FCC RADIO TEST REPORT

FCC ID	:	**UZ7CC6000**
Equipment	:	**Customer Concierge**
Brand Name	:	**ZEBRA**
Model name	:	**CC6000**
Applicant	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Manufacturer	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jan. 11, 2019 and testing was started from Jan. 17, 2019 and completed on Mar. 12, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Jones Tsai

Approved by: Jones Tsai

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR911104F	01	Initial issue of report	Mar. 26, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403 (i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407 (a)	Maximum Conducted Output Power	Pass	-
3.3	15.407 (a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 3.11 dB at 141.240 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 6.16 dB at 0.562 MHz
3.6	15.407 (c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 & 15.407 (a)	Antenna Requirement	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Fish Liu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Customer Concierge
Brand Name	ZEBRA
Model Name	CC6000
FCC ID	UZ7CC6000
EUT supports Radios application	NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	DV
SW Version	01-15-05.00.OG-U00-PRD
FW Version	FUSION_QA_2_1.4.0.002_O
MFD	21DEC18
EUT Stage	Engineering Sample

Remark: The above EUT's information was declared by manufacturer.

<Sample Information>

	Sample 1	Sample 2	Sample 3
Component Category	CC6000 Landscape Display with Camera	CC6000 Landscape Display, No Camera	CC6000 Portrait Display with Camera
Data capture options	SE4710	SE4710	SE4710
Camera	Front Facing ≥5 Mp	None	Front Facing ≥5 Mp

Supported Unit Used in Test Configuration and System				
AC Adapter	**Brand Name**	ZEBRA	**Part Number**	PWR-BUA5V16W0WW
DC Cable	**Brand Name**	ZEBRA	**Part Number**	CBL-DC-383A1-01
AC Cable	**Brand Name**	ZEBRA	**Part Number**	50-16000-182R
POE	**Brand Name**	Microsemi	**Model Number**	PD-9501GR/AC

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	5745 MHz ~ 5825 MHz
Maximum Output Power <CDD Mode>	**<Ant. 1>** 802.11a : 20.80 dBm / 0.1202 W 802.11n HT20 : 20.70 dBm / 0.1175 W 802.11n HT40 : 21.00 dBm / 0.1259 W 802.11ac VHT20: 20.60 dBm / 0.1148 W 802.11ac VHT40: 20.90 dBm / 0.1230 W 802.11ac VHT80: 20.80 dBm / 0.1202 W **<Ant. 2>** 802.11a : 20.90 dBm / 0.1230 W 802.11n HT20 : 20.80 dBm / 0.1202 W 802.11n HT40 : 21.00 dBm / 0.1259 W 802.11ac VHT20: 20.70 dBm / 0.1175 W 802.11ac VHT40: 20.90 dBm / 0.1230 W 802.11ac VHT80: 20.80 dBm / 0.1202 W **MIMO <Ant. 1 + 2>** 802.11a : 23.41 dBm / 0.2193 W 802.11n HT20 : 23.71 dBm / 0.2350 W 802.11n HT40 : 24.06 dBm / 0.2547 W 802.11ac VHT20: 23.61 dBm / 0.2296 W 802.11ac VHT40: 23.96 dBm / 0.2489 W 802.11ac VHT80: 23.76 dBm / 0.2377 W
Maximum Output Power <TXBF Mode>	**MIMO <Ant. 1 + 2>** 802.11ac VHT20: 22.47 dBm / 0.1766 W 802.11ac VHT40: 22.85 dBm / 0.1928 W 802.11ac VHT80: 22.36 dBm / 0.1722 W
99% Occupied Bandwidth <CDD Mode>	**<Ant. 1>** 802.11a : 16.85 MHz 802.11n HT20 : 18.05 MHz 802.11n HT40 : 36.70 MHz 802.11ac VHT80 : 76.92 MHz **<Ant. 2>** 802.11a : 16.95 MHz 802.11n HT20 : 18.05 MHz 802.11n HT40 : 36.70 MHz 802.11ac VHT80 : 76.92 MHz **MIMO <Ant. 1>** 802.11a : 16.85 MHz 802.11n HT20 : 18.00 MHz 802.11n HT40 : 36.80 MHz 802.11ac VHT80 : 77.04 MHz **MIMO <Ant. 2>** 802.11a : 16.85 MHz 802.11n HT20 : 18.20 MHz 802.11n HT40 : 36.90 MHz 802.11ac VHT80 : 76.92 MHz

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Mode></td><td>MIMO <Ant. 1>
802.11ac VHT20 : 17.70 MHz
802.11ac VHT40 : 36.50 MHz
802.11ac VHT80 : 76.92 MHz
MIMO <Ant. 2>
802.11ac VHT20 : 18.80 MHz
802.11ac VHT40 : 36.70 MHz
802.11ac VHT80 : 76.80 MHz</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 4.7 dBi
<Ant. 2> : PIFA Antenna with gain 5.2 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 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 ac TXBF</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.

1.3 Modification of EUT

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

1.4 Testing Location

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH13-HY

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

FCC Designation No. TW1190 and TW0007

1.5 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X Plane for Ant. 2 and TXBF Mode, Y Plane for Ant. 1 and Ant. 1+2) were recorded in this report.

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
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 modes are considering the modulation and worse data rates as below table.

Single Mode

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

MIMO Mode

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

TXBF Mode

Modulation	Data Rate
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + Scanner + USB (3.1/Type C) Data Link with Notebook (Notebook to eMMC) + USB (2.0/Type A) USB Flash Drive Load + USB (2.0/Type A) USB Flash Drive Load + POE + LAN Link with AP + Headset for Sample 1

Remark:

1. Data Linking with Notebook means data application transferred mode between EUT and Notebook.
2. For Radiated Test Cases, the tests were performed with Sample 1.

Ch. #		Band IV：5725-5850 MHz			
		802.11a	802.11n HT20	802.11n HT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

<CDD Mode>

<Ant. 1>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) 6M	channel	Data Rate (bps) 9M	12M	18M	24M	36M	48M	54M
CH 149	5745	20.30	CH 165	20.70	20.70	20.40	20.70	20.60	20.70	20.60
CH 157	5785	20.70								
CH 165	5825	**20.80**								

802.11n HT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 149	5745	**20.70**	CH 149	20.60	20.40	20.30	20.20	20.60	20.60	20.60
CH 157	5785	20.60								
CH 165	5825	20.60								

802.11n HT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 151	5755	**21.00**	CH 151	20.90	20.90	20.80	20.60	20.60	20.60	20.50
CH 159	5795	20.90								

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 149	5745	**20.60**	CH 149	20.50	20.30	20.20	20.10	20.50	20.50	20.50	20.50
CH 157	5785	20.50									
CH 165	5825	20.50									

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 151	5755	**20.90**	CH 151	20.80	20.80	20.70	20.50	20.50	20.50	20.40	20.40	20.40
CH 159	5795	20.80										

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH155	5775	**20.80**	CH155	20.70	20.70	20.70	20.20	20.30	20.10	20.20	20.10	20.20

<Ant. 2>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) 6M	channel	Data Rate (bps) 9M	12M	18M	24M	36M	48M	54M
CH 149	5745	20.30	CH 157	20.80	20.80	20.50	20.80	20.60	20.70	20.70
CH 157	5785	**20.90**								
CH 165	5825	20.50								

802.11n HT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 149	5745	20.70	CH 157	20.70	20.50	20.40	20.30	20.70	20.70	20.70
CH 157	5785	**20.80**								
CH 165	5825	20.30								

802.11n HT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 151	5755	**21.00**	CH 151	20.90	20.90	20.80	20.60	20.60	20.60	20.50
CH 159	5795	20.90								

802.11ac VHT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 149	5745	20.60	CH 157	20.60	20.40	20.30	20.20	20.60	20.60	20.60	20.60
CH 157	5785	**20.70**									
CH 165	5825	20.20									

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 151	5755	20.80	CH 159	20.80	20.80	20.70	20.50	20.50	20.50	20.40	20.40	20.40
CH 159	5795	**20.90**										

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH155	5775	**20.80**	CH155	20.70	20.70	20.70	20.20	20.30	20.10	20.20	20.10	20.20

MIMO <Ant. 1 + 2>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) 6M	channel	Data Rate (bps) 9M	12M	18M	24M	36M	48M	54M
CH 149	5745	23.31	CH 165	23.31	23.36	23.01	23.36	23.26	23.31	23.26
CH 157	5785	22.01								
CH 165	5825	**23.41**								

802.11n HT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 149	5745	23.66	CH 165	23.61	23.41	23.31	23.21	23.61	23.61	23.61
CH 157	5785	21.36								
CH 165	5825	**23.71**								

802.11n HT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 151	5755	24.01	CH 159	23.96	23.96	23.86	23.66	23.66	23.66	23.56
CH 159	5795	**24.06**								

802.11ac VHT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 149	5745	23.56	CH 165	23.51	23.31	23.21	23.11	23.51	23.51	23.51	23.51
CH 157	5785	21.26									
CH 165	5825	**23.61**									

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 151	5755	23.91	CH 159	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44
CH 159	5795	**23.96**										

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH155	5775	**23.76**	CH155	23.66	23.66	23.66	23.16	23.26	23.06	23.16	23.06	23.16

<TXBF Mode>

MIMO <Ant. 1 + 2>

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 149	5745	22.37	CH 157	22.37	22.17	22.07	21.97	22.37	22.37	22.37	22.37
CH 157	5785	**22.47**									
CH 165	5825	22.42									

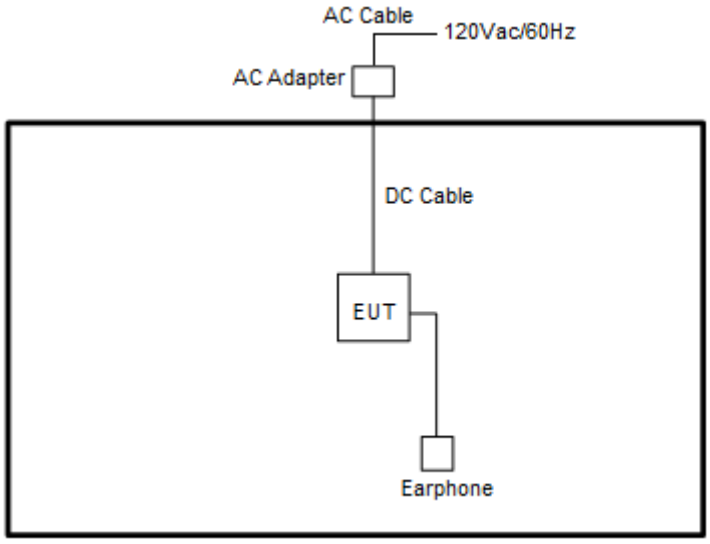
802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 151	5755	22.77	CH 159	22.42	22.54	22.54	22.54	22.54	22.54	22.54	22.54	22.54
CH 159	5795	**22.85**										

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH155	5775	**22.36**	CH155	22.26	22.26	22.26	21.76	21.86	21.66	21.76	21.66	21.76

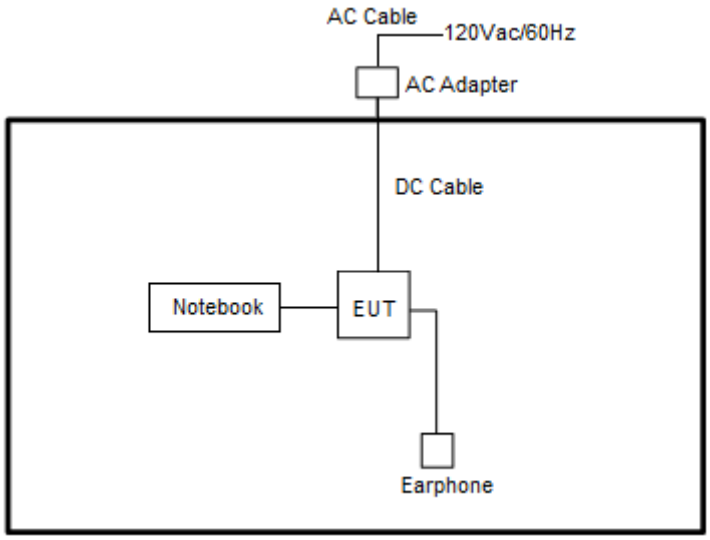
2.3 Connection Diagram of Test System

<Radiated Emission Mode>

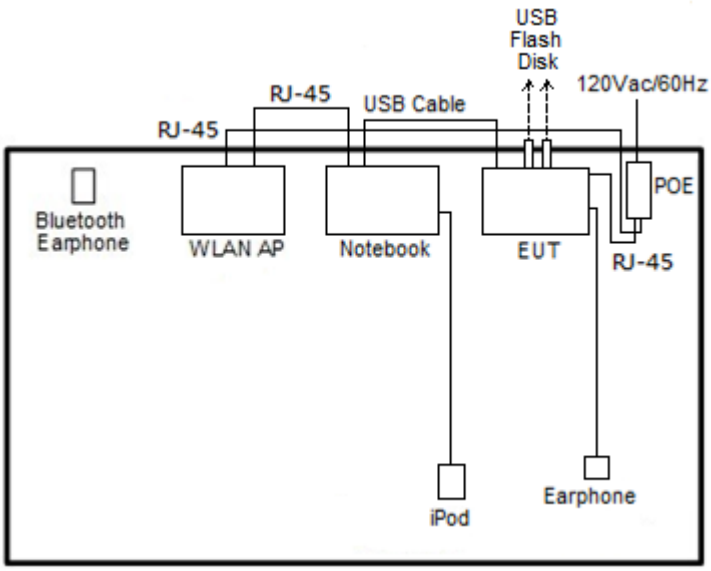
<CDD Mode>



<TXBF Mode>



<AC Conducted Emission>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	ASUS	P2430U	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	USB Flash Drive	TOSHIBA	TOSHIBA 32G	FCC DoC	N/A	N/A
4.	USB Flash Drive	SanDisk	Cruzer Glide 3.0 16G	FCC DoC	NA	N/A
5.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
6.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
7.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
8.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
9.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

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

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “ADB” software tool was used to enable the EUT to transmit signals continuously.

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 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

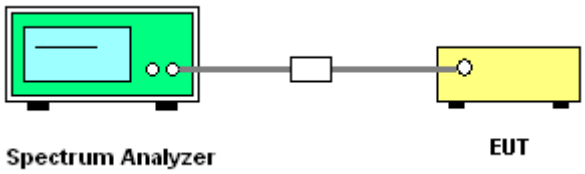
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85GHz
2. Set RBW = 100kHz.
3. Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup



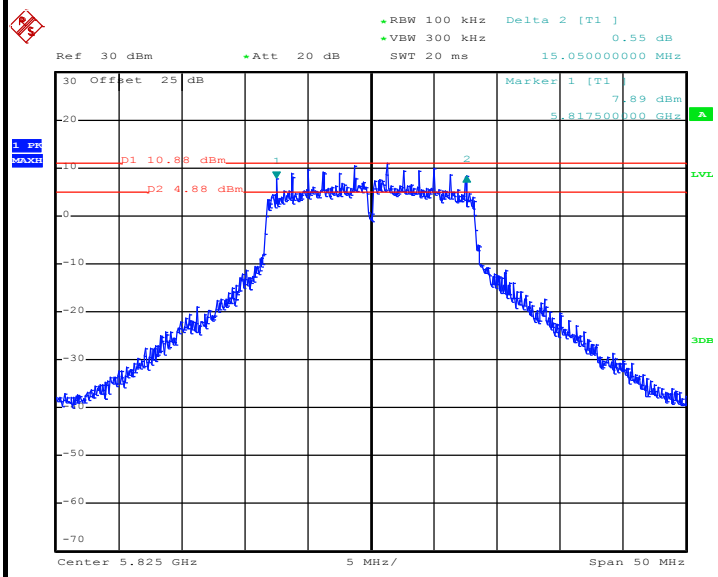
3.1.5 Test Result of 6dB Bandwidth

Test Engineer :	Tommy Lee, Allen Lin, and Kai Liao	Temperature :	21~25°C
		Relative Humidity :	51~54%

<CDD Mode>

Band IV												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	149	5745	16.80	16.75	26.25	25.40	15.60	15.30	0.5	Pass
11a	6Mbps	1	157	5785	16.85	16.95	25.75	26.75	15.30	15.10	0.5	Pass
11a	6Mbps	1	165	5825	16.85	16.90	25.30	25.80	15.10	15.30	0.5	Pass
HT20	MCS0	1	149	5745	18.05	18.00	28.40	28.00	15.10	16.75	0.5	Pass
HT20	MCS0	1	157	5785	17.90	18.05	27.45	28.40	16.70	15.10	0.5	Pass
HT20	MCS0	1	165	5825	17.90	17.95	26.65	27.10	16.50	16.75	0.5	Pass
HT40	MCS0	1	151	5755	36.70	36.60	42.04	41.76	35.10	35.10	0.5	Pass
HT40	MCS0	1	159	5795	36.70	36.70	41.94	42.12	35.63	34.97	0.5	Pass
VHT80	MCS0	1	155	5775	76.92	76.92	85.94	87.68	75.20	73.92	0.5	Pass
11a	6Mbps	2	149	5745	16.85	16.85	25.90	25.80	15.70	15.10	0.5	Pass
11a	6Mbps	2	157	5785	16.75	16.75	24.55	24.70	15.30	15.60	0.5	Pass
11a	6Mbps	2	165	5825	16.85	16.85	25.30	26.55	15.05	15.10	0.5	Pass
HT20	MCS0	2	149	5745	18.00	18.05	28.60	27.00	16.50	16.55	0.5	Pass
HT20	MCS0	2	157	5785	17.80	17.85	25.85	25.20	16.55	16.55	0.5	Pass
HT20	MCS0	2	165	5825	17.95	18.20	27.90	29.15	15.10	16.05	0.5	Pass
HT40	MCS0	2	151	5755	36.60	36.80	42.00	42.56	35.10	35.11	0.5	Pass
HT40	MCS0	2	159	5795	36.80	36.90	42.06	51.22	35.10	36.16	0.5	Pass
VHT80	MCS0	2	155	5775	77.04	76.92	83.20	97.72	75.20	75.04	0.5	Pass

Minimum 6dB Bandwidth



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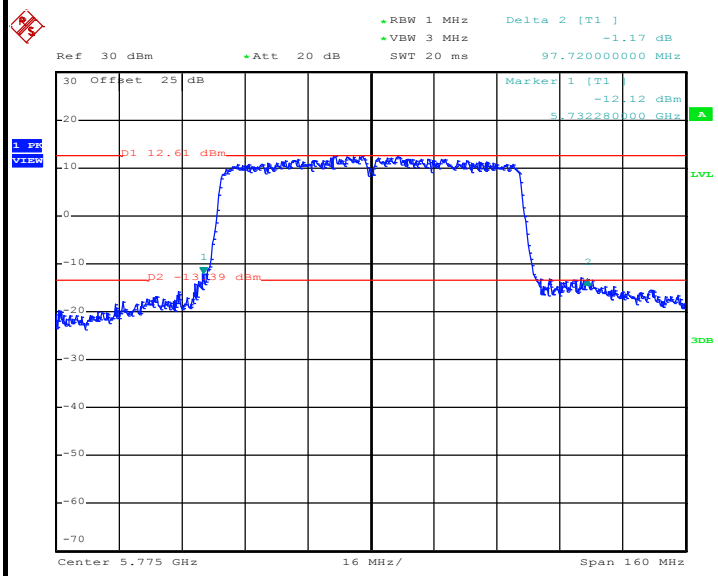
Maximum 26dB Bandwidth



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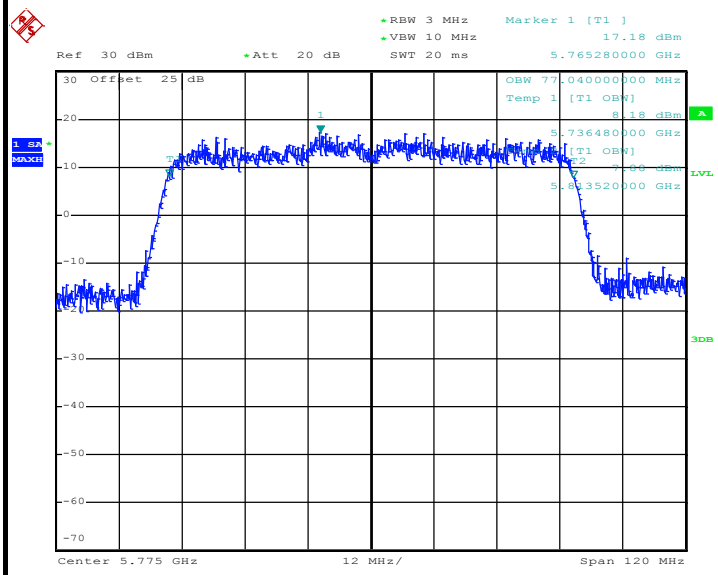
Maximum 99% Occupied Bandwidth

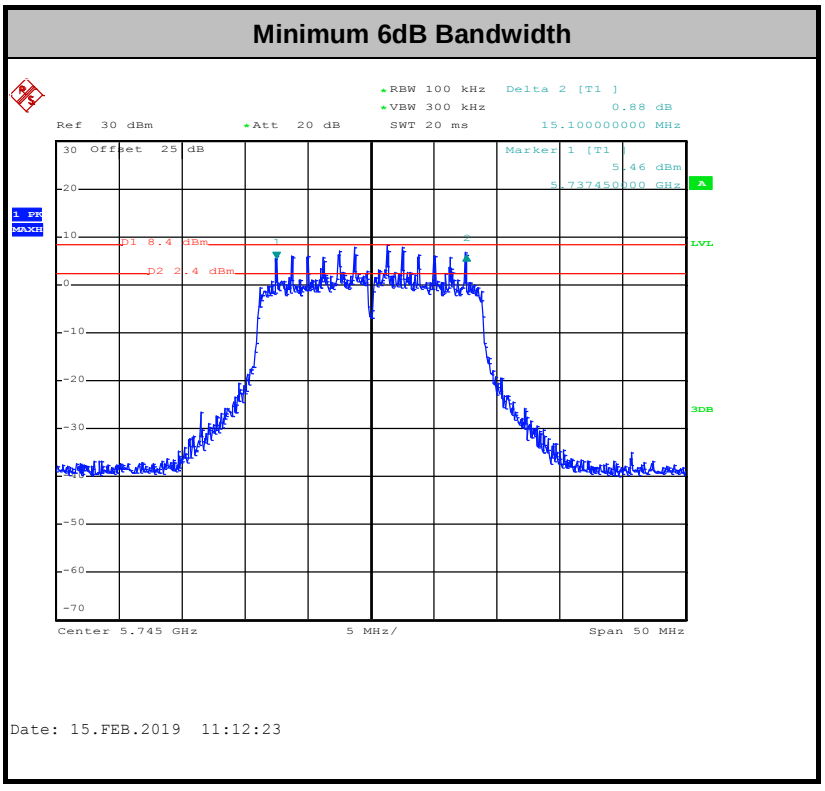


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

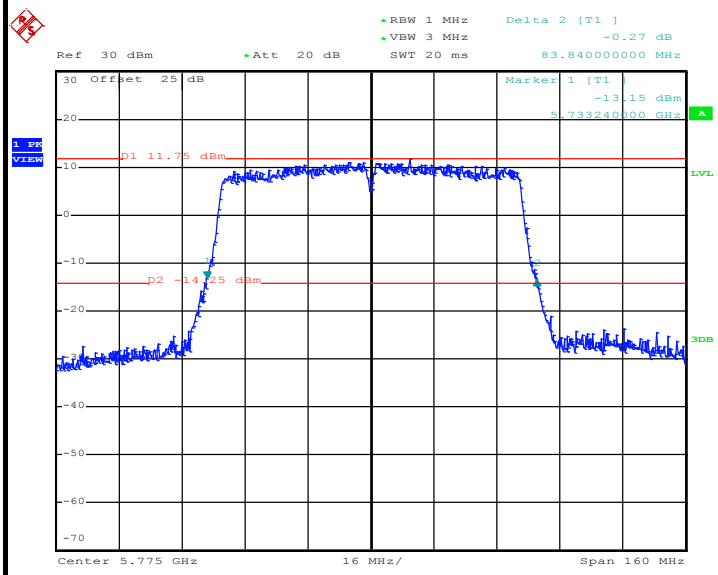
<TXBF Mode>

Band IV													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	149	5745	17.65	18.65	23.20	27.00	15.10	17.50	0.5	Pass
VHT20	MCS0	2	157	5785	17.70	18.80	23.35	28.80	15.10	17.55	0.5	Pass
VHT20	MCS0	2	165	5825	17.65	18.60	23.20	27.65	15.10	17.50	0.5	Pass
VHT40	MCS0	2	151	5755	36.50	36.70	41.83	42.92	35.82	36.17	0.5	Pass
VHT40	MCS0	2	159	5795	36.50	36.70	42.12	42.66	35.10	36.36	0.5	Pass
VHT80	MCS0	2	155	5775	76.92	76.80	82.24	83.84	75.00	74.24	0.5	Pass

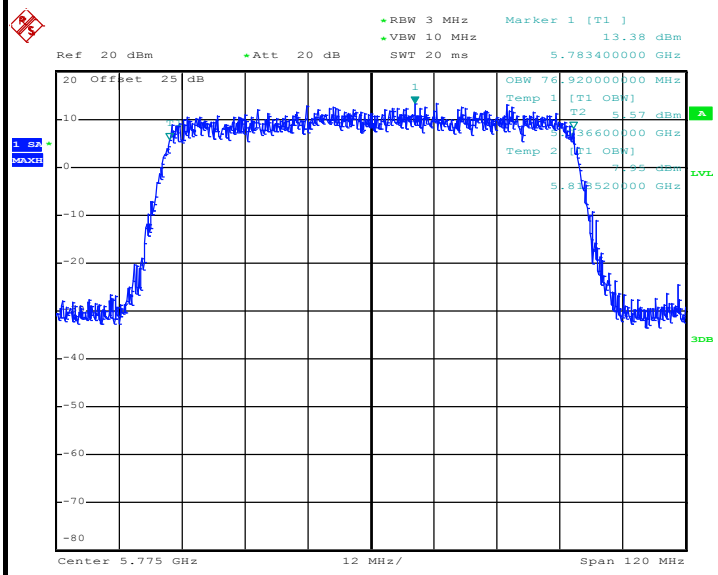
Minimum 6dB Bandwidth



Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

<CDD Mode>

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

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

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

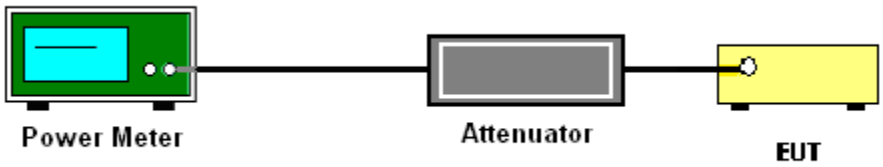
<TXBF Mode>

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Test Engineer :	Tommy Lee, Allen Lin, and Kai Liao	Temperature :	21~25°C
		Relative Humidity :	51~54%

<CDD Mode>

Band IV												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	20.30	20.30		30.00	30.00	4.70	5.20	Pass
11a	6Mbps	1	157	5785	20.70	20.90		30.00	30.00	4.70	5.20	Pass
11a	6Mbps	1	165	5825	20.80	20.50		30.00	30.00	4.70	5.20	Pass
HT20	MCS0	1	149	5745	20.70	20.70		30.00	30.00	4.70	5.20	Pass
HT20	MCS0	1	157	5785	20.60	20.80		30.00	30.00	4.70	5.20	Pass
HT20	MCS0	1	165	5825	20.60	20.30		30.00	30.00	4.70	5.20	Pass
HT40	MCS0	1	151	5755	21.00	21.00		30.00	30.00	4.70	5.20	Pass
HT40	MCS0	1	159	5795	20.90	20.90		30.00	30.00	4.70	5.20	Pass
VHT20	MCS0	1	149	5745	20.60	20.60		30.00	30.00	4.70	5.20	Pass
VHT20	MCS0	1	157	5785	20.50	20.70		30.00	30.00	4.70	5.20	Pass
VHT20	MCS0	1	165	5825	20.50	20.20		30.00	30.00	4.70	5.20	Pass
VHT40	MCS0	1	151	5755	20.90	20.80		30.00	30.00	4.70	5.20	Pass
VHT40	MCS0	1	159	5795	20.80	20.90		30.00	30.00	4.70	5.20	Pass
VHT80	MCS0	1	155	5775	20.80	20.80		30.00	30.00	4.70	5.20	Pass

Band IV												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	20.30	20.30	23.31	30.00		5.20		Pass
11a	6Mbps	2	157	5785	18.90	19.10	22.01	30.00		5.20		Pass
11a	6Mbps	2	165	5825	20.30	20.50	23.41	30.00		5.20		Pass
HT20	MCS0	2	149	5745	20.60	20.70	23.66	30.00		5.20		Pass
HT20	MCS0	2	157	5785	18.20	18.50	21.36	30.00		5.20		Pass
HT20	MCS0	2	165	5825	20.50	20.90	23.71	30.00		5.20		Pass
HT40	MCS0	2	151	5755	21.10	20.90	24.01	30.00		5.20		Pass
HT40	MCS0	2	159	5795	21.00	21.10	24.06	30.00		5.20		Pass
VHT20	MCS0	2	149	5745	20.50	20.60	23.56	30.00		5.20		Pass
VHT20	MCS0	2	157	5785	18.10	18.40	21.26	30.00		5.20		Pass
VHT20	MCS0	2	165	5825	20.40	20.80	23.61	30.00		5.20		Pass
VHT40	MCS0	2	151	5755	21.00	20.80	23.91	30.00		5.20		Pass
VHT40	MCS0	2	159	5795	20.90	21.00	23.96	30.00		5.20		Pass
VHT80	MCS0	2	155	5775	20.80	20.70	23.76	30.00		5.20		Pass

<TXBF Mode>

Band IV												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	149	5745	18.60	20.00	22.37	28.04		7.96		Pass
VHT20	MCS0	2	157	5785	18.70	20.10	22.47	28.04		7.96		Pass
VHT20	MCS0	2	165	5825	18.60	20.10	22.42	28.04		7.96		Pass
VHT40	MCS0	2	151	5755	19.50	20.00	22.77	28.04		7.96		Pass
VHT40	MCS0	2	159	5795	19.20	20.40	22.85	28.04		7.96		Pass
VHT80	MCS0	2	155	5775	19.20	19.50	22.36	28.04		7.96		Pass

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

<CDD Mode>

 # Method SA-2 #

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

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW ≥ 1 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(500kHz/RBW) to the test result.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

<TXBF Mode>

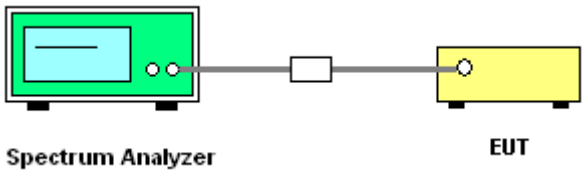
 # Method SA-3 #

(power averaging (rms) detection with max hold):

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW ≥ 1 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × 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.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
   Method (c): Measure and add 10 log(N_{ANT}) dB.
   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log(N_{ANT}) dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}$ th of the PSD limit.

3.3.4 Test Setup



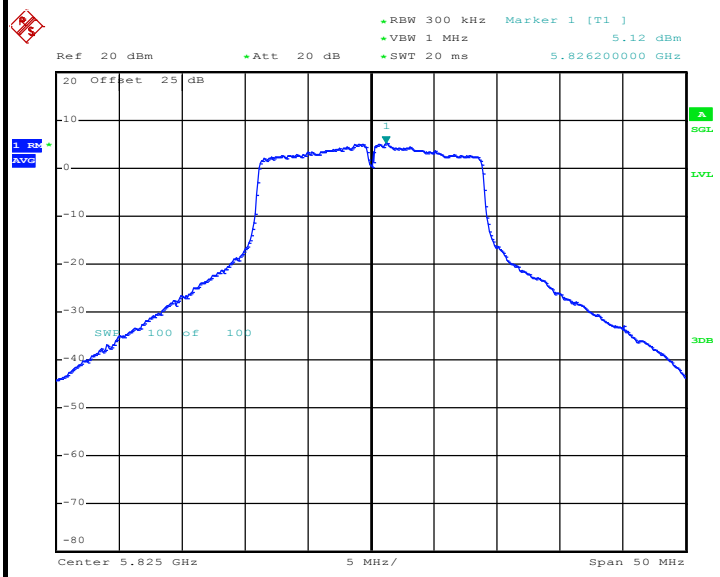
3.3.5 Test Result of Power Spectral Density

Test Engineer :	Tommy Lee, Allen Lin, and Kai Liao	Temperature :	21~25°C
		Relative Humidity :	51~54%

<CDD Mode>

Band IV																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	0.19	0.18	-	2.22	-	7.13		-	30.00	4.70	5.20	Pass
11a	6Mbps	1	157	5785	0.19	0.18	2.22	2.22	7.88	7.84		30.00	30.00	4.70	5.20	Pass
11a	6Mbps	1	165	5825	0.19	0.18	2.22	2.22	7.65	7.24		30.00	30.00	4.70	5.20	Pass
HT20	MCS0	1	149	5745	0.26	0.20	2.22	2.22	7.41	7.26		30.00	30.00	4.70	5.20	Pass
HT20	MCS0	1	157	5785	0.26	0.20	2.22	2.22	7.40	7.27		30.00	30.00	4.70	5.20	Pass
HT20	MCS0	1	165	5825	0.26	0.20	2.22	2.22	7.20	6.66		30.00	30.00	4.70	5.20	Pass
HT40	MCS0	1	151	5755	0.39	0.39	2.22	2.22	4.67	4.33		30.00	30.00	4.70	5.20	Pass
HT40	MCS0	1	159	5795	0.39	0.39	2.22	2.22	4.48	4.46		30.00	30.00	4.70	5.20	Pass
VHT80	MCS0	1	155	5775	0.70	0.65	2.22	2.22	1.29	1.57		30.00	30.00	4.70	5.20	Pass
11a	6Mbps	2	149	5745	0.17	0.16	2.22		7.18	7.27	10.28	28.04		7.96		Pass
11a	6Mbps	2	157	5785	0.17	0.16	2.22		6.07	5.77	9.08	28.04		7.96		Pass
11a	6Mbps	2	165	5825	0.17	0.16	2.22		7.48	7.19	10.49	28.04		7.96		Pass
HT20	MCS0	2	149	5745	0.20	0.20	2.22		7.27	7.34	10.35	28.04		7.96		Pass
HT20	MCS0	2	157	5785	0.20	0.20	2.22		5.21	4.82	8.22	28.04		7.96		Pass
HT20	MCS0	2	165	5825	0.20	0.20	2.22		7.54	7.51	10.55	28.04		7.96		Pass
HT40	MCS0	2	151	5755	0.39	0.43	2.22		4.12	4.55	7.56	28.04		7.96		Pass
HT40	MCS0	2	159	5795	0.39	0.43	2.22		4.64	4.35	7.65	28.04		7.96		Pass
VHT80	MCS0	2	155	5775	0.65	0.65	2.22		1.30	1.40	4.41	28.04		7.96		Pass

Worst Case Power Density (dBm/MHz) for MIMO Ant. 1



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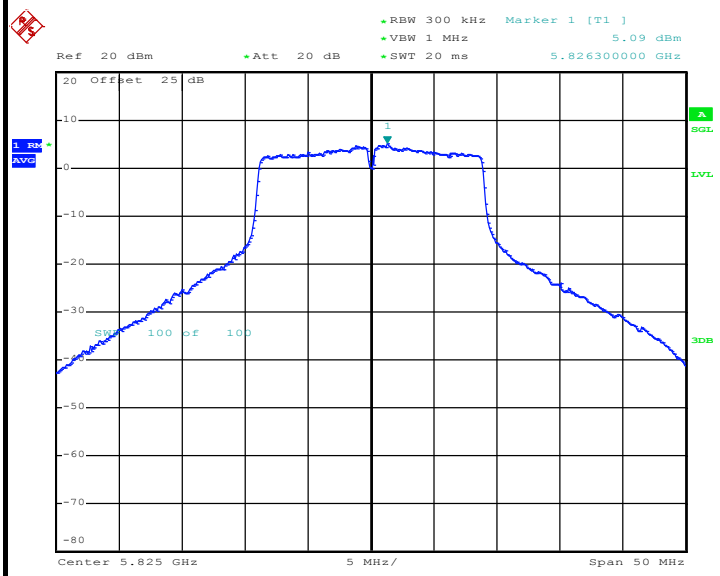
Worst Case Power Density (dBm/MHz) for MIMO Ant. 2



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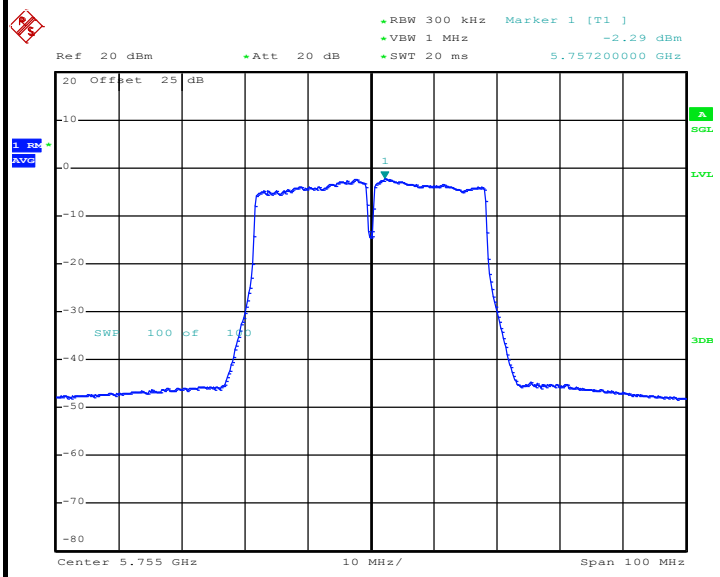
<TXBF Mode>

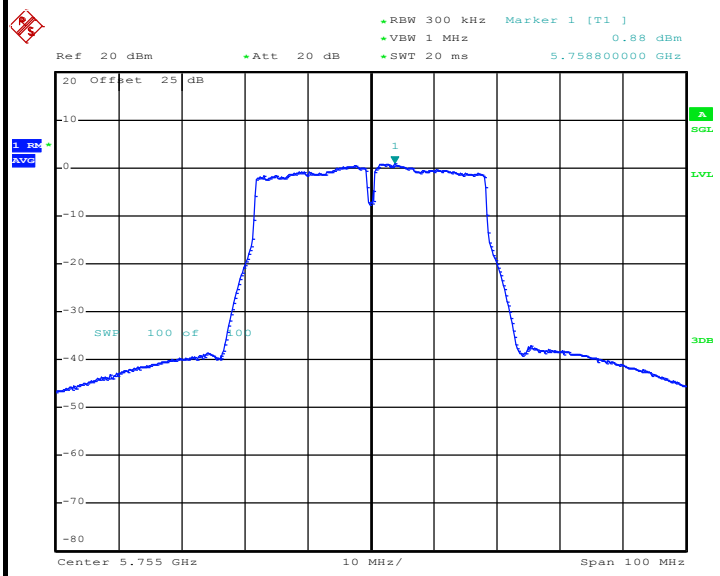
Band IV																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	149	5745	0.00	0.00	2.22		-1.83	1.39	4.40	28.04		7.96		Pass
VHT20	MCS0	2	157	5785	0.00	0.00	2.22		-2.29	1.75	4.76	28.04		7.96		Pass
VHT20	MCS0	2	165	5825	0.00	0.00	2.22		-3.03	1.63	4.64	28.04		7.96		Pass
VHT40	MCS0	2	151	5755	0.00	0.00	2.22		-0.07	3.10	6.11	28.04		7.96		Pass
VHT40	MCS0	2	159	5795	0.00	0.00	2.22		-0.30	2.77	5.78	28.04		7.96		Pass
VHT80	MCS0	2	155	5775	0.00	0.00	2.22		-5.47	-3.25	-0.24	28.04		7.96		Pass

Worst Case Power Density (dBm/MHz) for MIMO Ant. 1



Date: 15.FEB.2019 11:47:45

Worst Case Power Density (dBm/MHz) for MIMO Ant. 2



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3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 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 shall comply with the general field strength limits as below table,

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

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

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

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

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

(i) Section 15.407(b)(1) to (b)(3) specify the unwanted emission limits for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.[3]

(ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.[4]

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

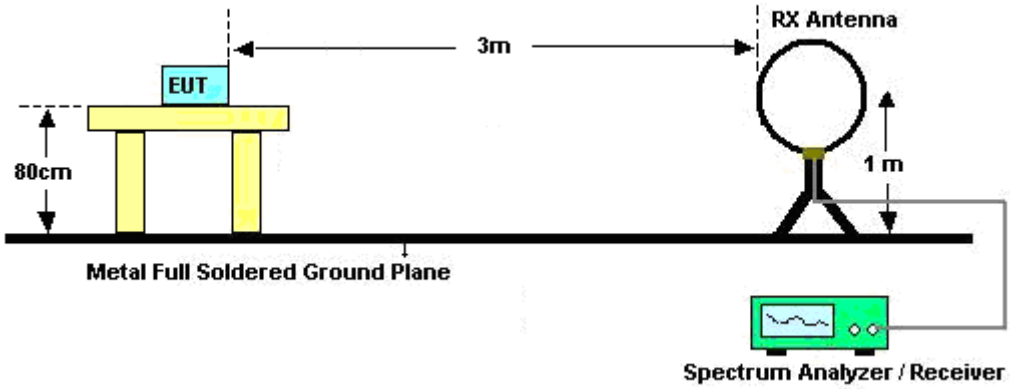
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

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

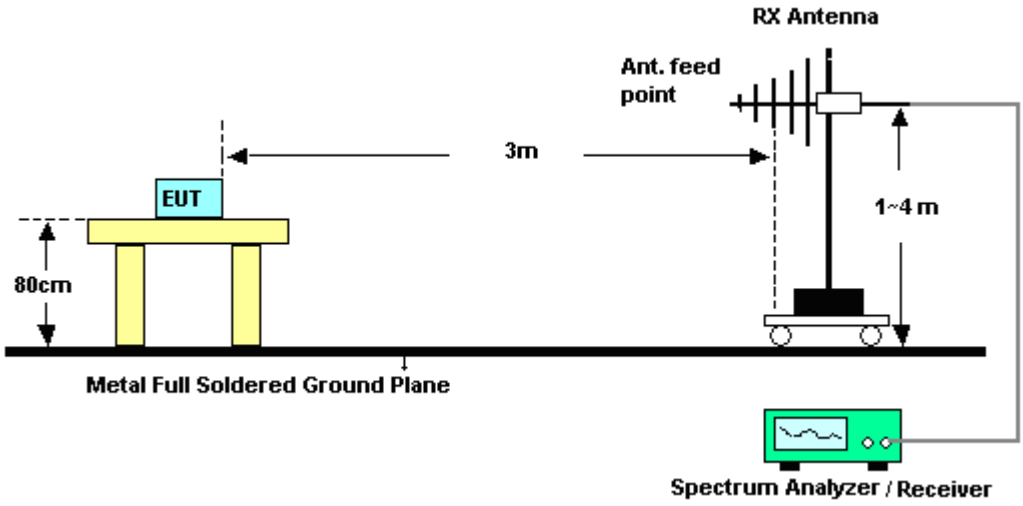
3.4.4 Test Setup

For radiated emissions below 30MHz

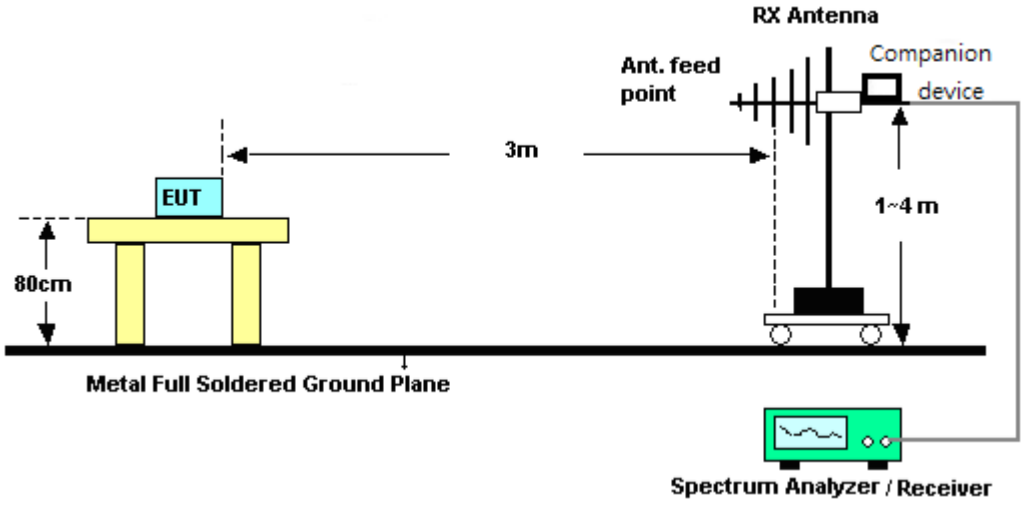


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

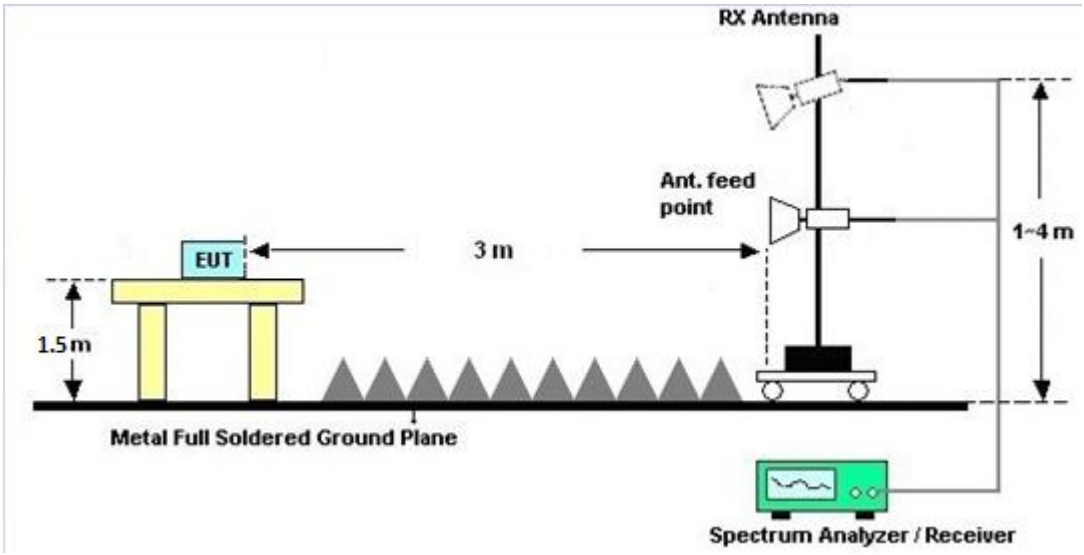


<TXBF Mode>

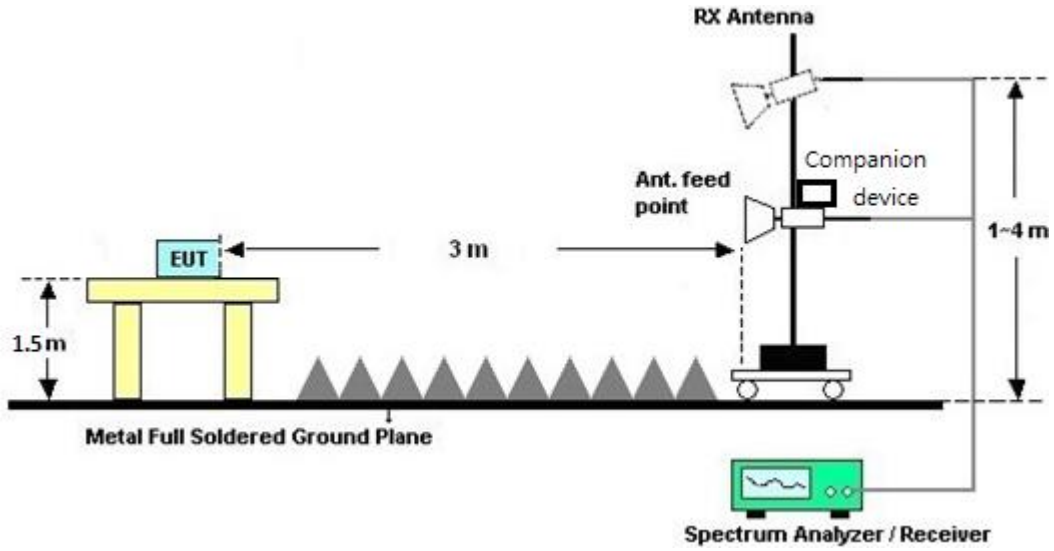


For radiated emissions above 1GHz

<CDD Mode>



<TXBF Mode>



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

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

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix B and C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix B and C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

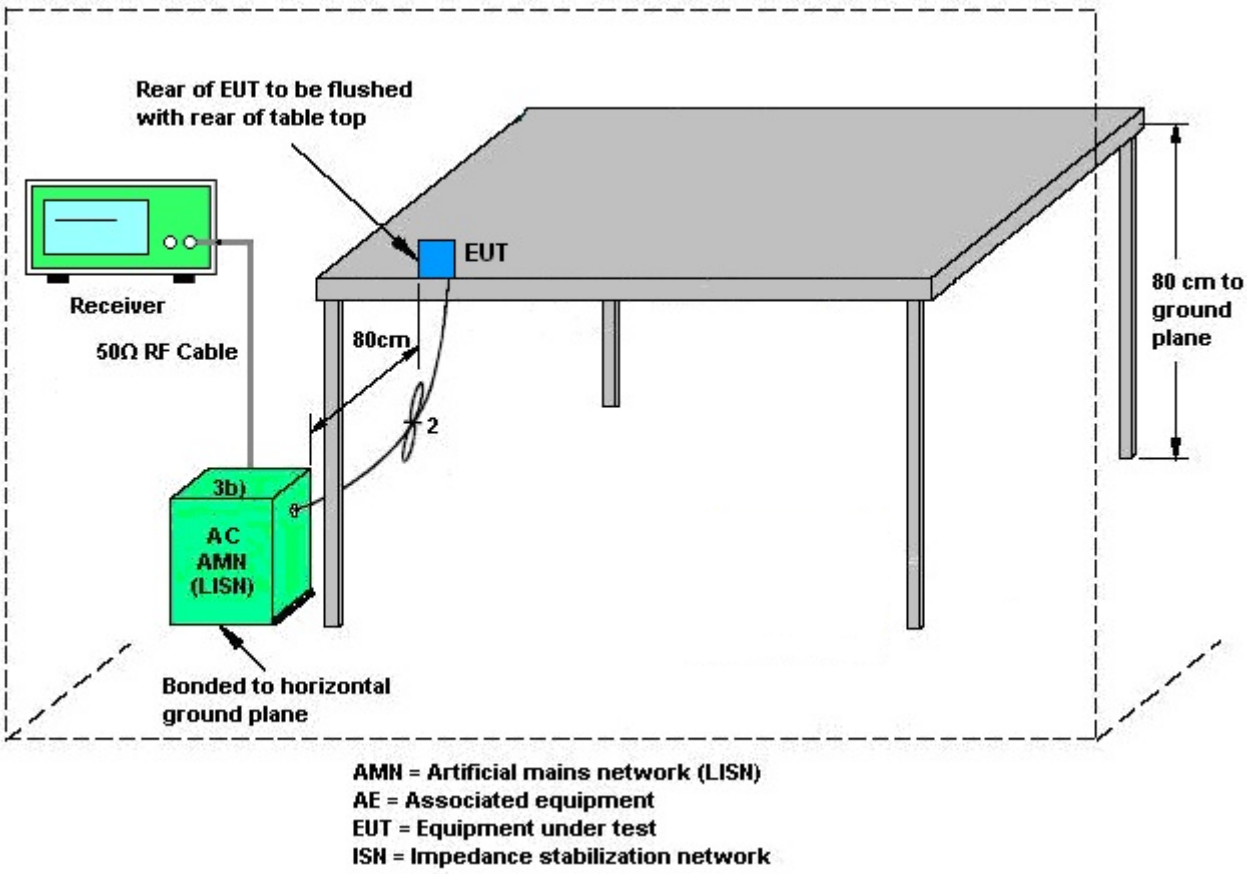
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Mode>

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

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

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

			DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant. 1 (dBi)	Ant. 2 (dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	4.70	5.20	5.20	7.96	0.00	1.96

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

The directional gain calculation is following F)2)e)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	4.70	5.20	7.96	7.96	1.96	1.96

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 20, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Feb. 20, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Feb. 20, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Feb. 20, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 20, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Feb. 20, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Feb. 20, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 11, 2019	Jan. 18, 2019~ Feb. 15, 2019	Jan. 10, 2020	Radiation (03CH13-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	Jan. 18, 2019~ Feb. 15, 2019	Jul. 15, 2019	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270078	1GHz~26.5GHz	Oct. 28, 2018	Jan. 18, 2019~ Feb. 15, 2019	Oct. 27, 2019	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	37059&01	30MHz~1GHz	Oct. 13, 2018	Jan. 18, 2019~ Feb. 15, 2019	Oct. 12, 2019	Radiation (03CH13-HY)
Filter	Woken	WHKX8-5272. 5-6750-18000-40ST	SN2	6.75G Highpass	Mar. 21, 2018	Jan. 18, 2019~ Feb. 15, 2019	Mar. 20, 2019	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 18, 2018	Jan. 18, 2019~ Feb. 15, 2019	Dec. 17, 2019	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Jun. 29, 2018	Jan. 18, 2019~ Feb. 15, 2019	Jun. 28, 2019	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 21, 2018	Jan. 18, 2019~ Feb. 15, 2019	May 20, 2019	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 15, 2018	Jan. 18, 2019~ Feb. 15, 2019	Mar. 14, 2019	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jan. 18, 2019~ Feb. 15, 2019	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jan. 18, 2019~ Feb. 15, 2019	N/A	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2018	Jan. 18, 2019~ Feb. 15, 2019	Oct. 31, 2019	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 05, 2018	Jan. 18, 2019~ Feb. 15, 2019	Dec. 04, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30M~18GHz	Mar. 14, 2018	Jan. 18, 2019~ Feb. 15, 2019	Mar. 13, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30M~40GHz	Mar. 14, 2018	Jan. 18, 2019~ Feb. 15, 2019	Mar. 13, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30M~40GHz	Mar. 14, 2018	Jan. 18, 2019~ Feb. 15, 2019	Mar. 13, 2019	Radiation (03CH13-HY)
Software	AUDIX	E3 6.2009-8-24c	RK-001124	N/A	N/A	Jan. 18, 2019~ Feb. 15, 2019	N/A	Radiation (03CH13-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
<CDD Mode>								
Power Sensor	DARE	RadiPower	15I00041SNO09	10MHz~6GHz	May 07, 2018	Jan. 17, 2019~ Mar. 06, 2019	May 06, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 21, 2018	Jan. 17, 2019~ Mar. 06, 2019	Nov. 20, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Mar. 01, 2018	Jan. 17, 2019~ Mar. 06, 2019	Feb. 28, 2019	Conducted (TH05-HY)
<TXBF Mode>								
Power Sensor	DARE	RadiPower	15I00041SNO09	10MHz~6GHz	May 07, 2018	Jan. 30, 2019~ Mar. 12, 2019	May 06, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 21, 2018	Jan. 30, 2019~ Mar. 12, 2019	Nov. 20, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Oct. 28, 2018	Jan. 30, 2019~ Mar. 12, 2019	Sep. 27, 2019	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.2

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)

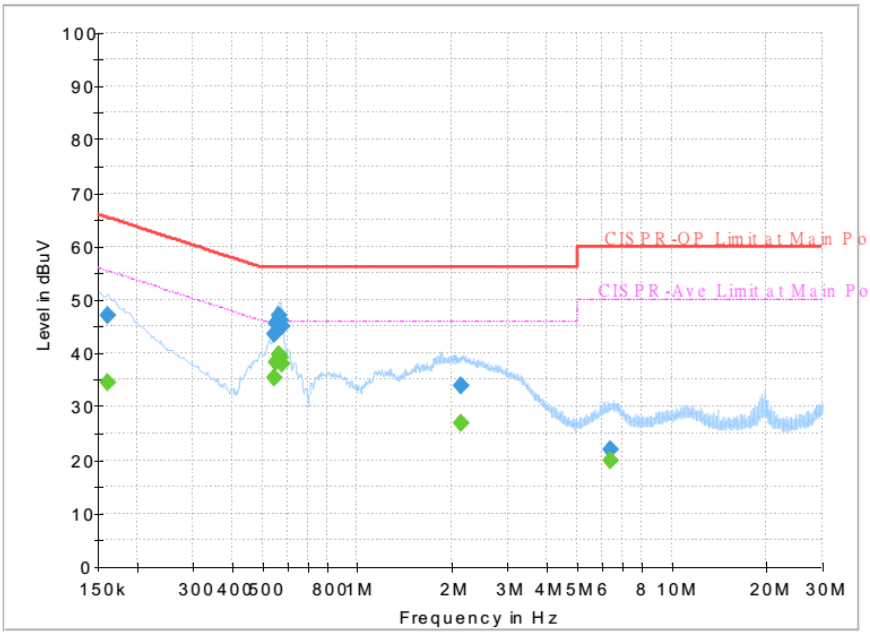
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.4

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. AC Conducted Emission Test Results

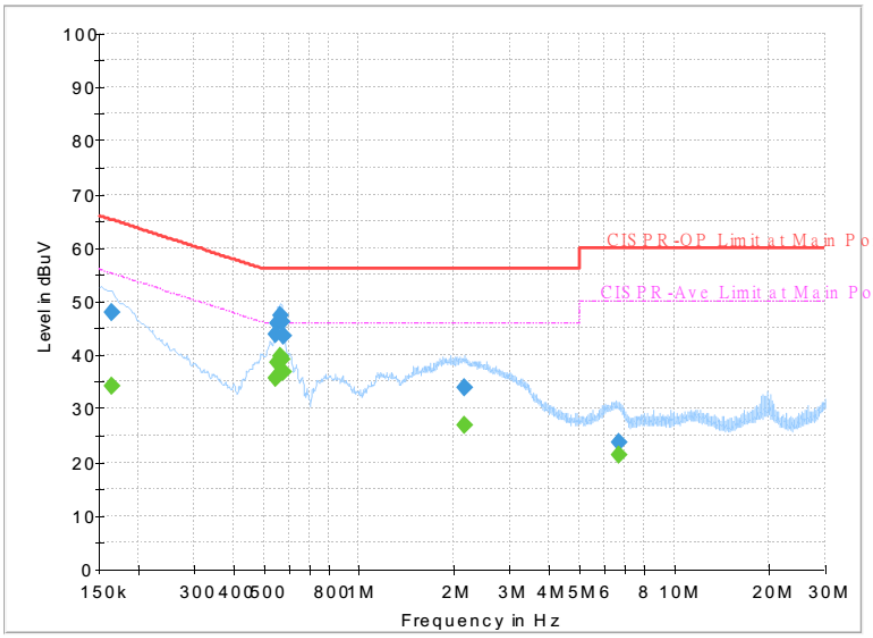
Test Mode :	Mode 1	Temperature :	23~24℃
Test Engineer :	Rick Lin	Relative Humidity :	51~53%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	Bluetooth Link + WLAN (5GHz) Link + Scanner + USB (3.1/Type C) Data Link with Notebook (Notebook to eMMC) + USB (2.0/Type A) USB Flash Drive Load + USB (2.0/Type A) USB Flash Drive Load + POE + LAN Link with AP + Headset for Sample 1		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	34.54	55.40	20.86	L1	OFF	19.5
0.161250	47.21	---	65.40	18.19	L1	OFF	19.5
0.543750	---	35.51	46.00	10.49	L1	OFF	19.5
0.543750	43.60	---	56.00	12.40	L1	OFF	19.5
0.550500	---	38.44	46.00	7.56	L1	OFF	19.5
0.550500	45.75	---	56.00	10.25	L1	OFF	19.5
0.561750	---	39.84	46.00	6.16	L1	OFF	19.5
0.561750	47.19	---	56.00	8.81	L1	OFF	19.5
0.570750	---	39.28	46.00	6.72	L1	OFF	19.5
0.570750	46.27	---	56.00	9.73	L1	OFF	19.5
0.575250	---	38.11	46.00	7.89	L1	OFF	19.5
0.575250	44.89	---	56.00	11.11	L1	OFF	19.5
2.143500	---	26.85	46.00	19.15	L1	OFF	19.4
2.143500	33.87	---	56.00	22.13	L1	OFF	19.4
6.360000	---	19.82	50.00	30.18	L1	OFF	19.6
6.360000	21.96	---	60.00	38.04	L1	OFF	19.6

Test Mode :	Mode 1	Temperature :	23~24℃
Test Engineer :	Rick Lin	Relative Humidity :	51~53%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	Bluetooth Link + WLAN (5GHz) Link + Scanner + USB (3.1/Type C) Data Link with Notebook (Notebook to eMMC) + USB (2.0/Type A) USB Flash Drive Load + USB (2.0/Type A) USB Flash Drive Load + POE + LAN Link with AP + Headset for Sample 1		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.163500	---	34.34	55.28	20.94	N	OFF	19.5
0.163500	47.86	---	65.28	17.42	N	OFF	19.5
0.543750	---	35.82	46.00	10.18	N	OFF	19.5
0.543750	43.96	---	56.00	12.04	N	OFF	19.5
0.550500	---	38.67	46.00	7.33	N	OFF	19.5
0.550500	46.03	---	56.00	9.97	N	OFF	19.5
0.564000	---	39.83	46.00	6.17	N	OFF	19.5
0.564000	47.31	---	56.00	8.69	N	OFF	19.5
0.570750	---	39.23	46.00	6.77	N	OFF	19.5
0.570750	46.22	---	56.00	9.78	N	OFF	19.5
0.577500	---	36.73	46.00	9.27	N	OFF	19.5
0.577500	43.55	---	56.00	12.45	N	OFF	19.5
2.157000	---	26.90	46.00	19.10	N	OFF	19.4
2.157000	33.77	---	56.00	22.23	N	OFF	19.4
6.668250	---	21.30	50.00	28.70	N	OFF	19.6
6.668250	23.72	---	60.00	36.28	N	OFF	19.6

Appendix B. Radiated Spurious Emission

Test Engineer :	Alex Jheng, Fu Chen, and Wilson Wu	Temperature :	24~26°C
		Relative Humidity :	49~53%

<CDD Mode>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5648.4	53.44	-14.76	68.2	42.16	32.09	8.84	29.65	100	126	P	H
		5698	62.65	-41.08	103.73	51.32	32.17	8.83	29.67	100	126	P	H
		5717.6	65.32	-44.81	110.13	53.97	32.21	8.82	29.68	100	126	P	H
		5724.8	66.76	-54.98	121.74	55.41	32.21	8.82	29.68	100	126	P	H
	*	5745	107.96	-	-	96.6	32.24	8.81	29.69	100	126	P	H
	*	5745	99.88	-	-	88.52	32.24	8.81	29.69	100	126	A	H
													H
													H
		5648.6	56.44	-11.76	68.2	45.16	32.09	8.84	29.65	195	354	P	V
		5699	68.37	-36.09	104.46	57.04	32.17	8.83	29.67	195	354	P	V
		5717.8	70.83	-39.35	110.18	59.48	32.21	8.82	29.68	195	354	P	V
		5725	71.87	-50.33	122.2	60.52	32.21	8.82	29.68	195	354	P	V
	*	5745	114.12	-	-	102.76	32.24	8.81	29.69	195	354	P	V
	*	5745	106.46	-	-	95.1	32.24	8.81	29.69	195	354	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5612	52.92	-15.28	68.2	41.67	32.04	8.85	29.64	100	112	P	H
		5698.8	53.12	-51.2	104.32	41.79	32.17	8.83	29.67	100	112	P	H
		5717	56.14	-53.82	109.96	44.81	32.19	8.82	29.68	100	112	P	H
		5723.8	57.03	-62.43	119.46	45.68	32.21	8.82	29.68	100	112	P	H
	*	5785	108.08	-	-	96.71	32.29	8.8	29.72	100	112	P	H
	*	5785	100.21	-	-	88.84	32.29	8.8	29.72	100	112	A	H
		5854.6	56.07	-55.64	111.71	44.55	32.41	8.85	29.74	100	112	P	H
		5867.6	54.47	-52.8	107.27	42.95	32.41	8.86	29.75	100	112	P	H
		5877.6	53.95	-49.32	103.27	42.4	32.43	8.87	29.75	100	112	P	H
		5938.8	52.78	-15.42	68.2	41.11	32.53	8.92	29.78	100	112	P	H
													H
802.11a CH 157 5785MHz													H
		5606	52.6	-15.6	68.2	41.35	32.04	8.85	29.64	212	360	P	V
		5691	57.33	-41.23	98.56	46	32.17	8.83	29.67	212	360	P	V
		5717.4	62.56	-47.51	110.07	51.23	32.19	8.82	29.68	212	360	P	V
		5723.8	63.45	-56.01	119.46	52.1	32.21	8.82	29.68	212	360	P	V
	*	5785	115.14	-	-	103.77	32.29	8.8	29.72	212	360	P	V
	*	5785	106.9	-	-	95.53	32.29	8.8	29.72	212	360	A	V
		5853.8	61.96	-51.58	113.54	50.44	32.41	8.85	29.74	212	360	P	V
		5856.4	61.5	-48.91	110.41	49.98	32.41	8.85	29.74	212	360	P	V
		5875.6	60.62	-44.13	104.75	49.07	32.43	8.87	29.75	212	360	P	V
		5942	53.46	-14.74	68.2	41.78	32.53	8.93	29.78	212	360	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	108.33	-	-	96.88	32.36	8.82	29.73	100	108	P	H
	*	5825	100.52	-	-	89.07	32.36	8.82	29.73	100	108	A	H
		5854	62.39	-50.69	113.08	50.87	32.41	8.85	29.74	100	108	P	H
		5859.8	61.29	-48.16	109.45	49.78	32.41	8.85	29.75	100	108	P	H
		5875.6	59.42	-45.33	104.75	47.87	32.43	8.87	29.75	100	108	P	H
		5929.8	53.04	-15.16	68.2	41.39	32.5	8.92	29.77	100	108	P	H
													H
802.11a													H
CH 165	*	5825	114.97	-	-	103.52	32.36	8.82	29.73	209	360	P	V
5825MHz	*	5825	106.89	-	-	95.44	32.36	8.82	29.73	209	360	A	V
		5851.4	68.48	-50.53	119.01	56.99	32.38	8.85	29.74	209	360	P	V
		5860.8	68.76	-40.41	109.17	57.25	32.41	8.85	29.75	209	360	P	V
		5876	65.94	-38.52	104.46	54.39	32.43	8.87	29.75	209	360	P	V
		5925	58.27	-9.93	68.2	46.63	32.5	8.91	29.77	209	360	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	48.67	-25.33	74	52.31	39.92	12.74	56.3	100	0	P	H
		17235	48.88	-19.32	68.2	49.5	40.84	15.11	56.57	100	0	P	H
													H
													H
		11490	49.9	-24.1	74	53.54	39.92	12.74	56.3	100	0	P	V
		17235	49.1	-19.1	68.2	49.72	40.84	15.11	56.57	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	48.94	-25.06	74	52.7	39.76	12.78	56.3	100	0	P	H
		17355	49.12	-19.08	68.2	49.52	41.26	15.15	56.81	100	0	P	H
													H
													H
		11570	47.73	-26.27	74	51.49	39.76	12.78	56.3	100	0	P	V
		17355	49.33	-18.87	68.2	49.73	41.26	15.15	56.81	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	47.02	-26.98	74	50.88	39.62	12.82	56.3	100	0	P	H
		17475	49.31	-18.89	68.2	49.48	41.68	15.2	57.05	100	0	P	H
													H
													H
		11650	47.73	-26.27	74	51.59	39.62	12.82	56.3	100	0	P	V
		17475	50.13	-18.07	68.2	50.3	41.68	15.2	57.05	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5622.6	51.1	-17.1	68.2	39.83	32.07	8.84	29.64	106	122	P	H
		5671.6	52.59	-31.63	84.22	41.28	32.14	8.83	29.66	106	122	P	H
		5719.8	55.41	-55.33	110.74	44.06	32.21	8.82	29.68	106	122	P	H
		5724.2	64.7	-55.68	120.38	53.35	32.21	8.82	29.68	106	122	P	H
	*	5745	106.81	-	-	95.45	32.24	8.81	29.69	106	122	P	H
	*	5745	98.92	-	-	87.56	32.24	8.81	29.69	106	122	A	H
802.11n													H
HT20													H
CH 149		5645.8	51.75	-16.45	68.2	40.47	32.09	8.84	29.65	194	353	P	V
5745MHz		5687.2	55.97	-39.79	95.76	44.64	32.17	8.83	29.67	194	353	P	V
		5719.4	62.57	-48.06	110.63	51.22	32.21	8.82	29.68	194	353	P	V
		5724.8	73.62	-48.12	121.74	62.27	32.21	8.82	29.68	194	353	P	V
	*	5745	114.23	-	-	102.87	32.24	8.81	29.69	194	353	P	V
	*	5745	106.65	-	-	95.29	32.24	8.81	29.69	194	353	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647.8	51.97	-16.23	68.2	40.69	32.09	8.84	29.65	117	99	P	H
		5658	51.12	-23.02	74.14	39.82	32.12	8.84	29.66	117	99	P	H
		5716	51.96	-57.72	109.68	40.63	32.19	8.82	29.68	117	99	P	H
		5723.2	51.21	-66.89	118.1	39.86	32.21	8.82	29.68	117	99	P	H
	*	5785	107.37	-	-	96	32.29	8.8	29.72	117	99	P	H
	*	5785	99.8	-	-	88.43	32.29	8.8	29.72	117	99	A	H
		5853.2	52.69	-62.21	114.9	41.2	32.38	8.85	29.74	117	99	P	H
		5874.6	52.77	-52.54	105.31	41.22	32.43	8.87	29.75	117	99	P	H
		5875.2	52.46	-52.59	105.05	40.91	32.43	8.87	29.75	117	99	P	H
		5937.4	52.22	-15.98	68.2	40.58	32.5	8.92	29.78	117	99	P	H
802.11n													H
HT20													H
CH 157		5609.6	51.79	-16.41	68.2	40.54	32.04	8.85	29.64	199	3	P	V
5785MHz		5689.4	52.57	-44.81	97.38	41.24	32.17	8.83	29.67	199	3	P	V
		5718	54	-56.24	110.24	42.65	32.21	8.82	29.68	199	3	P	V
		5724.6	53.85	-67.44	121.29	42.5	32.21	8.82	29.68	199	3	P	V
	*	5785	114.41	-	-	103.04	32.29	8.8	29.72	199	3	P	V
	*	5785	106.7	-	-	95.33	32.29	8.8	29.72	199	3	A	V
		5855	54.5	-56.3	110.8	42.8	32.41	8.85	29.56	199	3	P	V
		5861.6	53.99	-54.96	108.95	42.28	32.41	8.86	29.56	199	3	P	V
		5885.4	53.81	-43.67	97.48	42.26	32.43	8.88	29.76	199	3	P	V
		5949.8	51.74	-16.46	68.2	40.06	32.53	8.93	29.78	199	3	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	107.28	-	-	95.83	32.36	8.82	29.73	100	99	P	H
	*	5825	99.26	-	-	87.81	32.36	8.82	29.73	100	99	A	H
		5850	53.13	-69.07	122.2	41.64	32.38	8.85	29.74	100	99	P	H
		5858.6	54.28	-55.51	109.79	42.77	32.41	8.85	29.75	100	99	P	H
		5889.6	53.2	-41.16	94.36	41.62	32.46	8.88	29.76	100	99	P	H
		5934	51.36	-16.84	68.2	39.71	32.5	8.92	29.77	100	99	P	H
802.11n													H
HT20													H
CH 165	*	5825	114.47	-	-	103.02	32.36	8.82	29.73	200	1	P	V
5825MHz	*	5825	106.35	-	-	94.9	32.36	8.82	29.73	200	1	A	V
		5850.8	62.25	-58.13	120.38	50.76	32.38	8.85	29.74	200	1	P	V
		5856.6	56.59	-53.76	110.35	45.07	32.41	8.85	29.74	200	1	P	V
		5883.6	55.16	-43.65	98.81	43.61	32.43	8.88	29.76	200	1	P	V
		5937.4	53.43	-14.77	68.2	41.79	32.5	8.92	29.78	200	1	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	48.59	-25.41	74	52.23	39.92	12.74	56.3	100	0	P	H
		17235	49.02	-19.18	68.2	49.64	40.84	15.11	56.57	100	0	P	H
802.11n													H
HT20													H
CH 149		11490	54.65	-19.35	74	58.29	39.92	12.74	56.3	320	9	P	V
5745MHz		11490	45.55	-8.45	54	49.19	39.92	12.74	56.3	320	9	A	V
		17235	48.67	-19.53	68.2	49.29	40.84	15.11	56.57	100	0	P	V
													V
		11570	47.25	-26.75	74	51.01	39.76	12.78	56.3	100	0	P	H
		17355	48.75	-19.45	68.2	49.15	41.26	15.15	56.81	100	0	P	H
802.11n													H
HT20													H
CH 157		11570	47.18	-26.82	74	50.94	39.76	12.78	56.3	100	0	P	V
5785MHz		17355	48.18	-20.02	68.2	48.58	41.26	15.15	56.81	100	0	P	V
													V
													V
		11650	47.57	-26.43	74	51.43	39.62	12.82	56.3	100	0	P	H
		17475	49.43	-18.77	68.2	49.6	41.68	15.2	57.05	100	0	P	H
802.11n													H
HT20													H
CH 165		11650	48.21	-25.79	74	52.07	39.62	12.82	56.3	100	0	P	V
5825MHz		17475	49.84	-18.36	68.2	50.01	41.68	15.2	57.05	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5618	51.69	-16.51	68.2	40.41	32.07	8.85	29.64	389	270	P	H
		5660.8	52.87	-23.35	76.22	41.58	32.12	8.83	29.66	389	270	P	H
		5718	68.04	-42.2	110.24	56.69	32.21	8.82	29.68	389	270	P	H
		5723.8	70.35	-49.11	119.46	59	32.21	8.82	29.68	389	270	P	H
	*	5755	106.25	-	-	94.87	32.26	8.81	29.69	389	270	P	H
	*	5755	98.06	-	-	86.68	32.26	8.81	29.69	389	270	A	H
		5850.8	52.71	-67.67	120.38	41.22	32.38	8.85	29.74	389	270	P	H
		5869	52.38	-54.5	106.88	40.86	32.41	8.86	29.75	389	270	P	H
		5875.6	52.24	-52.51	104.75	40.69	32.43	8.87	29.75	389	270	P	H
		5936	51.94	-16.26	68.2	40.3	32.5	8.92	29.78	389	270	P	H
802.11n													H
HT40													H
CH 151		5642.2	52.83	-15.37	68.2	41.55	32.09	8.84	29.65	192	3	P	V
5755MHz		5697.6	59.07	-44.36	103.43	47.74	32.17	8.83	29.67	192	3	P	V
		5719.4	77.49	-33.14	110.63	66.14	32.21	8.82	29.68	192	3	P	V
		5723.4	77.2	-41.35	118.55	65.85	32.21	8.82	29.68	192	3	P	V
	*	5755	112.55	-	-	101.17	32.26	8.81	29.69	192	3	P	V
	*	5755	104.79	-	-	93.41	32.26	8.81	29.69	192	3	A	V
		5853	54.55	-60.81	115.36	43.06	32.38	8.85	29.74	192	3	P	V
		5862.4	53.88	-54.85	108.73	42.36	32.41	8.86	29.75	192	3	P	V
		5891.4	53.38	-39.65	93.03	41.8	32.46	8.88	29.76	192	3	P	V
		5945.4	52.2	-16	68.2	40.52	32.53	8.93	29.78	192	3	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5612.8	51.35	-16.85	68.2	40.1	32.04	8.85	29.64	400	271	P	H
		5699.2	52.17	-52.44	104.61	40.84	32.17	8.83	29.67	400	271	P	H
		5708	52.97	-54.47	107.44	41.64	32.19	8.82	29.68	400	271	P	H
		5723.6	52.56	-66.45	119.01	41.21	32.21	8.82	29.68	400	271	P	H
	*	5795	105.3	-	-	93.91	32.31	8.8	29.72	400	271	P	H
	*	5795	108	-	-	96.61	32.31	8.8	29.72	400	271	A	H
		5854.4	52.72	-59.45	112.17	41.2	32.41	8.85	29.74	400	271	P	H
		5860.2	52.72	-56.62	109.34	41.21	32.41	8.85	29.75	400	271	P	H
		5894.6	52.28	-38.38	90.66	40.69	32.46	8.89	29.76	400	271	P	H
		5933.6	52.08	-16.12	68.2	40.43	32.5	8.92	29.77	400	271	P	H
802.11n													H
HT40													H
CH 159		5634.4	51.47	-16.73	68.2	40.19	32.09	8.84	29.65	190	2	P	V
5795MHz		5699.8	53.61	-51.44	105.05	42.28	32.17	8.83	29.67	190	2	P	V
		5719.8	55.65	-55.09	110.74	44.3	32.21	8.82	29.68	190	2	P	V
		5723	55.8	-61.84	117.64	44.45	32.21	8.82	29.68	190	2	P	V
	*	5795	112.41	-	-	101.02	32.31	8.8	29.72	190	2	P	V
	*	5795	104.65	-	-	93.26	32.31	8.8	29.72	190	2	A	V
		5851.6	59.91	-58.64	118.55	48.42	32.38	8.85	29.74	190	2	P	V
		5857.8	57.1	-52.91	110.01	45.59	32.41	8.85	29.75	190	2	P	V
		5897	55.46	-33.42	88.88	43.87	32.46	8.89	29.76	190	2	P	V
		5926.2	53.82	-14.38	68.2	42.18	32.5	8.91	29.77	190	2	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	46.99	-27.01	74	50.64	39.9	12.75	56.3	100	0	P	H
		17265	49.9	-18.3	68.2	50.45	40.96	15.12	56.63	100	0	P	H
802.11n													H
HT40													H
CH 151		11510	49	-25	74	52.65	39.9	12.75	56.3	100	0	P	V
5755MHz		17265	49.08	-19.12	68.2	49.63	40.96	15.12	56.63	100	0	P	V
													V
													V
		11590	46.59	-27.41	74	50.37	39.73	12.79	56.3	100	0	P	H
		17385	51.49	-16.71	68.2	51.81	41.38	15.17	56.87	100	0	P	H
802.11n													H
HT40													H
CH 159		11590	46.42	-27.58	74	50.2	39.73	12.79	56.3	100	0	P	V
5795MHz		17385	49.24	-18.96	68.2	49.56	41.38	15.17	56.87	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5649.4	54.12	-14.08	68.2	42.84	32.09	8.84	29.65	391	269	P	H
		5697.2	60.68	-42.46	103.14	49.35	32.17	8.83	29.67	391	269	P	H
		5718.6	66.28	-44.13	110.41	54.93	32.21	8.82	29.68	391	269	P	H
		5724.6	67.56	-53.73	121.29	56.21	32.21	8.82	29.68	391	269	P	H
	*	5775	102.82	-	-	91.43	32.29	8.81	29.71	391	269	P	H
	*	5775	94.89	-	-	83.5	32.29	8.81	29.71	391	269	A	H
		5851.6	64.06	-54.49	118.55	52.57	32.38	8.85	29.74	391	269	P	H
		5858	64.64	-45.32	109.96	53.13	32.41	8.85	29.75	391	269	P	H
		5877.6	58.85	-44.42	103.27	47.3	32.43	8.87	29.75	391	269	P	H
		5937.2	51.29	-16.91	68.2	39.65	32.5	8.92	29.78	391	269	P	H
802.11ac													H
VHT80													H
CH 155		5648.2	55.44	-12.76	68.2	44.16	32.09	8.84	29.65	203	2	P	V
5775MHz		5699.2	70.84	-33.77	104.61	59.51	32.17	8.83	29.67	203	2	P	V
		5706.8	75.62	-31.49	107.11	64.29	32.19	8.82	29.68	203	2	P	V
		5724.8	75.24	-46.5	121.74	63.89	32.21	8.82	29.68	203	2	P	V
	*	5775	108.51	-	-	97.12	32.29	8.81	29.71	203	2	P	V
	*	5775	101.03	-	-	89.64	32.29	8.81	29.71	203	2	A	V
		5851	70.68	-49.24	119.92	59.19	32.38	8.85	29.74	203	2	P	V
		5856	70.81	-39.71	110.52	59.29	32.41	8.85	29.74	203	2	P	V
		5877.4	64.87	-38.55	103.42	53.32	32.43	8.87	29.75	203	2	P	V
		5949	52.06	-16.14	68.2	40.38	32.53	8.93	29.78	203	2	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	46.91	-27.09	74	50.64	39.8	12.77	56.3	100	0	P	H
		17325	49.13	-19.07	68.2	49.6	41.14	15.14	56.75	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	46.79	-27.21	74	50.52	39.8	12.77	56.3	100	0	P	V
5775MHz		17325	48.44	-19.76	68.2	48.91	41.14	15.14	56.75	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 HT20 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		81.3	33.44	-6.56	40	50.99	13.48	1.21	32.24	-	-	P	H
		117.48	36.34	-7.16	43.5	49.93	17.22	1.39	32.2	-	-	P	H
		139.89	39.97	-3.53	43.5	53.38	17.32	1.45	32.18	100	0	P	H
		498.1	36.12	-9.88	46	41.7	23.93	2.66	32.17	-	-	P	H
		568.8	32.04	-13.96	46	35.69	25.68	2.89	32.22	-	-	P	H
		782.3	32.68	-13.32	46	33.13	28.14	3.34	31.93	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11n													H
HT20		32.16	31.36	-8.64	40	39.68	23.22	0.75	32.29	100	0	P	V
LF		50.52	30.37	-9.63	40	47.68	14.03	0.95	32.29	-	-	P	V
		81.03	29.57	-10.43	40	47.15	13.45	1.21	32.24	-	-	P	V
		498.1	36.27	-9.73	46	41.85	23.93	2.66	32.17	-	-	P	V
		568.8	34.85	-11.15	46	38.5	25.68	2.89	32.22	-	-	P	V
		948.2	33.45	-12.55	46	30.27	30.47	3.71	31	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5634.2	51.68	-16.52	68.2	40.4	32.09	8.84	29.65	258	86	P	H
		5697	55.76	-47.23	102.99	44.43	32.17	8.83	29.67	258	86	P	H
		5719.6	59.29	-51.4	110.69	47.94	32.21	8.82	29.68	258	86	P	H
		5724	68.95	-50.97	119.92	57.6	32.21	8.82	29.68	258	86	P	H
	*	5745	113.77	-	-	102.41	32.24	8.81	29.69	258	86	P	H
	*	5745	105.96	-	-	94.6	32.24	8.81	29.69	258	86	A	H
													H
802.11a													H
CH 149		5637.8	51.12	-17.08	68.2	39.84	32.09	8.84	29.65	273	171	P	V
5745MHz		5673.8	53.06	-32.79	85.85	41.75	32.14	8.83	29.66	273	171	P	V
		5713.8	55.32	-53.75	109.07	43.99	32.19	8.82	29.68	273	171	P	V
		5724.4	65.17	-55.66	120.83	53.82	32.21	8.82	29.68	273	171	P	V
	*	5745	109.16	-	-	97.8	32.24	8.81	29.69	273	171	P	V
	*	5745	101.68	-	-	90.32	32.24	8.81	29.69	273	171	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5638.8	51.98	-16.22	68.2	40.7	32.09	8.84	29.65	264	86	P	H
		5662.6	52.54	-25.01	77.55	41.25	32.12	8.83	29.66	264	86	P	H
		5706.4	53.83	-53.16	106.99	42.5	32.19	8.82	29.68	264	86	P	H
		5725	53.62	-68.58	122.2	42.27	32.21	8.82	29.68	264	86	P	H
	*	5785	114.2	-	-	102.83	32.29	8.8	29.72	264	86	P	H
	*	5785	105.99	-	-	94.62	32.29	8.8	29.72	264	86	A	H
		5852.8	51.91	-63.91	115.82	40.42	32.38	8.85	29.74	264	86	P	H
		5858.8	53.22	-56.51	109.73	41.71	32.41	8.85	29.75	264	86	P	H
		5879.4	52.48	-49.45	101.93	40.93	32.43	8.87	29.75	264	86	P	H
		5925.6	51.38	-16.82	68.2	39.74	32.5	8.91	29.77	264	86	P	H
													H
802.11a CH 157 5785MHz													H
		5634	51.92	-16.28	68.2	40.64	32.09	8.84	29.65	271	173	P	V
		5693	51.16	-48.88	100.04	39.83	32.17	8.83	29.67	271	173	P	V
		5713	51	-57.84	108.84	39.67	32.19	8.82	29.68	271	173	P	V
		5725	50.21	-71.99	122.2	38.86	32.21	8.82	29.68	271	173	P	V
	*	5785	110.22	-	-	98.85	32.29	8.8	29.72	271	173	P	V
	*	5785	102.19	-	-	90.82	32.29	8.8	29.72	271	173	A	V
		5852.4	51.05	-65.68	116.73	39.56	32.38	8.85	29.74	271	173	P	V
		5861.8	53.08	-55.81	108.89	41.56	32.41	8.86	29.75	271	173	P	V
		5916	51.76	-23.08	74.84	40.15	32.48	8.9	29.77	271	173	P	V
		5926.8	51.37	-16.83	68.2	39.73	32.5	8.91	29.77	271	173	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	113.55	-	-	102.1	32.36	8.82	29.73	261	85	P	H
	*	5825	105.94	-	-	94.49	32.36	8.82	29.73	261	85	A	H
		5850.4	64.31	-56.98	121.29	52.82	32.38	8.85	29.74	261	85	P	H
		5856	60.37	-50.15	110.52	48.85	32.41	8.85	29.74	261	85	P	H
		5881.2	53.79	-46.8	100.59	42.24	32.43	8.87	29.75	261	85	P	H
		5926.2	52	-16.2	68.2	40.36	32.5	8.91	29.77	261	85	P	H
													H
802.11a													H
CH 165	*	5825	109.84	-	-	98.39	32.36	8.82	29.73	266	174	P	V
5825MHz	*	5825	102.06	-	-	90.61	32.36	8.82	29.73	266	174	A	V
		5850.8	59.33	-61.05	120.38	47.84	32.38	8.85	29.74	266	174	P	V
		5856.2	57.54	-52.92	110.46	46.02	32.41	8.85	29.74	266	174	P	V
		5891.8	52.45	-40.28	92.73	40.87	32.46	8.88	29.76	266	174	P	V
		5925.8	51.75	-16.45	68.2	40.11	32.5	8.91	29.77	266	174	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	46.42	-27.58	74	50.06	39.92	12.74	56.3	100	0	P	H
		17235	48.79	-19.41	68.2	49.41	40.84	15.11	56.57	100	0	P	H
													H
													H
		11490	49.03	-24.97	74	52.67	39.92	12.74	56.3	100	0	P	V
		17235	48.25	-19.95	68.2	48.87	40.84	15.11	56.57	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	46.08	-27.92	74	49.84	39.76	12.78	56.3	100	0	P	H
		17355	48.31	-19.89	68.2	48.71	41.26	15.15	56.81	100	0	P	H
													H
													H
		11570	47.76	-26.24	74	51.52	39.76	12.78	56.3	100	0	P	V
		17355	48.55	-19.65	68.2	48.95	41.26	15.15	56.81	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	46.89	-27.11	74	50.75	39.62	12.82	56.3	100	0	P	H
		17475	49.23	-18.97	68.2	49.4	41.68	15.2	57.05	100	0	P	H
													H
													H
		11650	48.54	-25.46	74	52.4	39.62	12.82	56.3	100	0	P	V
		17475	50.15	-18.05	68.2	50.32	41.68	15.2	57.05	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5640.2	53.56	-14.64	68.2	42.28	32.09	8.84	29.65	248	89	P	H
		5698.6	55.4	-48.77	104.17	44.07	32.17	8.83	29.67	248	89	P	H
		5719.4	65.32	-45.31	110.63	53.97	32.21	8.82	29.68	248	89	P	H
		5725	75.13	-47.07	122.2	63.78	32.21	8.82	29.68	248	89	P	H
	*	5745	113.85	-	-	102.49	32.24	8.81	29.69	248	89	P	H
	*	5745	106.43	-	-	95.07	32.24	8.81	29.69	248	89	A	H
802.11n													H
HT20													H
CH 149		5607.8	52.27	-15.93	68.2	41.02	32.04	8.85	29.64	289	173	P	V
5745MHz		5698	52.94	-50.79	103.73	41.61	32.17	8.83	29.67	289	173	P	V
		5720	60.48	-50.32	110.8	49.13	32.21	8.82	29.68	289	173	P	V
		5724.2	68.19	-52.19	120.38	56.84	32.21	8.82	29.68	289	173	P	V
	*	5745	110	-	-	98.64	32.24	8.81	29.69	289	173	P	V
	*	5745	102.08	-	-	90.72	32.24	8.81	29.69	289	173	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5637.8	51.37	-16.83	68.2	40.09	32.09	8.84	29.65	268	87	P	H
		5696.4	52.19	-50.36	102.55	40.86	32.17	8.83	29.67	268	87	P	H
		5708.4	52.83	-54.72	107.55	41.5	32.19	8.82	29.68	268	87	P	H
		5724.2	52.66	-67.72	120.38	41.31	32.21	8.82	29.68	268	87	P	H
	*	5785	114.13	-	-	102.76	32.29	8.8	29.72	268	87	P	H
	*	5785	106.43	-	-	95.06	32.29	8.8	29.72	268	87	A	H
		5851	53.46	-66.46	119.92	41.97	32.38	8.85	29.74	268	87	P	H
		5861.2	53.54	-55.52	109.06	42.02	32.41	8.86	29.75	268	87	P	H
		5882	52.9	-47.1	100	41.35	32.43	8.87	29.75	268	87	P	H
		5941.8	52.58	-15.62	68.2	40.9	32.53	8.93	29.78	268	87	P	H
802.11n													H
HT20													H
CH 157		5619.6	52.42	-15.78	68.2	41.14	32.07	8.85	29.64	254	174	P	V
5785MHz		5663.4	51.87	-26.28	78.15	40.58	32.12	8.83	29.66	254	174	P	V
		5718.4	54.54	-55.81	110.35	43.19	32.21	8.82	29.68	254	174	P	V
		5724.6	52.28	-69.01	121.29	40.93	32.21	8.82	29.68	254	174	P	V
	*	5785	110.5	-	-	99.13	32.29	8.8	29.72	254	174	P	V
	*	5785	102.95	-	-	91.58	32.29	8.8	29.72	254	174	A	V
		5851.8	51.7	-66.4	118.1	40.21	32.38	8.85	29.74	254	174	P	V
		5865.6	51.62	-56.21	107.83	40.1	32.41	8.86	29.75	254	174	P	V
		5879	52.16	-50.07	102.23	40.61	32.43	8.87	29.75	254	174	P	V
		5926	51.2	-17	68.2	39.56	32.5	8.91	29.77	254	174	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	114.25	-	-	102.8	32.36	8.82	29.73	263	86	P	H
	*	5825	106.58	-	-	95.13	32.36	8.82	29.73	263	86	A	H
		5850.2	65.64	-56.1	121.74	54.15	32.38	8.85	29.74	263	86	P	H
		5856.4	60.28	-50.13	110.41	48.76	32.41	8.85	29.74	263	86	P	H
		5875	54.52	-50.68	105.2	42.97	32.43	8.87	29.75	263	86	P	H
		5928.2	51.42	-16.78	68.2	39.77	32.5	8.92	29.77	263	86	P	H
802.11n													H
HT20													H
CH 165	*	5825	110.23	-	-	98.78	32.36	8.82	29.73	266	173	P	V
5825MHz	*	5825	102.59	-	-	91.14	32.36	8.82	29.73	266	173	A	V
		5850	67.01	-55.19	122.2	55.52	32.38	8.85	29.74	266	173	P	V
		5856	56.9	-53.62	110.52	45.38	32.41	8.85	29.74	266	173	P	V
		5902.6	52.68	-32.06	84.74	41.09	32.46	8.89	29.76	266	173	P	V
		5942.8	51.19	-17.01	68.2	39.51	32.53	8.93	29.78	266	173	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	47.36	-26.64	74	51	39.92	12.74	56.3	100	0	P	H
		17235	49.03	-19.17	68.2	49.65	40.84	15.11	56.57	100	0	P	H
802.11n													H
HT20													H
CH 149		11490	48.64	-25.36	74	52.28	39.92	12.74	56.3	100	0	P	V
5745MHz		17235	48.66	-19.54	68.2	49.28	40.84	15.11	56.57	100	0	P	V
													V
													V
		11570	45.21	-28.79	74	48.97	39.76	12.78	56.3	100	0	P	H
		17355	48.67	-19.53	68.2	49.07	41.26	15.15	56.81	100	0	P	H
802.11n													H
HT20													H
CH 157		11570	46.05	-27.95	74	49.81	39.76	12.78	56.3	100	0	P	V
5785MHz		17355	49.3	-18.9	68.2	49.7	41.26	15.15	56.81	100	0	P	V
													V
													V
		11650	45.94	-28.06	74	49.8	39.62	12.82	56.3	100	0	P	H
		17475	49.21	-18.99	68.2	49.38	41.68	15.2	57.05	100	0	P	H
802.11n													H
HT20													H
CH 165		11650	47.02	-26.98	74	50.88	39.62	12.82	56.3	100	0	P	V
5825MHz		17475	49.36	-18.84	68.2	49.53	41.68	15.2	57.05	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5645.6	53.58	-14.62	68.2	42.3	32.09	8.84	29.65	259	88	P	H
		5699	58.32	-46.14	104.46	46.99	32.17	8.83	29.67	259	88	P	H
		5719	79.33	-31.19	110.52	67.98	32.21	8.82	29.68	259	88	P	H
		5725	80.17	-42.03	122.2	68.82	32.21	8.82	29.68	259	88	P	H
	*	5755	111.56	-	-	100.18	32.26	8.81	29.69	259	88	P	H
	*	5755	104.38	-	-	93	32.26	8.81	29.69	259	88	A	H
		5850.8	52.61	-67.77	120.38	41.12	32.38	8.85	29.74	259	88	P	H
		5859.4	53.07	-56.5	109.57	41.56	32.41	8.85	29.75	259	88	P	H
		5903.2	51.63	-32.66	84.29	40.04	32.46	8.89	29.76	259	88	P	H
		5935.4	51.16	-17.04	68.2	39.52	32.5	8.92	29.78	259	88	P	H
802.11n													H
HT40													H
CH 151		5625.6	51.44	-16.76	68.2	40.17	32.07	8.84	29.64	285	172	P	V
5755MHz		5697.8	55.24	-48.34	103.58	43.91	32.17	8.83	29.67	285	172	P	V
		5719	74.16	-36.36	110.52	62.81	32.21	8.82	29.68	285	172	P	V
		5724.8	74.78	-46.96	121.74	63.43	32.21	8.82	29.68	285	172	P	V
	*	5755	107.98	-	-	96.6	32.26	8.81	29.69	285	172	P	V
	*	5755	100.5	-	-	89.12	32.26	8.81	29.69	285	172	A	V
		5854.2	51.47	-61.15	112.62	39.95	32.41	8.85	29.74	285	172	P	V
		5870.6	51.69	-54.74	106.43	40.15	32.43	8.86	29.75	285	172	P	V
		5914.2	53.44	-22.73	76.17	41.83	32.48	8.9	29.77	285	172	P	V
		5934.8	52.56	-15.64	68.2	40.92	32.5	8.92	29.78	285	172	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5650	52.46	-15.74	68.2	41.15	32.12	8.84	29.65	268	89	P	H
		5697.2	56.52	-46.62	103.14	45.19	32.17	8.83	29.67	268	89	P	H
		5717.6	60.35	-49.78	110.13	49	32.21	8.82	29.68	268	89	P	H
		5723.8	60.26	-59.2	119.46	48.91	32.21	8.82	29.68	268	89	P	H
	*	5795	112.23	-	-	100.84	32.31	8.8	29.72	268	89	P	H
	*	5795	104.79	-	-	93.4	32.31	8.8	29.72	268	89	A	H
		5850	66.23	-55.97	122.2	54.74	32.38	8.85	29.74	268	89	P	H
		5860	64.25	-45.15	109.4	52.74	32.41	8.85	29.75	268	89	P	H
		5876.6	58.6	-45.41	104.01	47.05	32.43	8.87	29.75	268	89	P	H
		5933	53.04	-15.16	68.2	41.39	32.5	8.92	29.77	268	89	P	H
802.11n													H
HT40													H
CH 159		5638.8	52	-16.2	68.2	40.72	32.09	8.84	29.65	268	173	P	V
5795MHz		5694	53.04	-47.74	100.78	41.71	32.17	8.83	29.67	268	173	P	V
		5710.4	56.22	-51.89	108.11	44.89	32.19	8.82	29.68	268	173	P	V
		5723.8	56.56	-62.9	119.46	45.21	32.21	8.82	29.68	268	173	P	V
	*	5795	108.62	-	-	97.23	32.31	8.8	29.72	268	173	P	V
	*	5795	101.11	-	-	89.72	32.31	8.8	29.72	268	173	A	V
		5851.6	60.56	-57.99	118.55	49.07	32.38	8.85	29.74	268	173	P	V
		5857.2	59.67	-50.51	110.18	48.15	32.41	8.85	29.74	268	173	P	V
		5876.8	54.98	-48.88	103.86	43.43	32.43	8.87	29.75	268	173	P	V
		5928	51.56	-16.64	68.2	39.91	32.5	8.92	29.77	268	173	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	46.45	-27.55	74	50.1	39.9	12.75	56.3	100	0	P	H
		17265	48.49	-19.71	68.2	49.04	40.96	15.12	56.63	100	0	P	H
802.11n													H
HT40													H
CH 151		11510	48.39	-25.61	74	52.04	39.9	12.75	56.3	100	0	P	V
5755MHz		17265	48.69	-19.51	68.2	49.24	40.96	15.12	56.63	100	0	P	V
													V
													V
		11590	45.97	-28.03	74	49.75	39.73	12.79	56.3	100	0	P	H
		17385	50.62	-17.58	68.2	50.94	41.38	15.17	56.87	100	0	P	H
802.11n													H
HT40													H
CH 159		11590	46.8	-27.2	74	50.58	39.73	12.79	56.3	100	0	P	V
5795MHz		17385	49.53	-18.67	68.2	49.85	41.38	15.17	56.87	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5649	56.73	-11.47	68.2	45.45	32.09	8.84	29.65	256	86	P	H
		5699	74.62	-29.84	104.46	63.29	32.17	8.83	29.67	256	86	P	H
		5718.8	79.22	-31.24	110.46	67.87	32.21	8.82	29.68	256	86	P	H
		5720.8	79.71	-32.91	112.62	68.36	32.21	8.82	29.68	256	86	P	H
	*	5775	108.52	-	-	97.13	32.29	8.81	29.71	256	86	P	H
	*	5775	100.97	-	-	89.58	32.29	8.81	29.71	256	86	A	H
		5851.6	74.43	-44.12	118.55	62.94	32.38	8.85	29.74	256	86	P	H
		5858.8	73.85	-35.88	109.73	62.34	32.41	8.85	29.75	256	86	P	H
		5876.8	66.51	-37.35	103.86	54.96	32.43	8.87	29.75	256	86	P	H
		5929.2	54.27	-13.93	68.2	42.62	32.5	8.92	29.77	256	86	P	H
802.11ac													H
VHT80													H
CH 155		5628	54.81	-13.39	68.2	43.54	32.07	8.84	29.64	255	173	P	V
5775MHz		5694.2	74.65	-26.27	100.92	63.32	32.17	8.83	29.67	255	173	P	V
		5715.8	74.73	-34.9	109.63	63.4	32.19	8.82	29.68	255	173	P	V
		5723	74.52	-43.12	117.64	63.17	32.21	8.82	29.68	255	173	P	V
	*	5775	104.99	-	-	93.6	32.29	8.81	29.71	255	173	P	V
	*	5775	97.78	-	-	86.39	32.29	8.81	29.71	255	173	A	V
		5851.2	70.35	-49.11	119.46	58.86	32.38	8.85	29.74	255	173	P	V
		5864.8	70.02	-38.03	108.05	58.5	32.41	8.86	29.75	255	173	P	V
		5875.6	62.5	-42.25	104.75	50.95	32.43	8.87	29.75	255	173	P	V
		5925.4	52.87	-15.33	68.2	41.23	32.5	8.91	29.77	255	173	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	45.69	-28.31	74	49.42	39.8	12.77	56.3	100	0	P	H
		17325	48.38	-19.82	68.2	48.85	41.14	15.14	56.75	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	46.7	-27.3	74	50.43	39.8	12.77	56.3	100	0	P	V
5775MHz		17325	48.98	-19.22	68.2	49.45	41.14	15.14	56.75	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	Path	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)
		81.57	34.53	-5.47	40	52.03	13.52	1.22	32.24	-	-	P	H
		120.72	37.13	-6.37	43.5	50.49	17.46	1.38	32.2	-	-	P	H
		142.32	39.4	-4.1	43.5	52.8	17.32	1.46	32.18	100	0	P	H
		498.1	37.38	-8.62	46	42.96	23.93	2.66	32.17	-	-	P	H
		568.8	31.73	-14.27	46	35.38	25.68	2.89	32.22	-	-	P	H
		951	33.61	-12.39	46	30.32	30.56	3.71	30.98	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		31.89	31.95	-8.05	40	40.15	23.34	0.75	32.29	-	-	P	V
LF		64.83	33.35	-6.65	40	52.76	11.76	1.1	32.27	100	0	P	V
		81.57	31.74	-8.26	40	49.24	13.52	1.22	32.24	-	-	P	V
		497.4	32.37	-13.63	46	37.98	23.91	2.65	32.17	-	-	P	V
		568.8	29.52	-16.48	46	33.17	25.68	2.89	32.22	-	-	P	V
		952.4	33.08	-12.92	46	29.72	30.61	3.71	30.96	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5622.2	52.52	-15.68	68.2	41.16	32.07	8.84	29.55	389	191	P	H
		5697.6	53.67	-49.76	103.43	42.22	32.17	8.83	29.55	389	191	P	H
		5718.8	57.07	-53.39	110.46	45.59	32.21	8.82	29.55	389	191	P	H
		5725	69.4	-52.8	122.2	57.92	32.21	8.82	29.55	389	191	P	H
	*	5745	113.28	-	-	101.78	32.24	8.81	29.55	389	191	P	H
	*	5745	106.69	-	-	95.19	32.24	8.81	29.55	389	191	A	H
													H
802.11a													H
CH 149		5633	52.26	-15.94	68.2	40.88	32.09	8.84	29.55	117	24	P	V
5745MHz		5693.6	55.09	-45.39	100.48	43.64	32.17	8.83	29.55	117	24	P	V
		5715.8	58.23	-51.4	109.63	46.77	32.19	8.82	29.55	117	24	P	V
		5724.8	71.64	-50.1	121.74	60.16	32.21	8.82	29.55	117	24	P	V
	*	5745	115.74	-	-	104.24	32.24	8.81	29.55	117	24	P	V
	*	5745	108.27	-	-	96.77	32.24	8.81	29.55	117	24	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5622	52.86	-15.34	68.2	41.5	32.07	8.84	29.55	400	183	P	H
		5662	52.73	-24.38	77.11	41.33	32.12	8.83	29.55	400	183	P	H
		5719.2	52.32	-58.26	110.58	40.84	32.21	8.82	29.55	400	183	P	H
		5722.8	51.49	-65.69	117.18	40.01	32.21	8.82	29.55	400	183	P	H
	*	5785	113	-	-	101.47	32.29	8.8	29.56	400	183	P	H
	*	5785	105.32	-	-	93.79	32.29	8.8	29.56	400	183	A	H
		5851	52.85	-67.07	119.92	41.18	32.38	8.85	29.56	400	183	P	H
		5857.8	53.35	-56.66	110.01	41.65	32.41	8.85	29.56	400	183	P	H
		5885.2	52.48	-45.15	97.63	40.73	32.43	8.88	29.56	400	183	P	H
		5934.4	52.42	-15.78	68.2	40.56	32.5	8.92	29.56	400	183	P	H
													H
802.11a CH 157 5785MHz													H
		5634.4	52.58	-15.62	68.2	41.2	32.09	8.84	29.55	200	45	P	V
		5672.6	53	-31.96	84.96	41.58	32.14	8.83	29.55	200	45	P	V
		5716.6	53.31	-56.54	109.85	41.85	32.19	8.82	29.55	200	45	P	V
		5723.4	54.6	-63.95	118.55	43.12	32.21	8.82	29.55	200	45	P	V
	*	5785	114.6	-	-	103.07	32.29	8.8	29.56	200	45	P	V
	*	5785	106.93	-	-	95.4	32.29	8.8	29.56	200	45	A	V
		5850.2	53.61	-68.13	121.74	41.94	32.38	8.85	29.56	200	45	P	V
		5857.4	53.74	-56.39	110.13	42.04	32.41	8.85	29.56	200	45	P	V
		5891.2	53.76	-39.42	93.18	41.98	32.46	8.88	29.56	200	45	P	V
		5947.6	52.28	-15.92	68.2	40.38	32.53	8.93	29.56	200	45	P	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	115.15	-	-	103.53	32.36	8.82	29.56	182	112	P	H
	*	5825	107.87	-	-	96.25	32.36	8.82	29.56	182	112	A	H
		5850.2	61.01	-60.73	121.74	49.34	32.38	8.85	29.56	182	112	P	H
		5864.6	58.49	-49.62	108.11	46.78	32.41	8.86	29.56	182	112	P	H
		5875.4	53.25	-51.65	104.9	41.51	32.43	8.87	29.56	182	112	P	H
		5946.2	52.35	-15.85	68.2	40.45	32.53	8.93	29.56	182	112	P	H
													H
802.11a													H
CH 165	*	5825	116.85	-	-	105.23	32.36	8.82	29.56	213	43	P	V
5825MHz	*	5825	109.3	-	-	97.68	32.36	8.82	29.56	213	43	A	V
		5850.6	61.66	-59.17	120.83	49.99	32.38	8.85	29.56	213	43	P	V
		5855.8	59.75	-50.83	110.58	48.05	32.41	8.85	29.56	213	43	P	V
		5877.2	55.78	-47.79	103.57	44.04	32.43	8.87	29.56	213	43	P	V
		5937	53.76	-14.44	68.2	41.9	32.5	8.92	29.56	213	43	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+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	55.59	-18.41	74	59.23	39.92	12.74	56.3	220	62	P	H
		11490	45.91	-8.09	54	49.55	39.92	12.74	56.3	220	62	A	H
		17235	49.05	-19.15	68.2	49.67	40.84	15.11	56.57	100	0	P	H
													H
		11490	58.02	-15.98	74	61.66	39.92	12.74	56.3	317	10	P	V
		11490	48.14	-5.86	54	51.78	39.92	12.74	56.3	317	10	A	V
		17235	48.51	-19.69	68.2	49.13	40.84	15.11	56.57	100	0	P	V
													V
802.11a CH 157 5785MHz		11570	47.21	-26.79	74	50.97	39.76	12.78	56.3	100	0	P	H
		17355	49.45	-18.75	68.2	49.85	41.26	15.15	56.81	100	0	P	H
													H
													H
		11570	48.62	-25.38	74	52.38	39.76	12.78	56.3	100	0	P	V
		17355	48.59	-19.61	68.2	48.99	41.26	15.15	56.81	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	49.54	-24.46	74	53.4	39.62	12.82	56.3	100	0	P	H
		17475	50.26	-17.94	68.2	50.43	41.68	15.2	57.05	100	0	P	H
													H
													H
		11650	49.9	-24.1	74	53.76	39.62	12.82	56.3	100	0	P	V
		17475	49.7	-18.5	68.2	49.87	41.68	15.2	57.05	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+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5629.2	51.46	-16.74	68.2	40.1	32.07	8.84	29.55	400	192	P	H
		5696	53.27	-48.98	102.25	41.82	32.17	8.83	29.55	400	192	P	H
		5719.4	60.64	-49.99	110.63	49.16	32.21	8.82	29.55	400	192	P	H
		5724.8	73.88	-47.86	121.74	62.4	32.21	8.82	29.55	400	192	P	H
	*	5745	114.98	-	-	103.48	32.24	8.81	29.55	400	192	P	H
	*	5745	106.82	-	-	95.32	32.24	8.81	29.55	400	192	A	H
802.11n													H
HT20													H
CH 149		5650	52.14	-16.06	68.2	40.73	32.12	8.84	29.55	207	40	P	V
5745MHz		5696.2	55.37	-47.03	102.4	43.92	32.17	8.83	29.55	207	40	P	V
		5719.4	60.09	-50.54	110.63	48.61	32.21	8.82	29.55	207	40	P	V
		5724.8	76.64	-45.1	121.74	65.16	32.21	8.82	29.55	207	40	P	V
	*	5745	117.04	-	-	105.54	32.24	8.81	29.55	207	40	P	V
	*	5745	109.37	-	-	97.87	32.24	8.81	29.55	207	40	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5643	51.37	-16.83	68.2	39.99	32.09	8.84	29.55	400	192	P	H
		5684.4	52.04	-41.65	93.69	40.59	32.17	8.83	29.55	400	192	P	H
		5701.8	52.01	-53.69	105.7	40.55	32.19	8.82	29.55	400	192	P	H
		5721.2	51.8	-61.74	113.54	40.32	32.21	8.82	29.55	400	192	P	H
	*	5785	112.3	-	-	100.77	32.29	8.8	29.56	400	192	P	H
	*	5785	104.63	-	-	93.1	32.29	8.8	29.56	400	192	A	H
		5850.8	52.16	-68.22	120.38	40.49	32.38	8.85	29.56	400	192	P	H
		5869.8	51.91	-54.74	106.65	40.2	32.41	8.86	29.56	400	192	P	H
		5896.2	52.97	-36.5	89.47	41.18	32.46	8.89	29.56	400	192	P	H
		5947	51.84	-16.36	68.2	39.94	32.53	8.93	29.56	400	192	P	H
802.11n													H
HT20													H
CH 157		5607.4	52.76	-15.44	68.2	41.42	32.04	8.85	29.55	205	36	P	V
5785MHz		5657.4	51.67	-22.03	73.7	40.26	32.12	8.84	29.55	205	36	P	V
		5714.8	52.38	-56.97	109.35	40.92	32.19	8.82	29.55	205	36	P	V
		5722.8	52.35	-64.83	117.18	40.87	32.21	8.82	29.55	205	36	P	V
	*	5785	114.8	-	-	103.27	32.29	8.8	29.56	205	36	P	V
	*	5785	106.96	-	-	95.43	32.29	8.8	29.56	205	36	A	V
		5851.8	52.79	-65.31	118.1	41.12	32.38	8.85	29.56	205	36	P	V
		5874.6	53.17	-52.14	105.31	41.43	32.43	8.87	29.56	205	36	P	V
		5880	53.25	-48.24	101.49	41.51	32.43	8.87	29.56	205	36	P	V
		5929.2	51.45	-16.75	68.2	39.59	32.5	8.92	29.56	205	36	P	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	114.68	-	-	103.06	32.36	8.82	29.56	204	115	P	H
	*	5825	106.64	-	-	95.02	32.36	8.82	29.56	204	115	A	H
		5850.2	65.66	-56.08	121.74	53.99	32.38	8.85	29.56	204	115	P	H
		5855.4	56.87	-53.82	110.69	45.17	32.41	8.85	29.56	204	115	P	H
		5877.4	53.1	-50.32	103.42	41.36	32.43	8.87	29.56	204	115	P	H
		5945.6	51.11	-17.09	68.2	39.21	32.53	8.93	29.56	204	115	P	H
802.11n													H
HT20													H
CH 165	*	5825	116.92	-	-	105.3	32.36	8.82	29.56	240	335	P	V
5825MHz	*	5825	109.22	-	-	97.6	32.36	8.82	29.56	240	335	A	V
		5850.2	65.55	-56.19	121.74	53.88	32.38	8.85	29.56	240	335	P	V
		5859.4	56.98	-52.59	109.57	45.28	32.41	8.85	29.56	240	335	P	V
		5880.2	54.3	-47.04	101.34	42.56	32.43	8.87	29.56	240	335	P	V
		5947.6	53	-15.2	68.2	41.1	32.53	8.93	29.56	240	335	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	57.47	-16.53	74	61.11	39.92	12.74	56.3	199	56	P	H
		11490	46.55	-7.45	54	50.19	39.92	12.74	56.3	199	56	A	H
802.11n		17235	48.46	-19.74	68.2	49.08	40.84	15.11	56.57	100	0	P	H
HT20													H
CH 149		11490	58.94	-15.06	74	62.58	39.92	12.74	56.3	320	10	P	V
5745MHz		11490	48.92	-5.08	54	52.56	39.92	12.74	56.3	320	10	A	V
		17235	48.83	-19.37	68.2	49.45	40.84	15.11	56.57	100	0	P	V
													V
		11570	48.09	-25.91	74	51.85	39.76	12.78	56.3	100	0	P	H
		17355	49.46	-18.74	68.2	49.86	41.26	15.15	56.81	100	0	P	H
802.11n													H
HT20													H
CH 157		11570	48.77	-25.23	74	52.53	39.76	12.78	56.3	100	0	P	V
5785MHz		17355	48.55	-19.65	68.2	48.95	41.26	15.15	56.81	100	0	P	V
													V
													V
		11650	49.97	-24.03	74	53.83	39.62	12.82	56.3	100	0	P	H
		17475	50.68	-17.52	68.2	50.85	41.68	15.2	57.05	100	0	P	H
802.11n													H
HT20													H
CH 165		11650	52.69	-21.31	74	56.55	39.62	12.82	56.3	191	19	P	V
5825MHz		11650	43.67	-10.33	54	47.53	39.62	12.82	56.3	191	19	A	V
		17475	50.76	-17.44	68.2	50.93	41.68	15.2	57.05	100	0	P	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5648.2	51.93	-16.27	68.2	40.55	32.09	8.84	29.55	400	181	P	H
		5689.8	56.8	-40.88	97.68	45.35	32.17	8.83	29.55	400	181	P	H
		5718	76.39	-33.85	110.24	64.91	32.21	8.82	29.55	400	181	P	H
		5721.8	74.46	-40.44	114.9	62.98	32.21	8.82	29.55	400	181	P	H
	*	5755	112.41	-	-	100.9	32.26	8.81	29.56	400	181	P	H
	*	5755	104.97	-	-	93.46	32.26	8.81	29.56	400	181	A	H
		5853.8	52.54	-61	113.54	40.84	32.41	8.85	29.56	400	181	P	H
		5861.2	52.4	-56.66	109.06	40.69	32.41	8.86	29.56	400	181	P	H
		5886.6	52.68	-43.91	96.59	40.93	32.43	8.88	29.56	400	181	P	H
		5945.4	52.63	-15.57	68.2	40.73	32.53	8.93	29.56	400	181	P	H
802.11n													H
HT40													H
CH 151		5649.2	52.01	-16.19	68.2	40.63	32.09	8.84	29.55	200	19	P	V
5755MHz		5700	58.71	-46.49	105.2	47.26	32.17	8.83	29.55	200	19	P	V
		5717.4	78.51	-31.56	110.07	67.05	32.19	8.82	29.55	200	19	P	V
		5721.8	80.54	-34.36	114.9	69.06	32.21	8.82	29.55	200	19	P	V
	*	5755	113.32	-	-	101.81	32.26	8.81	29.56	200	19	P	V
	*	5755	105.89	-	-	94.38	32.26	8.81	29.56	200	19	A	V
		5850.4	52.13	-69.16	121.29	40.46	32.38	8.85	29.56	200	19	P	V
		5874.6	52.95	-52.36	105.31	41.21	32.43	8.87	29.56	200	19	P	V
		5898.4	52.49	-35.36	87.85	40.7	32.46	8.89	29.56	200	19	P	V
		5938.8	53.24	-14.96	68.2	41.35	32.53	8.92	29.56	200	19	P	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5625.6	51.12	-17.08	68.2	39.76	32.07	8.84	29.55	400	182	P	H
		5699.2	54.62	-49.99	104.61	43.17	32.17	8.83	29.55	400	182	P	H
		5718.2	58.39	-51.91	110.3	46.91	32.21	8.82	29.55	400	182	P	H
		5725	58.76	-63.44	122.2	47.28	32.21	8.82	29.55	400	182	P	H
	*	5795	112.73	-	-	101.18	32.31	8.8	29.56	400	182	P	H
	*	5795	105.33	-	-	93.78	32.31	8.8	29.56	400	182	A	H
		5850	65.7	-56.5	122.2	54.03	32.38	8.85	29.56	400	182	P	H
		5856.8	65.08	-45.22	110.3	53.38	32.41	8.85	29.56	400	182	P	H
		5876.4	58.94	-45.22	104.16	47.2	32.43	8.87	29.56	400	182	P	H
		5947.6	52.75	-15.45	68.2	40.85	32.53	8.93	29.56	400	182	P	H
802.11n													H
HT40													H
CH 159		5645	52.48	-15.72	68.2	41.1	32.09	8.84	29.55	191	44	P	V
5795MHz		5699	52.27	-52.19	104.46	40.82	32.17	8.83	29.55	191	44	P	V
		5714.8	54.79	-54.56	109.35	43.33	32.19	8.82	29.55	191	44	P	V
		5724.6	56.82	-64.47	121.29	45.34	32.21	8.82	29.55	191	44	P	V
	*	5795	113.71	-	-	102.16	32.31	8.8	29.56	191	44	P	V
	*	5795	106.65	-	-	95.1	32.31	8.8	29.56	191	44	A	V
		5851.8	60.48	-57.62	118.1	48.81	32.38	8.85	29.56	191	44	P	V
		5856.8	59.98	-50.32	110.3	48.28	32.41	8.85	29.56	191	44	P	V
		5883.8	55.24	-43.43	98.67	43.49	32.43	8.88	29.56	191	44	P	V
		5943.2	52.06	-16.14	68.2	40.16	32.53	8.93	29.56	191	44	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	53.51	-20.49	74	57.16	39.9	12.75	56.3	205	59	P	H
		11510	44.05	-9.95	54	47.7	39.9	12.75	56.3	205	59	A	H
802.11n		17265	50.14	-18.06	68.2	50.69	40.96	15.12	56.63	100	0	P	H
HT40													H
CH 151		11510	53.81	-20.19	74	57.46	39.9	12.75	56.3	265	6	P	V
5755MHz		11510	44.9	-9.1	54	48.55	39.9	12.75	56.3	265	6	A	V
		17265	48.96	-19.24	68.2	49.51	40.96	15.12	56.63	100	0	P	V
													V
		11590	49.27	-24.73	74	53.05	39.73	12.79	56.3	100	0	P	H
		17385	50.67	-17.53	68.2	50.99	41.38	15.17	56.87	100	0	P	H
802.11n													H
HT40													H
CH 159		11590	49.56	-24.44	74	53.34	39.73	12.79	56.3	100	0	P	V
5795MHz		17385	49.45	-18.75	68.2	49.77	41.38	15.17	56.87	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5631.4	56	-12.2	68.2	44.64	32.07	8.84	29.55	400	182	P	H
		5695.8	74.84	-27.26	102.1	63.39	32.17	8.83	29.55	400	182	P	H
		5715.6	77.09	-32.48	109.57	65.63	32.19	8.82	29.55	400	182	P	H
		5724.2	77.32	-43.06	120.38	65.84	32.21	8.82	29.55	400	182	P	H
	*	5775	109.79	-	-	98.25	32.29	8.81	29.56	400	182	P	H
	*	5775	101.86	-	-	90.32	32.29	8.81	29.56	400	182	A	H
		5851	76.5	-43.42	119.92	64.83	32.38	8.85	29.56	400	182	P	H
		5855.8	72.99	-37.59	110.58	61.29	32.41	8.85	29.56	400	182	P	H
		5875.6	65.87	-38.88	104.75	54.13	32.43	8.87	29.56	400	182	P	H
		5947	53.84	-14.36	68.2	41.94	32.53	8.93	29.56	400	182	P	H
802.11ac													H
VHT80													H
CH 155		5631.6	55.22	-12.98	68.2	43.86	32.07	8.84	29.55	194	36	P	V
5775MHz		5692.6	73.53	-26.21	99.74	62.08	32.17	8.83	29.55	194	36	P	V
		5705.6	76.52	-30.25	106.77	65.06	32.19	8.82	29.55	194	36	P	V
		5721.2	79.63	-33.91	113.54	68.15	32.21	8.82	29.55	194	36	P	V
	*	5775	111.12	-	-	99.58	32.29	8.81	29.56	194	36	P	V
	*	5775	103.66	-	-	92.12	32.29	8.81	29.56	194	36	A	V
		5850.6	74.37	-46.46	120.83	62.7	32.38	8.85	29.56	194	36	P	V
		5869.2	71.79	-35.03	106.82	60.08	32.41	8.86	29.56	194	36	P	V
		5881.4	65.36	-35.09	100.45	53.62	32.43	8.87	29.56	194	36	P	V
		5925.6	53.05	-15.15	68.2	41.2	32.5	8.91	29.56	194	36	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+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	46.98	-27.02	74	50.71	39.8	12.77	56.3	100	0	P	H
		17325	50.45	-17.75	68.2	50.92	41.14	15.14	56.75	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	48.31	-25.69	74	52.04	39.8	12.77	56.3	100	0	P	V
5775MHz		17325	48.82	-19.38	68.2	49.29	41.14	15.14	56.75	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 HT20 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		85.08	32.19	-7.81	40	49.18	14.02	1.22	32.23	-	-	P	H
		140.97	39.69	-3.81	43.5	53.1	17.32	1.45	32.18	100	0	P	H
		193.08	33.8	-9.7	43.5	49.34	14.89	1.71	32.14	-	-	P	H
		300	29.92	-16.08	46	40.84	19.13	2.1	32.15	-	-	P	H
		498.1	36.18	-9.82	46	41.76	23.93	2.66	32.17	-	-	P	H
		984.6	34.74	-19.26	54	31.07	30.64	3.72	30.69	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11n													H
HT20		37.83	31.63	-8.37	40	42.69	20.4	0.83	32.29	-	-	P	V
LF		114.78	32.63	-10.87	43.5	46.47	16.98	1.38	32.2	-	-	P	V
		140.7	32.06	-11.44	43.5	45.47	17.32	1.45	32.18	-	-	P	V
		497.4	39.25	-6.75	46	44.86	23.91	2.65	32.17	100	0	P	V
		568.8	35.27	-10.73	46	38.92	25.68	2.89	32.22	-	-	P	V
		893.6	33.66	-12.34	46	32.53	29.03	3.54	31.44	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

<TXBF Mode>

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5646.6	53.86	-14.34	68.2	42.48	32.09	8.84	29.55	259	86	P	H
		5698	64.3	-39.43	103.73	52.85	32.17	8.83	29.55	259	86	P	H
		5716.4	67.63	-42.16	109.79	56.17	32.19	8.82	29.55	259	86	P	H
		5725	67.93	-54.27	122.2	56.45	32.21	8.82	29.55	259	86	P	H
	*	5745	114.39	-	-	102.89	32.24	8.81	29.55	259	86	P	H
	*	5745	100.8	-	-	89.3	32.24	8.81	29.55	259	86	A	H
802.11ac													H
VHT20													H
CH 149		5645.2	53.38	-14.82	68.2	42	32.09	8.84	29.55	283	177	P	V
5745MHz		5686.6	59.71	-35.61	95.32	48.26	32.17	8.83	29.55	283	177	P	V
		5716.8	65.51	-44.4	109.91	54.05	32.19	8.82	29.55	283	177	P	V
		5724	65.16	-54.76	119.92	53.68	32.21	8.82	29.55	283	177	P	V
	*	5745	111.59	-	-	100.09	32.24	8.81	29.55	283	177	P	V
	*	5745	97.24	-	-	85.74	32.24	8.81	29.55	283	177	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5613.6	52.4	-15.8	68.2	41.06	32.04	8.85	29.55	251	85	P	H
		5695.2	56.74	-44.92	101.66	45.29	32.17	8.83	29.55	251	85	P	H
		5719.6	59.53	-51.16	110.69	48.05	32.21	8.82	29.55	251	85	P	H
		5725	57.85	-64.35	122.2	46.37	32.21	8.82	29.55	251	85	P	H
	*	5785	114.32	-	-	102.79	32.29	8.8	29.56	251	85	P	H
	*	5785	100.86	-	-	89.33	32.29	8.8	29.56	251	85	A	H
		5854.6	57.95	-53.76	111.71	46.25	32.41	8.85	29.56	251	85	P	H
		5864.4	58.01	-50.16	108.17	46.3	32.41	8.86	29.56	251	85	P	H
		5887.4	56.6	-39.39	95.99	44.85	32.43	8.88	29.56	251	85	P	H
		5949	51.91	-16.29	68.2	40.01	32.53	8.93	29.56	251	85	P	H
802.11ac													H
VHT20													H
CH 157		5618.8	52.13	-16.07	68.2	40.76	32.07	8.85	29.55	259	177	P	V
5785MHz		5695	53.31	-48.2	101.51	41.86	32.17	8.83	29.55	259	177	P	V
		5713.4	56.77	-52.18	108.95	45.31	32.19	8.82	29.55	259	177	P	V
		5722.8	51	-66.18	117.18	39.52	32.21	8.82	29.55	259	177	P	V
	*	5785	109.95	-	-	98.42	32.29	8.8	29.56	259	177	P	V
	*	5785	97.01	-	-	85.48	32.29	8.8	29.56	259	177	A	V
		5851	55.66	-64.26	119.92	43.99	32.38	8.85	29.56	259	177	P	V
		5857.8	57.15	-52.86	110.01	45.45	32.41	8.85	29.56	259	177	P	V
		5892.4	53.1	-39.19	92.29	41.32	32.46	8.88	29.56	259	177	P	V
		5933.2	51.97	-16.23	68.2	40.11	32.5	8.92	29.56	259	177	P	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	113.81	-	-	102.19	32.36	8.82	29.56	263	94	P	H
	*	5825	100.33	-	-	88.71	32.36	8.82	29.56	263	94	A	H
		5854.4	64.9	-47.27	112.17	53.2	32.41	8.85	29.56	263	94	P	H
		5855.8	64.8	-45.78	110.58	53.1	32.41	8.85	29.56	263	94	P	H
		5881.4	61.86	-38.59	100.45	50.12	32.43	8.87	29.56	263	94	P	H
		5938.2	53.94	-14.26	68.2	42.08	32.5	8.92	29.56	263	94	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	111.19	-	-	99.57	32.36	8.82	29.56	267	178	P	V
5825MHz	*	5825	97.07	-	-	85.45	32.36	8.82	29.56	267	178	A	V
		5850.2	63.51	-58.23	121.74	51.84	32.38	8.85	29.56	267	178	P	V
		5856.8	63.44	-46.86	110.3	51.74	32.41	8.85	29.56	267	178	P	V
		5875.6	60.56	-44.19	104.75	48.82	32.43	8.87	29.56	267	178	P	V
		5926.8	52.13	-16.07	68.2	40.28	32.5	8.91	29.56	267	178	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 VHT20 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	47.35	-26.65	74	50.99	39.92	12.74	56.3	100	0	P	H
		17235	49.73	-18.47	68.2	50.35	40.84	15.11	56.57	100	0	P	H
802.11ac													H
VHT20													H
CH 149		11490	47.31	-26.69	74	50.95	39.92	12.74	56.3	100	0	P	V
5745MHz		17235	48.62	-19.58	68.2	49.24	40.84	15.11	56.57	100	0	P	V
													V
													V
		11570	45.39	-28.61	74	49.15	39.76	12.78	56.3	100	0	P	H
		17355	49.82	-18.38	68.2	50.22	41.26	15.15	56.81	100	0	P	H
802.11ac													H
VHT20													H
CH 157		11570	45.55	-28.45	74	49.31	39.76	12.78	56.3	100	0	P	V
5785MHz		17355	49.91	-18.29	68.2	50.31	41.26	15.15	56.81	100	0	P	V
													V
													V
		11650	45.86	-28.14	74	49.72	39.62	12.82	56.3	100	0	P	H
		17475	50.07	-18.13	68.2	50.24	41.68	15.2	57.05	100	0	P	H
802.11ac													H
VHT20													H
CH 165		11650	46.21	-27.79	74	50.07	39.62	12.82	56.3	100	0	P	V
5825MHz		17475	49.56	-18.64	68.2	49.73	41.68	15.2	57.05	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 VHT40 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5613.4	52.32	-15.88	68.2	40.98	32.04	8.85	29.55	253	84	P	H
		5699.2	55.55	-49.06	104.61	44.1	32.17	8.83	29.55	253	84	P	H
		5717.6	71.82	-38.31	110.13	60.34	32.21	8.82	29.55	253	84	P	H
		5723.8	72.2	-47.26	119.46	60.72	32.21	8.82	29.55	253	84	P	H
	*	5755	112.28	-	-	100.77	32.26	8.81	29.56	253	84	P	H
	*	5755	103	-	-	91.49	32.26	8.81	29.56	253	84	A	H
		5850.8	53.17	-67.21	120.38	41.5	32.38	8.85	29.56	253	84	P	H
		5859.2	52.47	-57.15	109.62	40.77	32.41	8.85	29.56	253	84	P	H
		5893.2	52.52	-39.18	91.7	40.74	32.46	8.88	29.56	253	84	P	H
		5945.6	52.56	-15.64	68.2	40.66	32.53	8.93	29.56	253	84	P	H
802.11ac													H
VHT40													H
CH 151		5648.8	53.55	-14.65	68.2	42.17	32.09	8.84	29.55	256	176	P	V
5755MHz		5694.6	60.32	-40.9	101.22	48.87	32.17	8.83	29.55	256	176	P	V
		5719	69.14	-41.38	110.52	57.66	32.21	8.82	29.55	256	176	P	V
		5723.2	69.74	-48.36	118.1	58.26	32.21	8.82	29.55	256	176	P	V
	*	5755	108.48	-	-	96.97	32.26	8.81	29.56	256	176	P	V
	*	5755	99.22	-	-	87.71	32.26	8.81	29.56	256	176	A	V
		5852.2	52.16	-65.02	117.18	40.49	32.38	8.85	29.56	256	176	P	V
		5861.4	54.13	-54.88	109.01	42.42	32.41	8.86	29.56	256	176	P	V
		5886.4	53.96	-42.78	96.74	42.21	32.43	8.88	29.56	256	176	P	V
		5932.4	51.63	-16.57	68.2	39.77	32.5	8.92	29.56	256	176	P	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5635.8	52.48	-15.72	68.2	41.1	32.09	8.84	29.55	283	93	P	H
		5679.4	52.43	-37.57	90	41.01	32.14	8.83	29.55	283	93	P	H
		5709.2	55.28	-52.5	107.78	43.82	32.19	8.82	29.55	283	93	P	H
		5720.4	54.15	-57.56	111.71	42.67	32.21	8.82	29.55	283	93	P	H
	*	5795	111.56	-	-	100.01	32.31	8.8	29.56	283	93	P	H
	*	5795	102.32	-	-	90.77	32.31	8.8	29.56	283	93	A	H
		5851.2	58.05	-61.41	119.46	46.38	32.38	8.85	29.56	283	93	P	H
		5855.6	60.12	-50.51	110.63	48.42	32.41	8.85	29.56	283	93	P	H
		5903	55.28	-29.16	84.44	43.49	32.46	8.89	29.56	283	93	P	H
		5944.4	53.33	-14.87	68.2	41.43	32.53	8.93	29.56	283	93	P	H
802.11ac													H
VHT40													H
CH 159		5638.2	51.81	-16.39	68.2	40.43	32.09	8.84	29.55	284	175	P	V
5795MHz		5685.6	52.27	-42.31	94.58	40.82	32.17	8.83	29.55	284	175	P	V
		5716.6	52.98	-56.87	109.85	41.52	32.19	8.82	29.55	284	175	P	V
		5723.6	52.34	-66.67	119.01	40.86	32.21	8.82	29.55	284	175	P	V
	*	5795	109.33	-	-	97.78	32.31	8.8	29.56	284	175	P	V
	*	5795	99.96	-	-	88.41	32.31	8.8	29.56	284	175	A	V
		5850.2	54.61	-67.13	121.74	42.94	32.38	8.85	29.56	284	175	P	V
		5856	53.12	-57.4	110.52	41.42	32.41	8.85	29.56	284	175	P	V
		5890.6	53.15	-40.47	93.62	41.37	32.46	8.88	29.56	284	175	P	V
		5931	52.18	-16.02	68.2	40.32	32.5	8.92	29.56	284	175	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 VHT40 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	46.07	-27.93	74	49.72	39.9	12.75	56.3	100	0	P	H
		17265	49.57	-18.63	68.2	50.12	40.96	15.12	56.63	100	0	P	H
802.11ac													H
VHT40													H
CH 151		11510	48.19	-25.81	74	51.84	39.9	12.75	56.3	100	0	P	V
5755MHz		17265	50.08	-18.12	68.2	50.63	40.96	15.12	56.63	100	0	P	V
													V
													V
		11590	45.94	-28.06	74	49.72	39.73	12.79	56.3	100	0	P	H
		17385	49.87	-18.33	68.2	50.19	41.38	15.17	56.87	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	45.85	-28.15	74	49.63	39.73	12.79	56.3	100	0	P	V
5795MHz		17385	49.59	-18.61	68.2	49.91	41.38	15.17	56.87	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5630.4	54.72	-13.48	68.2	43.36	32.07	8.84	29.55	291	93	P	H
		5699.2	61.8	-42.81	104.61	50.35	32.17	8.83	29.55	291	93	P	H
		5718	64.87	-45.37	110.24	53.39	32.21	8.82	29.55	291	93	P	H
		5724.8	65.79	-55.95	121.74	54.31	32.21	8.82	29.55	291	93	P	H
	*	5775	106.99	-	-	95.45	32.29	8.81	29.56	291	93	P	H
	*	5775	97.85	-	-	86.31	32.29	8.81	29.56	291	93	A	H
		5850.2	62.7	-59.04	121.74	51.03	32.38	8.85	29.56	291	93	P	H
		5856.4	60.75	-49.66	110.41	49.05	32.41	8.85	29.56	291	93	P	H
		5877	56.76	-46.95	103.71	45.02	32.43	8.87	29.56	291	93	P	H
		5937.8	51.85	-16.35	68.2	39.99	32.5	8.92	29.56	291	93	P	H
802.11ac													H
VHT80													H
CH 155		5604.6	51.97	-16.23	68.2	40.63	32.04	8.85	29.55	292	177	P	V
5775MHz		5694	58.9	-41.88	100.78	47.45	32.17	8.83	29.55	292	177	P	V
		5711	63.15	-45.13	108.28	51.69	32.19	8.82	29.55	292	177	P	V
		5722	62.09	-53.27	115.36	50.61	32.21	8.82	29.55	292	177	P	V
	*	5775	105.16	-	-	93.62	32.29	8.81	29.56	292	177	P	V
	*	5775	95.1	-	-	83.56	32.29	8.81	29.56	292	177	A	V
		5852.2	61.96	-55.22	117.18	50.29	32.38	8.85	29.56	292	177	P	V
		5859	59.62	-50.06	109.68	47.92	32.41	8.85	29.56	292	177	P	V
		5881	53.86	-46.88	100.74	42.12	32.43	8.87	29.56	292	177	P	V
		5937.2	52.54	-15.66	68.2	40.68	32.5	8.92	29.56	292	177	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	46.68	-27.32	74	50.41	39.8	12.77	56.3	100	0	P	H
		17325	48.75	-19.45	68.2	49.22	41.14	15.14	56.75	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	46.09	-27.91	74	49.82	39.8	12.77	56.3	100	0	P	V
5775MHz		17325	49.21	-18.99	68.2	49.68	41.14	15.14	56.75	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	Path	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)
		103.17	35.98	-7.52	43.5	50.51	16.3	1.38	32.21	-	-	P	H
		116.4	38.89	-4.61	43.5	52.6	17.11	1.38	32.2	-	-	P	H
		141.24	40.39	-3.11	43.5	53.79	17.32	1.46	32.18	100	0	P	H
		358.1	30.08	-15.92	46	39.28	20.65	2.31	32.16	-	-	P	H
		498.1	35.48	-10.52	46	41.06	23.93	2.66	32.17	-	-	P	H
		710.9	31.32	-14.68	46	33.36	26.87	3.16	32.07	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		38.1	34.51	-5.49	40	45.72	20.25	0.83	32.29	100	0	P	V
LF		99.66	37.54	-5.96	43.5	52.6	15.79	1.36	32.21	-	-	P	V
		115.05	36.54	-6.96	43.5	50.37	16.98	1.39	32.2	-	-	P	V
		498.1	37.31	-8.69	46	42.89	23.93	2.66	32.17	-	-	P	V
		922.3	35.72	-10.28	46	33.86	29.46	3.62	31.22	-	-	P	V
		996.5	36.93	-17.07	54	33.35	30.45	3.72	30.59	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission Plots

Test Engineer :	Alex Jheng, Fu Chen, and Wilson Wu	**Temperature :**	24~26°C
		Relative Humidity :	49~53%

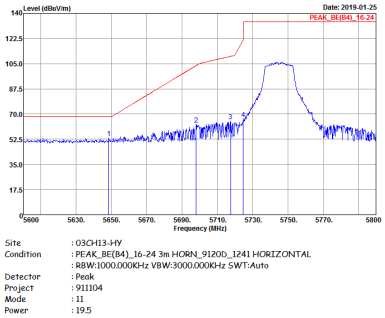
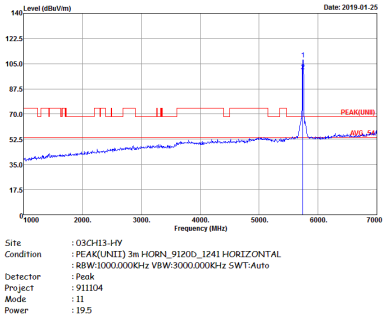
Note symbol

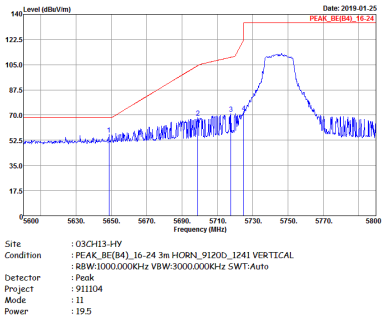
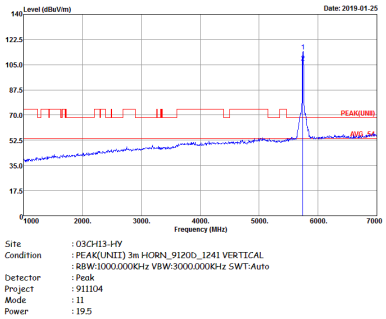
-L	**Low channel location**
-R	**High channel location**

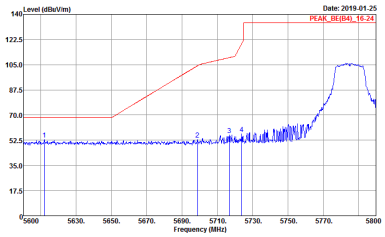
<CDD Mode>

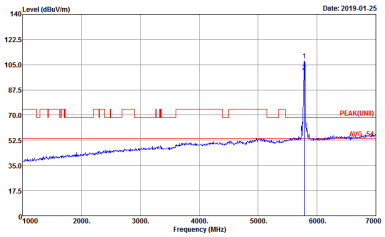
Band 4 - 5725~5850MHz

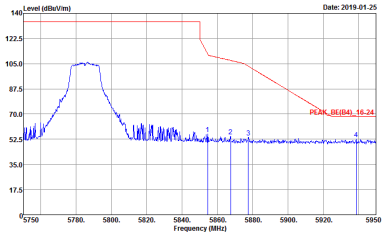
WIFI 802.11a (Band Edge @ 3m)

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

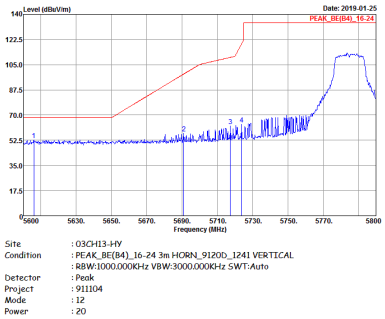
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Vertical	Fundamental
Peak		

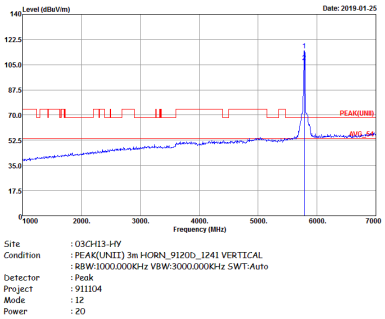
<table>
<tr><td>WIFI</td><td colspan="2">Band 4 5725~5850MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11a CH157 5785MHz</td></tr>
<tr><td>1</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 

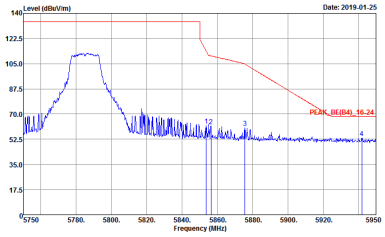
Site : 03CH13-HY
Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : 911104
Mode : 12
Power : 20</td><td> 

Site : 03CH13-HY
Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : 911104
Mode : 12
Power : 20</td></tr>
<tr><td>Peak</td><td> 

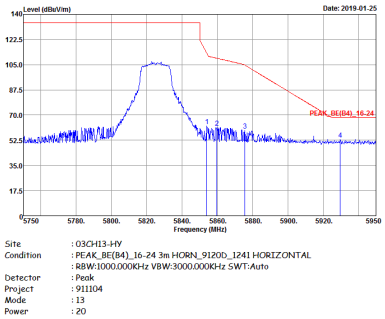
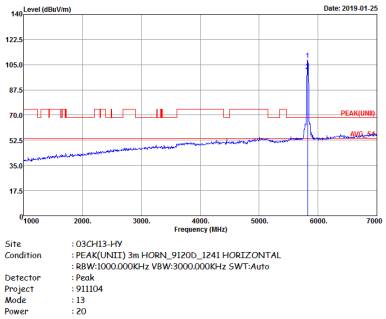
Site : 03CH13-HY
Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : 911104
Mode : 12
Power : 20</td><td>Left blank</td></tr>
</table>

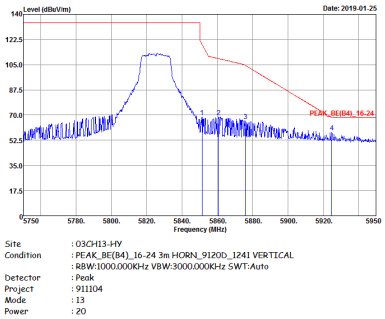
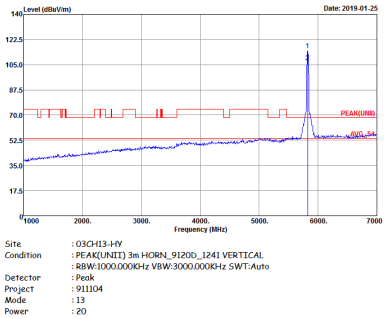
<table>
<tr><td>WIFI</td><td colspan="2">Band 4 5725~5850MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11a CH157 5785MHz</td></tr>
<tr><td>1</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 

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 : 911104
Mode : 12
Power : 20</td><td> 

Site : 03CH13-HY
Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : 911104
Mode : 12
Power : 20</td></tr>
<tr><td>Peak</td><td> 

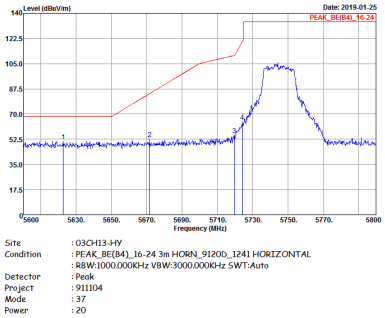
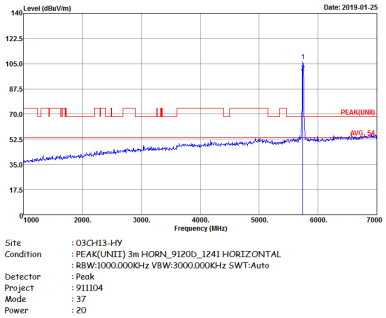
Site : 03CH13-HY
Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : 911104
Mode : 12
Power : 20</td><td>Left blank</td></tr>
</table>

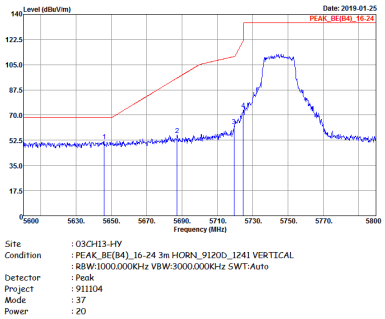
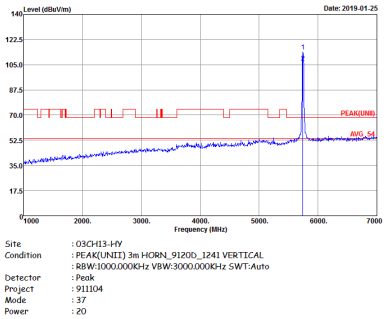
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak		

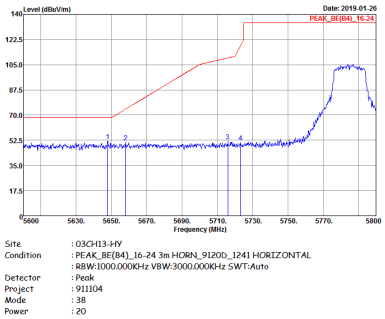
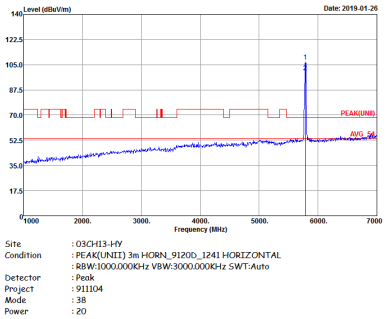
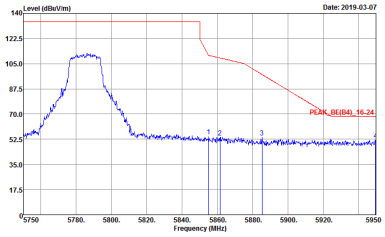
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak		

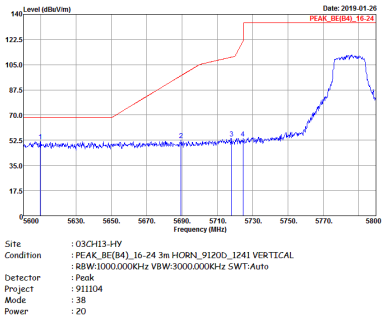
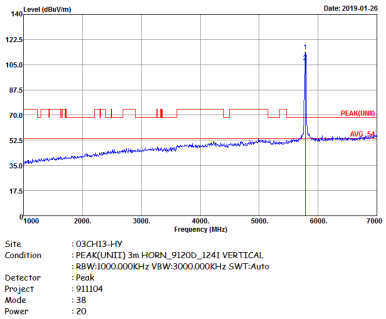
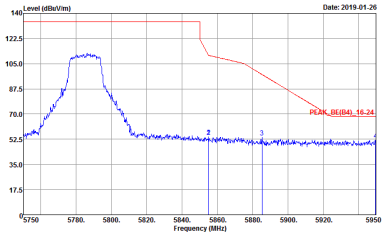
Band 4 5725~5850MHz

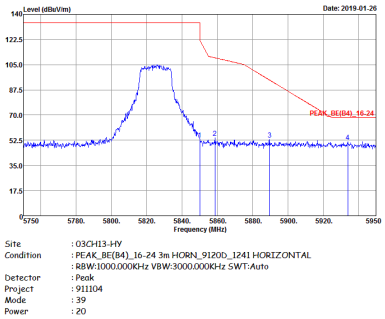
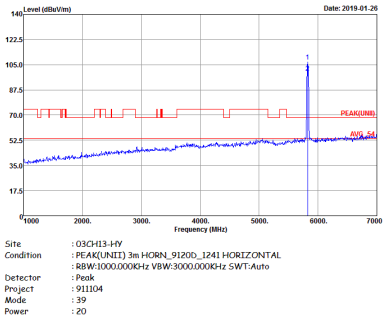
WIFI 802.11n HT20 (Band Edge @ 3m)

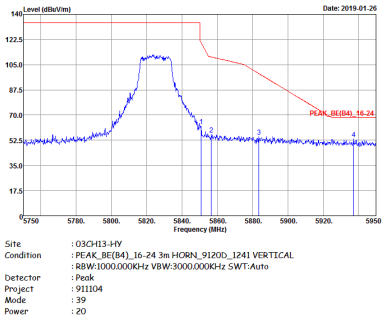
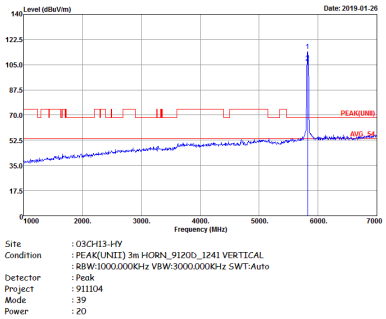
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 37 Power : 20	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 37 Power : 20

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

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 : 911104 Mode : 38 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 38 Power : 20
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 : 911104 Mode : 38 Power : 20	Left blank

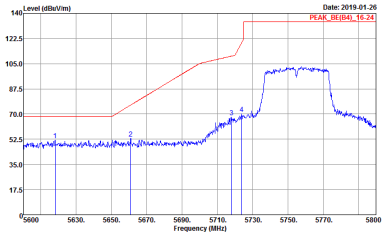
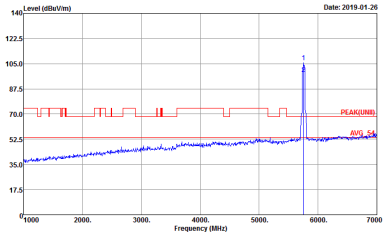
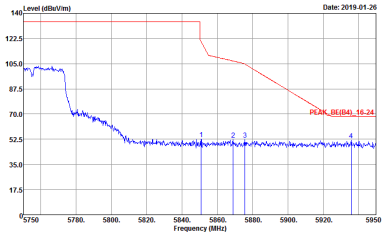
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 38 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 38 Power : 20
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 : 911104 Mode : 38 Power : 20	Left blank

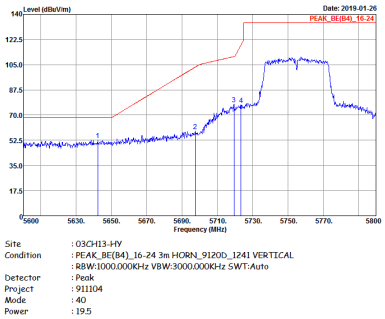
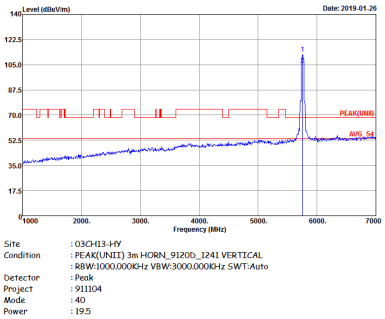
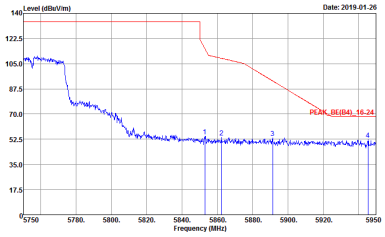
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Fundamental
Peak		

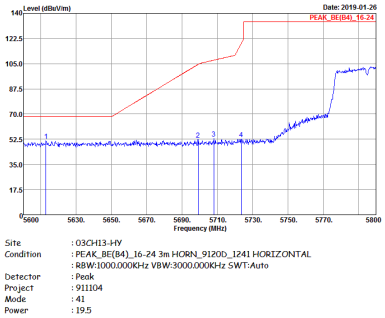
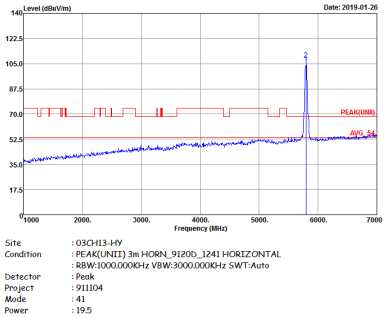
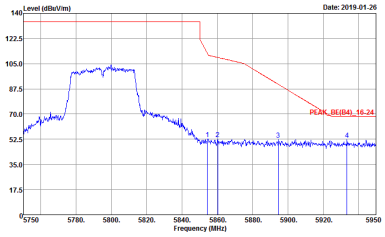
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Vertical	Fundamental
Peak		

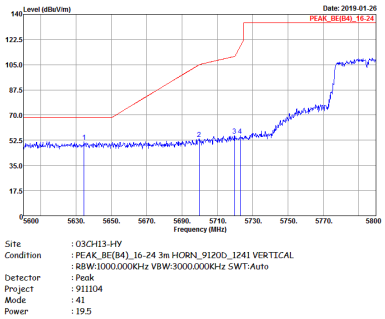
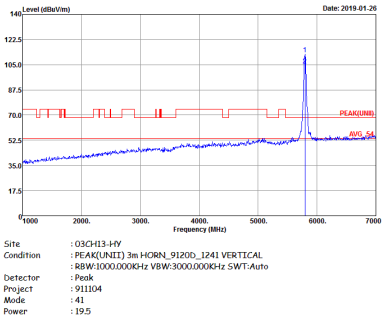
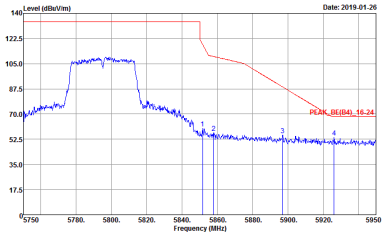
Band 4 5725~5850MHz

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	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 40 Power : 19.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 40 Power : 19.5
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 40 Power : 19.5	Left blank

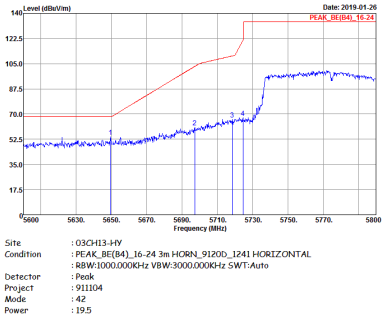
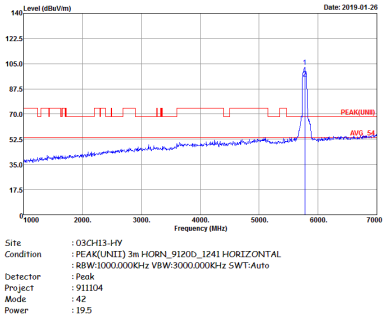
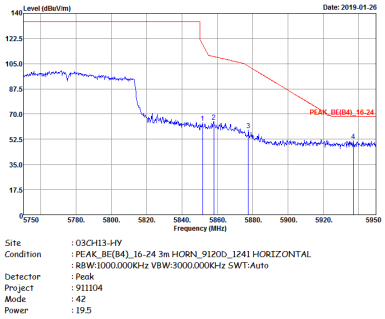
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 40 Power : 19.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 40 Power : 19.5
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 : 911104 Mode : 40 Power : 19.5	Left blank

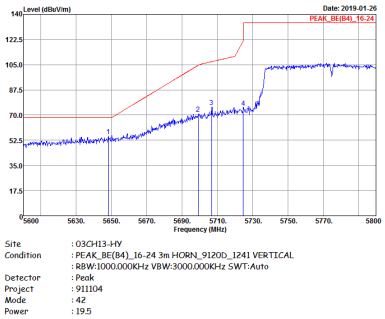
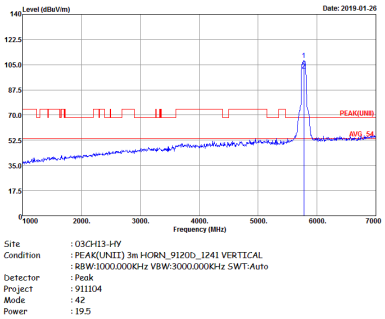
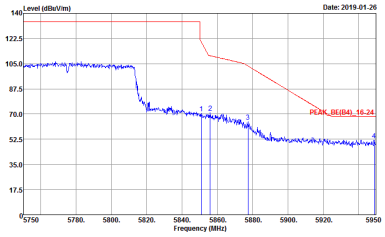
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 41 Power : 19.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 41 Power : 19.5
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 : 911104 Mode : 41 Power : 19.5	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
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 : 911104 Mode : 41 Power : 19.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 41 Power : 19.5
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 : 911104 Mode : 41 Power : 19.5	Left blank

Band 4 5725~5850MHz

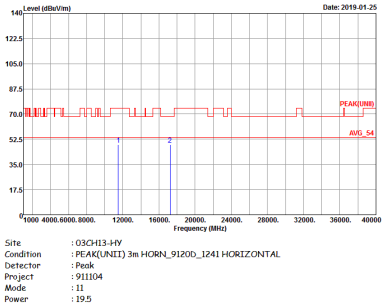
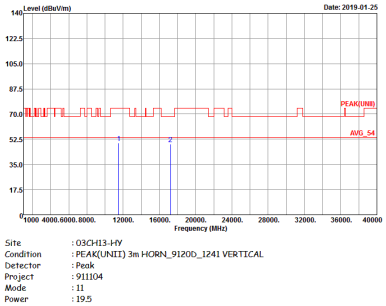
WIFI 802.11ac VHT80 (Band Edge @ 3m)

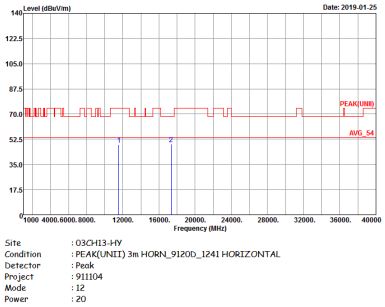
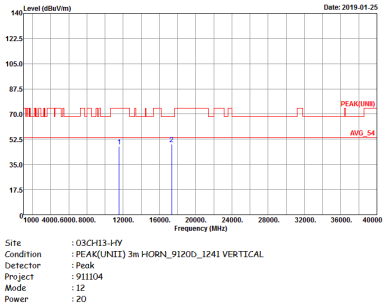
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Fundamental
Peak		
Peak		Left blank

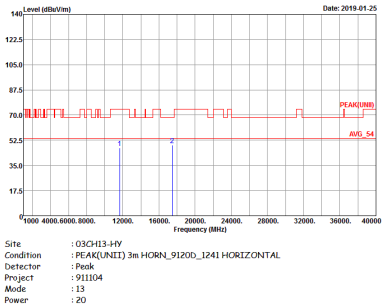
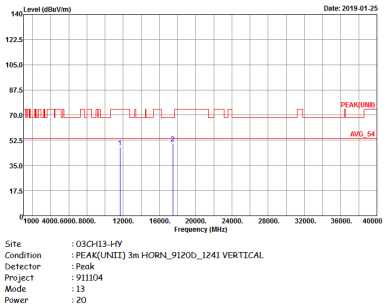
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 42 Power : 19.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 42 Power : 19.5
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 : 911104 Mode : 42 Power : 19.5	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

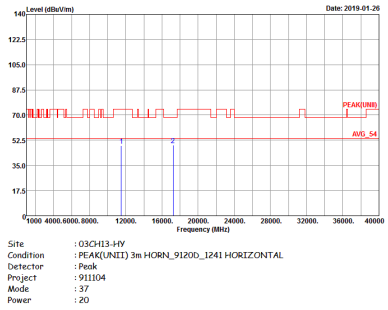
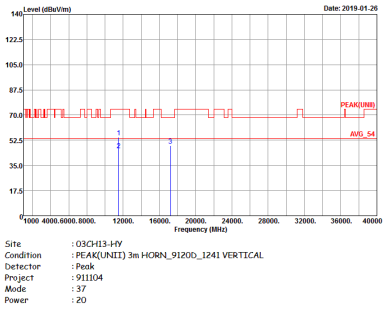
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

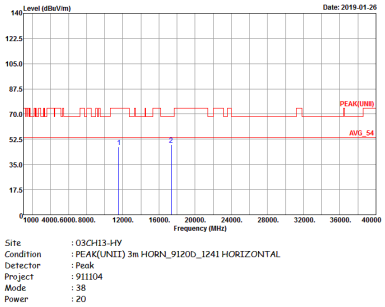
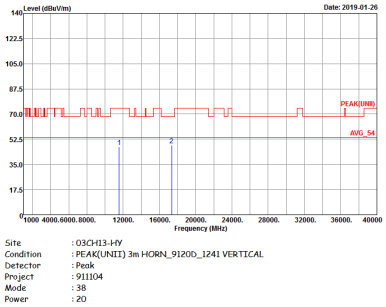
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.		

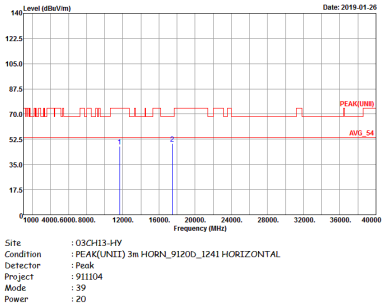
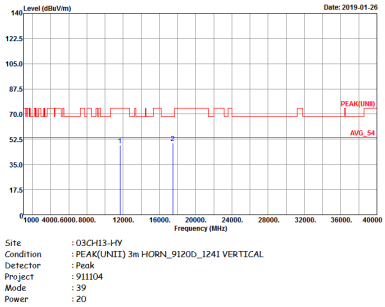
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

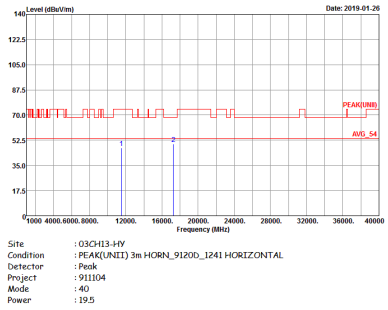
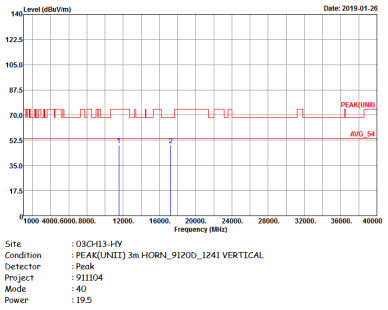
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

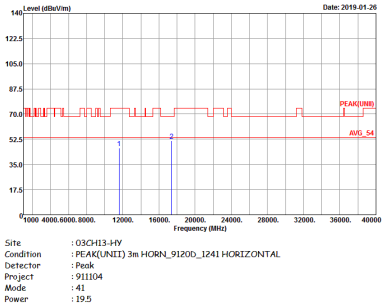
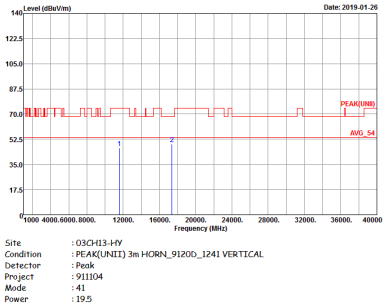
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 4 5725~5850MHz

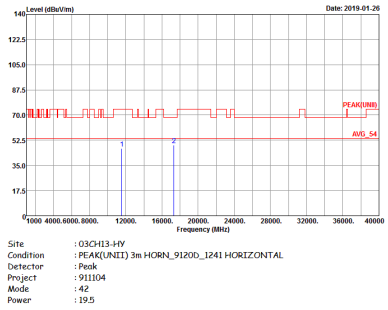
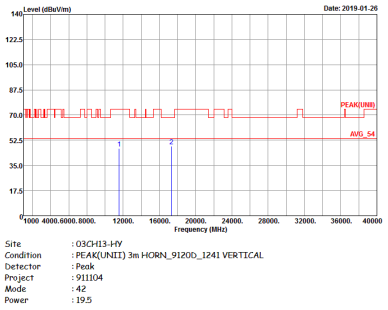
WIFI 802.11n HT40 (Harmonic @ 3m)

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.		

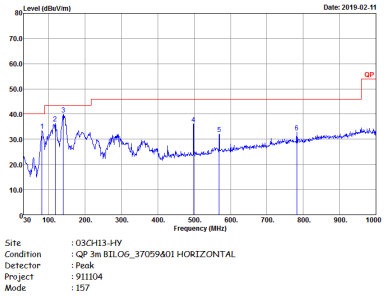
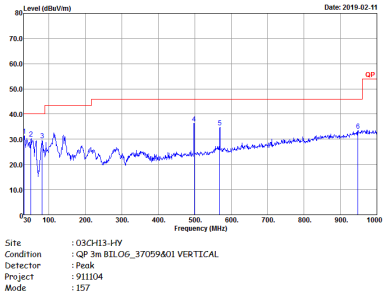
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

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

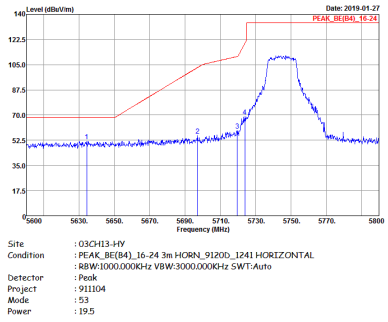
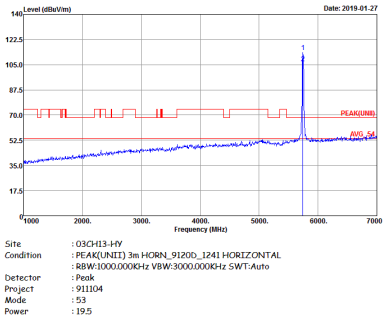
Emission below 1GHz

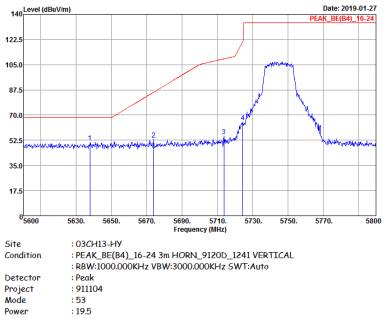
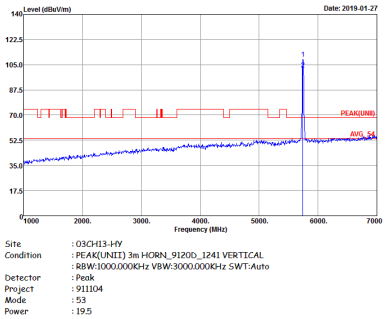
5GHz WIFI 802.11n HT20 (LF)

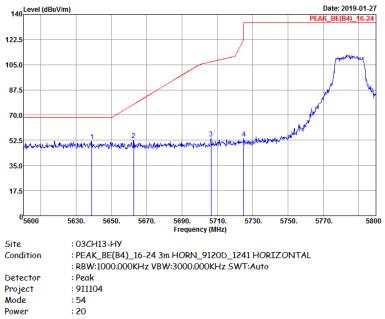
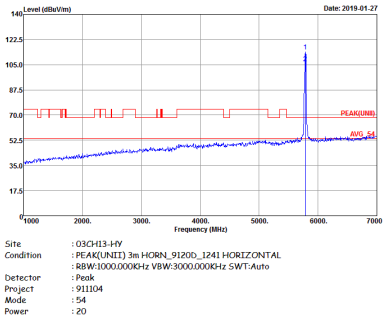
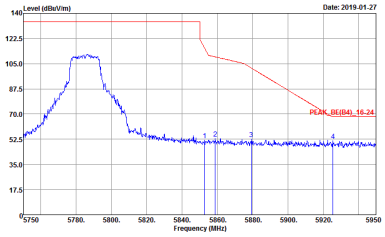
WIFI	5GHz 5725~5850MHz	
ANT	802.11n HT20 LF	
1	Horizontal	Vertical
QP / Peak		

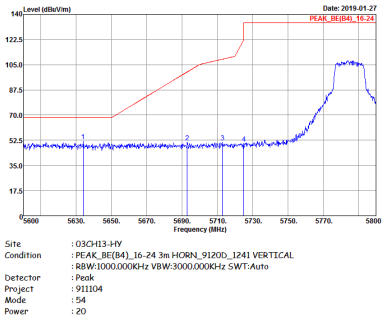
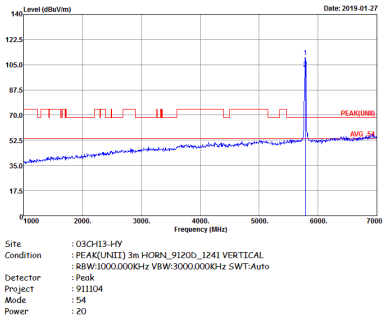
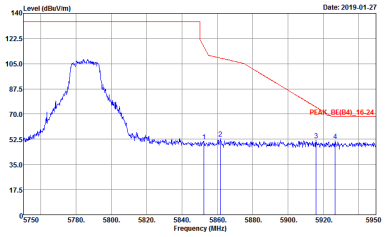
Band 4 - 5725~5850MHz

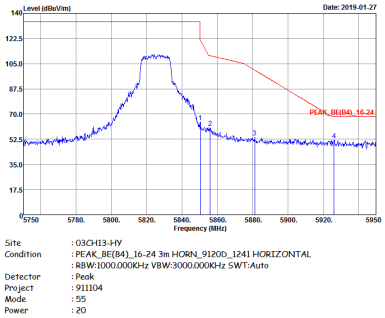
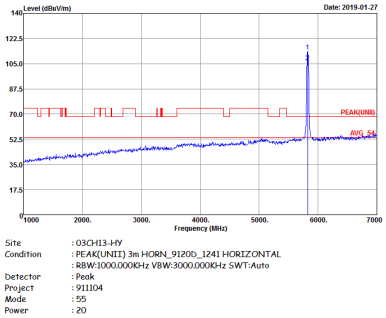
WIFI 802.11a (Band Edge @ 3m)

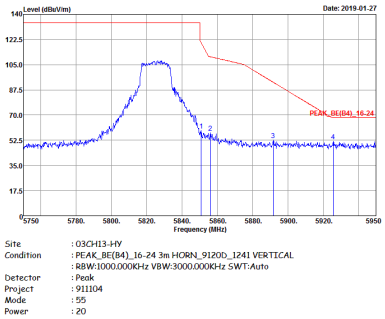
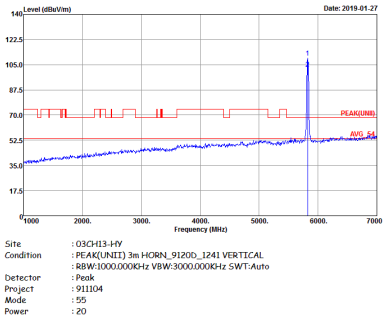
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 53 Power : 19.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 53 Power : 19.5

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 : 911104 Mode : 54 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 54 Power : 20
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 : 911104 Mode : 54 Power : 20	Left blank

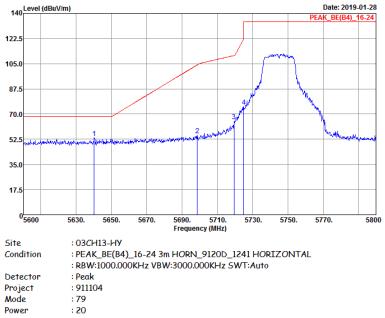
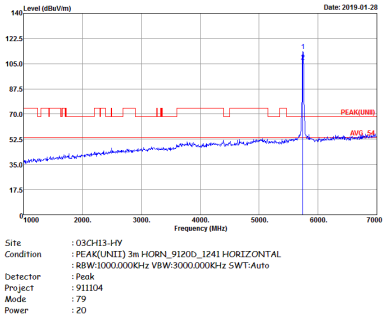
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 54 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 54 Power : 20
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 : 911104 Mode : 54 Power : 20	Left blank

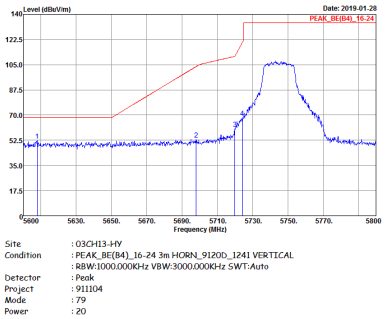
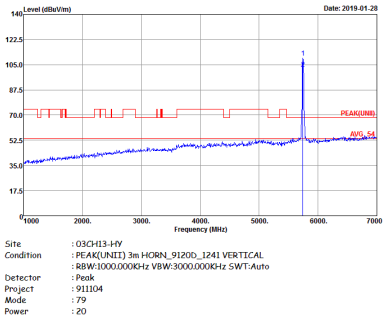
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Fundamental
Peak		

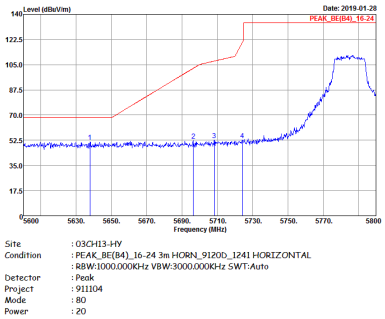
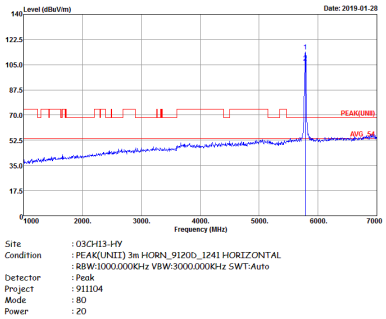
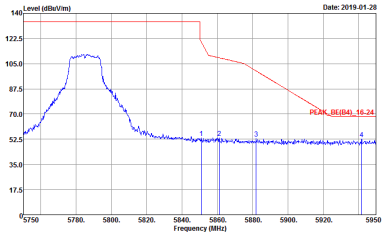
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Vertical	Fundamental
Peak		

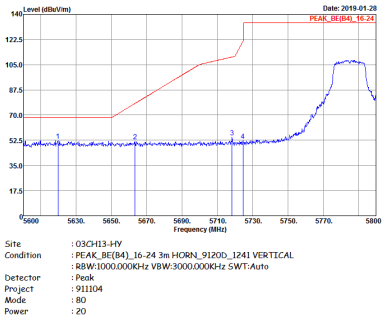
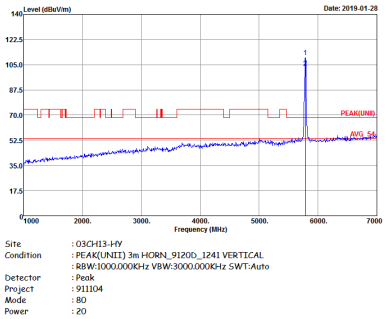
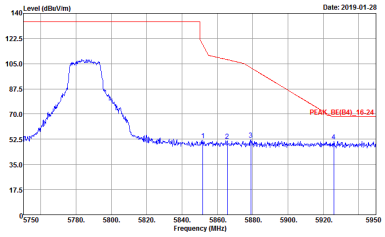
Band 4 5725~5850MHz

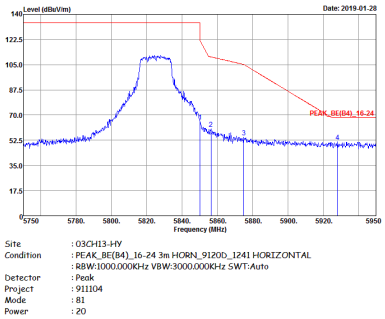
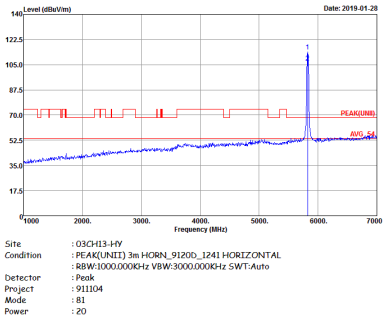
WIFI 802.11n HT20 (Band Edge @ 3m)

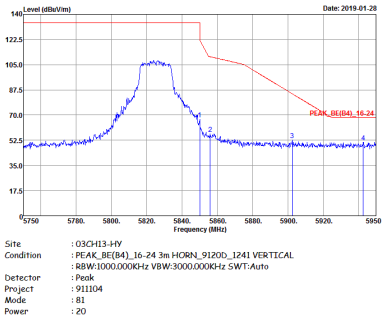
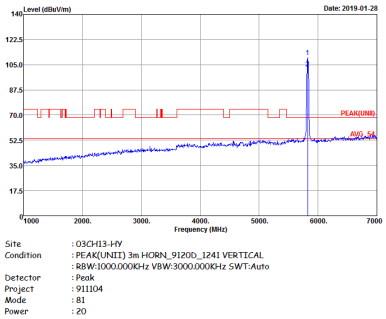
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 79 Power : 20	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 79 Power : 20

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	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 : 911104 Mode : 79 Power : 20	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 79 Power : 20

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 : 911104 Mode : 80 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 80 Power : 20
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 : 911104 Mode : 80 Power : 20	Left blank

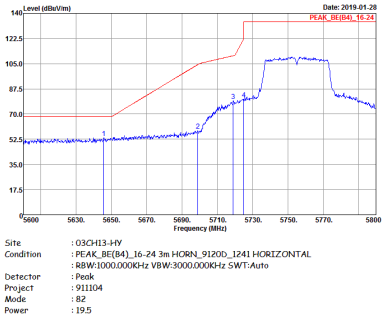
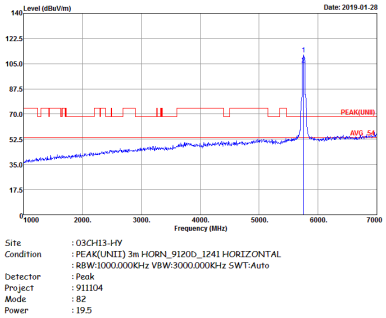
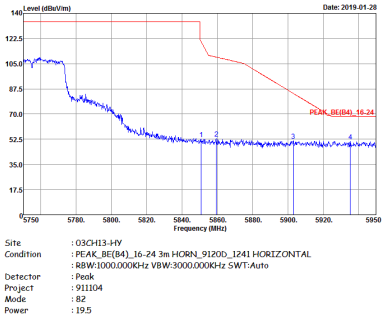
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 80 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 80 Power : 20
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 : 911104 Mode : 80 Power : 20	Left blank

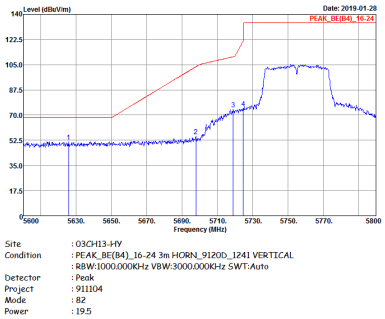
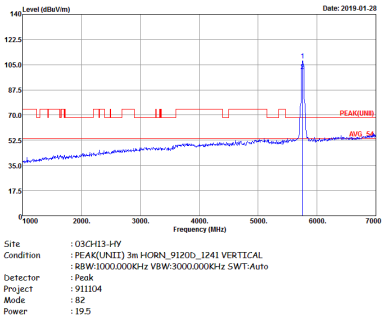
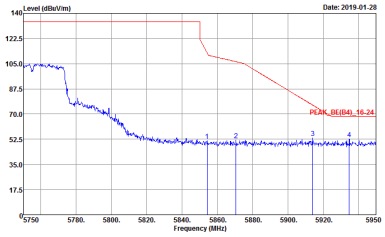
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Fundamental
Peak		

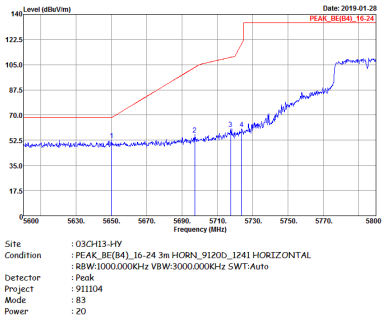
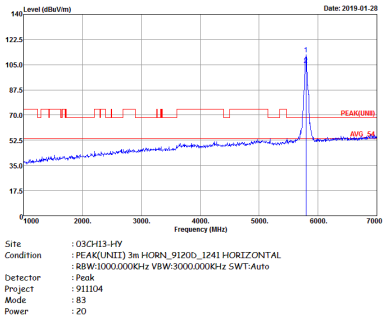
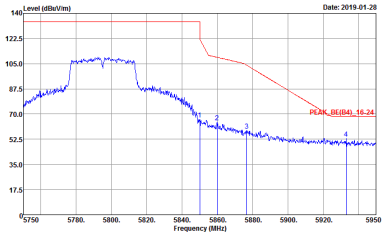
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Vertical	Fundamental
Peak		

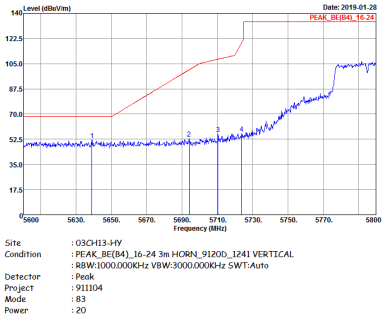
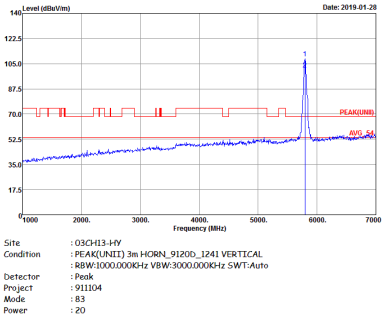
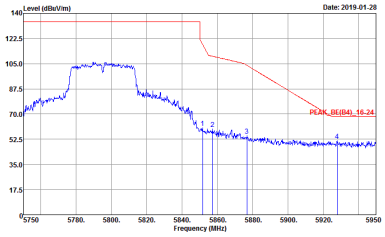
Band 4 5725~5850MHz

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		
Peak		Left blank

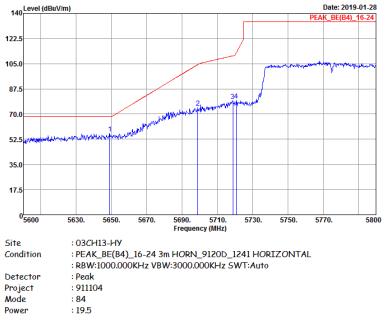
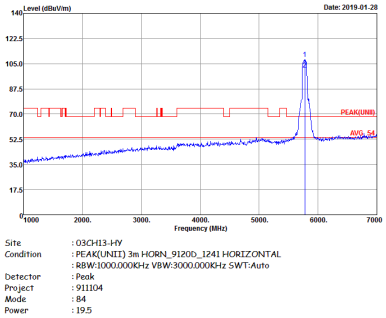
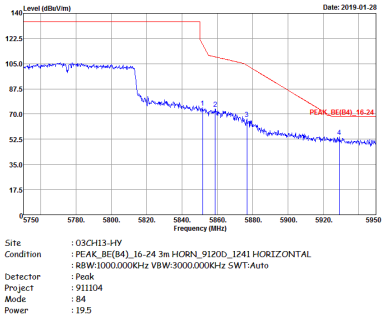
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 82 Power : 19.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 82 Power : 19.5
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 : 911104 Mode : 82 Power : 19.5	Left blank

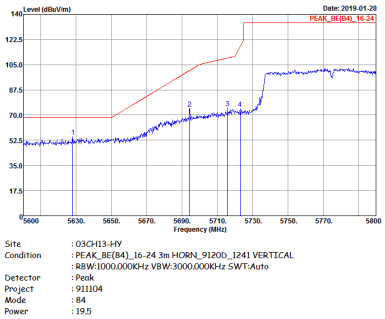
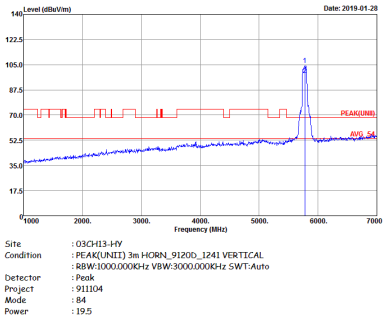
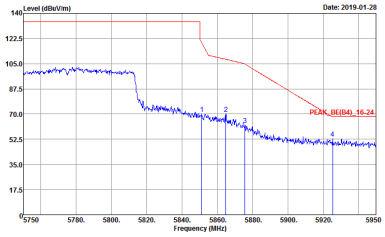
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : B3 Power : 20	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : B3 Power : 20
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : B3 Power : 20	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	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 : 911104 Mode : B3 Power : 20	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : B3 Power : 20
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 : 911104 Mode : B3 Power : 20	Left blank

Band 4 5725~5850MHz

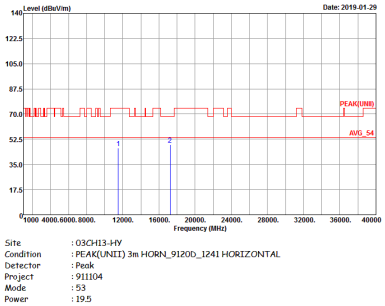
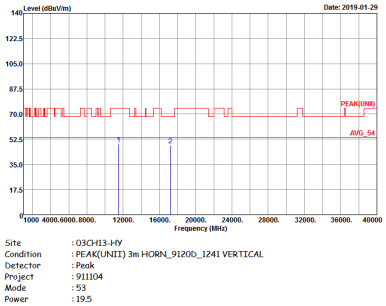
WIFI 802.11ac VHT80 (Band Edge @ 3m)

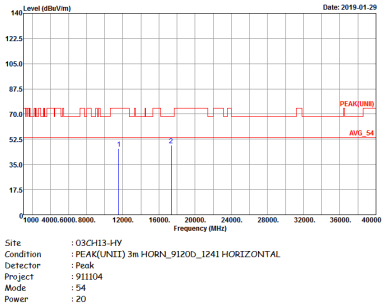
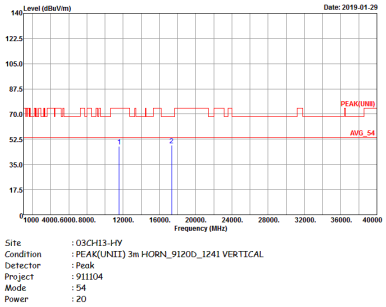
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Horizontal	Fundamental
Peak		
Peak		Left blank

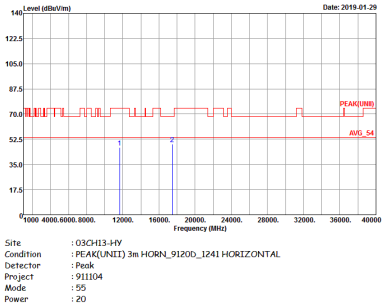
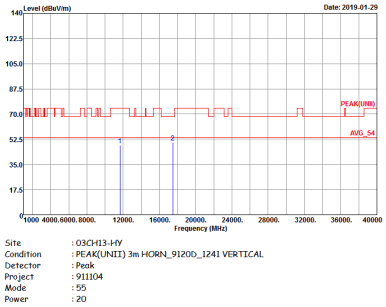
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 84 Power : 19.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 84 Power : 19.5
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 : 911104 Mode : 84 Power : 19.5	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

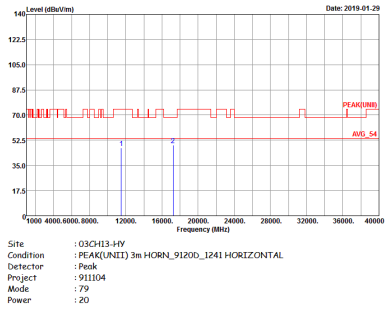
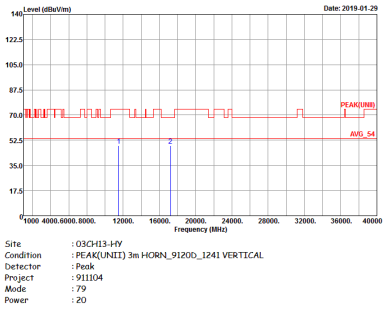
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.		

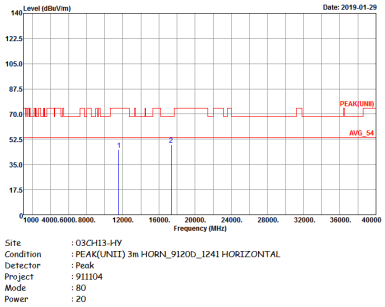
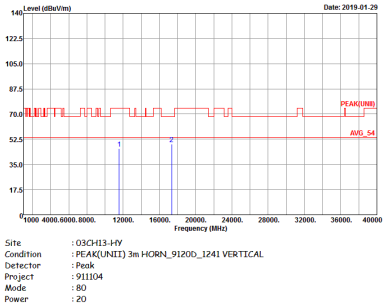
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.		

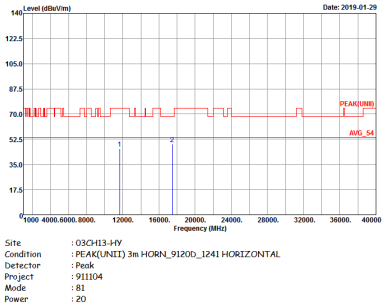
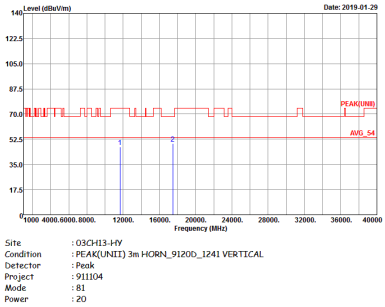
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

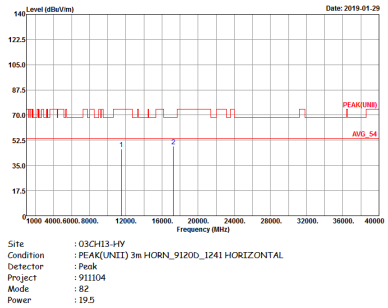
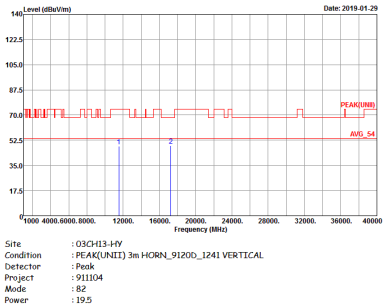
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.		

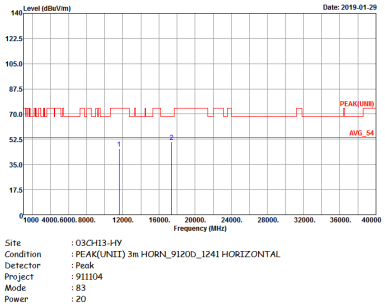
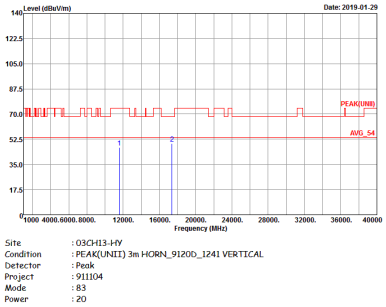
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.		

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

Band 4 5725~5850MHz

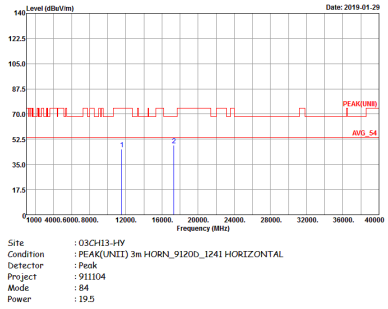
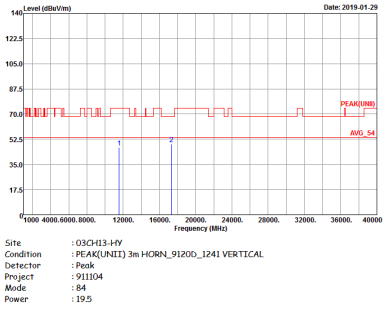
WIFI 802.11n HT40 (Harmonic @ 3m)

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.		

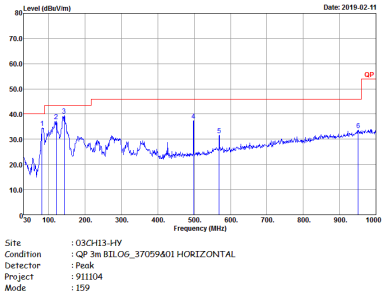
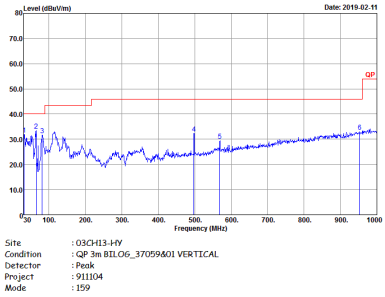
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

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

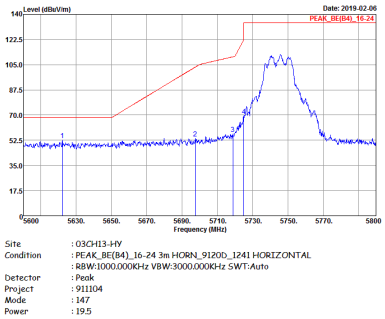
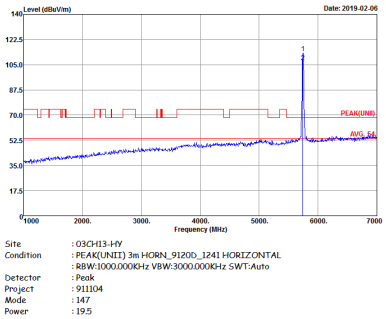
Emission below 1GHz

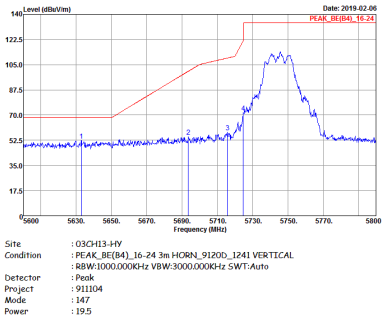
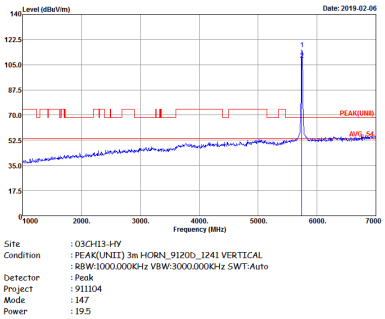
5GHz WIFI 802.11ac VHT80 (LF)

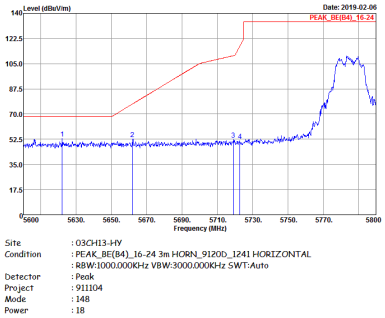
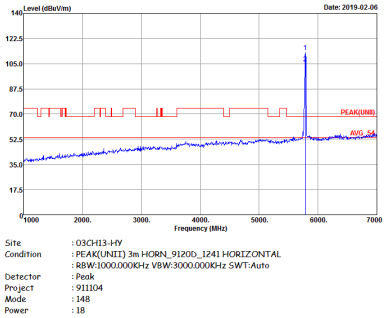
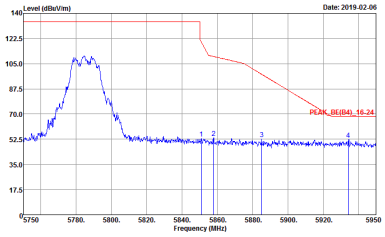
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
2	Horizontal	Vertical
QP / Peak		

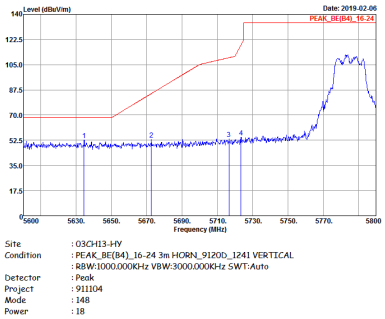
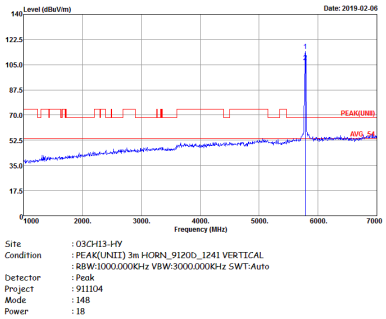
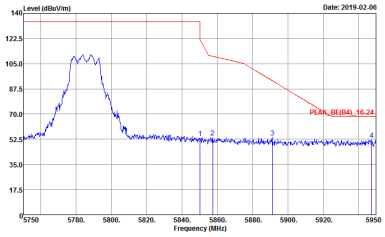
Band 4 - 5725~5850MHz

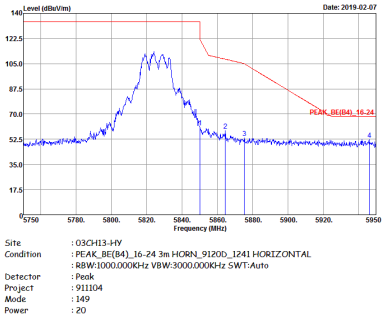
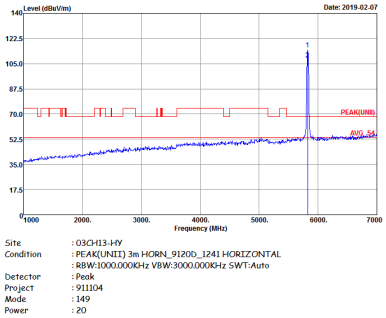
WIFI 802.11a (Band Edge @ 3m)

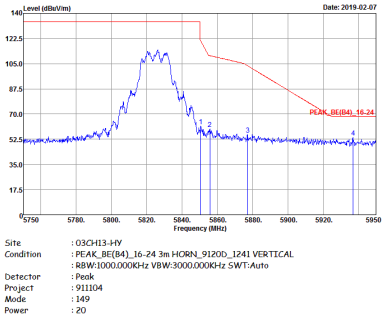
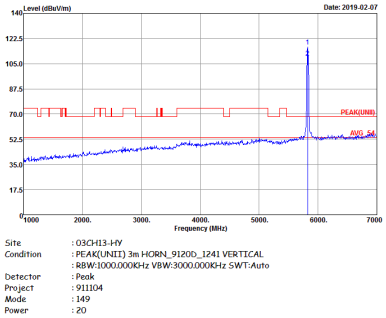
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
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 : 911104 Mode : 147 Power : 19.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 147 Power : 19.5

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a 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 : 911104 Mode : 148 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 148 Power : 18
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 : 911104 Mode : 148 Power : 18	Left blank

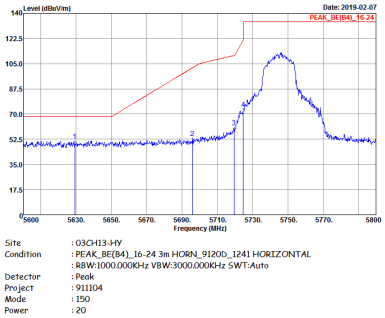
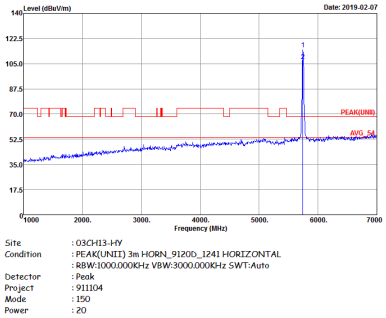
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 148 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 148 Power : 18
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 : 911104 Mode : 148 Power : 18	Left blank

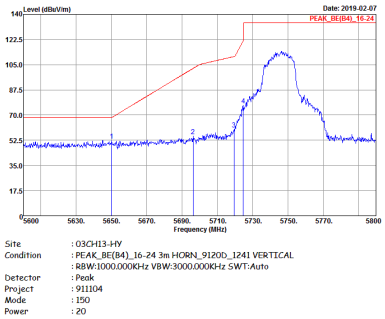
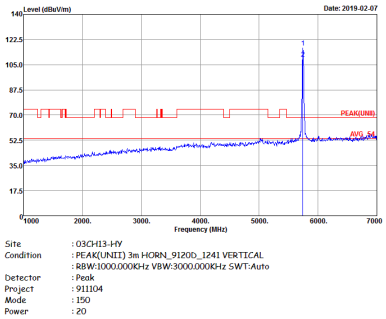
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

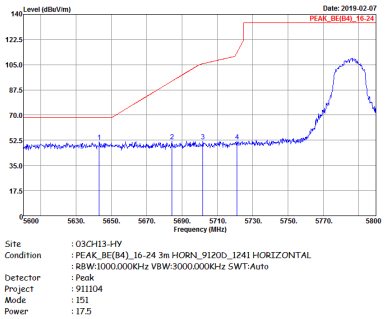
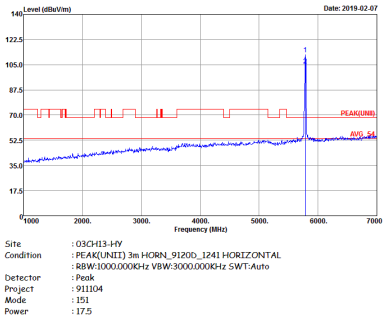
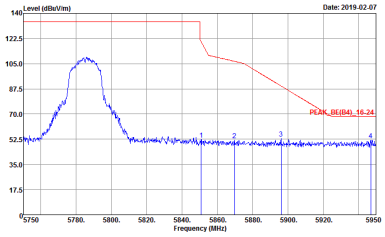
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

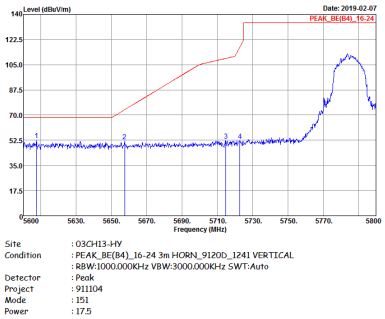
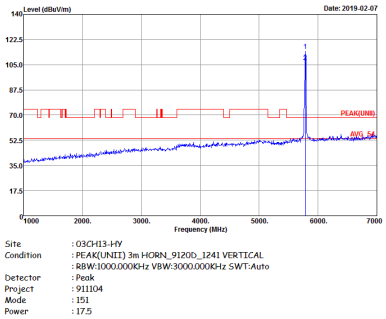
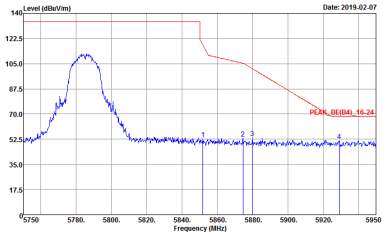
Band 4 5725~5850MHz

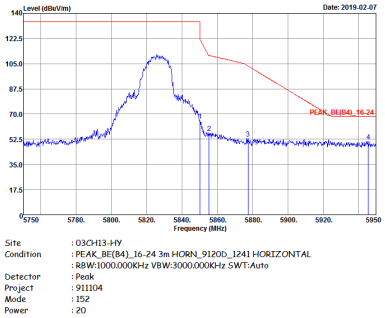
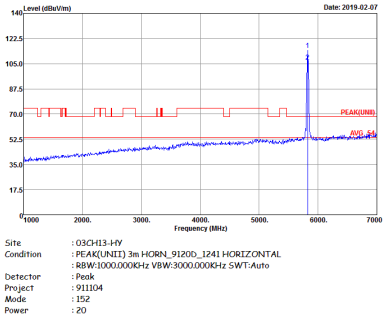
WIFI 802.11n HT20 (Band Edge @ 3m)

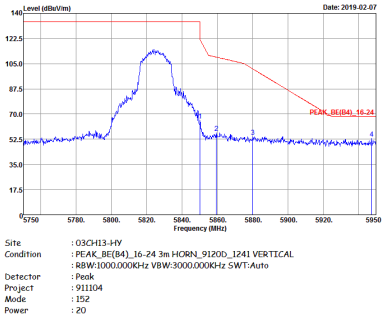
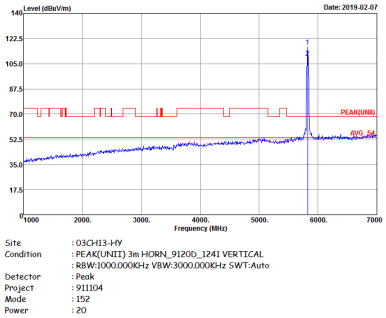
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 150 Power : 20	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 150 Power : 20

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 : 911104 Mode : 151 Power : 17.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 151 Power : 17.5
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 : 911104 Mode : 151 Power : 17.5	Left blank

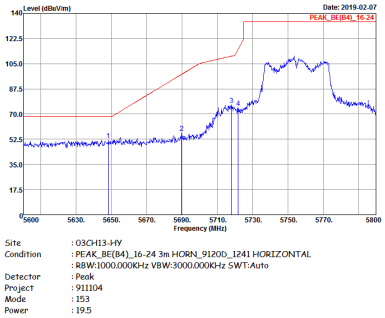
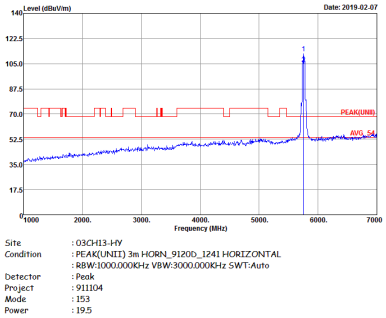
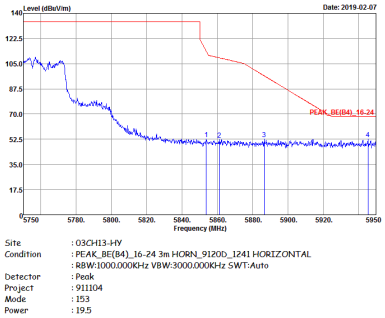
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 151 Power : 17.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 151 Power : 17.5
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 : 911104 Mode : 151 Power : 17.5	Left blank

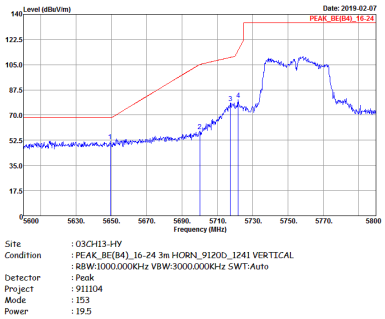
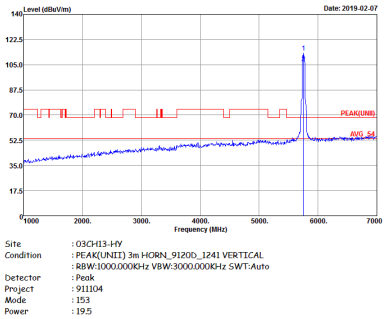
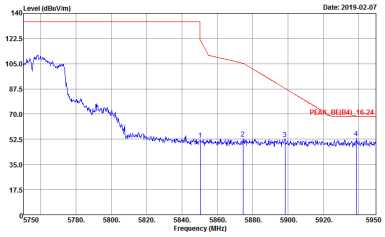
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

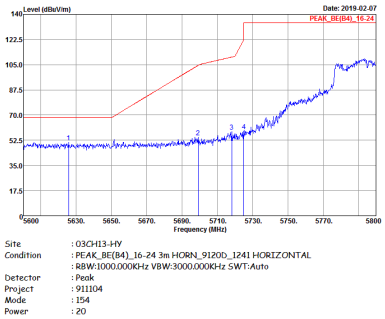
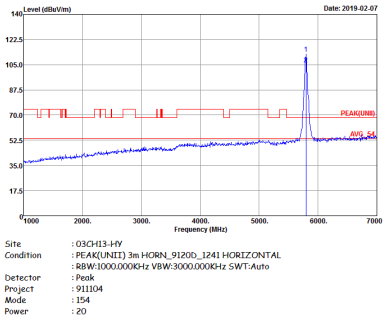
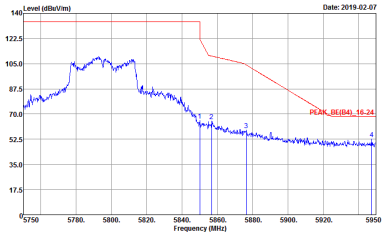
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

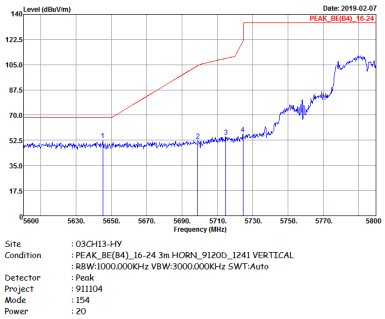
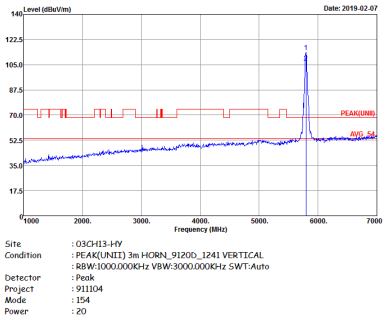
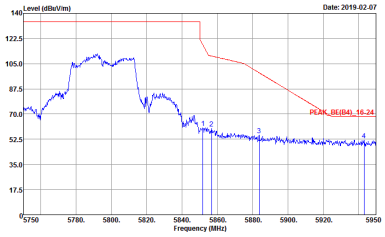
Band 4 5725~5850MHz

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-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 153 Power : 19.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 153 Power : 19.5
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 153 Power : 19.5	Left blank

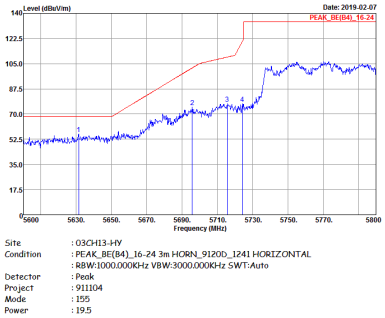
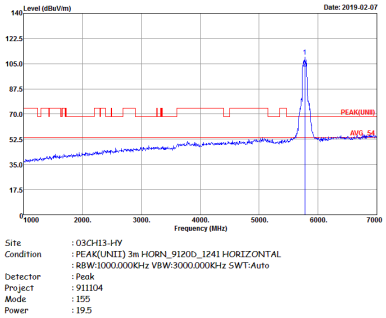
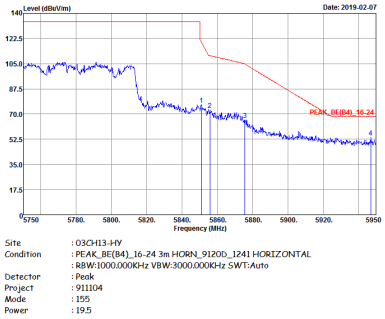
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 153 Power : 19.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 153 Power : 19.5
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 : 911104 Mode : 153 Power : 19.5	Left blank

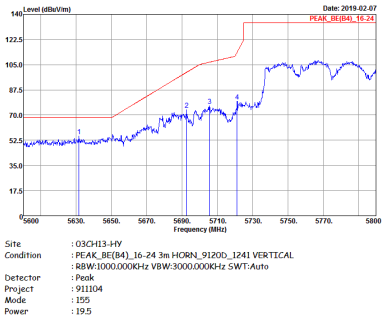
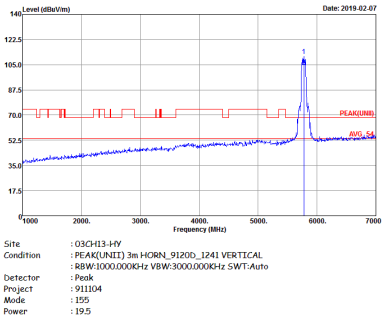
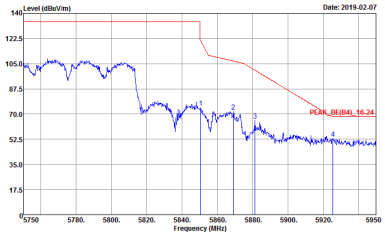
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 154 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 154 Power : 20
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 : 911104 Mode : 154 Power : 20	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 : 911104 Mode : 154 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 154 Power : 20
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 : 911104 Mode : 154 Power : 20	Left blank

Band 4 5725~5850MHz

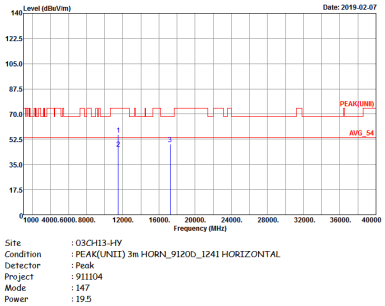
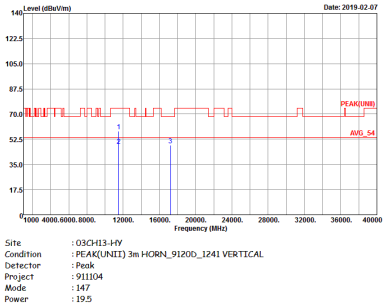
WIFI 802.11ac VHT80 (Band Edge @ 3m)

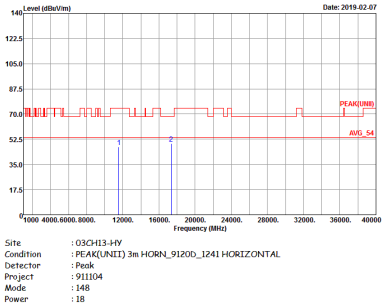
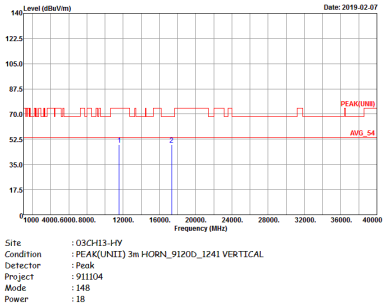
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

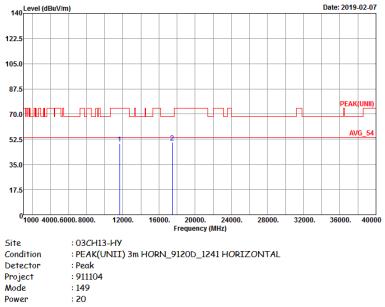
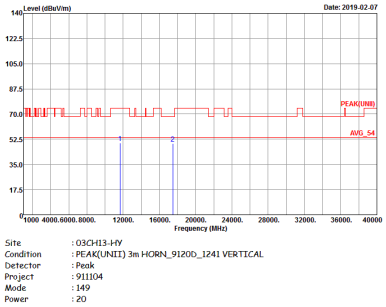
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 155 Power : 19.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 155 Power : 19.5
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 : 911104 Mode : 155 Power : 19.5	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

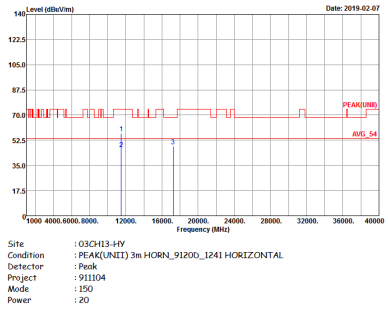
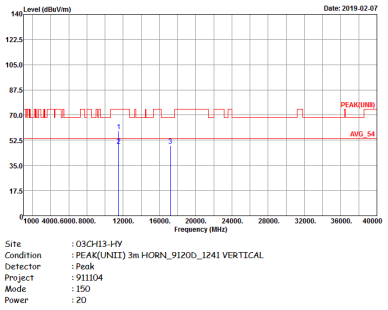
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

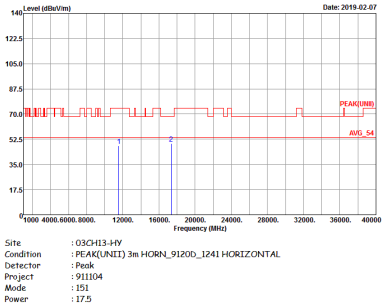
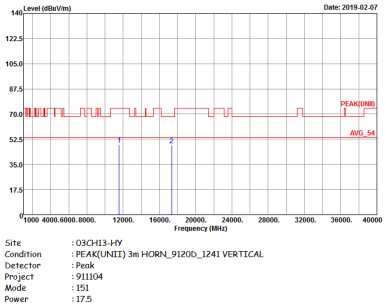
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 911104 Mode : 148 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 911104 Mode : 148 Power : 18

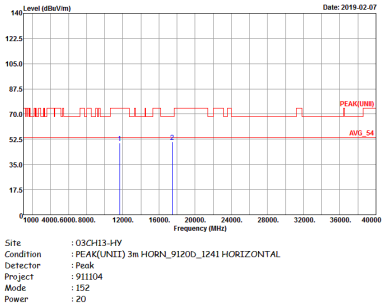
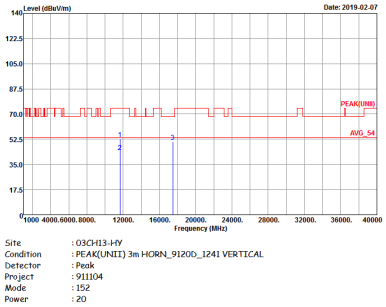
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 911104 Mode : 149 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 911104 Mode : 149 Power : 20

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

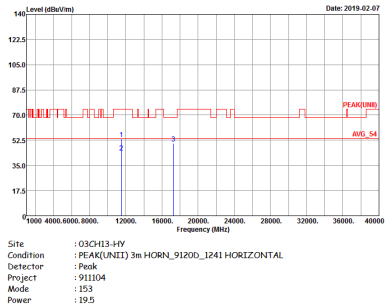
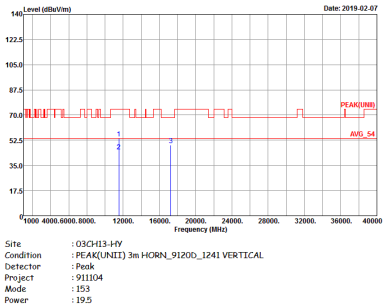
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

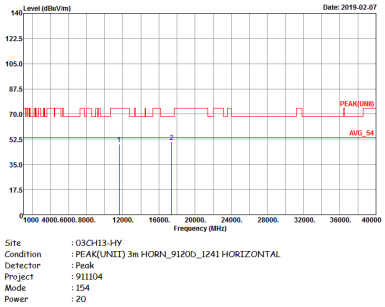
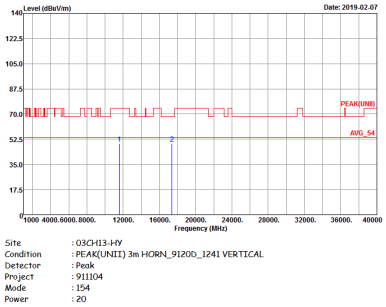
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.		

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

Band 4 5725~5850MHz

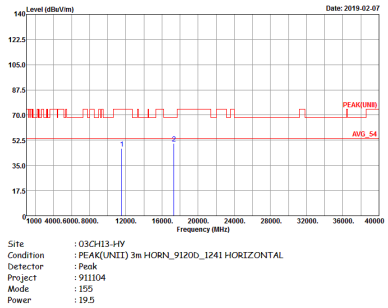
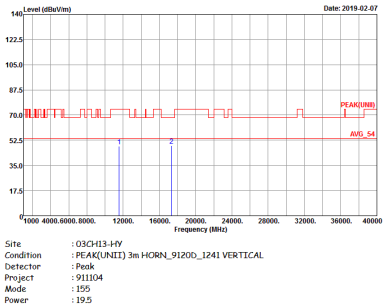
WIFI 802.11n HT40 (Harmonic @ 3m)

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.		

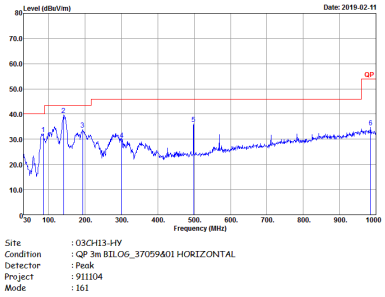
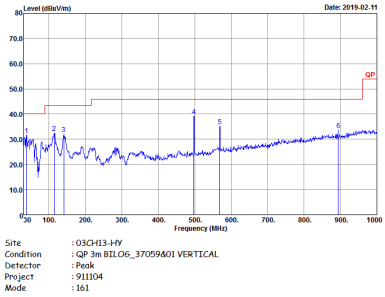
Band 4 5725~5850MHz

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

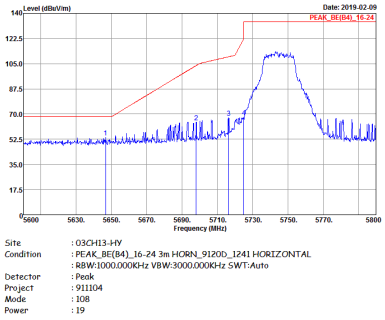
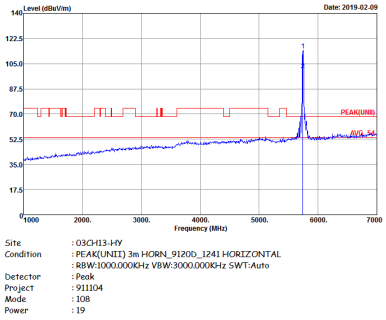
5GHz WIFI 802.11n HT20 (LF)

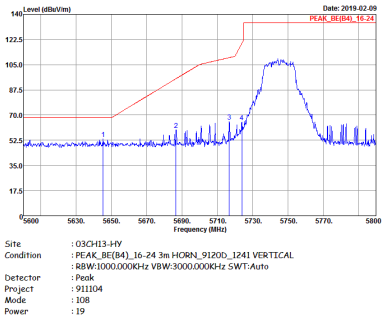
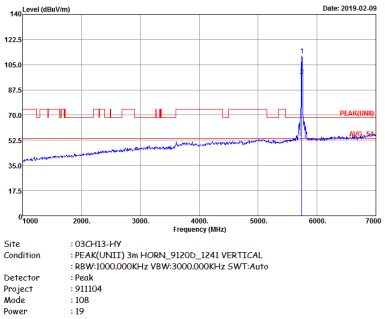
WIFI	5GHz 5725~5850MHz	
ANT	802.11n HT20 LF	
1+2	Horizontal	Vertical
QP / Peak		

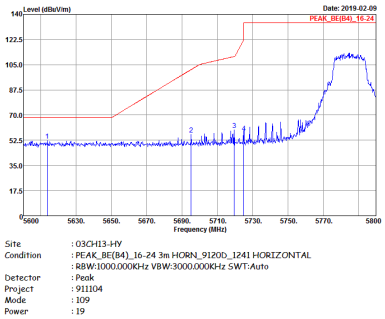
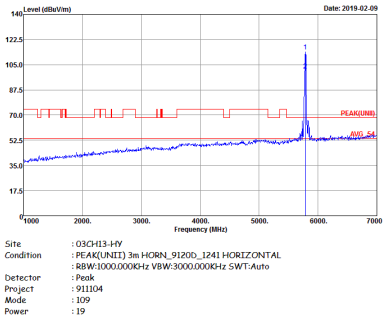
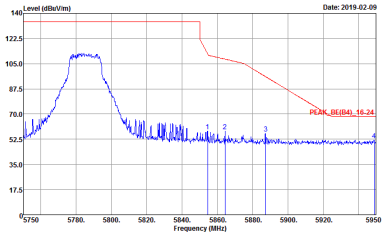
<TXBF Mode>

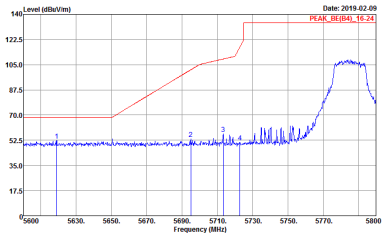
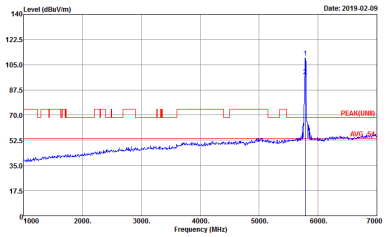
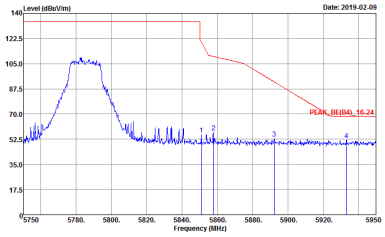
Band 4 - 5725~5850MHz

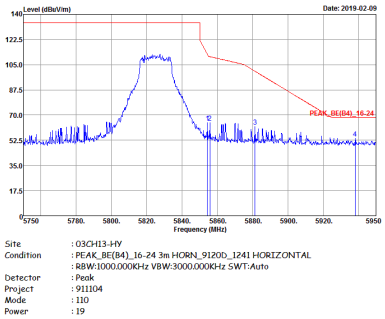
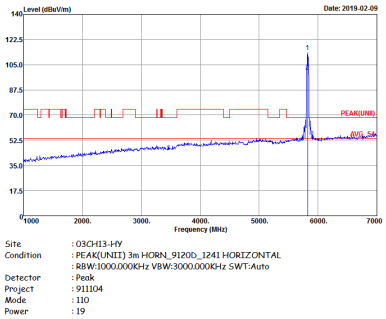
WIFI 802.11ac VHT20 (Band Edge @ 3m)

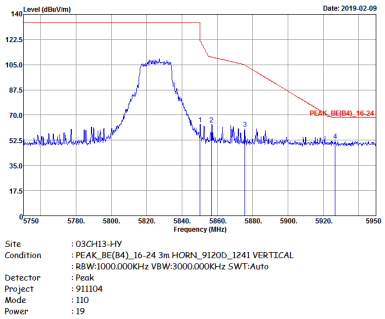
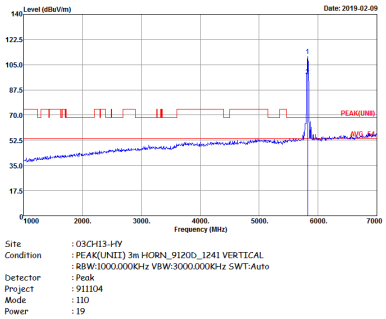
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak Avg.	 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 : 911104 Mode : 108 Power : 19	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 108 Power : 19

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 109 Power : 19	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 109 Power : 19
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 109 Power : 19	Left blank

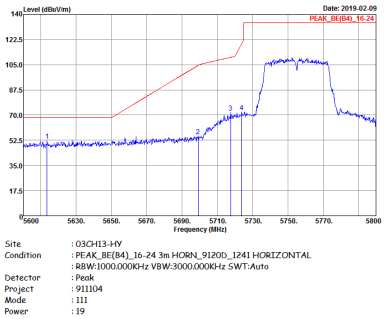
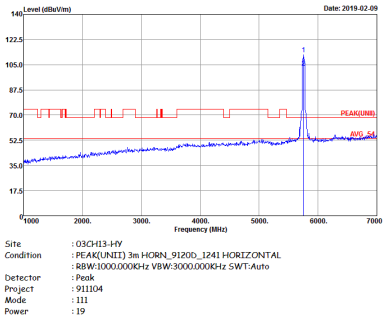
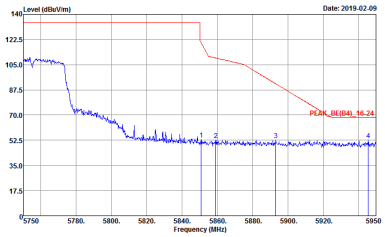
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 109 Power : 19	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 109 Power : 19
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 : 911104 Mode : 109 Power : 19	Left blank

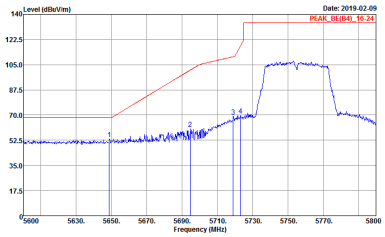
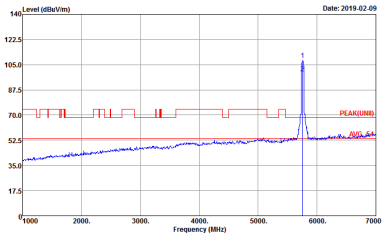
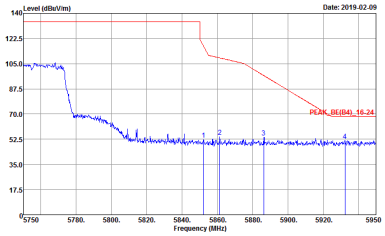
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		

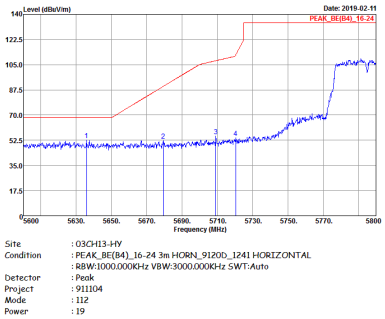
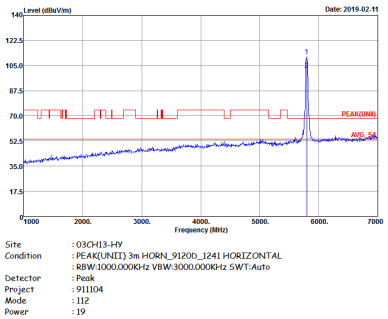
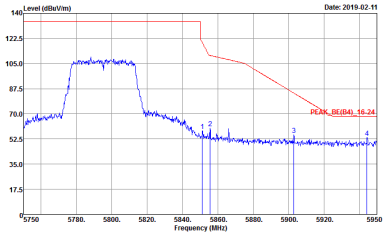
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak Avg.		

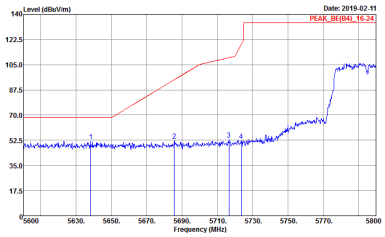
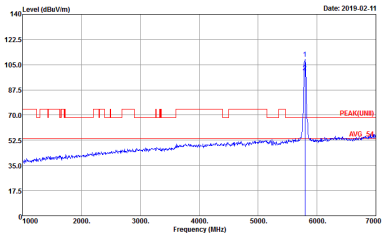
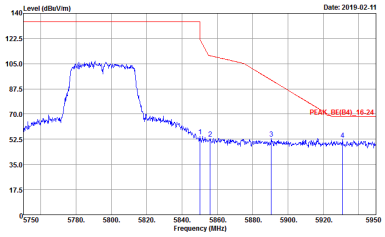
Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 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 : 911104 Mode : 111 Power : 19	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 111 Power : 19
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 : 911104 Mode : 111 Power : 19	Left blank

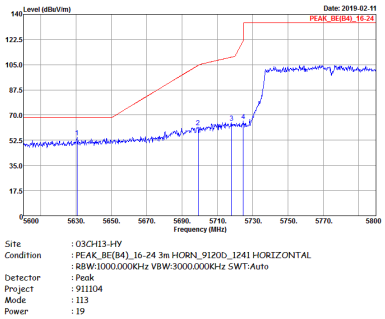
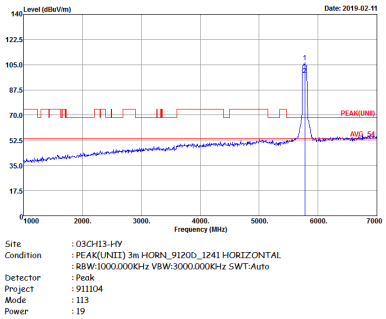
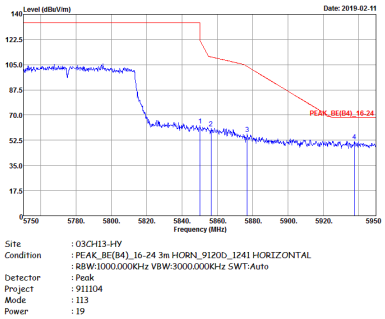
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 111 Power : 19	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 111 Power : 19
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 : 911104 Mode : 111 Power : 19	Left blank

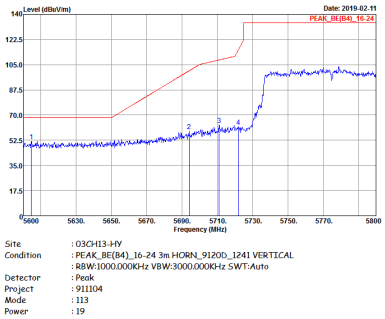
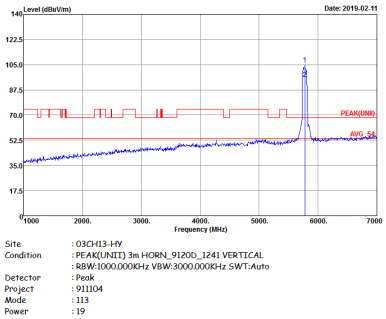
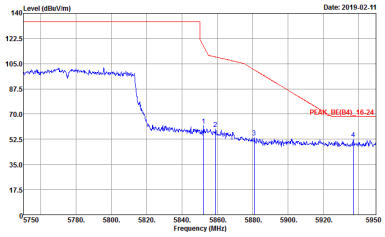
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 112 Power : 19	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 112 Power : 19
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 : 911104 Mode : 112 Power : 19	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	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 : 911104 Mode : 112 Power : 19	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 112 Power : 19
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 : 911104 Mode : 112 Power : 19	Left blank

Band 4 5725~5850MHz

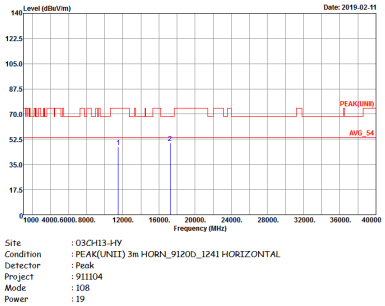
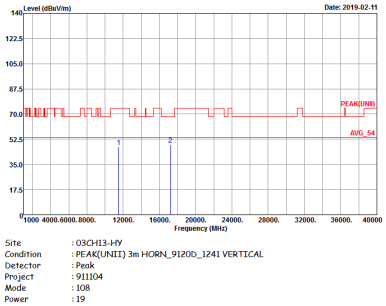
WIFI 802.11ac VHT80 (Band Edge @ 3m)

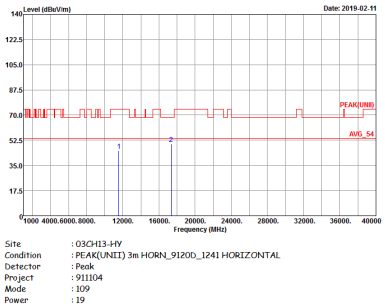
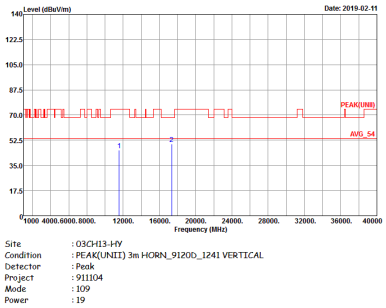
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

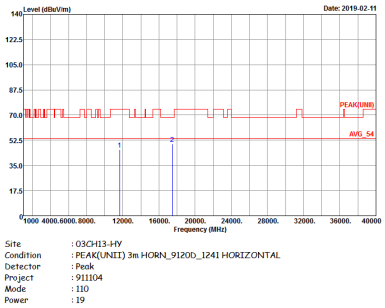
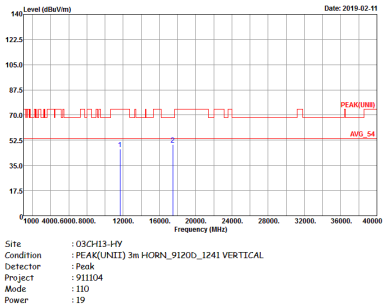
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 113 Power : 19	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911104 Mode : 113 Power : 19
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 : 911104 Mode : 113 Power : 19	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

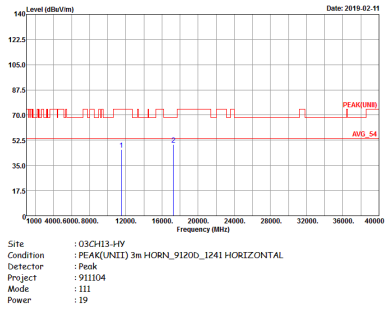
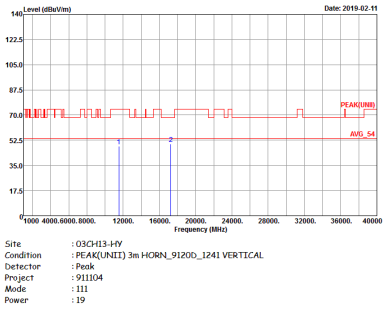
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

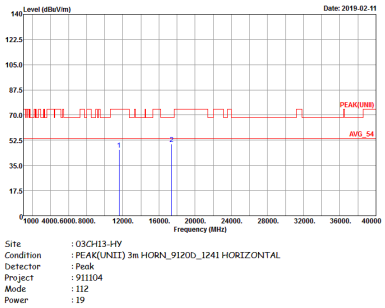
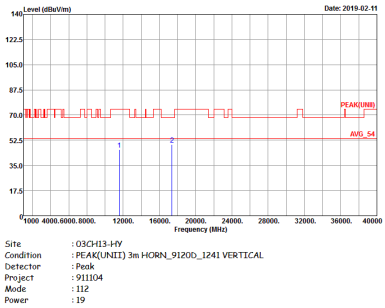
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 911104 Mode : 109 Power : 19	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 911104 Mode : 109 Power : 19

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

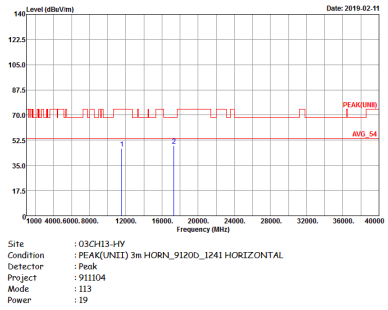
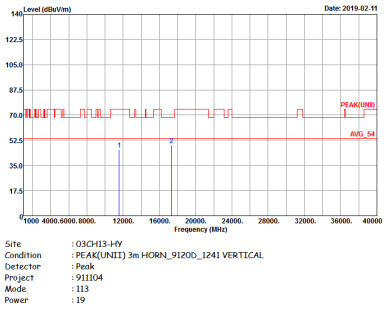
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 911104 Mode : 112 Power : 19	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 911104 Mode : 112 Power : 19

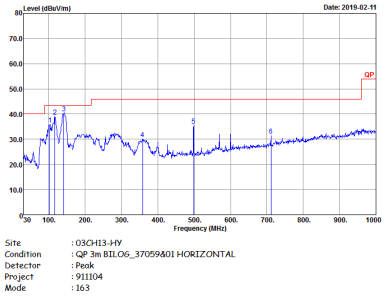
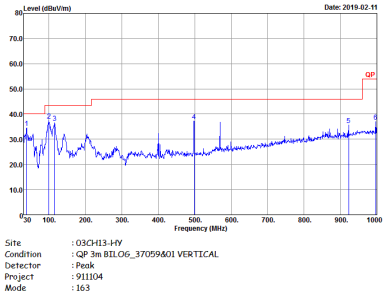
Band 4 5725~5850MHz

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 802.11ac VHT80 (LF)

WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
1+2	Horizontal	Vertical
QP / Peak		

Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11a	95.81	2060	0.49	1kHz	0.19
2	802.11a	95.83	2070	0.48	1kHz	0.18
1+2	802.11a	96.26	2060	0.49	1kHz	0.17
1+2	802.11a	96.28	2070	0.48	1kHz	0.16
1	5GHz 802.11n HT20	94.09	1910	0.52	1kHz	0.26
2	5GHz 802.11n HT20	95.54	1930	0.52	1kHz	0.20
1+2	5GHz 802.11n HT20	95.52	1920	0.52	1kHz	0.20
1+2	5GHz 802.11n HT20	95.54	1930	0.52	1kHz	0.20
1	5GHz 802.11n HT40	91.35	950	1.05	3kHz	0.39
2	5GHz 802.11n HT40	91.35	950	1.05	3kHz	0.39
1+2	5GHz 802.11n HT40	91.35	950	1.05	3kHz	0.39
1+2	5GHz 802.11n HT40	90.48	950	1.05	3kHz	0.43
1	5GHz 802.11ac VHT20	95.54	1930	0.52	1kHz	0.20
2	5GHz 802.11ac VHT20	94.58	1920	0.52	1kHz	0.24
1+2	5GHz 802.11ac VHT20	91.59	980	1.02	3kHz	0.38
1+2	5GHz 802.11ac VHT20	91.59	980	1.02	3kHz	0.38
1	5GHz 802.11ac VHT40	90.48	950	1.05	3kHz	0.43
2	5GHz 802.11ac VHT40	91.35	950	1.05	3kHz	0.39
1+2	5GHz 802.11ac VHT40	91.35	950	1.05	3kHz	0.39
1+2	5GHz 802.11ac VHT40	91.35	950	1.05	3kHz	0.39
1	5GHz 802.11ac VHT80	85.19	460	2.17	3kHz	0.70
2	5GHz 802.11ac VHT80	86.11	465	2.15	3kHz	0.65
1+2	5GHz 802.11ac VHT80	86.11	465	2.15	3kHz	0.65
1+2	5GHz 802.11ac VHT80	86.11	465	2.15	3kHz	0.65