FCC RF Test Report

APPLICANT	:	FUJITSU LIMITED
EQUIPMENT	:	LIFEBOOK T series
BRAND NAME	:	FUJITSU
MODEL NAME	:	T937
FCC ID	:	EJE-WB0101
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

This is a partial report which is included the RF conducted power and radiated emission test items. The product was received on Oct. 14, 2016 and testing was completed on Dec. 19, 2016. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR6O1408E	Rev. 01	Initial issue of report	Dec. 08, 2016
FR6O1408E	Rev. 02	Adding conducted emission data and describe the use of Low power SKU in appendix A.	Dec. 19, 2016

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.407(a)	Maximum Conducted Output Power	≤ 30 dBm	Pass	-
3.2	15.407(b)	Unwanted Emissions	15.407(b)(4)(i) &15.209(a)	Pass	Under limit 1.47 dB at 407.986 MHz for Quasi-Peak
3.3	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 14.00 dB at 0.190 MHz
3.4	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.5	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

FUJITSU LIMITED

1-1, Kamikonadaka 4-chome, Nakahara-ku, Kawasaki, 211-8588 Japan

1.2 Manufacturer

FUJITSU LIMITED

1-1, Kamikonadaka 4-chome, Nakahara-ku, Kawasaki, 211-8588 Japan

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	LIFEBOOK T series
Brand Name	FUJITSU
Model Name	T937
FCC ID	EJE-WB0101
Integrated the WLAN Module	Brand Name: Intel Model Name: 8265NGW FCC ID: PD98265NG, PD98265NGU
EUT supports Radios application	WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Pre-Production Unit

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>Tx/Rx Channel Frequency Range</td><td>5745 MHz ~ 5825 MHz</td></tr>
<tr><td>Maximum Output Power</td><td><5745 MHz ~ 5825 MHz>
<Ant. 1>
802.11a : 13.37 dBm / 0.0217 W
802.11n HT20 : 13.45 dBm / 0.0221 W
802.11n HT40 : 13.49 dBm / 0.0223 W
802.11ac VHT20: 13.41 dBm / 0.0219 W
802.11ac VHT40: 13.48 dBm / 0.0223 W
802.11ac VHT80: 13.41 dBm / 0.0219 W
<Ant. 2>
802.11a : 13.28 dBm / 0.0213 W
802.11n HT20 : 13.37 dBm / 0.0217 W
802.11n HT40 : 13.48 dBm / 0.0223 W
802.11ac VHT20: 13.32 dBm / 0.0215 W
802.11ac VHT40: 13.45 dBm / 0.0221 W
802.11ac VHT80: 13.36 dBm / 0.0217 W
MIMO <Ant. 1 + 2>
802.11n HT20 : 16.37 dBm / 0.0434 W
802.11n HT40 : 16.45 dBm / 0.0442 W
802.11ac VHT20: 16.33 dBm / 0.0430 W
802.11ac VHT40: 16.24 dBm / 0.0421 W
802.11ac VHT80: 16.29 dBm / 0.0426 W</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)</td></tr>
<tr><td>Antenna Type / Gain</td><td><Ant. 1> : PIFA Antenna with gain 2.08 dBi
<Ant. 2> : PIFA Antenna with gain -0.83 dBi</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 1</th><th>Ant. 2</th></tr>
<tr><td>802.11 a/n/ac</td><td>V</td><td>V</td></tr>
<tr><td>802.11 n/ac MIMO</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

Note: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

1.5 Modification of EUT

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

1.6 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 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. 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.**
	03CH13-HY

Note: The test site complies with ANSI C63.4 2009 requirement.

1.7 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 v01r03
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
- ANSI C63.10-2013

Remark: 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

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: conducted emission (150 kHz to 30 MHz) and radiated 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 (X plane) were recorded in this report.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Note:

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

2.2 Test Mode

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

Single Antenna

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

MIMO Antenna

Modulation	Data Rate
802.11n HT20	MCS8
802.11n HT40	MCS8
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 :WLAN (5GHz) Link + Bluetooth Link + TC + TF

Remark:

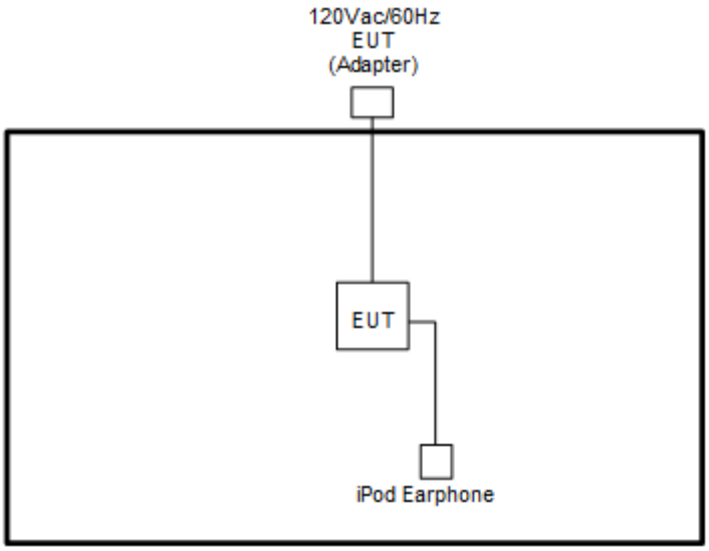
1. TC stands for Test Configuration, and consists of Adapter, USB HD, SD Card, Smart Card (Load), Earphone, D-sub and HDMI Cable.
2. TF stands for Test Configuration, and consists of MPEG4, Camera, and H Pattern.
3. HDMI Cable means media application transferred between EUT and external display.

Ch. #		Band IV：5725-5850 MHz		
		802.11a	802.11n HT20	802.11n HT40
L	Low	149	149	151
M	Middle	157	157	-
H	High	165	165	159

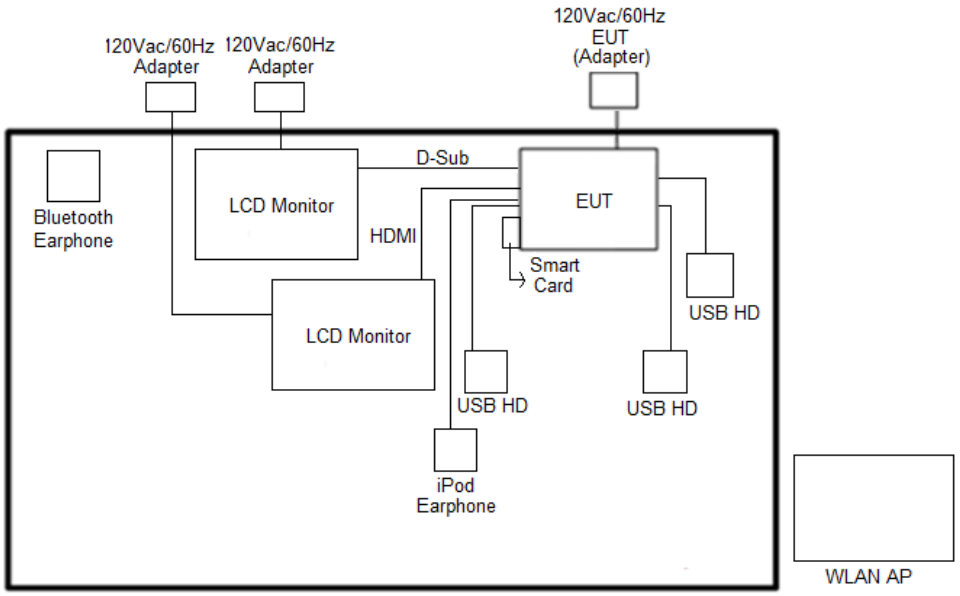
Ch. #		Band IV：5725-5850 MHz		
		802.11ac VHT20	802.11ac VHT40	802.11ac VHT80
L	Low	149	151	-
M	Middle	157	-	155
H	High	165	159	-

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
4.	LCD Monitor	DELL	U2410	FCC DoC	Shielded, 1.6 m	Unshielded, 1.8 m
5.	USB HD	PQI	H568V	FCC DoC	Shielded, 0.5 m	N/A
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
7.	Smart Card	N/A	N/A	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The programmed RF utility"DRTU.exe", is installed in EUT to provide channel selection, power level, data rate and the application type. RF Utility can send transmitting signal for all testing. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

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 Maximum Conducted Output Power Measurement

3.1.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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.

3.1.2 Measuring Instruments

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

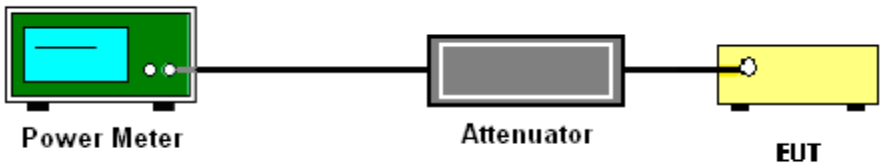
3.1.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03.

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

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

3.1.4 Test Setup



3.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.2 Unwanted Emissions Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part15.205.

3.2.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(2) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,

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

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

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

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

(3) KDB 789033 D02 General UNII Test Procedures New Rules v01r03 G)2)c) As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03. 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

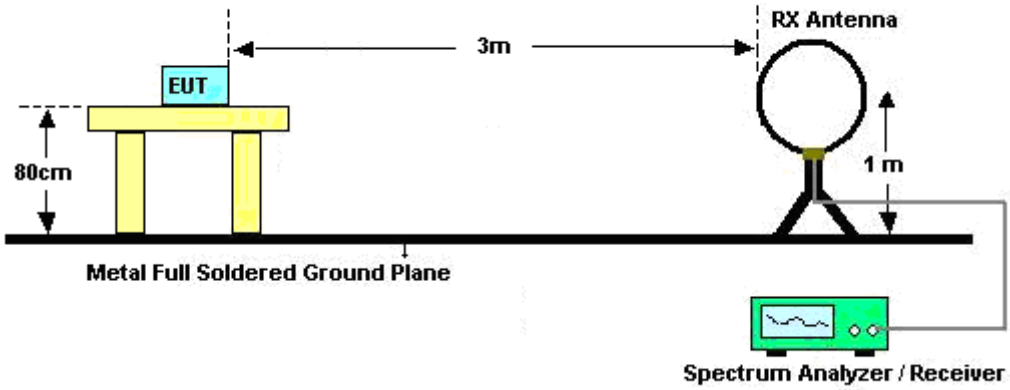
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - 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.

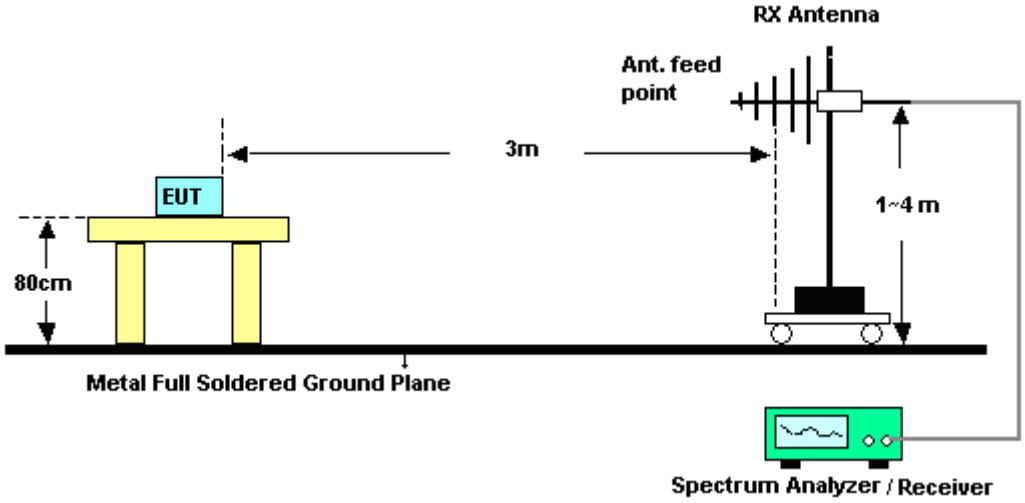
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.2.4 Test Setup

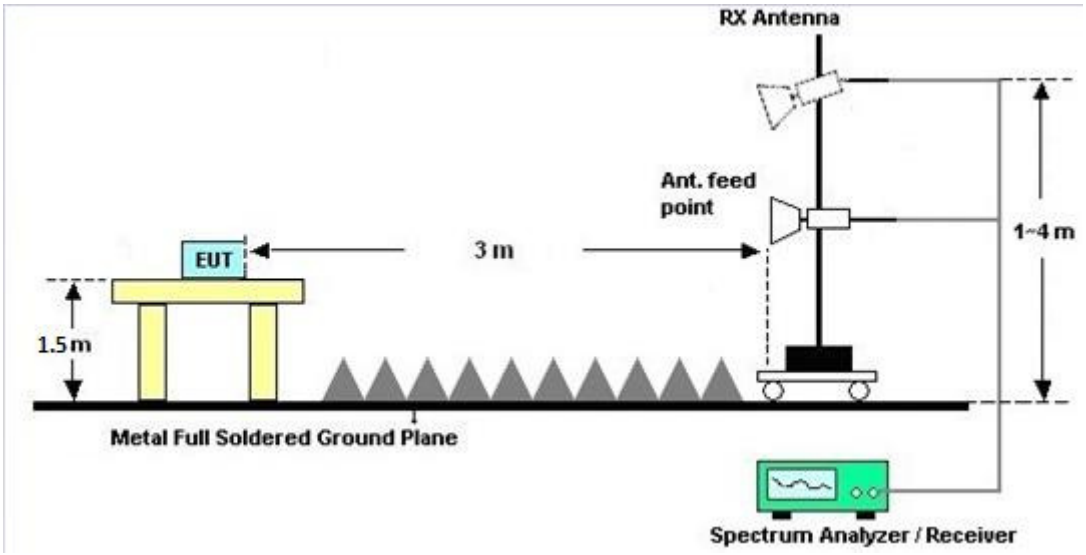
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

3.2.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.2.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.

3.3 AC Conducted Emission Measurement

3.3.1 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.

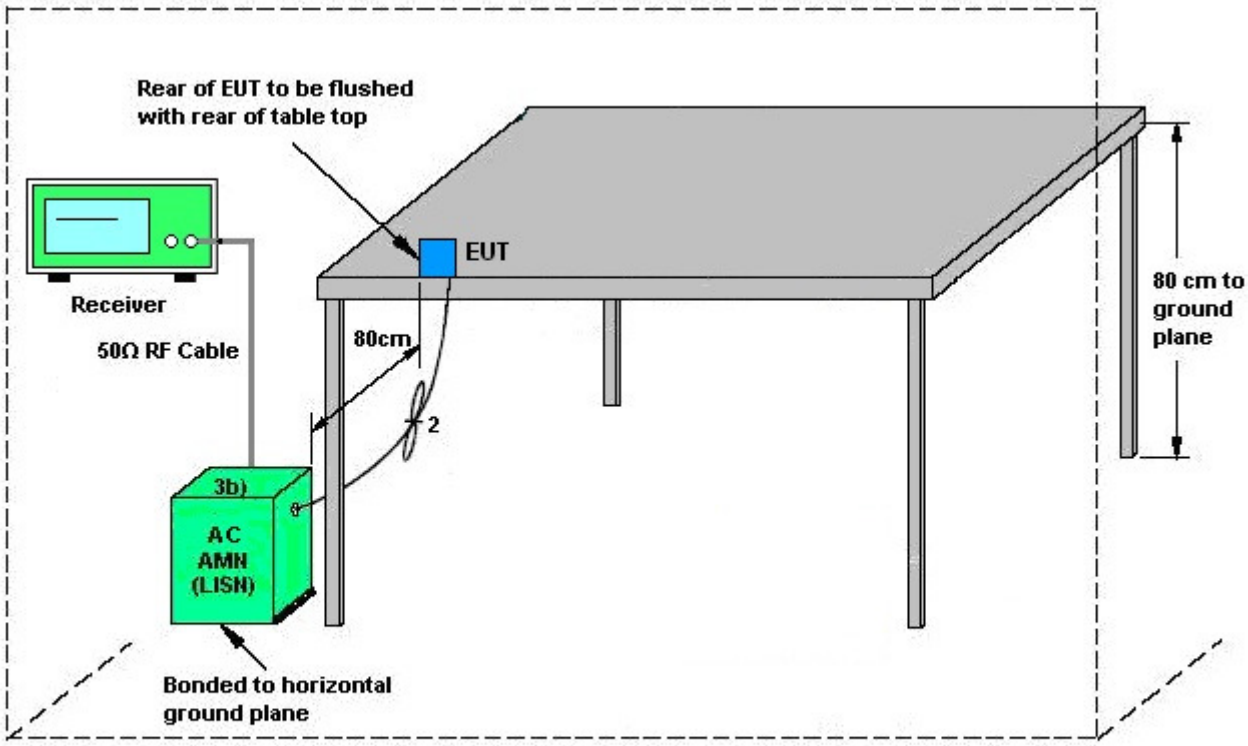
3.3.1 Measuring Instruments

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

3.3.2 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.

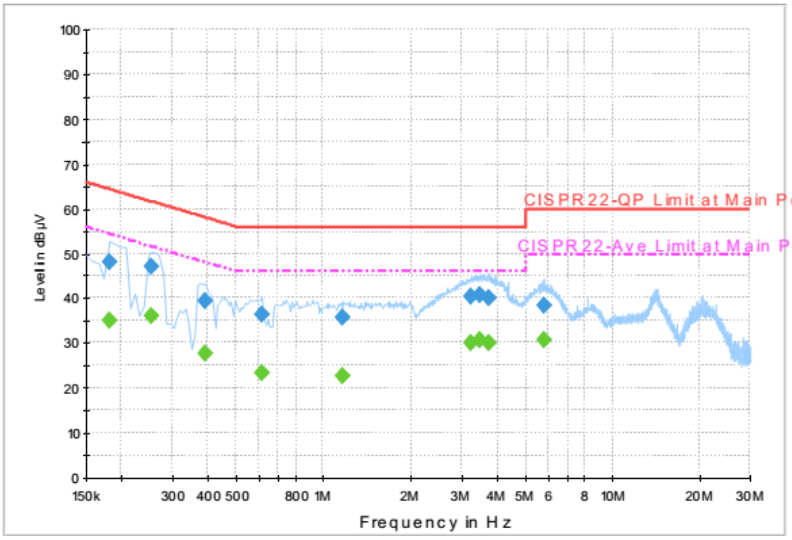
3.3.3 Test Setup



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

3.3.4 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	23~24℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	48~49%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WLAN (5GHz) Link + Bluetooth Link + TC + TF		



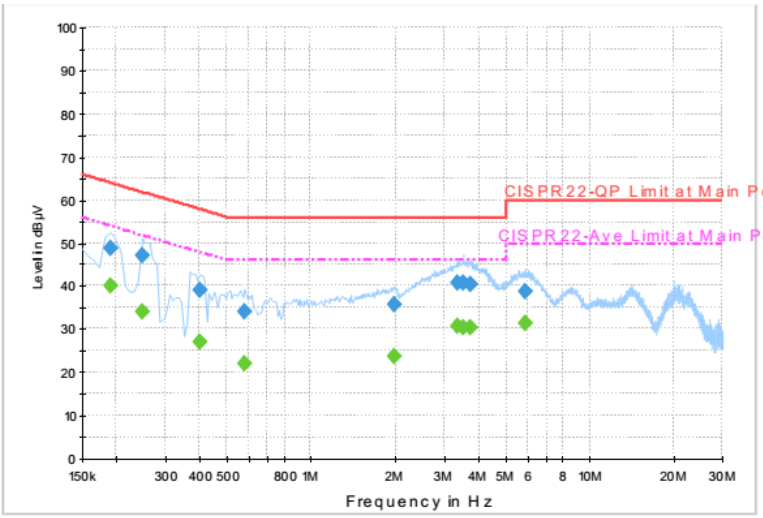
Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.182000	48.3	Off	L1	19.6	16.1	64.4
0.254000	47.2	Off	L1	19.6	14.4	61.6
0.390000	39.4	Off	L1	19.6	18.7	58.1
0.614000	36.6	Off	L1	19.5	19.4	56.0
1.166000	35.9	Off	L1	19.6	20.1	56.0
3.238000	40.4	Off	L1	19.5	15.6	56.0
3.494000	40.7	Off	L1	19.6	15.3	56.0
3.742000	40.2	Off	L1	19.6	15.8	56.0
5.782000	38.3	Off	L1	19.7	21.7	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.182000	35.0	Off	L1	19.6	19.4	54.4
0.254000	36.0	Off	L1	19.6	15.6	51.6
0.390000	27.6	Off	L1	19.6	20.5	48.1
0.614000	23.4	Off	L1	19.5	22.6	46.0
1.166000	22.9	Off	L1	19.6	23.1	46.0
3.238000	30.0	Off	L1	19.5	16.0	46.0
3.494000	30.7	Off	L1	19.6	15.3	46.0
3.742000	30.1	Off	L1	19.6	15.9	46.0
5.782000	30.7	Off	L1	19.7	19.3	50.0

Test Mode :	Mode 1	Temperature :	23~24℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	48~49%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN (5GHz) Link + Bluetooth Link + TC + TF		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.190000	49.0	Off	N	19.5	15.0	64.0
0.246000	47.3	Off	N	19.5	14.6	61.9
0.398000	39.0	Off	N	19.5	18.9	57.9
0.574000	34.0	Off	N	19.5	22.0	56.0
1.982000	35.8	Off	N	19.6	20.2	56.0
3.358000	40.8	Off	N	19.5	15.2	56.0
3.510000	40.7	Off	N	19.6	15.3	56.0
3.742000	40.5	Off	N	19.6	15.5	56.0
5.886000	38.7	Off	N	19.7	21.3	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.190000	40.0	Off	N	19.5	14.0	54.0
0.246000	34.3	Off	N	19.5	17.6	51.9
0.398000	26.9	Off	N	19.5	21.0	47.9
0.574000	21.9	Off	N	19.5	24.1	46.0
1.982000	23.8	Off	N	19.6	22.2	46.0
3.358000	30.8	Off	N	19.5	15.2	46.0
3.510000	30.3	Off	N	19.6	15.7	46.0
3.742000	30.4	Off	N	19.6	15.6	46.0
5.886000	31.4	Off	N	19.7	18.6	50.0

3.4 Automatically Discontinue Transmission

3.4.1 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.

3.4.2 Measuring Instruments

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

3.4.3 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.

3.5 Antenna Requirements

3.5.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,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.

3.5.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.5.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

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

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

The directional gain “DG” is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 1	Ant 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	2.08	-0.83	2.08	2.08	0.00	0.00

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

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

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	300MHz~40GHz	Sep. 29, 2016	Nov. 02, 2016 ~ Nov. 17, 2016	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Nov. 02, 2016 ~ Nov. 17, 2016	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 23, 2015	Nov. 02, 2016 ~ Nov. 17, 2016	Nov. 22, 2016	Conducted (TH05-HY)
Preamplifier	MITEQ	TTA0204	1872107	2GHz~40GHz	Feb. 15, 2016	Nov. 08, 2016 ~ Nov. 27, 2016	Feb. 14, 2017	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	Apr. 15, 2016	Nov. 08, 2016 ~ Nov. 27, 2016	Apr. 14, 2017	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 31, 2015	Nov. 08, 2016 ~ Nov. 27, 2016	Dec. 30, 2016	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800N1D01N-06	40103&04	30MHz to 1GHz	Jan. 13, 2016	Nov. 08, 2016 ~ Nov. 27, 2016	Jan. 12, 2017	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	N/A	Mar. 10, 2016	Nov. 08, 2016 ~ Nov. 27, 2016	Mar. 09, 2017	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Apr. 25, 2016	Nov. 08, 2016 ~ Nov. 27, 2016	Apr. 24, 2017	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Jan. 30, 2016	Nov. 08, 2016 ~ Nov. 27, 2016	Jan. 29, 2017	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	N/A	Mar. 14, 2016	Nov. 08, 2016 ~ Nov. 27, 2016	Mar. 13, 2017	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 08, 2016 ~ Nov. 27, 2016	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 08, 2016 ~ Nov. 27, 2016	N/A	Radiation (03CH13-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 19, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Dec. 19, 2016	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Dec. 19, 2016	Nov. 28, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 06, 2016	Dec. 19, 2016	Dec. 05, 2017	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.9**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.4**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.3**

Appendix A. Conducted Test Results

The host integrated a 8265NGW module, FCC ID: PD98265NG, which has 2 SKUs. The original power SKU is certified by certification body and the data was performed in the original test report. The second one is low power SKU which also has the same FCC ID, and the result of power table performed below is measuring with the host integrated with the low power SKU module.

Test Engineer:	Aking Chang	Temperature:	21~25	°C
Test Date:	2016/11/02~2016/11/17	Relative Humidity:	51~54	%

Report Number : FR6O1408E

TEST RESULTS DATA
Average Power Table

Band IV														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	149	5745	0.25	0.29	13.37	13.28		30.00	30.00	2.08	-0.83		Pass
11a	6Mbps	1	157	5785	0.25	0.29	13.32	13.24		30.00	30.00	2.08	-0.83		Pass
11a	6Mbps	1	165	5825	0.25	0.29	13.27	13.16		30.00	30.00	2.08	-0.83		Pass
HT20	MCS0	1	149	5745	0.22	0.22	13.35	13.34		30.00	30.00	2.08	-0.83		Pass
HT20	MCS0	1	157	5785	0.22	0.22	13.41	13.34		30.00	30.00	2.08	-0.83		Pass
HT20	MCS0	1	165	5825	0.22	0.22	13.45	13.37		30.00	30.00	2.08	-0.83		Pass
HT40	MCS0	1	151	5755	0.07	0.07	13.49	13.48		30.00	30.00	2.08	-0.83		Pass
HT40	MCS0	1	159	5795	0.07	0.07	13.47	13.41		30.00	30.00	2.08	-0.83		Pass
VHT80	MCS0	1	155	5775	0.14	0.14	13.41	13.36		30.00	30.00	2.08	-0.83		Pass
HT20	MCS8	2	149	5745	0.77	0.77	13.38	13.35	16.37	30.00		2.08			Pass
HT20	MCS8	2	157	5785	0.77	0.77	13.34	13.29	16.32	30.00		2.08			Pass
HT20	MCS8	2	165	5825	0.77	0.77	13.36	13.27	16.33	30.00		2.08			Pass
HT40	MCS8	2	151	5755	0.81	0.90	13.52	13.36	16.45	30.00		2.08			Pass
HT40	MCS8	2	159	5795	0.81	0.90	13.61	13.23	16.43	30.00		2.08			Pass
VHT80	MCS0	2	155	5775	0.86	0.93	13.38	13.19	16.29	30.00		2.08			Pass

Appendix B. Radiated Spurious Emission

Test Engineer :	Bill Chang, Wilson Wu and Alex Jeng	**Temperature :**	25~26°C
		Relative Humidity :	40~42%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		5617.2	51.64	-16.56	68.2	39.65	32.07	10.92	31	308	0	P	H
		5699.2	52.97	-51.64	104.61	40.81	32.17	11.02	31.03	308	0	P	H
		5719.6	55.71	-54.98	110.69	43.47	32.21	11.07	31.04	308	0	P	H
		5724.8	56.27	-65.47	121.74	44.03	32.21	11.07	31.04	308	0	P	H
	*	5745	103.96	-	-	91.67	32.24	11.1	31.05	308	0	P	H
	*	5745	96.48	-	-	84.19	32.24	11.1	31.05	308	0	A	H
													H
													H
		5607.2	51.46	-16.74	68.2	39.53	32.04	10.89	31	400	193	P	V
		5663.4	50.95	-27.2	78.15	38.88	32.12	10.97	31.02	400	193	P	V
		5718.6	50.65	-59.76	110.41	38.41	32.21	11.07	31.04	400	193	P	V
		5722	52.79	-62.57	115.36	40.55	32.21	11.07	31.04	400	193	P	V
	*	5745	99.54	-	-	87.25	32.24	11.1	31.05	400	193	P	V
	*	5745	92.1	-	-	79.81	32.24	11.1	31.05	400	193	A	V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5601	51.67	-16.53	68.2	39.72	32.04	10.89	30.98	354	0	P	H
		5669.2	50.87	-31.58	82.45	38.75	32.14	11	31.02	354	0	P	H
		5718.2	52.24	-58.06	110.3	40	32.21	11.07	31.04	354	0	P	H
		5723	50.65	-66.99	117.64	38.41	32.21	11.07	31.04	354	0	P	H
	*	5785	103.47	-	-	91.1	32.29	11.15	31.07	354	0	P	H
	*	5785	96.26	-	-	83.89	32.29	11.15	31.07	354	0	A	H
		5855	51.41	-59.39	110.8	38.79	32.41	11.3	31.09	354	0	P	H
		5872.8	52.16	-53.66	105.82	39.5	32.43	11.33	31.1	354	0	P	H
		5908.8	51.76	-28.39	80.15	39.03	32.48	11.38	31.13	354	0	P	H
		5948.2	51.23	-16.97	68.2	38.4	32.53	11.44	31.14	354	0	P	H
													H
802.11a CH 157 5785MHz													H
		5608.4	51.24	-16.96	68.2	39.31	32.04	10.89	31	399	209	P	V
		5670.2	51.27	-31.92	83.19	39.15	32.14	11	31.02	399	209	P	V
		5719	50.46	-60.06	110.52	38.22	32.21	11.07	31.04	399	209	P	V
		5721	49.49	-63.59	113.08	37.25	32.21	11.07	31.04	399	209	P	V
	*	5785	100.92	-	-	88.55	32.29	11.15	31.07	399	209	P	V
	*	5785	93.52	-	-	81.15	32.29	11.15	31.07	399	209	A	V
		5850.4	49.62	-71.67	121.29	37.06	32.38	11.27	31.09	399	209	P	V
		5857.6	52.3	-57.77	110.07	39.68	32.41	11.3	31.09	399	209	P	V
		5916.6	51.76	-22.63	74.39	39.03	32.48	11.38	31.13	399	209	P	V
		5926.2	51.49	-16.71	68.2	38.71	32.5	11.41	31.13	399	209	P	V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	103.19	-	-	90.67	32.36	11.24	31.08	315	0	P	H
	*	5825	96.04	-	-	83.52	32.36	11.24	31.08	315	0	A	H
		5851.4	51.64	-67.37	119.01	39.08	32.38	11.27	31.09	315	0	P	H
		5862.2	51.87	-56.91	108.78	39.26	32.41	11.3	31.1	315	0	P	H
		5882.4	51.91	-47.79	99.7	39.25	32.43	11.33	31.1	315	0	P	H
		5937.6	50.56	-17.64	68.2	37.79	32.5	11.41	31.14	315	0	P	H
													H
802.11a													H
CH 165	*	5825	100.46	-	-	87.94	32.36	11.24	31.08	355	207	P	V
5825MHz	*	5825	93	-	-	80.48	32.36	11.24	31.08	355	207	A	V
		5850	50.04	-72.16	122.2	37.48	32.38	11.27	31.09	355	207	P	V
		5865.2	50.48	-57.46	107.94	37.87	32.41	11.3	31.1	355	207	P	V
		5893.6	51.57	-39.83	91.4	38.88	32.46	11.35	31.12	355	207	P	V
		5942.6	51.28	-16.92	68.2	38.45	32.53	11.44	31.14	355	207	P	V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	40.16	-33.84	74	35.86	40.3	15.2	51.2	100	0	P	H
		17232	42.86	-25.34	68.2	34.4	41.09	19.52	52.15	100	0	P	H
													H
													H
		11490	40.04	-33.96	74	35.74	40.3	15.2	51.2	100	0	P	V
		17232	42.81	-25.39	68.2	34.35	41.09	19.52	52.15	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	40.59	-33.41	74	36.45	40.12	15.22	51.2	100	0	P	H
		17355	42.76	-25.44	68.2	33.78	41.53	19.62	52.17	100	0	P	H
													H
													H
		11570	38.58	-35.42	74	34.44	40.12	15.22	51.2	100	0	P	V
		17355	41.95	-26.25	68.2	32.97	41.53	19.62	52.17	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	39.68	-34.32	74	35.71	39.94	15.23	51.2	100	0	P	H
		17472	42.24	-25.96	68.2	32.75	41.97	19.71	52.19	100	0	P	H
													H
													H
		11650	39.07	-34.93	74	35.1	39.94	15.23	51.2	100	0	P	V
		17472	42.07	-26.13	68.2	32.58	41.97	19.71	52.19	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5642	50.75	-17.45	68.2	38.73	32.09	10.94	31.01	307	0	P	H
		5691.2	52.06	-46.65	98.71	39.9	32.17	11.02	31.03	307	0	P	H
		5719.4	54.46	-56.17	110.63	42.22	32.21	11.07	31.04	307	0	P	H
		5724	56.31	-63.61	119.92	44.07	32.21	11.07	31.04	307	0	P	H
	*	5745	103.59	-	-	91.3	32.24	11.1	31.05	307	0	P	H
	*	5745	96.45	-	-	84.16	32.24	11.1	31.05	307	0	A	H
802.11n													H
HT20													H
CH 149		5620	50.31	-17.89	68.2	38.32	32.07	10.92	31	386	208	P	V
5745MHz		5695	50.23	-51.28	101.51	38.07	32.17	11.02	31.03	386	208	P	V
		5715	51.38	-58.02	109.4	39.18	32.19	11.05	31.04	386	208	P	V
		5724.6	53.56	-67.73	121.29	41.32	32.21	11.07	31.04	386	208	P	V
	*	5745	101.73	-	-	89.44	32.24	11.1	31.05	386	208	P	V
	*	5745	94.57	-	-	82.28	32.24	11.1	31.05	386	208	A	V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5633.8	50.86	-17.34	68.2	38.84	32.09	10.94	31.01	302	0	P	H
		5672.8	51.21	-33.9	85.11	39.09	32.14	11	31.02	302	0	P	H
		5706.2	51.06	-55.88	106.94	38.86	32.19	11.05	31.04	302	0	P	H
		5720.2	51.08	-60.18	111.26	38.84	32.21	11.07	31.04	302	0	P	H
	*	5785	103.19	-	-	90.82	32.29	11.15	31.07	302	0	P	H
	*	5785	96.04	-	-	83.67	32.29	11.15	31.07	302	0	A	H
		5854	50.57	-62.51	113.08	37.95	32.41	11.3	31.09	302	0	P	H
		5857.2	51.37	-58.81	110.18	38.75	32.41	11.3	31.09	302	0	P	H
		5889.8	52.9	-41.32	94.22	40.21	32.46	11.35	31.12	302	0	P	H
		5941.6	50.67	-17.53	68.2	37.84	32.53	11.44	31.14	302	0	P	H
802.11n													H
HT20													H
CH 157		5615.4	50.47	-17.73	68.2	38.54	32.04	10.89	31	346	217	P	V
5785MHz		5662.4	50.91	-26.5	77.41	38.84	32.12	10.97	31.02	346	217	P	V
		5718.6	50.19	-60.22	110.41	37.95	32.21	11.07	31.04	346	217	P	V
		5724	49.67	-70.25	119.92	37.43	32.21	11.07	31.04	346	217	P	V
	*	5785	101.65	-	-	89.28	32.29	11.15	31.07	346	217	P	V
	*	5785	99.47	-	-	87.1	32.29	11.15	31.07	346	217	A	V
		5853.6	50.72	-63.27	113.99	38.1	32.41	11.3	31.09	346	217	P	V
		5868.2	51.87	-55.23	107.1	39.26	32.41	11.3	31.1	346	217	P	V
		5900.4	51.65	-34.71	86.36	38.96	32.46	11.35	31.12	346	217	P	V
		5934.6	51.25	-16.95	68.2	38.48	32.5	11.41	31.14	346	217	P	V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	103.28	-	-	90.76	32.36	11.24	31.08	315	0	P	H
	*	5825	96.01	-	-	83.49	32.36	11.24	31.08	315	0	A	H
		5850.6	51.09	-69.74	120.83	38.53	32.38	11.27	31.09	315	0	P	H
		5862.6	51.52	-57.15	108.67	38.91	32.41	11.3	31.1	315	0	P	H
		5881	51.3	-49.44	100.74	38.64	32.43	11.33	31.1	315	0	P	H
		5934.2	51.39	-16.81	68.2	38.61	32.5	11.41	31.13	315	0	P	H
802.11n													H
HT20													H
CH 165	*	5825	100.2	-	-	87.68	32.36	11.24	31.08	326	217	P	V
5825MHz	*	5825	93.16	-	-	80.64	32.36	11.24	31.08	326	217	A	V
		5850.8	50.94	-69.44	120.38	38.38	32.38	11.27	31.09	326	217	P	V
		5859.4	51.65	-57.92	109.57	39.04	32.41	11.3	31.1	326	217	P	V
		5912.2	52.24	-25.4	77.64	39.51	32.48	11.38	31.13	326	217	P	V
		5931	52.26	-15.94	68.2	39.48	32.5	11.41	31.13	326	217	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	39.67	-34.33	74	35.37	40.3	15.2	51.2	100	0	P	H
		17235	42.71	-25.49	68.2	34.25	41.09	19.52	52.15	100	0	P	H
802.11n													H
HT20													H
CH 149		11490	39.28	-34.72	74	34.98	40.3	15.2	51.2	100	0	P	V
5745MHz		17235	41.22	-26.98	68.2	32.76	41.09	19.52	52.15	100	0	P	V
													V
													V
		11570	39.69	-34.31	74	35.55	40.12	15.22	51.2	100	0	P	H
		17355	43.14	-25.06	68.2	34.16	41.53	19.62	52.17	100	0	P	H
802.11n													H
HT20													H
CH 157		11570	39.13	-34.87	74	34.99	40.12	15.22	51.2	100	0	P	V
5785MHz		17355	42.24	-25.96	68.2	33.26	41.53	19.62	52.17	100	0	P	V
													V
													V
		11650	39.97	-34.03	74	36	39.94	15.23	51.2	100	0	P	H
		17475	43.4	-24.8	68.2	33.91	41.97	19.71	52.19	100	0	P	H
802.11n													H
HT20													H
CH 165		11650	39.37	-34.63	74	35.4	39.94	15.23	51.2	100	0	P	V
5825MHz		17475	42.56	-25.64	68.2	33.07	41.97	19.71	52.19	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5645.2	51.58	-16.62	68.2	39.56	32.09	10.94	31.01	336	0	P	H
		5699.8	52.35	-52.7	105.05	40.19	32.17	11.02	31.03	336	0	P	H
		5715.4	56.11	-53.4	109.51	43.91	32.19	11.05	31.04	336	0	P	H
		5722	57	-58.36	115.36	44.76	32.21	11.07	31.04	336	0	P	H
	*	5755	100.84	-	-	88.5	32.26	11.13	31.05	336	0	P	H
	*	5755	92.31	-	-	79.97	32.26	11.13	31.05	336	0	A	H
		5852.8	50.75	-65.07	115.82	38.19	32.38	11.27	31.09	336	0	P	H
		5862.6	51.16	-57.51	108.67	38.55	32.41	11.3	31.1	336	0	P	H
		5902.2	52.14	-32.89	85.03	39.45	32.46	11.35	31.12	336	0	P	H
		5942.2	50.78	-17.42	68.2	37.95	32.53	11.44	31.14	336	0	P	H
802.11n													H
HT40													H
CH 151		5625.2	51.71	-16.49	68.2	39.72	32.07	10.92	31	241	196	P	V
5755MHz		5699.4	52.13	-52.63	104.76	39.97	32.17	11.02	31.03	241	196	P	V
		5716.8	53.42	-56.49	109.91	41.22	32.19	11.05	31.04	241	196	P	V
		5723.6	54.46	-64.55	119.01	42.22	32.21	11.07	31.04	241	196	P	V
	*	5755	97.7	-	-	85.36	32.26	11.13	31.05	241	196	P	V
	*	5755	89.14	-	-	76.8	32.26	11.13	31.05	241	196	A	V
		5851.2	51.66	-67.8	119.46	39.1	32.38	11.27	31.09	241	196	P	V
		5867.6	51.75	-55.52	107.27	39.14	32.41	11.3	31.1	241	196	P	V
		5883.8	51.38	-47.29	98.67	38.74	32.43	11.33	31.12	241	196	P	V
		5938	51.96	-16.24	68.2	39.19	32.5	11.41	31.14	241	196	P	V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5631	50.49	-17.71	68.2	38.51	32.07	10.92	31.01	335	0	P	H
		5652.2	52.78	-17.06	69.84	40.7	32.12	10.97	31.01	335	0	P	H
		5701.2	51.25	-54.29	105.54	39.04	32.19	11.05	31.03	335	0	P	H
		5720.8	50.56	-62.06	112.62	38.32	32.21	11.07	31.04	335	0	P	H
	*	5795	100.47	-	-	88.05	32.31	11.18	31.07	335	0	P	H
	*	5795	91.8	-	-	79.38	32.31	11.18	31.07	335	0	A	H
		5852.6	52.34	-63.93	116.27	39.78	32.38	11.27	31.09	335	0	P	H
		5856.4	50.82	-59.59	110.41	38.2	32.41	11.3	31.09	335	0	P	H
		5892	51.38	-41.2	92.58	38.69	32.46	11.35	31.12	335	0	P	H
		5934.6	52.4	-15.8	68.2	39.63	32.5	11.41	31.14	335	0	P	H
802.11n													H
HT40													H
CH 159		5619	50.78	-17.42	68.2	38.79	32.07	10.92	31	265	196	P	V
5795MHz		5665.4	50.29	-29.34	79.63	38.22	32.12	10.97	31.02	265	196	P	V
		5700.4	50.68	-54.63	105.31	38.52	32.17	11.02	31.03	265	196	P	V
		5724.4	49.24	-71.59	120.83	37	32.21	11.07	31.04	265	196	P	V
	*	5795	97.27	-	-	84.85	32.31	11.18	31.07	265	196	P	V
	*	5795	89	-	-	76.58	32.31	11.18	31.07	265	196	A	V
		5851.6	51.65	-66.9	118.55	39.09	32.38	11.27	31.09	265	196	P	V
		5864	51.7	-56.58	108.28	39.09	32.41	11.3	31.1	265	196	P	V
		5898.8	51.49	-36.06	87.55	38.8	32.46	11.35	31.12	265	196	P	V
		5928	51.02	-17.18	68.2	38.24	32.5	11.41	31.13	265	196	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	40.33	-33.67	74	36.02	40.3	15.21	51.2	100	0	P	H
		17265	40.73	-27.47	68.2	32.12	41.21	19.55	52.15	100	0	P	H
802.11n													H
HT40													H
CH 151		11510	38.86	-35.14	74	34.55	40.3	15.21	51.2	100	0	P	V
5755MHz		17265	41.6	-26.6	68.2	32.99	41.21	19.55	52.15	100	0	P	V
													V
													V
		11590	38.79	-35.21	74	34.69	40.08	15.22	51.2	100	0	P	H
		17385	42.59	-25.61	68.2	33.47	41.66	19.64	52.18	100	0	P	H
802.11n													H
HT40													H
CH 159		11590	38.7	-35.3	74	34.6	40.08	15.22	51.2	100	0	P	V
5795MHz		17385	41.47	-26.73	68.2	32.35	41.66	19.64	52.18	100	0	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5640.8	51.32	-16.88	68.2	39.3	32.09	10.94	31.01	336	0	P	H
		5696.8	54.58	-48.26	102.84	42.42	32.17	11.02	31.03	336	0	P	H
		5718.6	58.24	-52.17	110.41	46	32.21	11.07	31.04	336	0	P	H
		5722.8	56.8	-60.38	117.18	44.56	32.21	11.07	31.04	336	0	P	H
	*	5775	98.25	-	-	85.87	32.29	11.15	31.06	336	0	P	H
	*	5775	90.26	-	-	77.88	32.29	11.15	31.06	336	0	A	H
		5850.8	56.26	-64.12	120.38	43.7	32.38	11.27	31.09	336	0	P	H
		5856.4	55.37	-55.04	110.41	42.75	32.41	11.3	31.09	336	0	P	H
		5906.6	51.94	-29.84	81.78	39.2	32.48	11.38	31.12	336	0	P	H
		5935.2	50.46	-17.74	68.2	37.69	32.5	11.41	31.14	336	0	P	H
802.11ac													H
VHT80													H
CH 155		5640.6	50.41	-17.79	68.2	38.39	32.09	10.94	31.01	397	206	P	V
5775MHz		5686.6	53.2	-42.12	95.32	41.04	32.17	11.02	31.03	397	206	P	V
		5702.6	53.44	-52.49	105.93	41.23	32.19	11.05	31.03	397	206	P	V
		5720.6	52.38	-59.79	112.17	40.14	32.21	11.07	31.04	397	206	P	V
	*	5775	94.49	-	-	82.11	32.29	11.15	31.06	397	206	P	V
	*	5775	86.28	-	-	73.9	32.29	11.15	31.06	397	206	A	V
		5851.4	51.79	-67.22	119.01	39.23	32.38	11.27	31.09	397	206	P	V
		5868.8	51.94	-54.99	106.93	39.33	32.41	11.3	31.1	397	206	P	V
		5914	51.75	-24.56	76.31	39.02	32.48	11.38	31.13	397	206	P	V
		5935.8	52.46	-15.74	68.2	39.69	32.5	11.41	31.14	397	206	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	41.4	-32.6	74	37.22	40.17	15.21	51.2	100	0	P	H
		17325	43.42	-24.78	68.2	34.59	41.4	19.59	52.16	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	40.85	-33.15	74	36.67	40.17	15.21	51.2	100	0	P	V
5775MHz		17325	43.18	-25.02	68.2	34.35	41.4	19.59	52.16	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		79.14	23.97	-16.03	40	41.38	13.58	0.91	31.9	-	-	P	H
		122.34	28.81	-14.69	43.5	41.97	17.54	1.17	31.87	-	-	P	H
		222.78	36.04	-9.96	46	49.97	16.27	1.6	31.8	-	-	P	H
		360.2	42.81	-3.19	46	51.28	21.24	2.05	31.76	-	-	P	H
		456.1	43	-3	46	49.41	23.03	2.38	31.82	-	-	P	H
		531	35.63	-10.37	46	40.74	24.18	2.6	31.89	170	250	QP	H
		531	46.96	0.96	46	52.07	24.18	2.6	31.89	170	250	P	H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		43.23	30.35	-9.65	40	43.65	17.96	0.67	31.93	100	0	P	V
LF		131.79	27.07	-16.43	43.5	40	17.72	1.21	31.86	-	-	P	V
		216.03	29.47	-16.53	46	43.65	16.04	1.58	31.8	-	-	P	V
		360.2	34.14	-11.86	46	42.61	21.24	2.05	31.76	-	-	P	V
		456.1	36.2	-9.8	46	42.61	23.03	2.38	31.82	-	-	P	V
		600.3	35.53	-10.47	46	39.4	25.3	2.78	31.95	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.

Note symbol

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

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

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

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		5631.8	52.85	-15.35	68.2	40.87	32.07	10.92	31.01	100	63	P	H
		5654	52.69	-18.48	71.17	40.62	32.12	10.97	31.02	100	63	P	H
		5716.8	52.93	-56.98	109.91	40.73	32.19	11.05	31.04	100	63	P	H
		5724.8	53.7	-68.04	121.74	41.46	32.21	11.07	31.04	100	63	P	H
	*	5745	104.15	-	-	91.86	32.24	11.1	31.05	100	63	P	H
	*	5745	96.89	-	-	84.6	32.24	11.1	31.05	100	63	A	H
													H
													H
		5636.6	51.01	-17.19	68.2	38.99	32.09	10.94	31.01	314	94	P	V
		5696.8	51.6	-51.24	102.84	39.44	32.17	11.02	31.03	314	94	P	V
		5716.6	52.61	-57.24	109.85	40.41	32.19	11.05	31.04	314	94	P	V
		5723.2	52.5	-65.6	118.1	40.26	32.21	11.07	31.04	314	94	P	V
	*	5745	102.09	-	-	89.8	32.24	11.1	31.05	314	94	P	V
	*	5745	94.78	-	-	82.49	32.24	11.1	31.05	314	94	A	V
													V
													V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5627.8	51.86	-16.34	68.2	39.87	32.07	10.92	31	100	63	P	H
		5694.2	53.46	-47.46	100.92	41.3	32.17	11.02	31.03	100	63	P	H
		5716.4	51.56	-58.23	109.79	39.36	32.19	11.05	31.04	100	63	P	H
		5724.2	50.29	-70.09	120.38	38.05	32.21	11.07	31.04	100	63	P	H
	*	5785	104.07	-	-	91.7	32.29	11.15	31.07	100	63	P	H
	*	5785	96.71	-	-	84.34	32.29	11.15	31.07	100	63	A	H
		5852.2	50.15	-67.03	117.18	37.59	32.38	11.27	31.09	100	63	P	H
		5864.6	51.09	-57.02	108.11	38.48	32.41	11.3	31.1	100	63	P	H
		5920	52.12	-19.77	71.89	39.39	32.48	11.38	31.13	100	63	P	H
		5927.2	51.21	-16.99	68.2	38.43	32.5	11.41	31.13	100	63	P	H
													H
802.11a CH 157 5785MHz													H
		5644	51.85	-16.35	68.2	39.83	32.09	10.94	31.01	324	97	P	V
		5656.8	51.57	-21.68	73.25	39.5	32.12	10.97	31.02	324	97	P	V
		5716	50.66	-59.02	109.68	38.46	32.19	11.05	31.04	324	97	P	V
		5720.4	49.98	-61.73	111.71	37.74	32.21	11.07	31.04	324	97	P	V
	*	5785	102.01	-	-	89.64	32.29	11.15	31.07	324	97	P	V
	*	5785	94.77	-	-	82.4	32.29	11.15	31.07	324	97	A	V
		5854.6	49.1	-62.61	111.71	36.48	32.41	11.3	31.09	324	97	P	V
		5867	51.13	-56.31	107.44	38.52	32.41	11.3	31.1	324	97	P	V
		5914.8	52.21	-23.51	75.72	39.48	32.48	11.38	31.13	324	97	P	V
		5942.6	50.95	-17.25	68.2	38.12	32.53	11.44	31.14	324	97	P	V
													V
													V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	104.29	-	-	91.77	32.36	11.24	31.08	107	64	P	H
	*	5825	96.86	-	-	84.34	32.36	11.24	31.08	107	64	A	H
		5853	52.26	-63.1	115.36	39.7	32.38	11.27	31.09	107	64	P	H
		5857.8	53.06	-56.95	110.01	40.45	32.41	11.3	31.1	107	64	P	H
		5879	51.85	-50.38	102.23	39.19	32.43	11.33	31.1	107	64	P	H
		5939.2	51.72	-16.48	68.2	38.89	32.53	11.44	31.14	107	64	P	H
													H
802.11a													H
CH 165	*	5825	102.2	-	-	89.68	32.36	11.24	31.08	321	96	P	V
5825MHz	*	5825	94.93	-	-	82.41	32.36	11.24	31.08	321	96	A	V
		5854.4	51.65	-60.52	112.17	39.03	32.41	11.3	31.09	321	96	P	V
		5870	51.63	-54.97	106.6	39.02	32.41	11.3	31.1	321	96	P	V
		5879	51.48	-50.75	102.23	38.82	32.43	11.33	31.1	321	96	P	V
		5943	50.89	-17.31	68.2	38.06	32.53	11.44	31.14	321	96	P	V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	40.27	-33.73	74	35.97	40.3	15.2	51.2	100	0	P	H
		17235	42.81	-25.39	68.2	34.35	41.09	19.52	52.15	100	0	P	H
													H
													H
		11490	40.7	-33.3	74	36.4	40.3	15.2	51.2	100	0	P	V
		17235	43.31	-24.89	68.2	34.85	41.09	19.52	52.15	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	41.16	-32.84	74	37.02	40.12	15.22	51.2	100	0	P	H
		17355	42.54	-25.66	68.2	33.56	41.53	19.62	52.17	100	0	P	H
													H
													H
		11570	40.31	-33.69	74	36.17	40.12	15.22	51.2	100	0	P	V
		17355	43.17	-25.03	68.2	34.19	41.53	19.62	52.17	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	42.74	-31.26	74	38.77	39.94	15.23	51.2	100	0	P	H
		17475	43.75	-24.45	68.2	34.26	41.97	19.71	52.19	100	0	P	H
													H
													H
		11650	40.63	-33.37	74	36.66	39.94	15.23	51.2	100	0	P	V
		17475	42.75	-25.45	68.2	33.26	41.97	19.71	52.19	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5640.8	52.76	-15.44	68.2	40.74	32.09	10.94	31.01	103	65	P	H
		5690.2	52.77	-45.2	97.97	40.61	32.17	11.02	31.03	103	65	P	H
		5712	54.58	-53.98	108.56	42.38	32.19	11.05	31.04	103	65	P	H
		5724	55.67	-64.25	119.92	43.43	32.21	11.07	31.04	103	65	P	H
	*	5745	104.51	-	-	92.22	32.24	11.1	31.05	103	65	P	H
	*	5745	97.17	-	-	84.88	32.24	11.1	31.05	103	65	A	H
802.11n													H
HT20													H
CH 149		5621.4	51.33	-16.87	68.2	39.34	32.07	10.92	31	300	97	P	V
5745MHz		5680	51.57	-38.87	90.44	39.46	32.14	11	31.03	300	97	P	V
		5707.6	52.47	-54.86	107.33	40.27	32.19	11.05	31.04	300	97	P	V
		5723.6	54.22	-64.79	119.01	41.98	32.21	11.07	31.04	300	97	P	V
	*	5745	102.46	-	-	90.17	32.24	11.1	31.05	300	97	P	V
	*	5745	94.86	-	-	82.57	32.24	11.1	31.05	300	97	A	V
													V
													V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5632	52.6	-15.6	68.2	40.62	32.07	10.92	31.01	100	66	P	H
		5689	53.31	-43.78	97.09	41.15	32.17	11.02	31.03	100	66	P	H
		5717.4	52.32	-57.75	110.07	40.12	32.19	11.05	31.04	100	66	P	H
		5720.8	51.88	-60.74	112.62	39.64	32.21	11.07	31.04	100	66	P	H
	*	5785	104.25	-	-	91.88	32.29	11.15	31.07	100	66	P	H
	*	5785	96.95	-	-	84.58	32.29	11.15	31.07	100	66	A	H
		5852.6	50.25	-66.02	116.27	37.69	32.38	11.27	31.09	100	66	P	H
		5869.4	52.05	-54.72	106.77	39.44	32.41	11.3	31.1	100	66	P	H
		5896.2	51.86	-37.61	89.47	39.17	32.46	11.35	31.12	100	66	P	H
		5926.8	52.14	-16.06	68.2	39.36	32.5	11.41	31.13	100	66	P	H
802.11n													H
HT20													H
CH 157		5601.2	51.5	-16.7	68.2	39.55	32.04	10.89	30.98	309	96	P	V
5785MHz		5661.2	52.35	-24.17	76.52	40.28	32.12	10.97	31.02	309	96	P	V
		5708.6	50.86	-56.75	107.61	38.66	32.19	11.05	31.04	309	96	P	V
		5720.8	50.73	-61.89	112.62	38.49	32.21	11.07	31.04	309	96	P	V
	*	5785	102.64	-	-	90.27	32.29	11.15	31.07	309	96	P	V
	*	5785	95.28	-	-	82.91	32.29	11.15	31.07	309	96	A	V
		5855	52.11	-58.69	110.8	39.49	32.41	11.3	31.09	309	96	P	V
		5855.2	52.29	-58.45	110.74	39.67	32.41	11.3	31.09	309	96	P	V
		5898.2	52.28	-35.71	87.99	39.59	32.46	11.35	31.12	309	96	P	V
		5928.6	50.75	-17.45	68.2	37.97	32.5	11.41	31.13	309	96	P	V
													V
													V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	104.42	-	-	91.9	32.36	11.24	31.08	100	61	P	H
	*	5825	96.87	-	-	84.35	32.36	11.24	31.08	100	61	A	H
		5851.2	52.13	-67.33	119.46	39.57	32.38	11.27	31.09	100	61	P	H
		5863.6	52.08	-56.31	108.39	39.47	32.41	11.3	31.1	100	61	P	H
		5887.6	53.34	-42.51	95.85	40.65	32.46	11.35	31.12	100	61	P	H
		5943	51	-17.2	68.2	38.17	32.53	11.44	31.14	100	61	P	H
802.11n													H
HT20													H
CH 165	*	5825	102.54	-	-	90.02	32.36	11.24	31.08	319	96	P	V
5825MHz	*	5825	95.13	-	-	82.61	32.36	11.24	31.08	319	96	A	V
		5854.4	51.04	-61.13	112.17	38.42	32.41	11.3	31.09	319	96	P	V
		5868	52.96	-54.2	107.16	40.35	32.41	11.3	31.1	319	96	P	V
		5903.6	52.73	-31.27	84	40.04	32.46	11.35	31.12	319	96	P	V
		5926	51.35	-16.85	68.2	38.57	32.5	11.41	31.13	319	96	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	40.78	-33.22	74	36.48	40.3	15.2	51.2	100	0	P	H
		17235	41.72	-26.48	68.2	33.26	41.09	19.52	52.15	100	0	P	H
802.11n													H
HT20													H
CH 149		11490	39.96	-34.04	74	35.66	40.3	15.2	51.2	100	0	P	V
5745MHz		17235	42.29	-25.91	68.2	33.83	41.09	19.52	52.15	100	0	P	V
													V
													V
		11570	40.27	-33.73	74	36.13	40.12	15.22	51.2	100	0	P	H
		17355	42.71	-25.49	68.2	33.73	41.53	19.62	52.17	100	0	P	H
802.11n													H
HT20													H
CH 157		11570	40.51	-33.49	74	36.37	40.12	15.22	51.2	100	0	P	V
5785MHz		17355	43.03	-25.17	68.2	34.05	41.53	19.62	52.17	100	0	P	V
													V
													V
		11650	41.26	-32.74	74	37.29	39.94	15.23	51.2	100	0	P	H
		17475	43.68	-24.52	68.2	34.19	41.97	19.71	52.19	100	0	P	H
802.11n													H
HT20													H
CH 165		11650	40.21	-33.79	74	36.24	39.94	15.23	51.2	100	0	P	V
5825MHz		17475	42.72	-25.48	68.2	33.23	41.97	19.71	52.19	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5626.8	52.92	-15.28	68.2	40.93	32.07	10.92	31	100	65	P	H
		5673.2	52.96	-32.45	85.41	40.84	32.14	11	31.02	100	65	P	H
		5719.8	56.29	-54.45	110.74	44.05	32.21	11.07	31.04	100	65	P	H
		5723.8	57.92	-61.54	119.46	45.68	32.21	11.07	31.04	100	65	P	H
	*	5755	101.72	-	-	89.38	32.26	11.13	31.05	100	65	P	H
	*	5755	94.6	-	-	82.26	32.26	11.13	31.05	100	65	A	H
		5854.2	51.13	-61.49	112.62	38.51	32.41	11.3	31.09	100	65	P	H
		5871.2	51.84	-54.42	106.26	39.18	32.43	11.33	31.1	100	65	P	H
		5917	51.41	-22.69	74.1	38.68	32.48	11.38	31.13	100	65	P	H
		5948	51.55	-16.65	68.2	38.72	32.53	11.44	31.14	100	65	P	H
802.11n													H
HT40													H
CH 151		5633	51.31	-16.89	68.2	39.29	32.09	10.94	31.01	328	95	P	V
5755MHz		5663.6	52.02	-26.28	78.3	39.95	32.12	10.97	31.02	328	95	P	V
		5716.6	54.07	-55.78	109.85	41.87	32.19	11.05	31.04	328	95	P	V
		5721	55.35	-57.73	113.08	43.11	32.21	11.07	31.04	328	95	P	V
	*	5755	99.48	-	-	87.14	32.26	11.13	31.05	328	95	P	V
	*	5755	92.24	-	-	79.9	32.26	11.13	31.05	328	95	A	V
		5851.4	50.27	-68.74	119.01	37.71	32.38	11.27	31.09	328	95	P	V
		5867	50.2	-57.24	107.44	37.59	32.41	11.3	31.1	328	95	P	V
		5884.6	51.94	-46.13	98.07	39.3	32.43	11.33	31.12	328	95	P	V
		5927	51.19	-17.01	68.2	38.41	32.5	11.41	31.13	328	95	P	V
													V
													V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5644.2	52.44	-15.76	68.2	40.42	32.09	10.94	31.01	100	66	P	H
		5683.2	52.99	-39.81	92.8	40.88	32.14	11	31.03	100	66	P	H
		5704.6	53.19	-53.3	106.49	40.98	32.19	11.05	31.03	100	66	P	H
		5724.6	52.11	-69.18	121.29	39.87	32.21	11.07	31.04	100	66	P	H
	*	5795	102.01	-	-	89.59	32.31	11.18	31.07	100	66	P	H
	*	5795	94.46	-	-	82.04	32.31	11.18	31.07	100	66	A	H
		5850.4	50.62	-70.67	121.29	38.06	32.38	11.27	31.09	100	66	P	H
		5863.4	52.02	-56.43	108.45	39.41	32.41	11.3	31.1	100	66	P	H
		5888.6	52.32	-42.78	95.1	39.63	32.46	11.35	31.12	100	66	P	H
		5942.6	51.17	-17.03	68.2	38.34	32.53	11.44	31.14	100	66	P	H
802.11n													H
HT40													H
CH 159		5601.6	51.29	-16.91	68.2	39.34	32.04	10.89	30.98	295	97	P	V
5795MHz		5699.6	51.15	-53.76	104.91	38.99	32.17	11.02	31.03	295	97	P	V
		5708.8	53.9	-53.77	107.67	41.7	32.19	11.05	31.04	295	97	P	V
		5722.6	49.7	-67.03	116.73	37.46	32.21	11.07	31.04	295	97	P	V
	*	5795	100.81	-	-	88.39	32.31	11.18	31.07	295	97	P	V
	*	5795	92.65	-	-	80.23	32.31	11.18	31.07	295	97	A	V
		5853.6	50.36	-63.63	113.99	37.74	32.41	11.3	31.09	295	97	P	V
		5859.2	51.42	-58.2	109.62	38.81	32.41	11.3	31.1	295	97	P	V
		5913.4	50.75	-26.01	76.76	38.02	32.48	11.38	31.13	295	97	P	V
		5946.8	51.68	-16.52	68.2	38.85	32.53	11.44	31.14	295	97	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	40.3	-33.7	74	35.99	40.3	15.21	51.2	100	0	P	H
		17265	41.7	-26.5	68.2	33.09	41.21	19.55	52.15	100	0	P	H
802.11n													H
HT40													H
CH 151		11510	40.53	-33.47	74	36.22	40.3	15.21	51.2	100	0	P	V
5755MHz		17265	42.37	-25.83	68.2	33.76	41.21	19.55	52.15	100	0	P	V
													V
													V
		11590	40.28	-33.72	74	36.18	40.08	15.22	51.2	100	0	P	H
		17385	43.09	-25.11	68.2	33.97	41.66	19.64	52.18	100	0	P	H
802.11n													H
HT40													H
CH 159		11590	41.11	-32.89	74	37.01	40.08	15.22	51.2	100	0	P	V
5795MHz		17385	42.86	-25.34	68.2	33.74	41.66	19.64	52.18	100	0	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5642.6	51.98	-16.22	68.2	39.96	32.09	10.94	31.01	287	28	P	H
		5695.8	54.65	-47.45	102.1	42.49	32.17	11.02	31.03	287	28	P	H
		5712.2	58.65	-49.97	108.62	46.45	32.19	11.05	31.04	287	28	P	H
		5721.8	57.55	-57.35	114.9	45.31	32.21	11.07	31.04	287	28	P	H
	*	5775	98.91	-	-	86.53	32.29	11.15	31.06	287	28	P	H
	*	5775	91.79	-	-	79.41	32.29	11.15	31.06	287	28	A	H
		5850.2	56.36	-65.38	121.74	43.8	32.38	11.27	31.09	287	28	P	H
		5861	56.83	-52.29	109.12	44.22	32.41	11.3	31.1	287	28	P	H
		5880.6	52.54	-48.5	101.04	39.88	32.43	11.33	31.1	287	28	P	H
		5946.2	51.05	-17.15	68.2	38.22	32.53	11.44	31.14	287	28	P	H
802.11ac													H
VHT80													H
CH 155		5642.2	53.23	-14.97	68.2	41.21	32.09	10.94	31.01	311	96	P	V
5775MHz		5690.6	54.67	-43.6	98.27	42.51	32.17	11.02	31.03	311	96	P	V
		5713	55.36	-53.48	108.84	43.16	32.19	11.05	31.04	311	96	P	V
		5725	57.61	-64.59	122.2	45.37	32.21	11.07	31.04	311	96	P	V
	*	5775	97.68	-	-	85.3	32.29	11.15	31.06	311	96	P	V
	*	5775	90.75	-	-	78.37	32.29	11.15	31.06	311	96	A	V
		5851.4	54.64	-64.37	119.01	42.08	32.38	11.27	31.09	311	96	P	V
		5859.4	55.09	-54.48	109.57	42.48	32.41	11.3	31.1	311	96	P	V
		5877.2	51.92	-51.65	103.57	39.26	32.43	11.33	31.1	311	96	P	V
		5926	51.31	-16.89	68.2	38.53	32.5	11.41	31.13	311	96	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	41.68	-32.32	74	37.5	40.17	15.21	51.2	100	0	P	H
		17325	43.75	-24.45	68.2	34.92	41.4	19.59	52.16	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	41.2	-32.8	74	37.02	40.17	15.21	51.2	100	0	P	V
5775MHz		17325	43.43	-24.77	68.2	34.6	41.4	19.59	52.16	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		72.12	27.18	-12.82	40	45.56	12.64	0.89	31.91	-	-	P	H
		216.03	36.41	-9.59	46	50.59	16.04	1.58	31.8	-	-	P	H
		264.09	31.69	-14.31	46	42.16	19.56	1.74	31.77	-	-	P	H
		407.986	44.53	-1.47	46	51.73	22.32	2.25	31.77	100	120	QP	H
		407.986	47.5	1.5	46	54.7	22.32	2.25	31.77	100	120	P	H
		456.004	40.82	-5.18	46	47.23	23.03	2.38	31.82	100	123	QP	H
		456.004	43.09	-2.91	46	49.5	23.03	2.38	31.82	100	123	P	H
		503.7	42.48	-3.52	46	47.82	24.02	2.5	31.86	-	-	P	H
													H
													H
5GHz													H
802.11ac													H
VHT80		72.12	32.54	-7.46	40	50.92	12.64	0.89	31.91	-	-	P	V
LF		216.03	25.97	-20.03	46	40.15	16.04	1.58	31.8	-	-	P	V
		264.09	24.03	-21.97	46	34.5	19.56	1.74	31.77	-	-	P	V
		360.2	36.18	-9.82	46	44.65	21.24	2.05	31.76	-	-	P	V
		407.8	37.42	-8.58	46	44.63	22.31	2.25	31.77	-	-	P	V
		456.1	40.18	-5.82	46	46.59	23.03	2.38	31.82	100	30	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.

Note symbol

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

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

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

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Band 4 - 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5612.2	51.38	-16.82	68.2	39.45	32.04	10.89	31	100	27	P	H
		5689.6	54.34	-43.19	97.53	42.18	32.17	11.02	31.03	100	27	P	H
		5719.6	54.73	-55.96	110.69	42.49	32.21	11.07	31.04	100	27	P	H
		5725	57.62	-64.58	122.2	45.38	32.21	11.07	31.04	100	27	P	H
	*	5745	105.27	-	-	92.98	32.24	11.1	31.05	100	27	P	H
	*	5745	99.44	-	-	87.15	32.24	11.1	31.05	100	27	A	H
802.11n													H
HT20													H
CH 149		5627.2	51.02	-17.18	68.2	39.03	32.07	10.92	31	234	224	P	V
5745MHz		5670.6	51.81	-31.67	83.48	39.69	32.14	11	31.02	234	224	P	V
		5717	52.76	-57.2	109.96	40.56	32.19	11.05	31.04	234	224	P	V
		5724	55.16	-64.76	119.92	42.92	32.21	11.07	31.04	234	224	P	V
	*	5745	103.29	-	-	91	32.24	11.1	31.05	234	224	P	V
	*	5745	96.39	-	-	84.1	32.24	11.1	31.05	234	224	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5620	51.52	-16.68	68.2	39.53	32.07	10.92	31	100	30	P	H
		5663.4	51.73	-26.42	78.15	39.66	32.12	10.97	31.02	100	30	P	H
		5710.2	51.93	-56.13	108.06	39.73	32.19	11.05	31.04	100	30	P	H
		5720.2	50.77	-60.49	111.26	38.53	32.21	11.07	31.04	100	30	P	H
	*	5785	107.17	-	-	94.8	32.29	11.15	31.07	100	30	P	H
	*	5785	99.6	-	-	87.23	32.29	11.15	31.07	100	30	A	H
		5850	51.69	-70.51	122.2	39.13	32.38	11.27	31.09	100	30	P	H
		5855.2	52.79	-57.95	110.74	40.17	32.41	11.3	31.09	100	30	P	H
802.11n		5893.8	52.8	-38.45	91.25	40.11	32.46	11.35	31.12	100	30	P	H
HT20		5932.6	51.09	-17.11	68.2	38.31	32.5	11.41	31.13	100	30	P	H
CH 157		5620.8	51.69	-16.51	68.2	39.7	32.07	10.92	31	245	226	P	V
5785MHz		5669.2	51.34	-31.11	82.45	39.22	32.14	11	31.02	245	226	P	V
		5703.8	51.6	-54.67	106.27	39.39	32.19	11.05	31.03	245	226	P	V
		5720.2	49.57	-61.69	111.26	37.33	32.21	11.07	31.04	245	226	P	V
	*	5785	102.72	-	-	90.35	32.29	11.15	31.07	245	226	P	V
	*	5785	96.31	-	-	83.94	32.29	11.15	31.07	245	226	A	V
		5854.4	50.56	-61.61	112.17	37.94	32.41	11.3	31.09	245	226	P	V
		5857.8	51.23	-58.78	110.01	38.62	32.41	11.3	31.1	245	226	P	V
		5921.6	52.07	-18.64	70.71	39.29	32.5	11.41	31.13	245	226	P	V
		5942.6	50.56	-17.64	68.2	37.73	32.53	11.44	31.14	245	226	P	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	106.82	-	-	94.3	32.36	11.24	31.08	100	27	P	H
	*	5825	99.94	-	-	87.42	32.36	11.24	31.08	100	27	A	H
		5854.9	53.41	-57.62	111.03	40.79	32.41	11.3	31.09	100	27	P	H
		5855.6	56.62	-54.01	110.63	44	32.41	11.3	31.09	100	27	P	H
		5907.4	52.87	-28.32	81.19	40.13	32.48	11.38	31.12	100	27	P	H
		5928.6	51.03	-17.17	68.2	38.25	32.5	11.41	31.13	100	27	P	H
802.11n													H
HT20													H
CH 165	*	5825	102.79	-	-	90.27	32.36	11.24	31.08	241	225	P	V
5825MHz	*	5825	96.16	-	-	83.64	32.36	11.24	31.08	241	225	A	V
		5854.8	52.2	-59.06	111.26	39.58	32.41	11.3	31.09	241	225	P	V
		5869.8	51.82	-54.83	106.65	39.21	32.41	11.3	31.1	241	225	P	V
		5884.4	51.76	-46.46	98.22	39.12	32.43	11.33	31.12	241	225	P	V
		5943.8	50.77	-17.43	68.2	37.94	32.53	11.44	31.14	241	225	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	39.96	-34.04	74	35.66	40.3	15.2	51.2	100	0	P	H
		17235	41.24	-26.96	68.2	32.78	41.09	19.52	52.15	100	0	P	H
802.11n													H
HT20													H
CH 149		11490	40.51	-33.49	74	36.21	40.3	15.2	51.2	100	0	P	V
5745MHz		17235	41.92	-26.28	68.2	33.46	41.09	19.52	52.15	100	0	P	V
													V
													V
		11570	39.19	-34.81	74	35.05	40.12	15.22	51.2	100	0	P	H
		17355	42.85	-25.35	68.2	33.87	41.53	19.62	52.17	100	0	P	H
802.11n													H
HT20													H
CH 157		11570	38.85	-35.15	74	34.71	40.12	15.22	51.2	100	0	P	V
5785MHz		17355	41.86	-26.34	68.2	32.88	41.53	19.62	52.17	100	0	P	V
													V
													V
		11650	40.31	-33.69	74	36.34	39.94	15.23	51.2	100	0	P	H
		17475	42.56	-25.64	68.2	33.07	41.97	19.71	52.19	100	0	P	H
802.11n													H
HT20													H
CH 165		11650	39.04	-34.96	74	35.07	39.94	15.23	51.2	100	0	P	V
5825MHz		17475	42.97	-25.23	68.2	33.48	41.97	19.71	52.19	100	0	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5628.2	52.59	-15.61	68.2	40.6	32.07	10.92	31	100	28	P	H
		5663.8	53.69	-24.75	78.44	41.62	32.12	10.97	31.02	100	28	P	H
		5714.6	56.88	-52.41	109.29	44.68	32.19	11.05	31.04	100	28	P	H
		5723.2	60.68	-57.42	118.1	48.44	32.21	11.07	31.04	100	28	P	H
	*	5755	103.34	-	-	91	32.26	11.13	31.05	100	28	P	H
	*	5755	96.16	-	-	83.82	32.26	11.13	31.05	100	28	A	H
		5851	50.84	-69.08	119.92	38.28	32.38	11.27	31.09	100	28	P	H
		5874	53	-52.48	105.48	40.34	32.43	11.33	31.1	100	28	P	H
802.11n		5909.4	52.12	-27.59	79.71	39.39	32.48	11.38	31.13	100	28	P	H
HT40		5928.2	51.81	-16.39	68.2	39.03	32.5	11.41	31.13	100	28	P	H
CH 151		5618	51.84	-16.36	68.2	39.85	32.07	10.92	31	235	228	P	V
5755MHz		5694.8	52.42	-48.95	101.37	40.26	32.17	11.02	31.03	235	228	P	V
		5715.4	54.51	-55	109.51	42.31	32.19	11.05	31.04	235	228	P	V
		5721.8	54.6	-60.3	114.9	42.36	32.21	11.07	31.04	235	228	P	V
	*	5755	99.14	-	-	86.8	32.26	11.13	31.05	235	228	P	V
	*	5755	93.07	-	-	80.73	32.26	11.13	31.05	235	228	A	V
		5853.8	50.31	-63.23	113.54	37.69	32.41	11.3	31.09	235	228	P	V
		5856	52.21	-58.31	110.52	39.59	32.41	11.3	31.09	235	228	P	V
		5897.8	52.31	-35.98	88.29	39.62	32.46	11.35	31.12	235	228	P	V
		5927.8	50.58	-17.62	68.2	37.8	32.5	11.41	31.13	235	228	P	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 159 5795MHz		5646	50.82	-17.38	68.2	38.8	32.09	10.94	31.01	100	28	P	H
		5657.2	52.15	-21.4	73.55	40.08	32.12	10.97	31.02	100	28	P	H
		5720	51.77	-59.03	110.8	39.53	32.21	11.07	31.04	100	28	P	H
		5725	52.22	-69.98	122.2	39.98	32.21	11.07	31.04	100	28	P	H
	*	5795	103	-	-	90.58	32.31	11.18	31.07	100	28	P	H
	*	5795	96.51	-	-	84.09	32.31	11.18	31.07	100	28	A	H
		5851.8	51.83	-66.27	118.1	39.27	32.38	11.27	31.09	100	28	P	H
		5857.6	52.28	-57.79	110.07	39.66	32.41	11.3	31.09	100	28	P	H
		5906.4	52.53	-29.4	81.93	39.79	32.48	11.38	31.12	100	28	P	H
		5932.8	51.88	-16.32	68.2	39.1	32.5	11.41	31.13	100	28	P	H
		5641.8	51.92	-16.28	68.2	39.9	32.09	10.94	31.01	244	225	P	V
		5677	51.39	-36.83	88.22	39.27	32.14	11	31.02	244	225	P	V
		5717.8	50.59	-59.59	110.18	38.35	32.21	11.07	31.04	244	225	P	V
		5724.2	51.83	-68.55	120.38	39.59	32.21	11.07	31.04	244	225	P	V
	*	5795	100.21	-	-	87.79	32.31	11.18	31.07	244	225	P	V
	*	5795	92.97	-	-	80.55	32.31	11.18	31.07	244	225	A	V
		5852.2	50.53	-66.65	117.18	37.97	32.38	11.27	31.09	244	225	P	V
		5867.8	50.92	-56.29	107.21	38.31	32.41	11.3	31.1	244	225	P	V
		5893.8	51.49	-39.76	91.25	38.8	32.46	11.35	31.12	244	225	P	V
		5929.6	51.26	-16.94	68.2	38.48	32.5	11.41	31.13	244	225	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	39.35	-34.65	74	35.04	40.3	15.21	51.2	100	0	P	H
		17265	42.13	-26.07	68.2	33.52	41.21	19.55	52.15	100	0	P	H
802.11n													H
HT40													H
CH 151		11510	39.82	-34.18	74	35.51	40.3	15.21	51.2	100	0	P	V
5755MHz		17265	41.8	-26.4	68.2	33.19	41.21	19.55	52.15	100	0	P	V
													V
													V
		11590	39.2	-34.8	74	35.1	40.08	15.22	51.2	100	0	P	H
		17385	42.36	-25.84	68.2	33.24	41.66	19.64	52.18	100	0	P	H
802.11n													H
HT40													H
CH 159		11590	39.38	-34.62	74	35.28	40.08	15.22	51.2	100	0	P	V
5795MHz		17385	41.75	-26.45	68.2	32.63	41.66	19.64	52.18	100	0	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		5630.8	52.97	-15.23	68.2	40.99	32.07	10.92	31.01	100	26	P	H
		5692.6	59.21	-40.53	99.74	47.05	32.17	11.02	31.03	100	26	P	H
		5715.6	62.5	-47.07	109.57	50.3	32.19	11.05	31.04	100	26	P	H
		5724	61.74	-58.18	119.92	49.5	32.21	11.07	31.04	100	26	P	H
	*	5775	101.43	-	-	89.05	32.29	11.15	31.06	100	26	P	H
	*	5775	95.86	-	-	83.48	32.29	11.15	31.06	100	26	A	H
		5850.2	65.06	-56.68	121.74	52.5	32.38	11.27	31.09	100	26	P	H
		5860.4	62.41	-46.88	109.29	49.8	32.41	11.3	31.1	100	26	P	H
		5880.4	52.89	-48.3	101.19	40.23	32.43	11.33	31.1	100	26	P	H
		5947.6	52.59	-15.61	68.2	39.76	32.53	11.44	31.14	100	26	P	H
		5622	51.17	-17.03	68.2	39.18	32.07	10.92	31	240	225	P	V
		5689.4	55.84	-41.54	97.38	43.68	32.17	11.02	31.03	240	225	P	V
		5718.8	57.18	-53.28	110.46	44.94	32.21	11.07	31.04	240	225	P	V
		5724.2	58.42	-61.96	120.38	46.18	32.21	11.07	31.04	240	225	P	V
	*	5775	98.52	-	-	86.14	32.29	11.15	31.06	240	225	P	V
	*	5775	91.97	-	-	79.59	32.29	11.15	31.06	240	225	A	V
		5851	55.84	-64.08	119.92	43.28	32.38	11.27	31.09	240	225	P	V
		5858.4	56.54	-53.31	109.85	43.93	32.41	11.3	31.1	240	225	P	V
		5875.2	51.93	-53.12	105.05	39.27	32.43	11.33	31.1	240	225	P	V
		5930	50.55	-17.65	68.2	37.77	32.5	11.41	31.13	240	225	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11590	39.2	-34.8	74	35.1	40.08	15.22	51.2	100	0	P	H
		17385	42.36	-25.84	68.2	33.24	41.66	19.64	52.18	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11590	39.38	-34.62	74	35.28	40.08	15.22	51.2	100	0	P	V
5775MHz		17385	41.75	-26.45	68.2	32.63	41.66	19.64	52.18	100	0	P	V
													V
													V

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

Emission below 1GHz

5GHz WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		167.97	36.8	-6.7	43.5	51.2	16.08	1.36	31.84	-	-	P	H
		216.03	39.57	-6.43	46	53.75	16.04	1.58	31.8	-	-	P	H
		264.09	39.58	-6.42	46	50.05	19.56	1.74	31.77	-	-	P	H
		311.9	42.16	-3.84	46	52.16	19.88	1.87	31.75	-	-	P	H
		456.1	43.54	-2.46	46	49.95	23.03	2.38	31.82	110	358	QP	H
		456.1	45.31	-0.69	46	51.72	23.03	2.38	31.82	110	358	P	H
		503.7	42.52	-3.48	46	47.86	24.02	2.5	31.86	-	-	P	H
													H
													H
													H
5GHz													H
802.11n													H
HT40		32.7	36.01	-3.99	40	43.08	24.22	0.66	31.95	100	23	P	V
LF		167.97	31.37	-12.13	43.5	45.77	16.08	1.36	31.84	-	-	P	V
		264.09	35.1	-10.9	46	45.57	19.56	1.74	31.77	-	-	P	V
		360.2	36.41	-9.59	46	44.88	21.24	2.05	31.76	-	-	P	V
		456.1	38.57	-7.43	46	44.98	23.03	2.38	31.82	-	-	P	V
		503.7	36	-10	46	41.34	24.02	2.5	31.86	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.

Note symbol

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

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

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

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

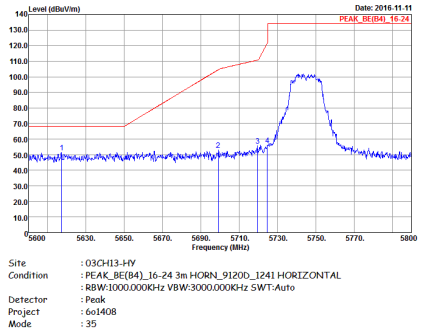
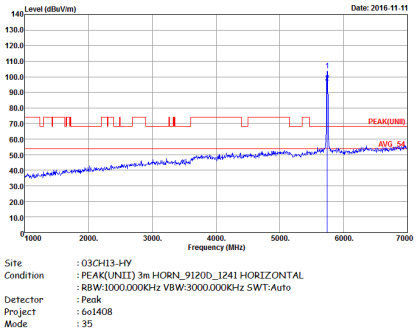
Both peak and average measured complies with the limit line, so test result is "PASS".

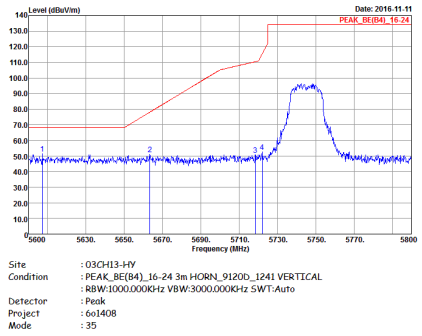
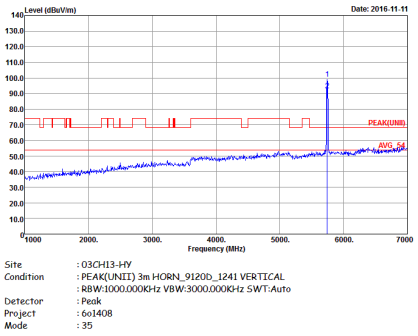
Appendix C. Radiated Spurious Emission Plots

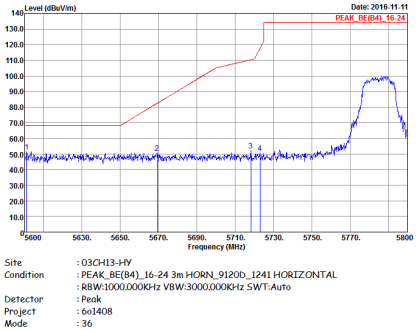
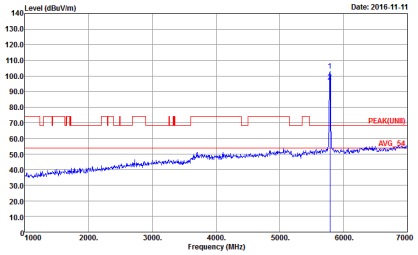
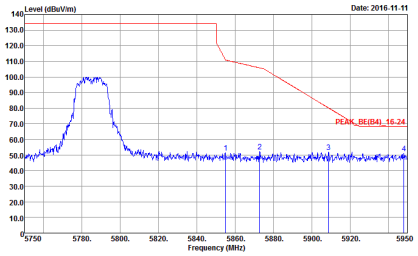
Test Engineer :	Bill Chang, Wilson Wu and Alex Jeng	**Temperature :**	25~26°C
		Relative Humidity :	40~42%

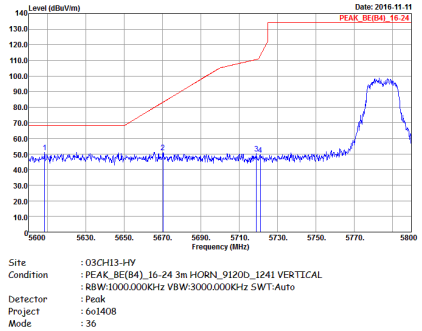
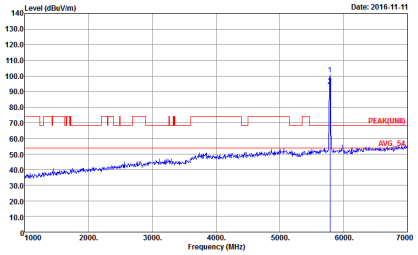
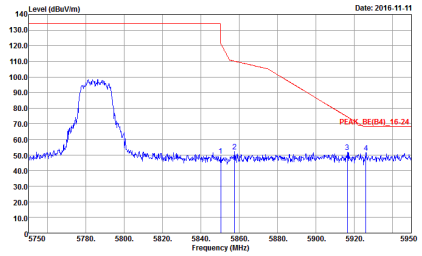
Band 4 - 5725~5850MHz

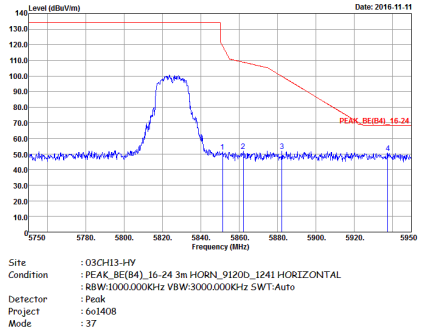
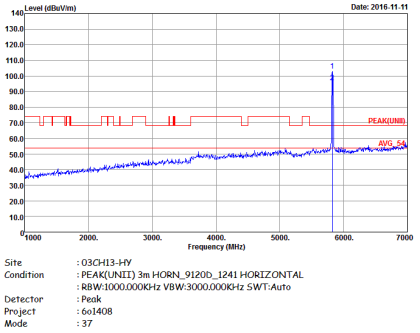
WIFI 802.11a (Band Edge @ 3m)

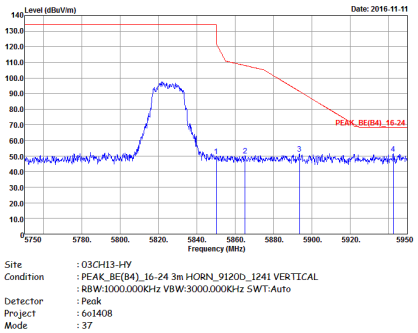
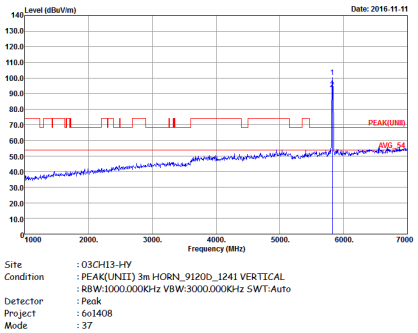
WIFI	**Band 4 5725~5850MHz Band Edge @ 3m**	
ANT	**802.11a CH149 5745MHz**	
1	**Horizontal**	**Fundamental**
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 36	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 36
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 36	Left blank

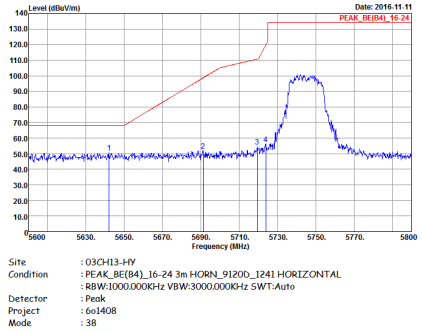
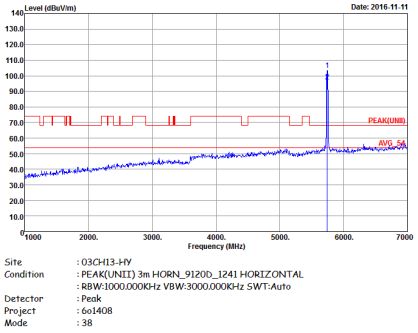
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 36	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 36
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 36	Left blank

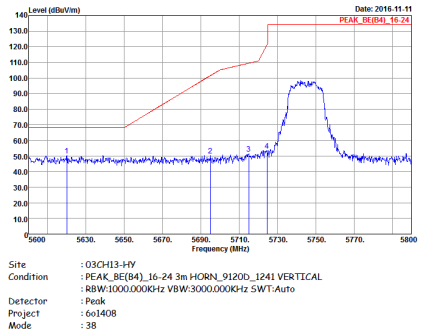
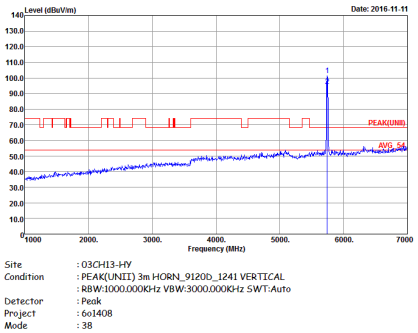
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak		

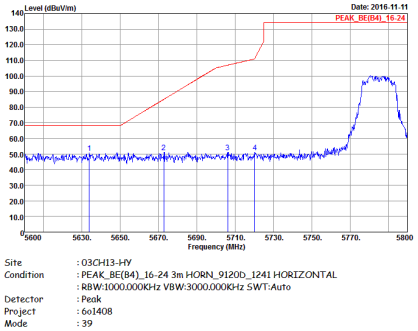
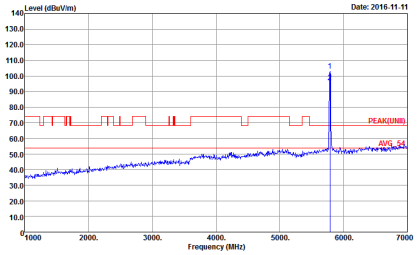
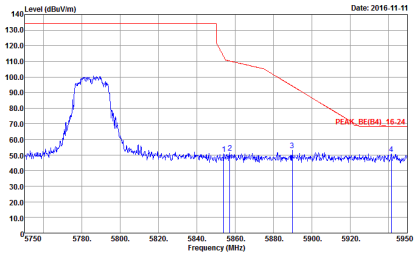
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 37	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 37

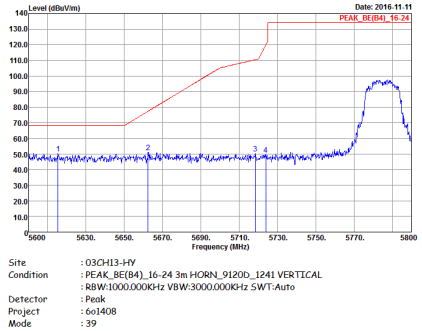
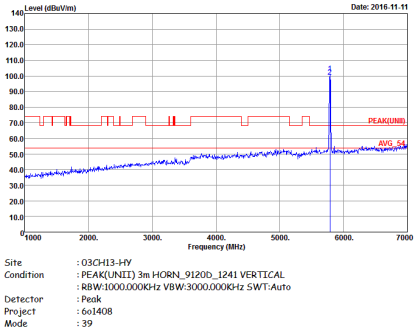
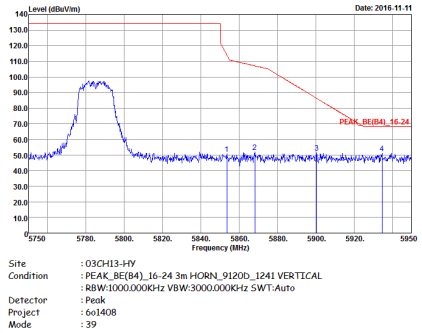
Band 4 5725~5850MHz

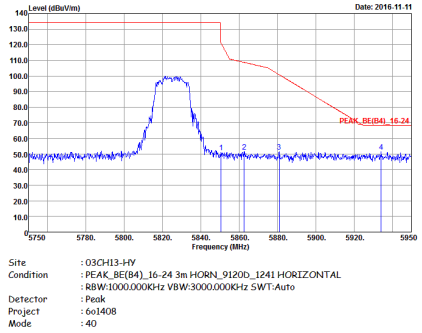
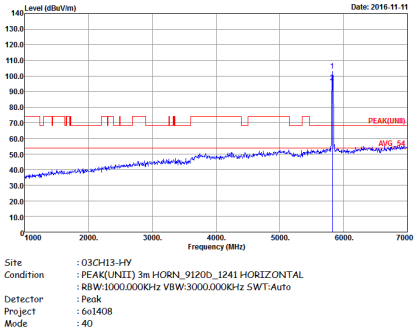
WIFI 802.11n HT20 (Band Edge @ 3m)

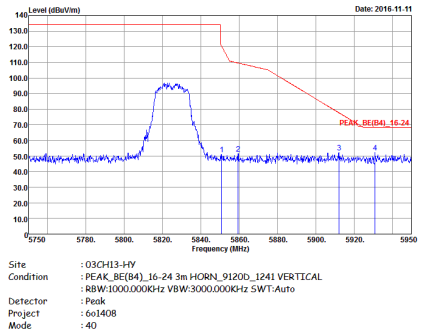
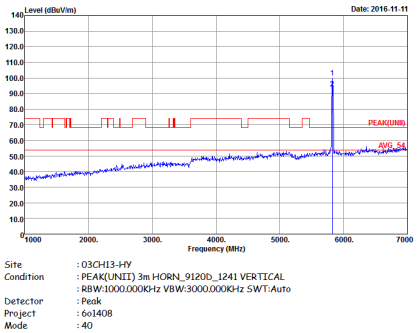
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 38	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 38

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 39	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 39
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 39	Left blank

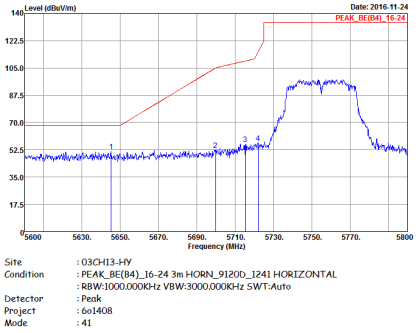
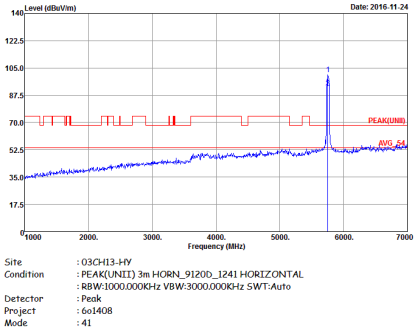
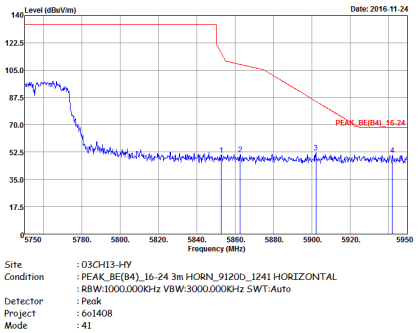
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

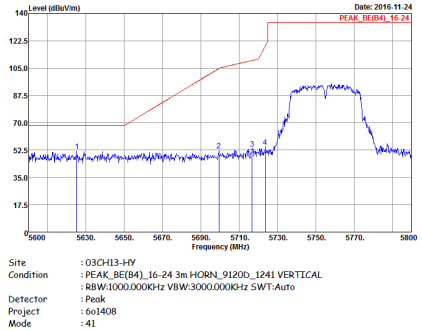
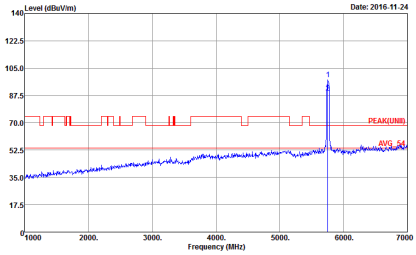
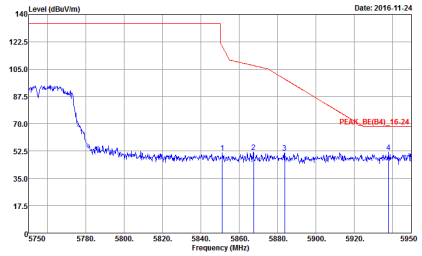
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Fundamental
Peak		

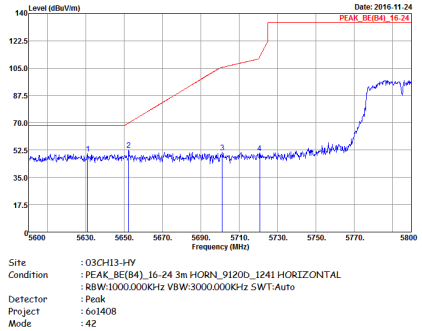
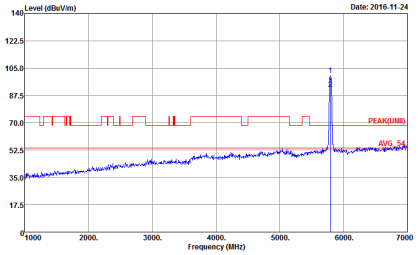
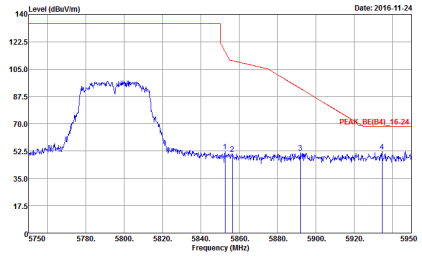
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 40	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 40

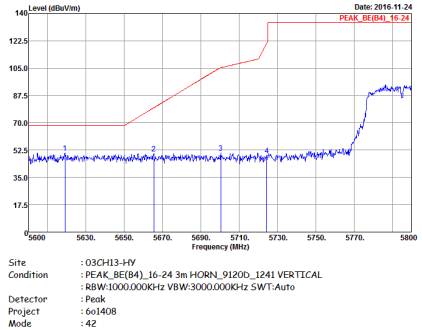
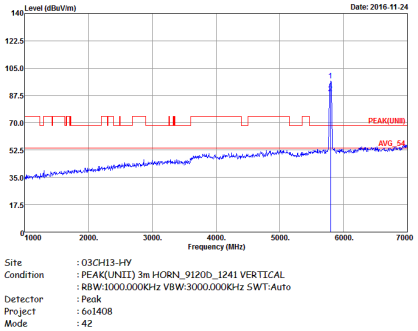
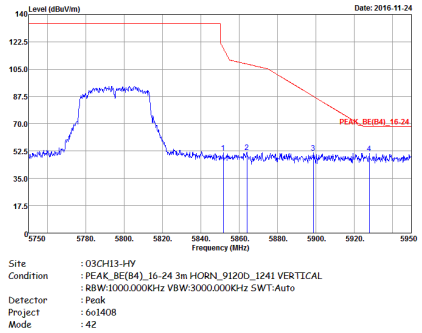
Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Horizontal	Fundamental
Peak		
Peak		Left blank

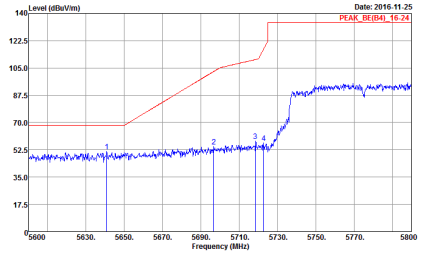
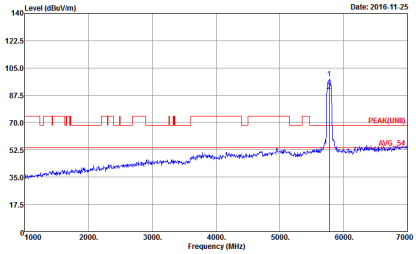
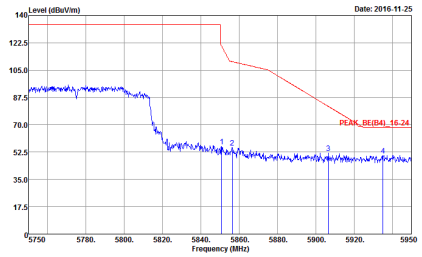
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 41	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 41
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 41	Left blank

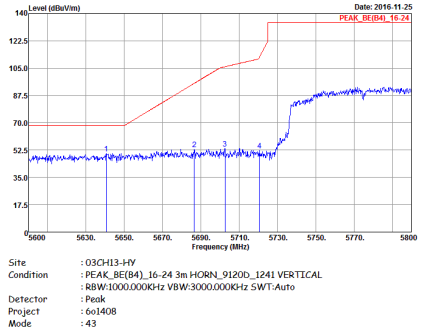
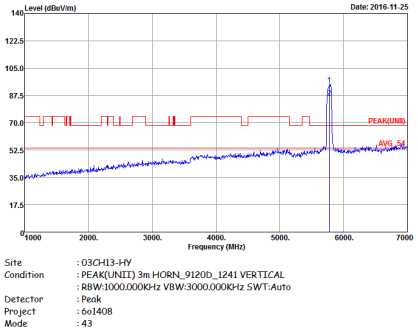
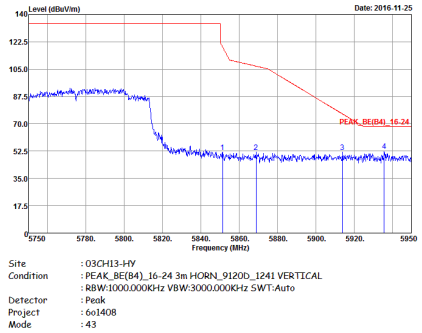
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 42	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 42
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 42	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

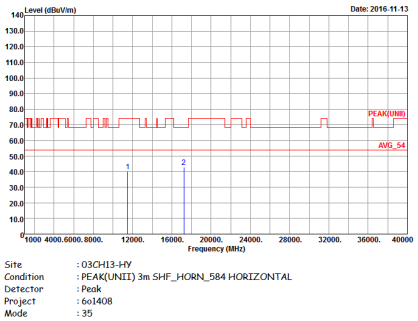
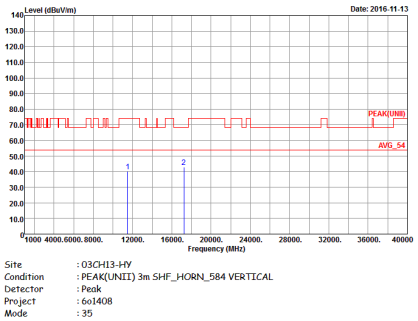
WIFI 802.11ac VHT80 (Band Edge @ 3m)

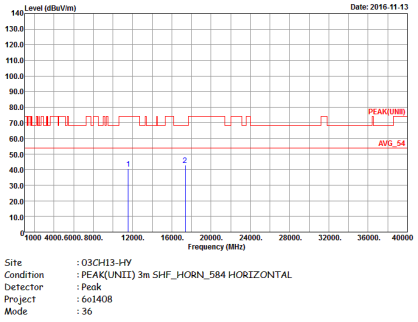
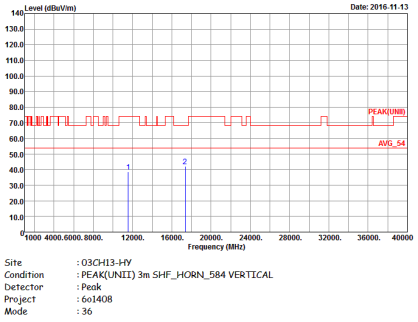
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 43	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 43
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 43	Left blank

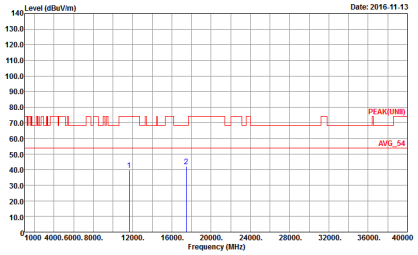
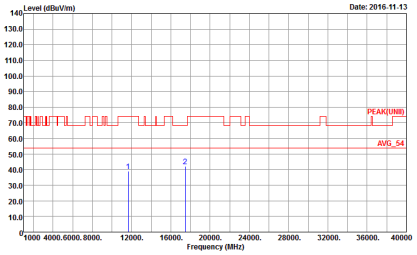
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

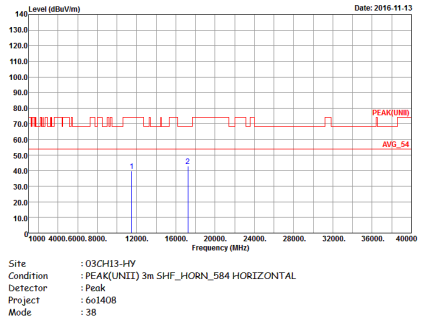
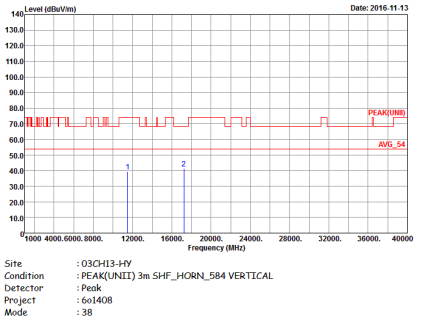
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

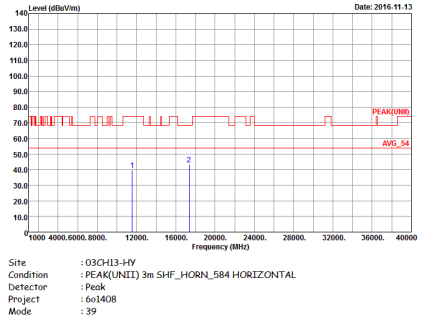
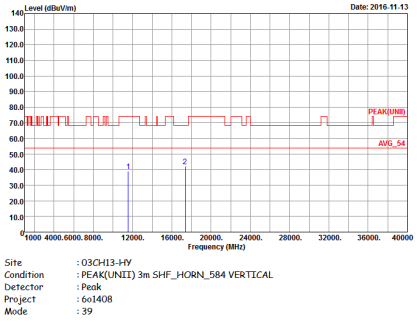
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.		

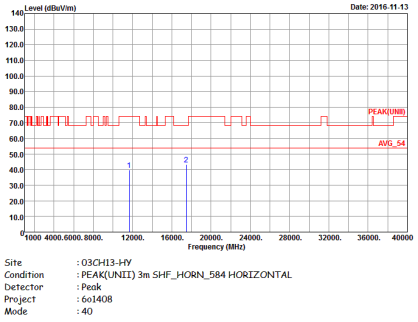
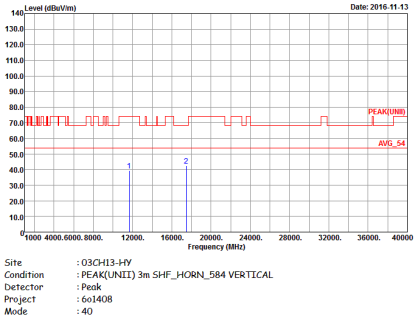
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 6o1408 Mode : 37	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 6o1408 Mode : 37

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

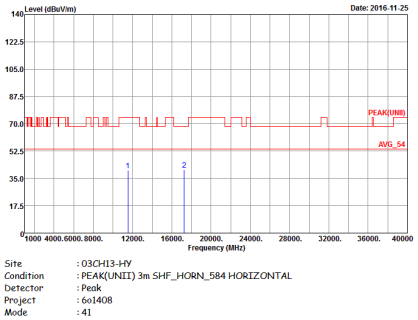
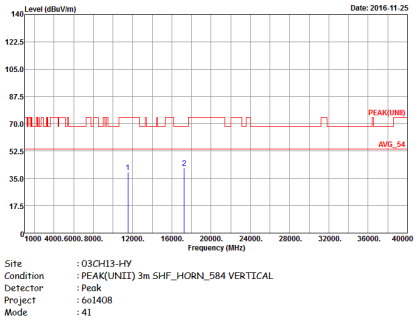
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

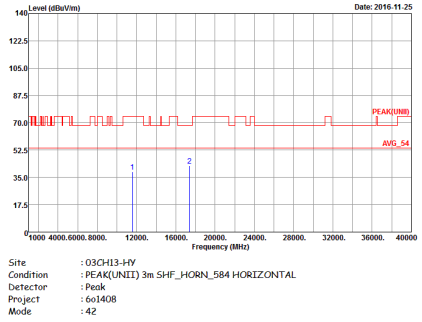
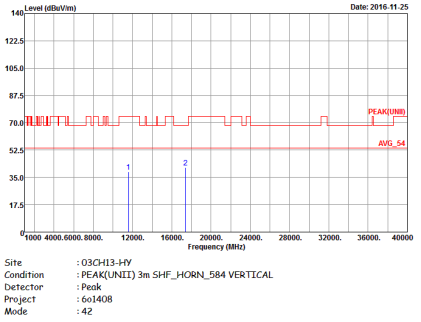
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

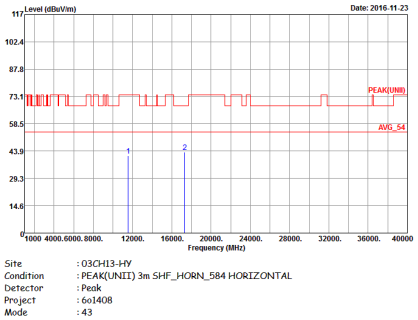
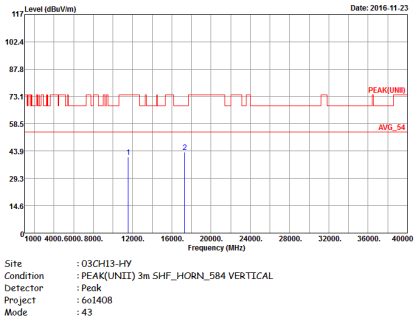
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Vertical
Peak Avg.		

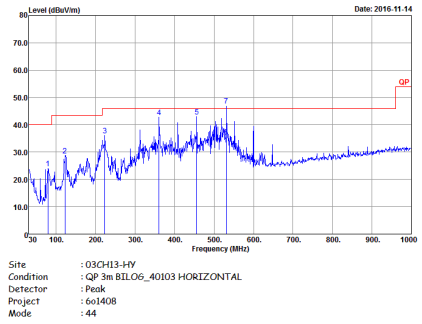
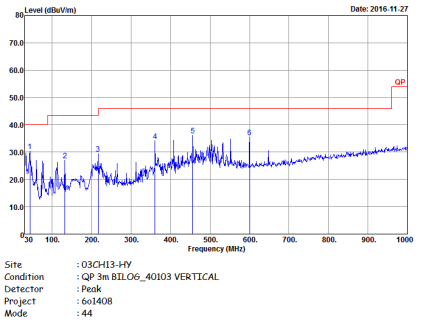
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Vertical
Peak Avg.		

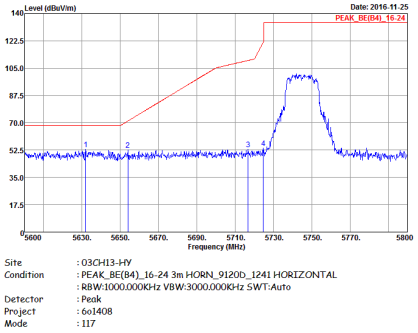
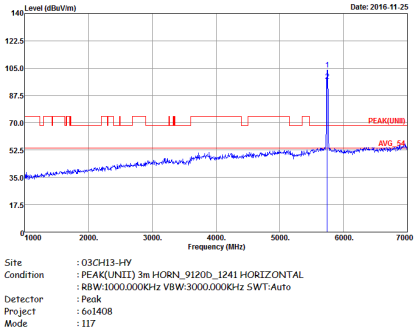
Emission below 1GHz

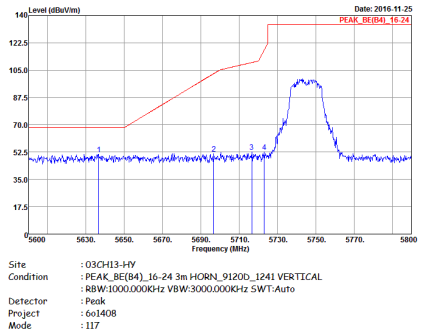
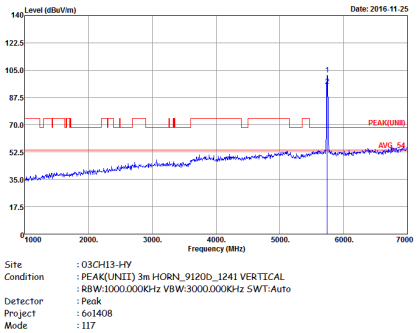
5GHz WIFI 802.11ac VHT80 (LF)

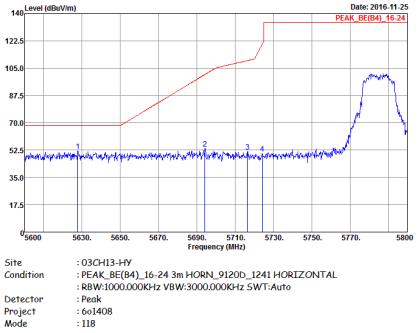
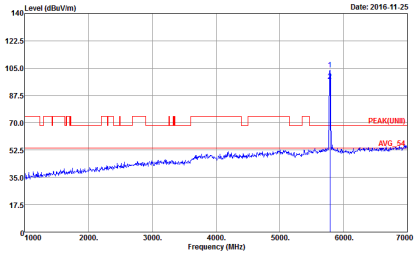
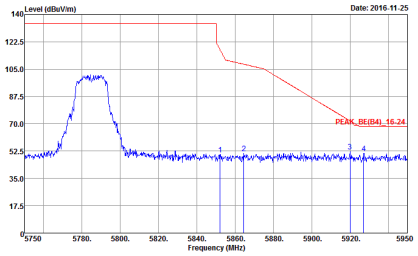
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak		

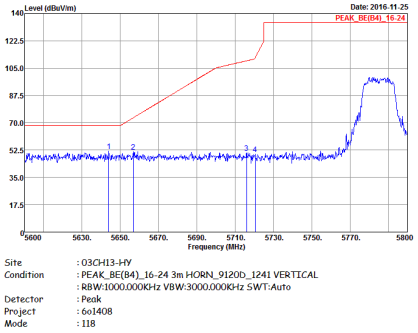
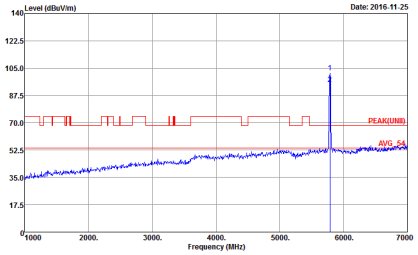
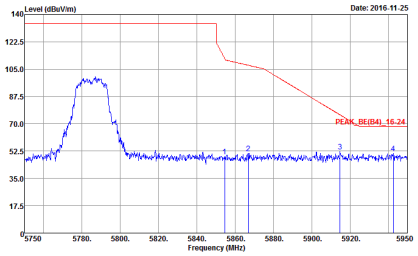
Band 4 - 5725~5850MHz

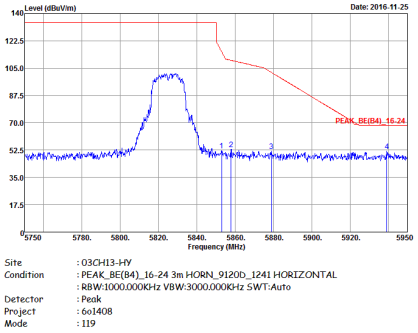
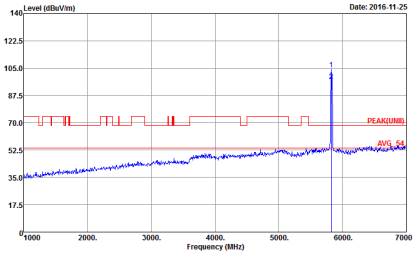
WIFI 802.11a (Band Edge @ 3m)

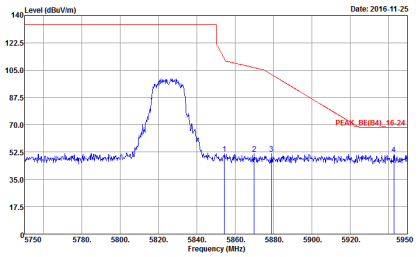
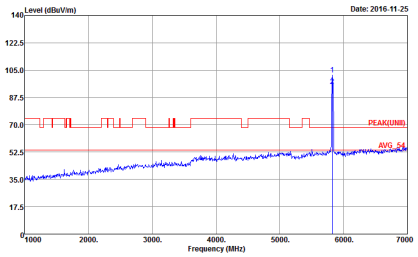
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
2	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 118	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 118
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 118	Left blank

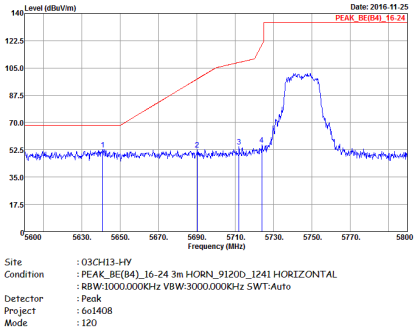
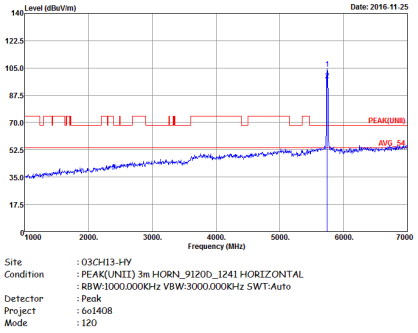
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 118	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 118
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 118	Left blank

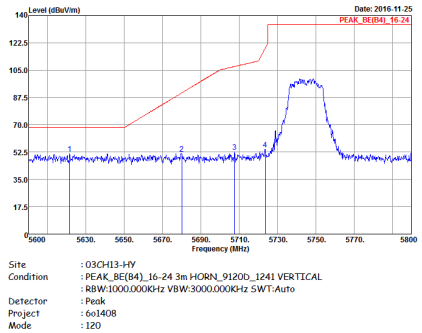
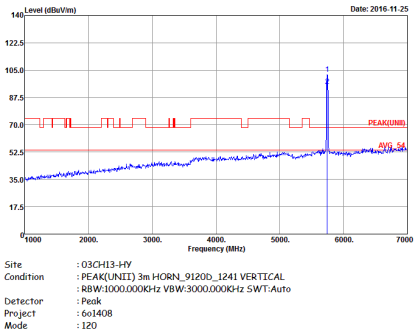
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 119	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 119

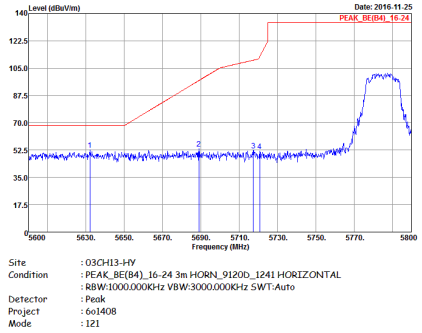
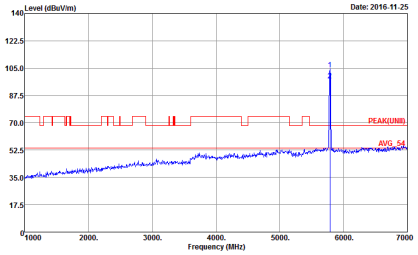
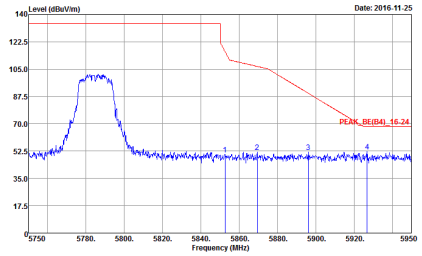
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 119	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 119

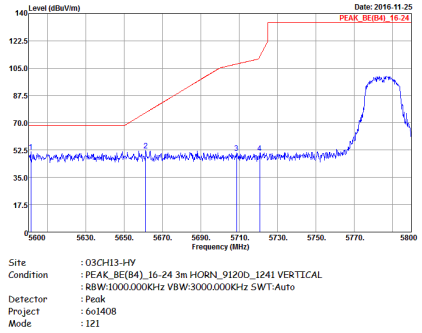
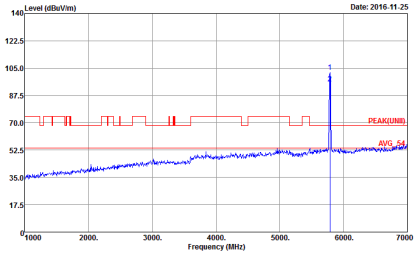
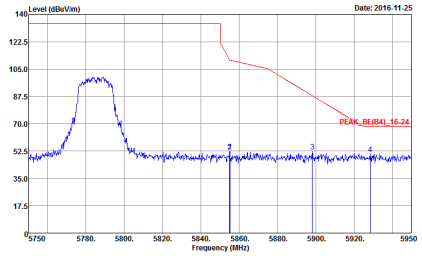
Band 4 5725~5850MHz

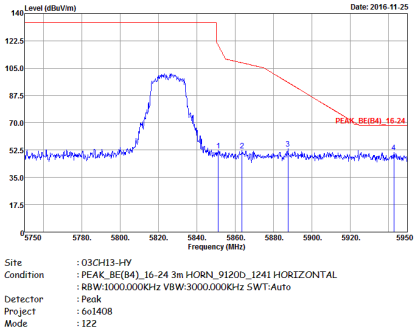
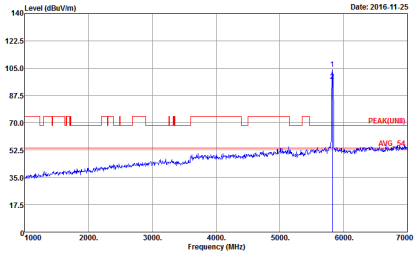
WIFI 802.11n HT20 (Band Edge @ 3m)

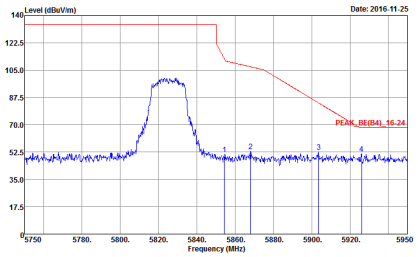
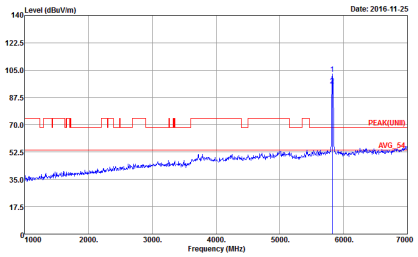
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 120	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 120

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 121	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 121
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 121	Left blank

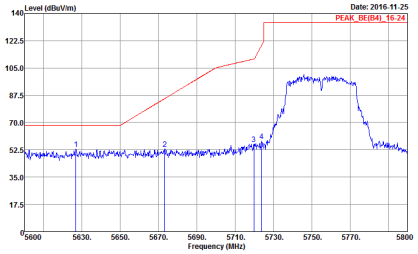
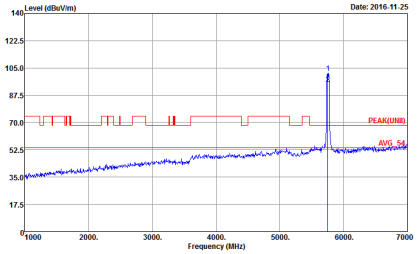
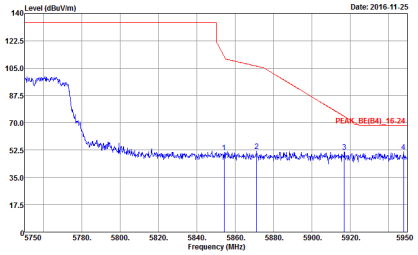
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 121	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 121
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 121	Left blank

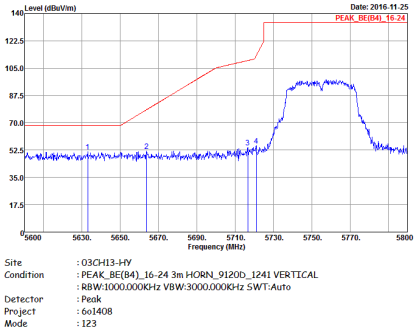
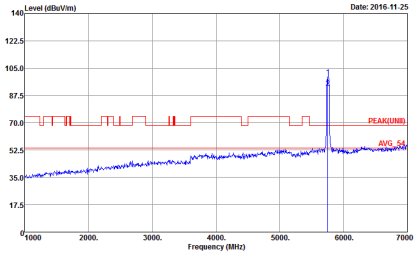
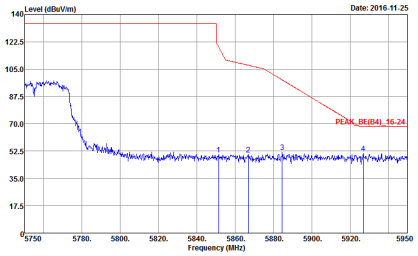
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 122	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 122

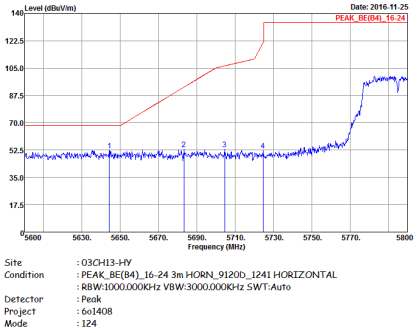
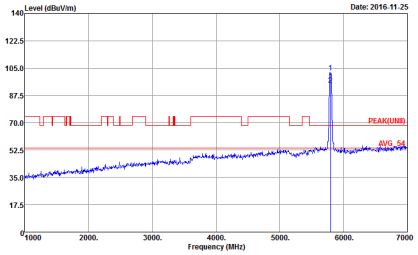
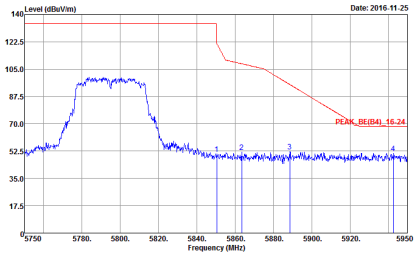
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 122	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 122

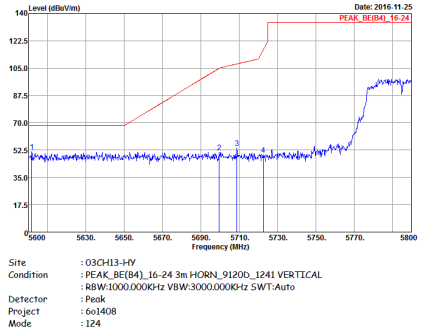
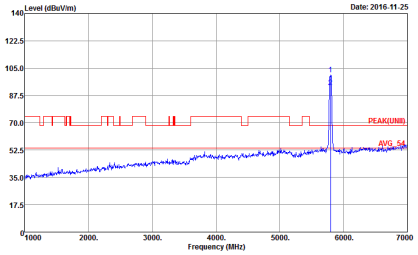
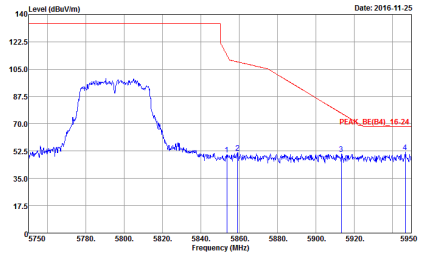
Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 123	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 123
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 123	Left blank

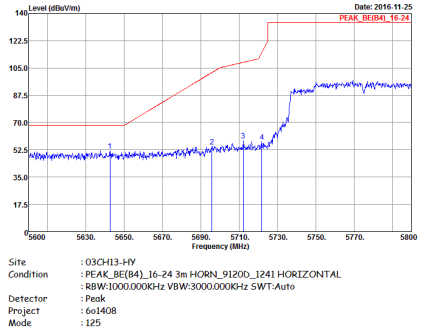
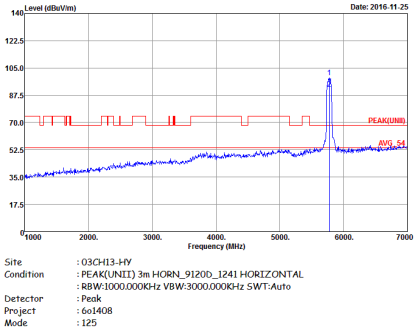
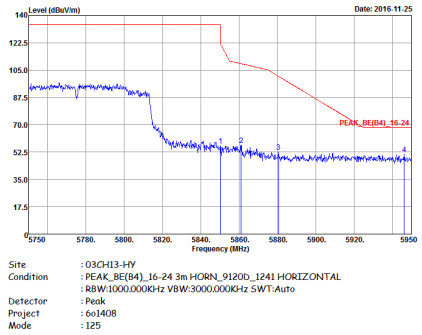
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 123	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 123
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 123	Left blank

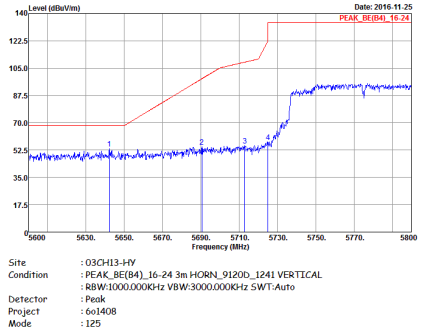
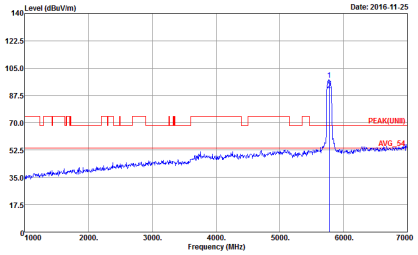
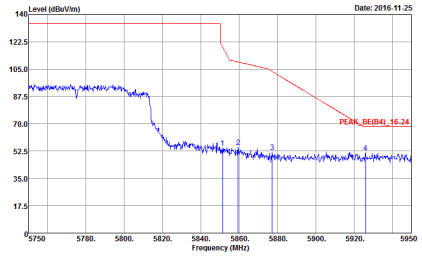
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 124	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 124
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 124	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 124	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 124
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 124	Left blank

Band 4 5725~5850MHz

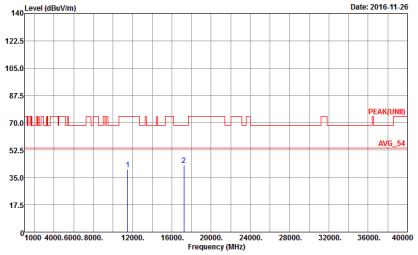
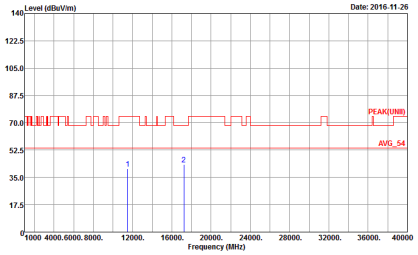
WIFI 802.11ac VHT80 (Band Edge @ 3m)

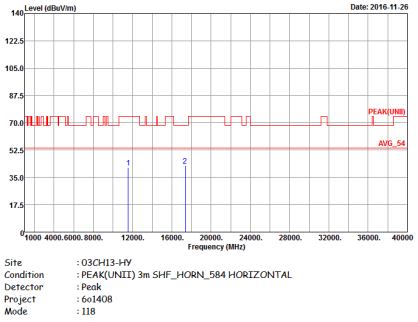
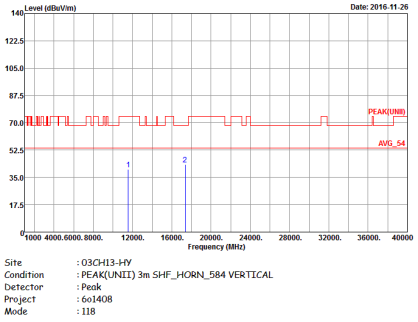
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Horizontal	Fundamental
Peak		
Peak		Left blank

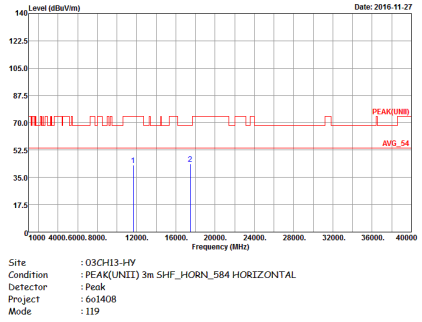
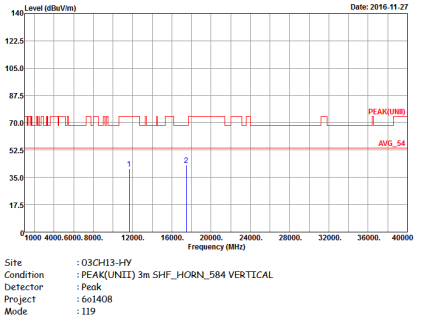
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 125	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 125
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 125	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

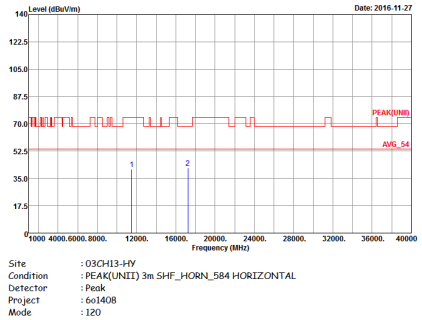
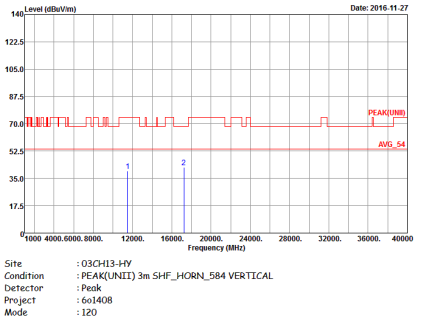
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.		

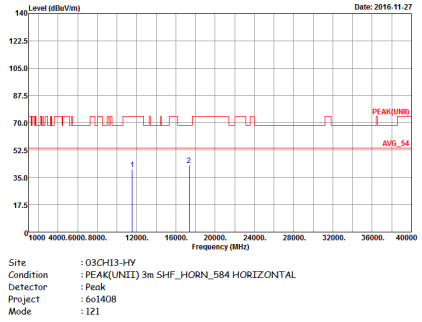
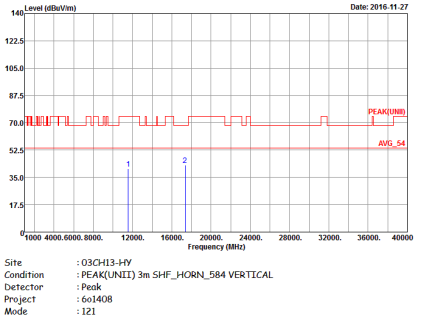
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.		

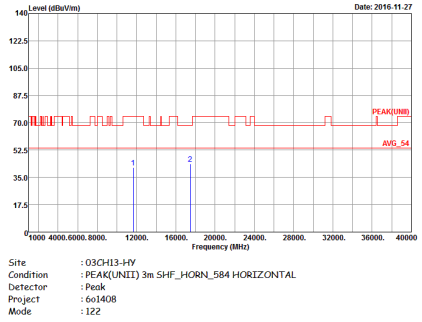
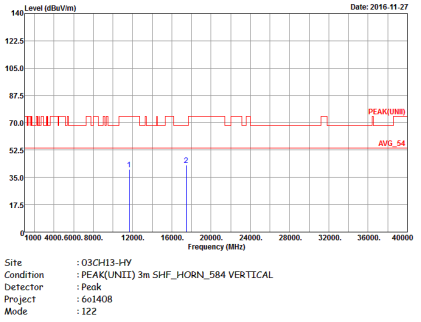
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

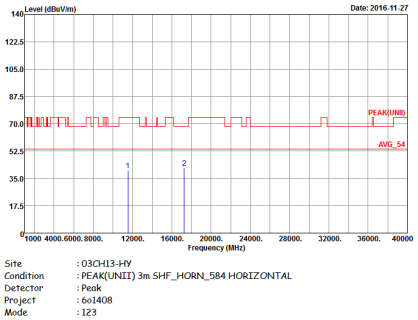
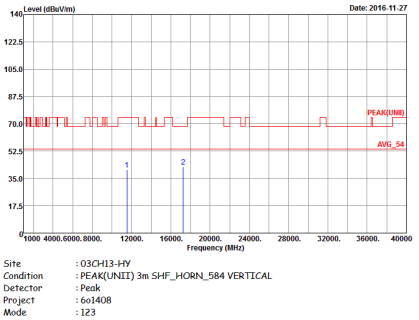
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.		

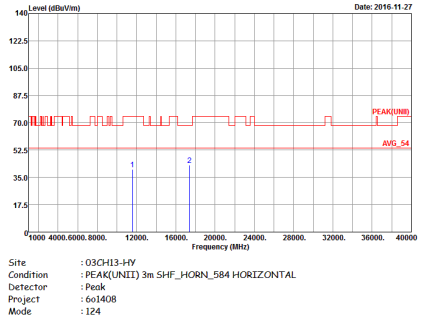
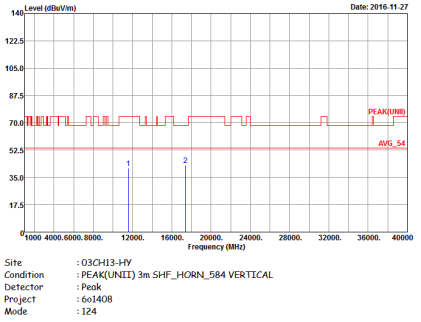
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 6o1408 Mode : 122	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 6o1408 Mode : 122

Band 4 5725~5850MHz

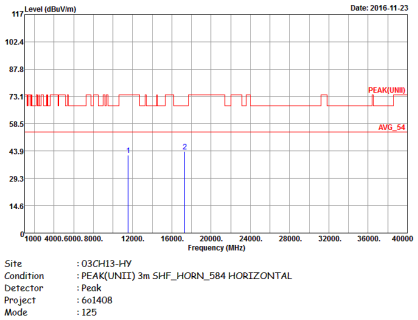
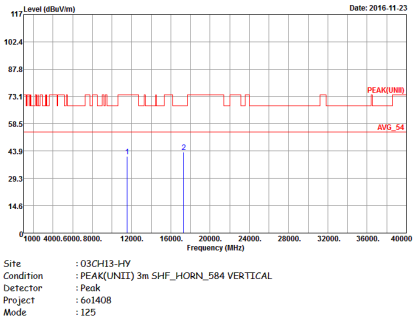
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Horizontal	Vertical
Peak Avg.		

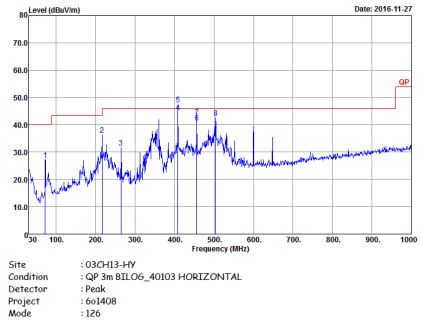
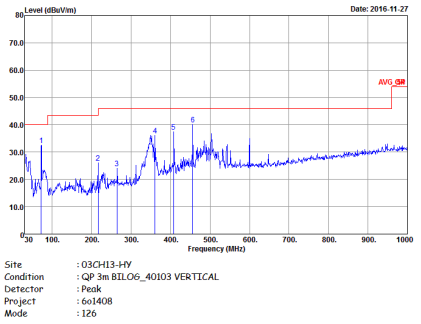
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Horizontal	Vertical
Peak Avg.		

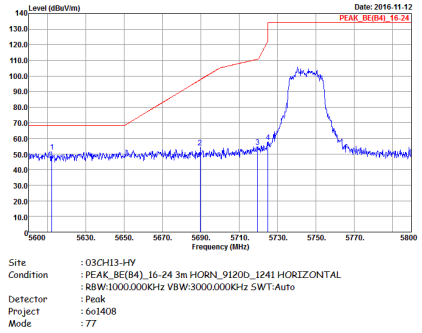
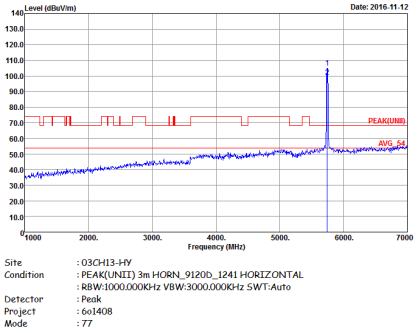
Emission below 1GHz

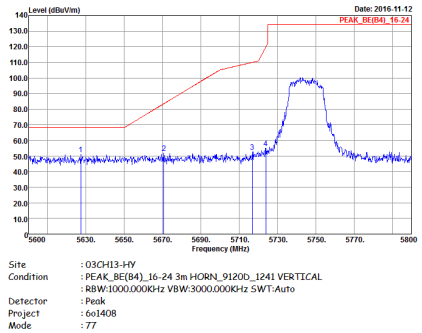
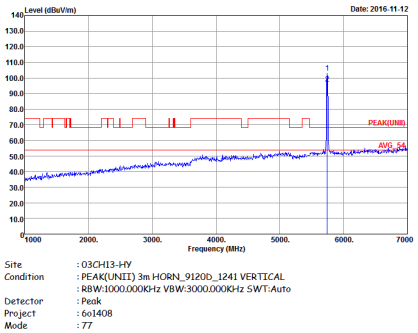
5GHz WIFI 802.11ac VHT80 (LF)

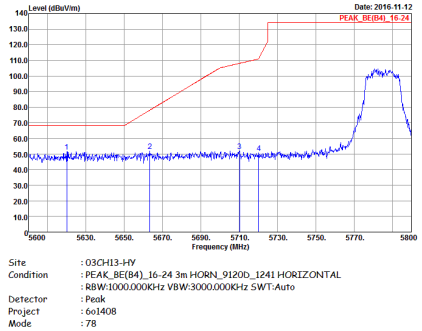
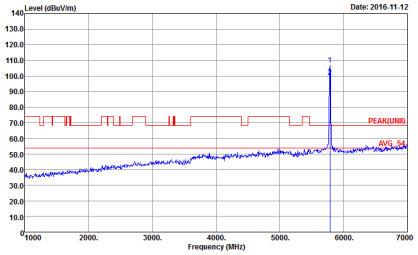
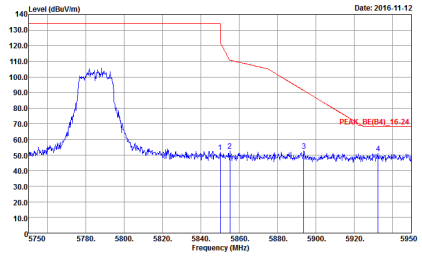
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
2	Horizontal	Vertical
QP / Peak		

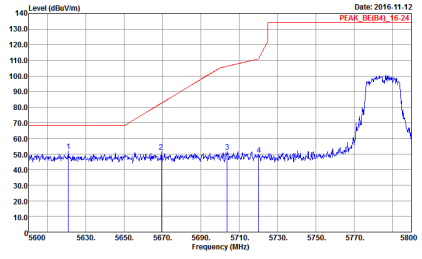
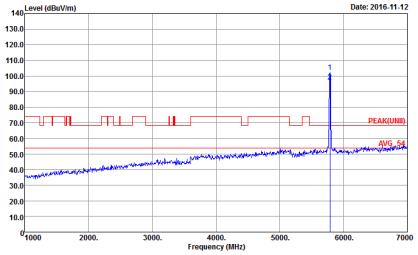
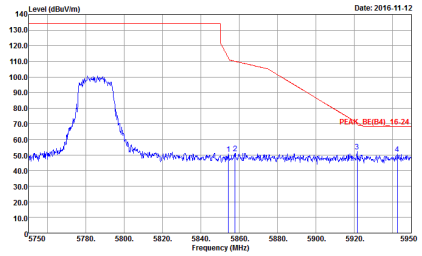
Band 4 - 5725~5850MHz

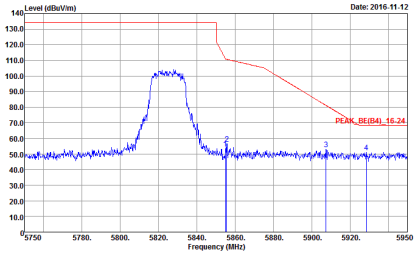
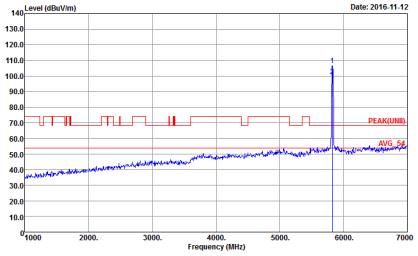
WIFI 802.11n HT20 (Band Edge @ 3m)

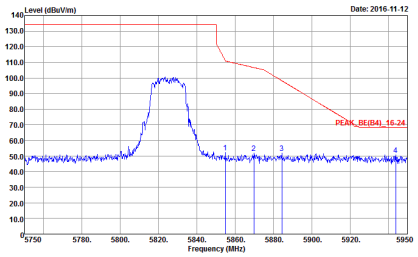
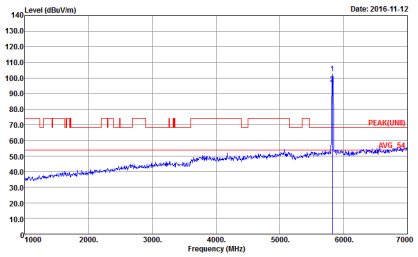
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 78	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 78
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 78	Left blank

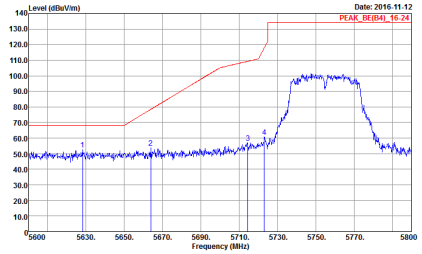
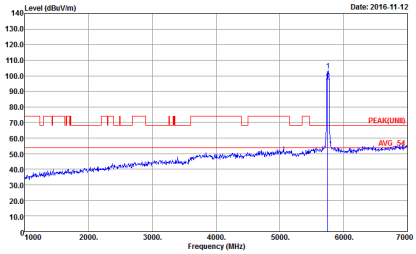
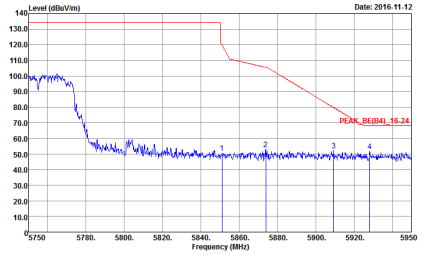
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 78	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 78
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 78	Left blank

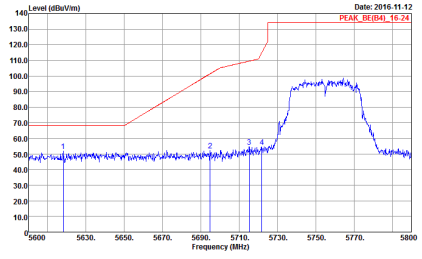
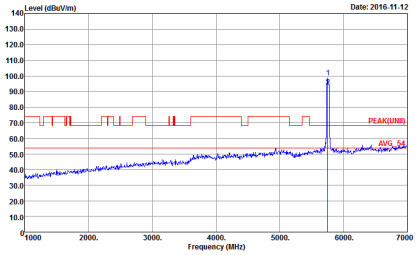
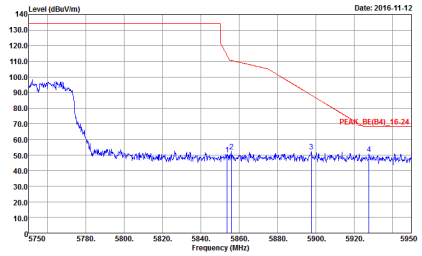
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 79	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 79

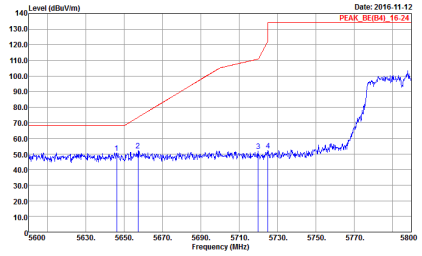
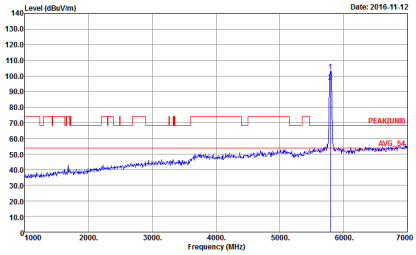
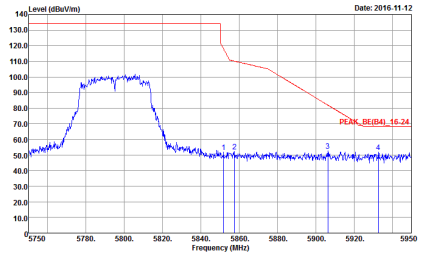
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 79	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 79

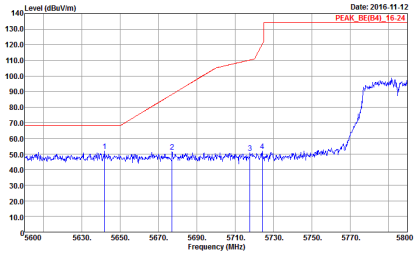
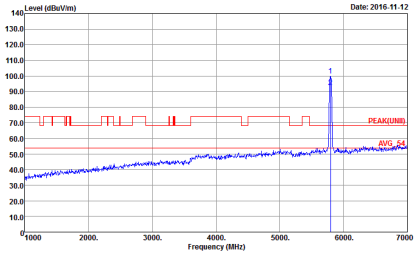
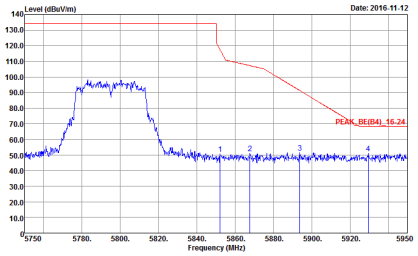
Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 80	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 80
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 80	Left blank

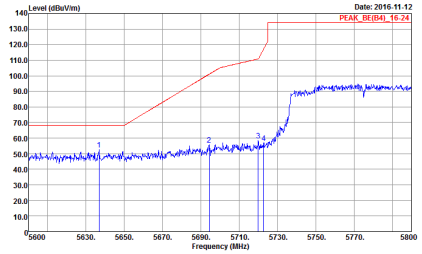
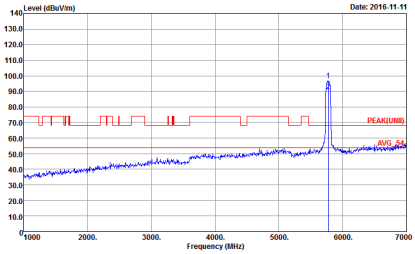
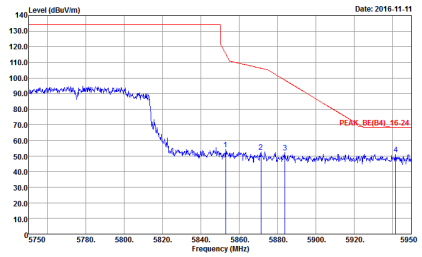
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 80	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 80
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 80	Left blank

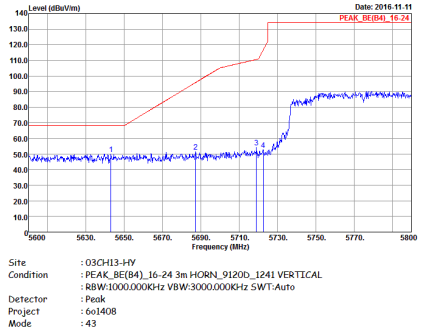
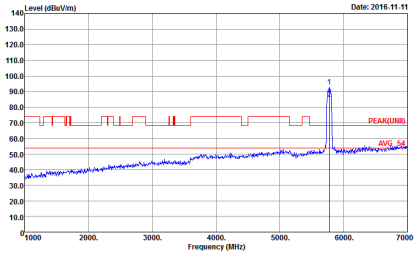
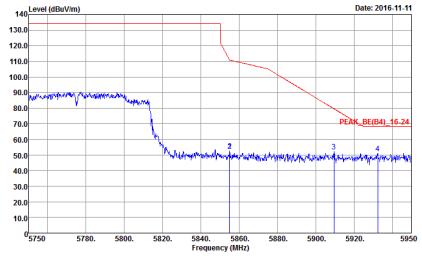
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 81	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 81
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 81	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 81	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 81
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 81	Left blank

Band 4 5725~5850MHz

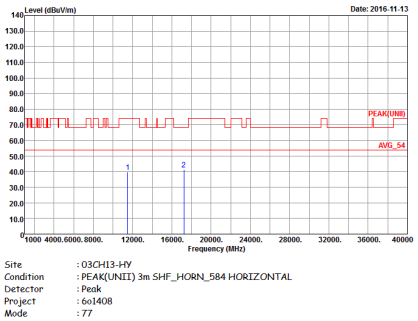
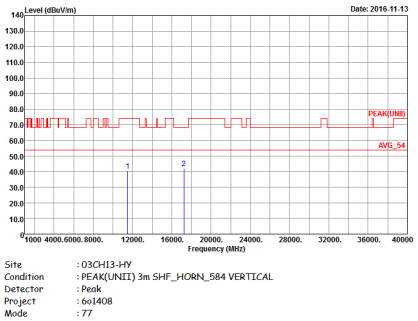
WIFI 802.11ac VHT80 (Band Edge @ 3m)

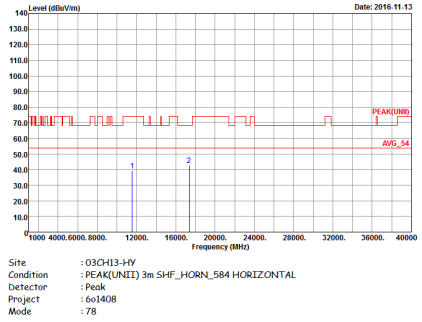
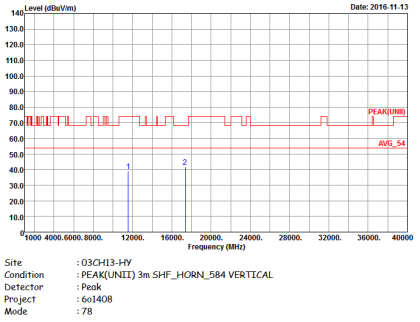
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 43	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 43
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 43	Left blank

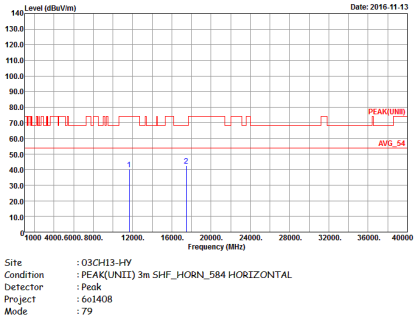
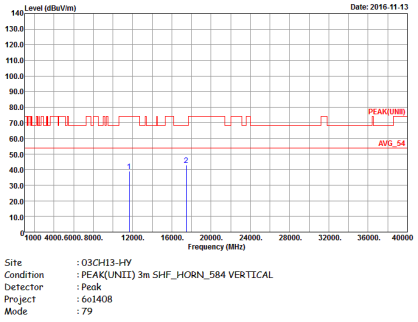
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 43	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 43
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6o1408 Mode : 43	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

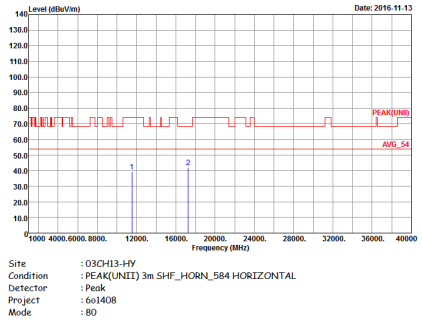
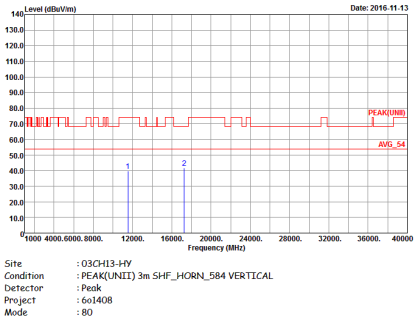
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

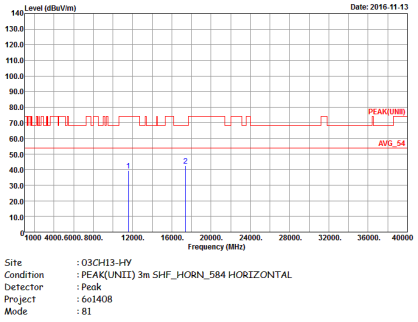
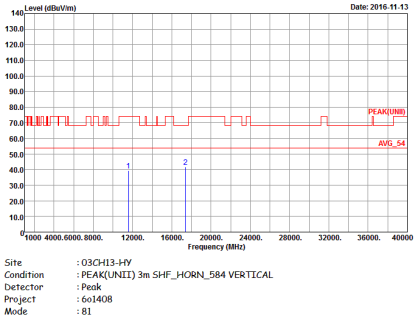
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

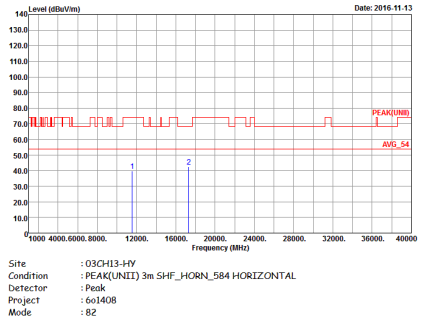
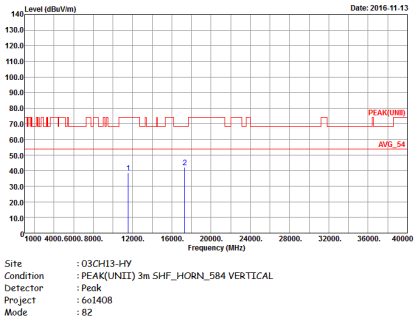
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.		

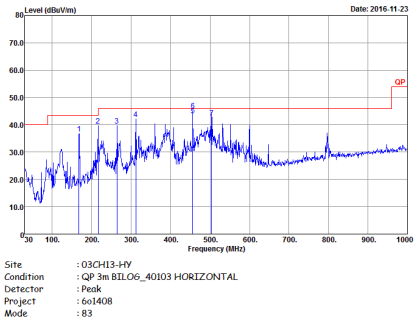
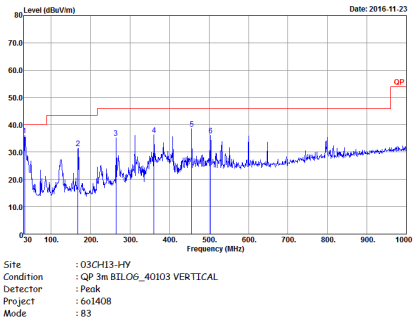
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

5GHz WIFI 802.11n HT40 (LF)

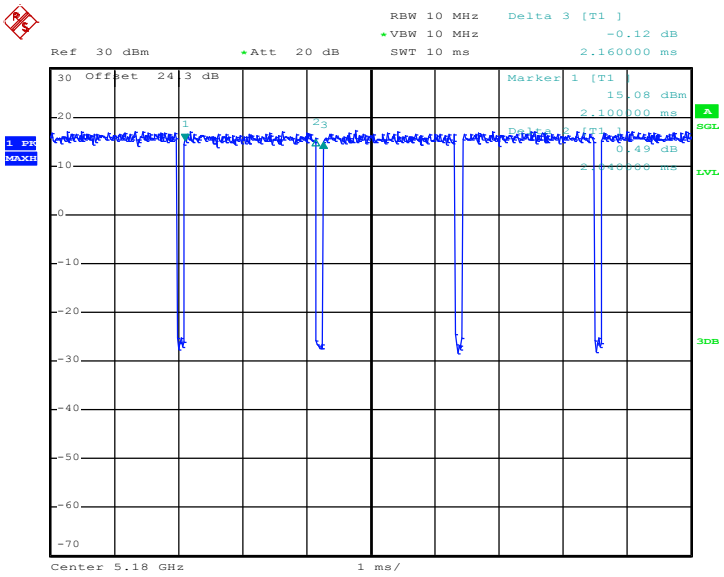
WIFI	5GHz 5725~5850MHz	
ANT	802.11n HT40 LF	
1+2	Horizontal	Vertical
QP / Peak		

Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
0	802.11a	94.444	2040	0.49	1kHz
0	5GHz 802.11n HT20	95.025	1910	0.52	1kHz
0	5GHz 802.11n HT40	98.43	1900	0.53	10Hz
1	802.11a	93.578	2040	0.49	1kHz
1	5GHz 802.11n HT20	95	1900	0.53	1kHz
1	5GHz 802.11n HT40	98.43	1900	0.53	10Hz
1+2	5GHz 802.11n HT20 for Ant 1	83.761	980	1.02	3kHz
1+2	5GHz 802.11n HT20 for Ant 2	83.761	980	1.02	3kHz
1+2	5GHz 802.11n HT40 for Ant 1	83.051	490	2.04	3kHz
1+2	5GHz 802.11n HT40 for Ant 2	87.85	480	2.08	3kHz
0	5GHz 802.11ac VHT20	95.05	1920	0.52	1kHz
0	5GHz 802.11ac VHT40	87.963	950	1.05	3kHz
0	5GHz 802.11ac VHT80	96.77	900	1.11	3kHz
1	5GHz 802.11ac VHT20	95.05	1920	0.52	1kHz
1	5GHz 802.11ac VHT40	87.85	940	1.06	3kHz
1	5GHz 802.11ac VHT80	96.77	900	1.11	3kHz
1+2	5GHz 802.11ac VHT20 for Ant 1	83.898	990	1.01	3kHz
1+2	5GHz 802.11ac VHT20 for Ant 2	83.898	990	1.01	3kHz
1+2	5GHz 802.11ac VHT40 for Ant 1	83.051	490	2.04	3kHz
1+2	5GHz 802.11ac VHT40 for Ant 2	81.667	490	2.04	3kHz
1+2	5GHz 802.11ac VHT80 for Ant 1	82.051	256	3.90	10kHz
1+2	5GHz 802.11ac VHT80 for Ant 2	80.769	252	3.97	10kHz

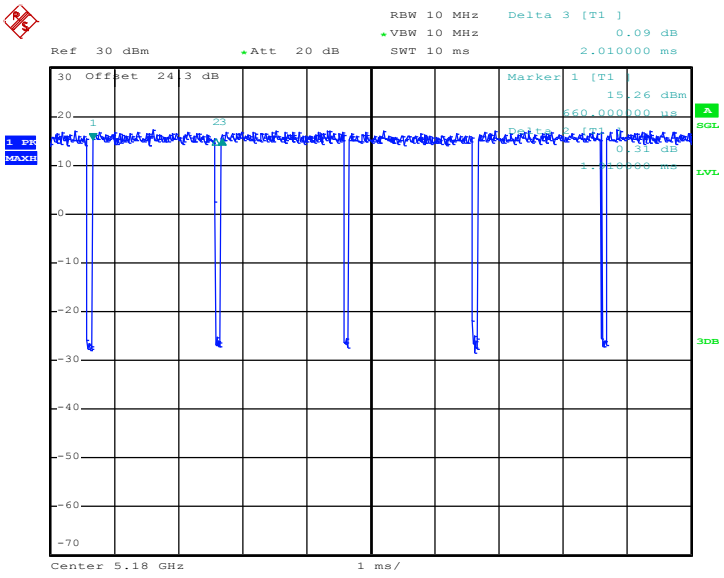
<Ant. 1>

802.11a



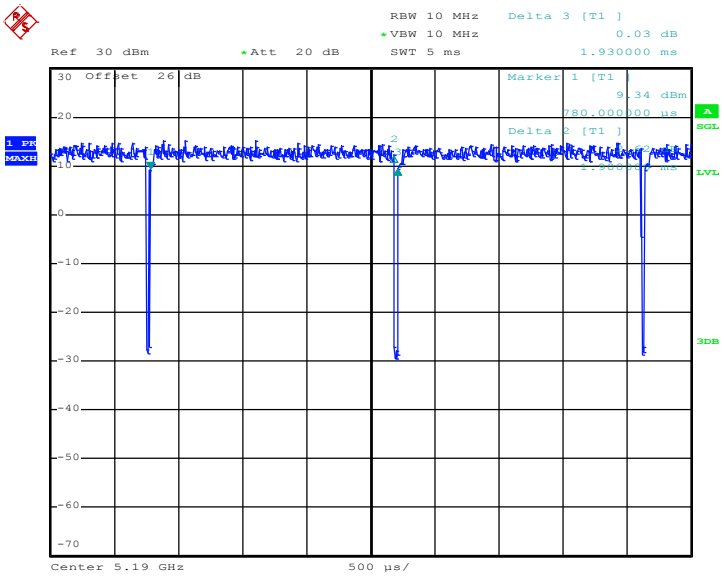
Date: 4.NOV.2016 08:35:15

802.11n HT20



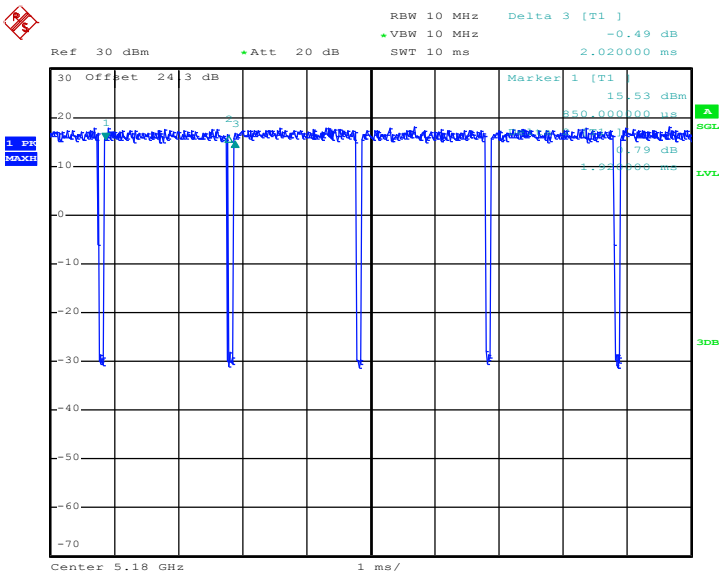
Date: 4.NOV.2016 08:37:45

802.11n HT40



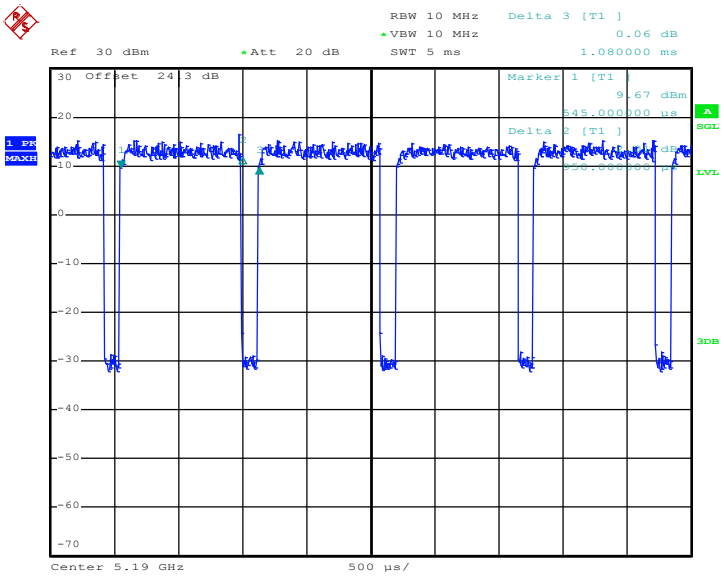
Date: 15.NOV.2016 17:58:14

802.11ac VHT20



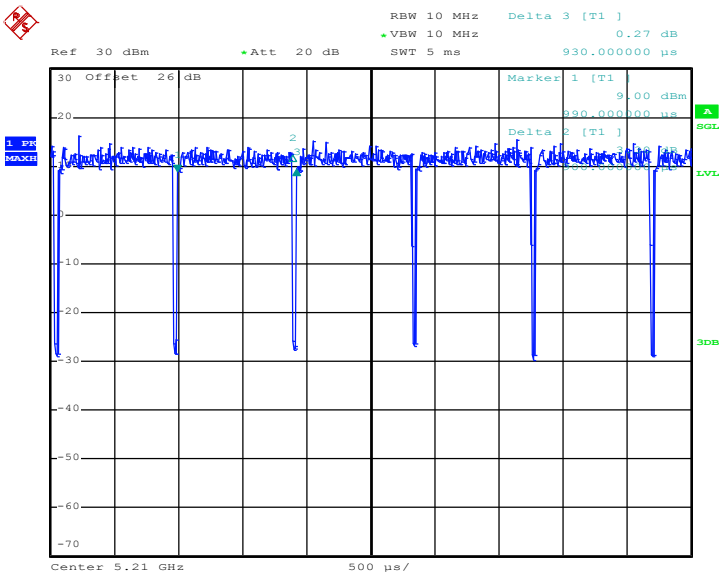
Date: 7.NOV.2016 23:04:02

802.11ac VHT40



Date: 7.NOV.2016 23:16:05

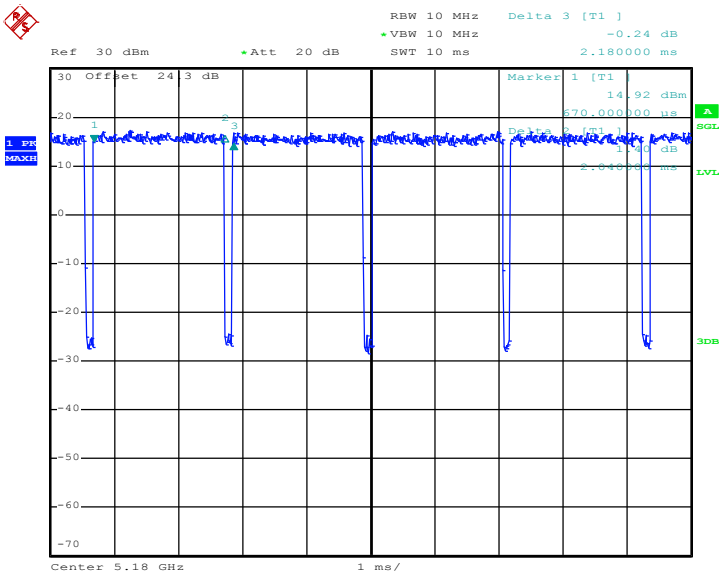
802.11ac VHT80



Date: 15.NOV.2016 18:31:11

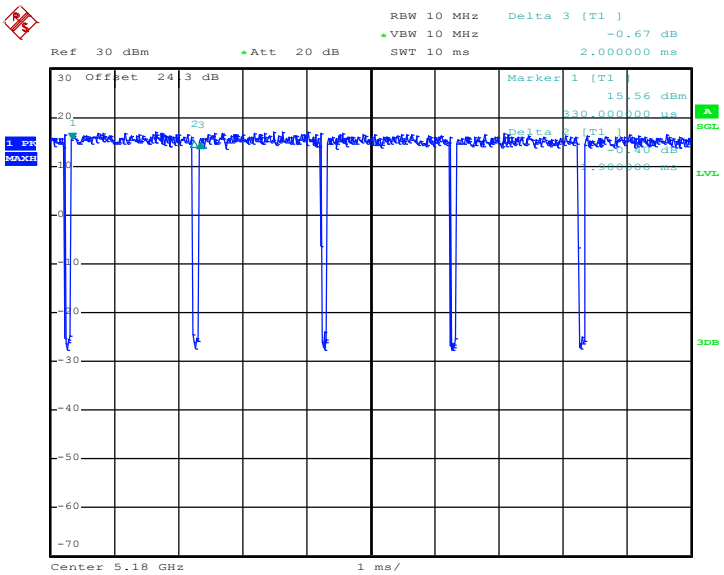
<Ant. 2>

802.11a



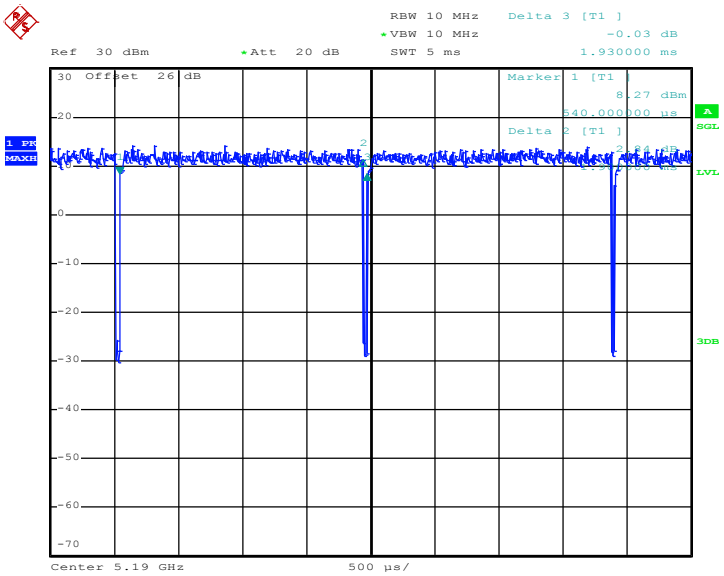
Date: 4.NOV.2016 08:34:13

802.11n HT20



Date: 4.NOV.2016 08:38:41

802.11n HT40



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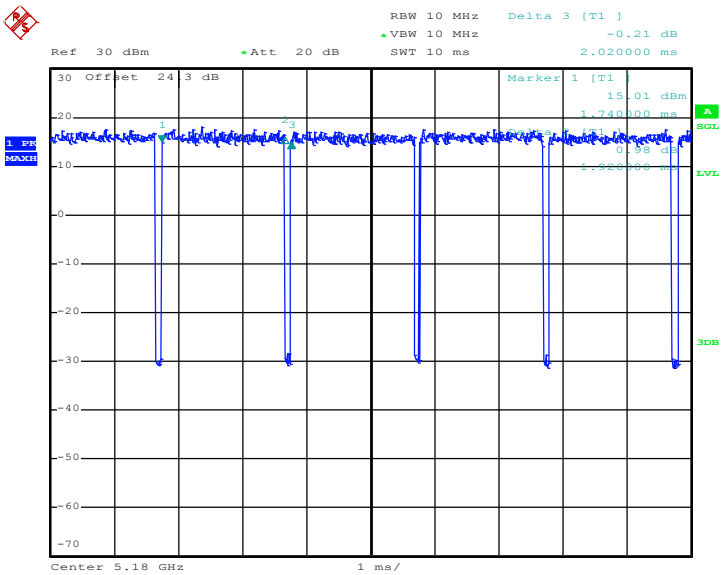

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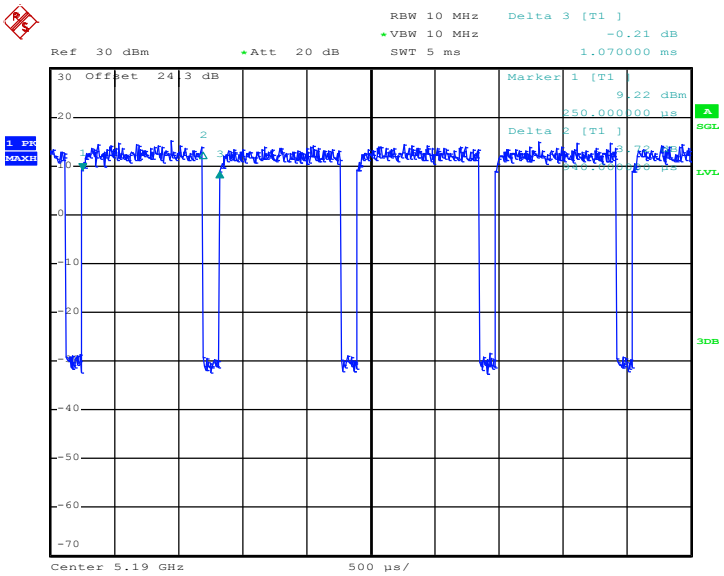
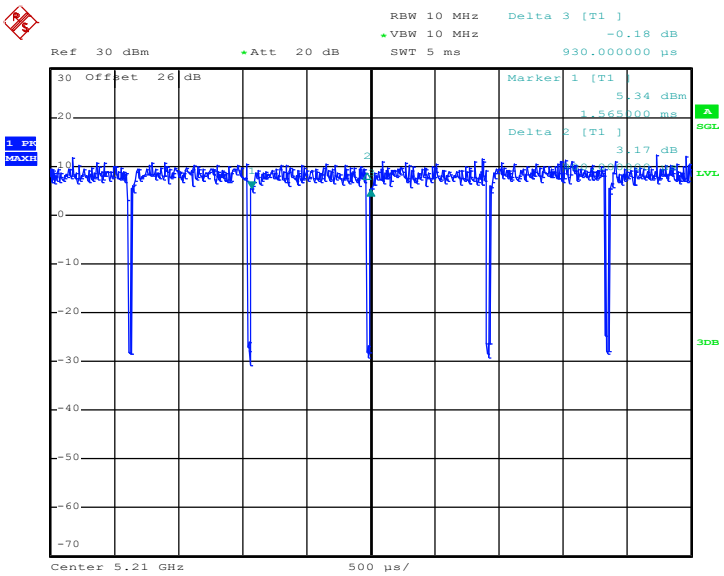
802.11ac VHT40



Date: 7.NOV.2016 23:17:59

802.11ac VHT80



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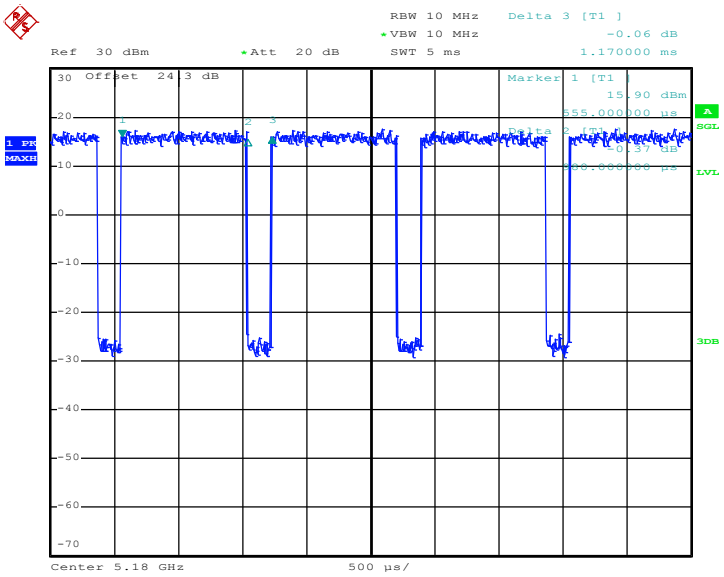
802.11n HT20



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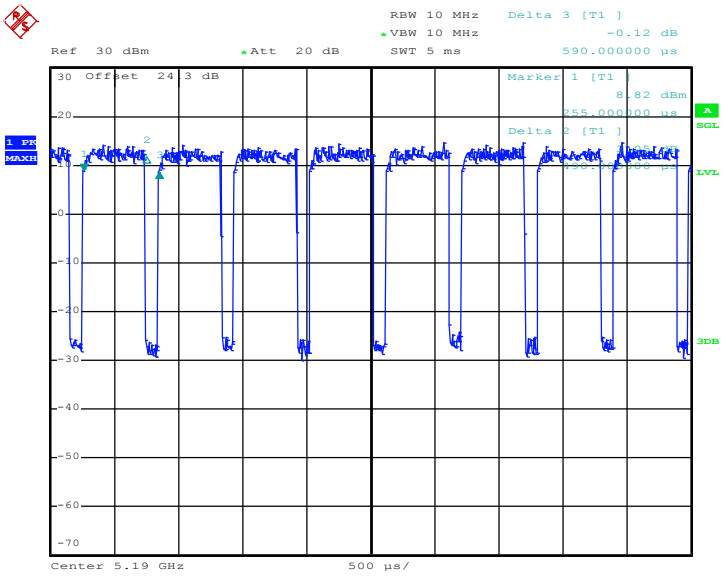
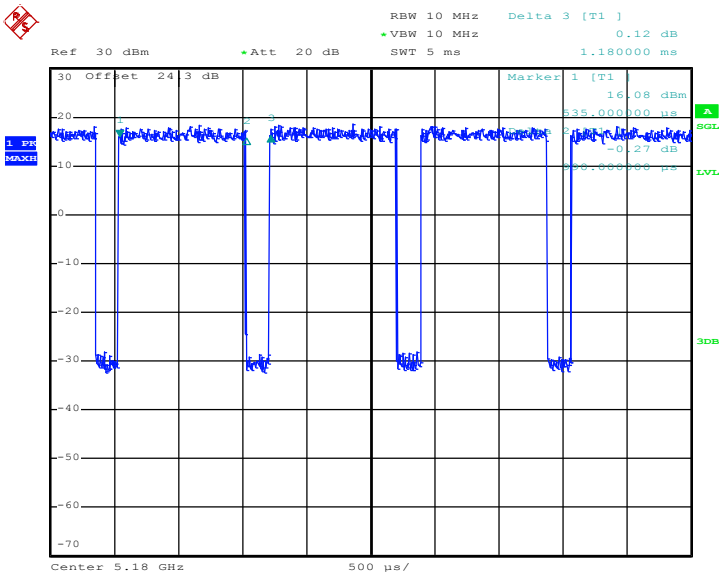
802.11n HT40



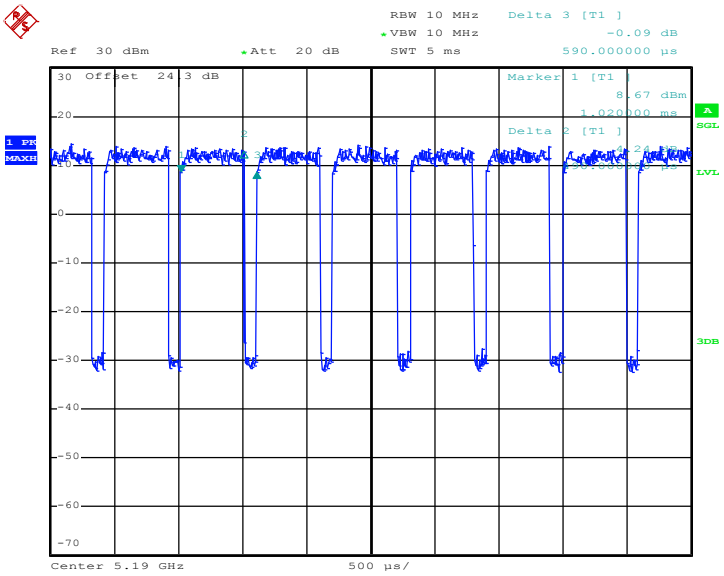
Date: 4.NOV.2016 08:45:12

802.11ac VHT20



Date: 7.NOV.2016 23:11:28

802.11ac VHT40



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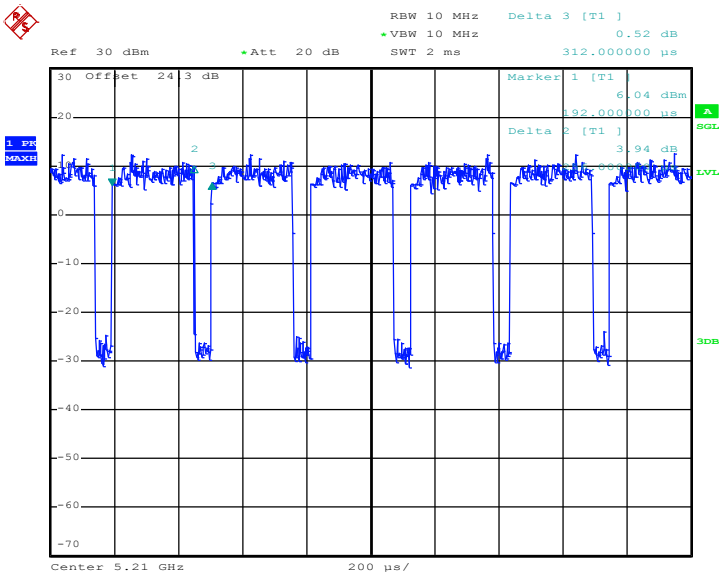
802.11ac VHT80



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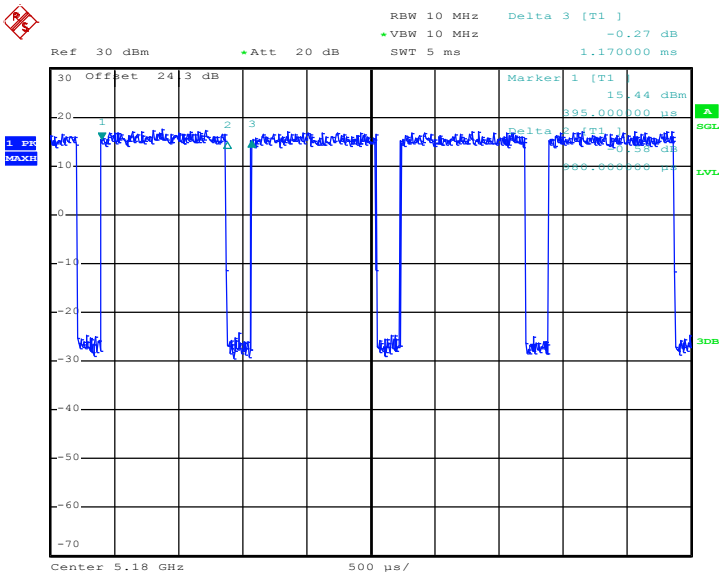
802.11n HT20



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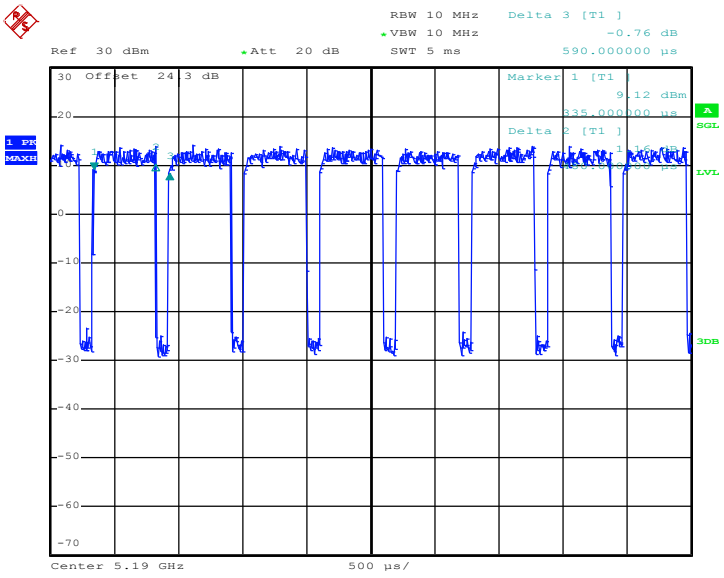
802.11n HT40



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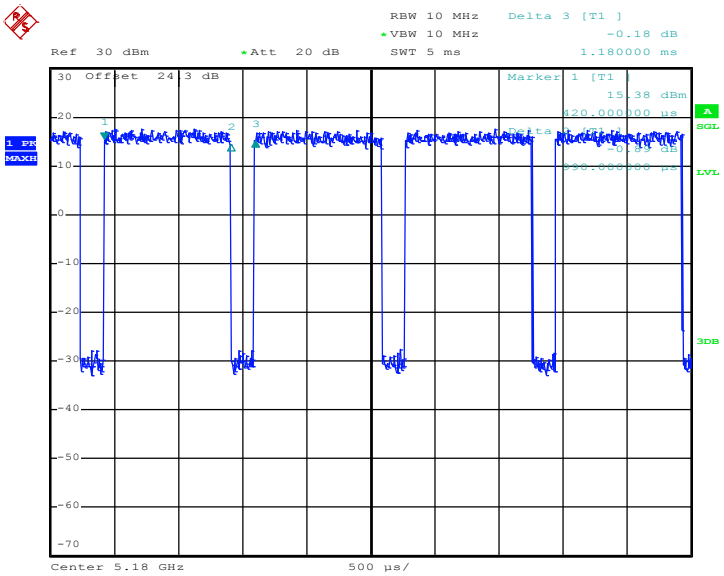
802.11ac VHT20



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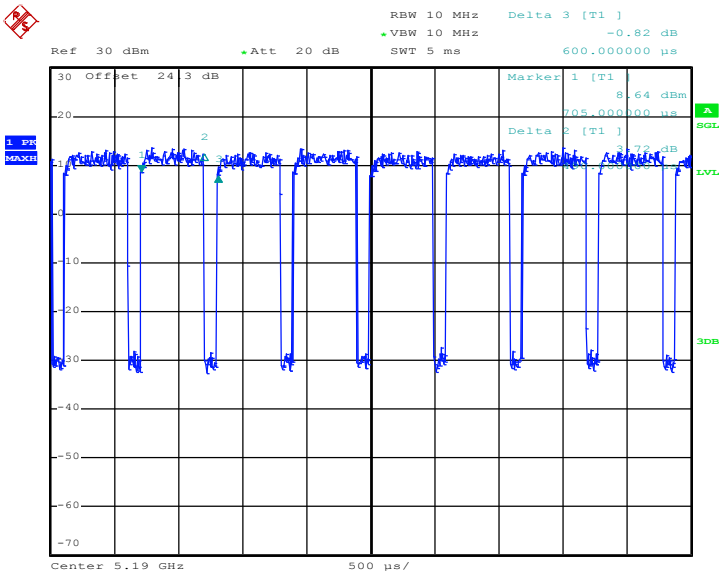
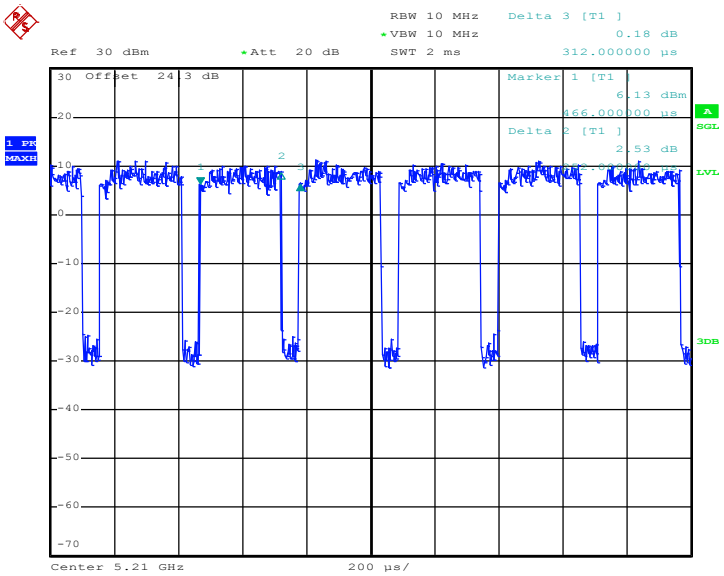
802.11ac VHT40



Date: 7.NOV.2016 23:19:42

802.11ac VHT80



Date: 4.NOV.2016 08:47:02