FCC RADIO TEST REPORT

FCC ID	**:**	**UZ7TC57HO**
Equipment	**:**	**Touch Computer**
Brand Name	**:**	**Zebra**
Model name	**:**	**TC57HO**
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 Aug. 15, 2018 and testing was started from Aug. 31, 2018 and completed on Oct. 08, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The 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.

Approved by: Joseph Lin

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

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History of this test report

Report No.	Version	Description	Issued Date
FR882724F	01	Initial issue of report	Oct. 12, 2018

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 7.36 dB at 5650.400 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 18.29 dB at 0.299 MHz
3.6	15.407 (c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 & 15.407 (a)	Antenna Requirement	Pass	-

Reviewed by: Wii Chang

Report Producer: Maggie Chiang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	TC57HO
FCC ID	UZ7TC57HO
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/NFC/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	DV
SW Version	91-10-03.00-OG-U00-STD
FW Version	FUSION_QA_2_1.0.0.030_O
MFD	30-Jul-18
EUT Stage	Engineering Sample

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

Specification of Accessories				
Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
Battery 1	**Brand Name**	Zebra	**Part Number**	BT-000314-50
Battery 2	**Brand Name**	Zebra	**Part Number**	BT-000314-01
USB cable	**Brand Name**	Zebra	**Part Number**	CBL-TC51-USB1-01
Headset Jumper 1	**Brand Name**	Zebra	**Part Number**	CBL-TC51-HDST25-01
Headset Jumper 2	**Brand Name**	Zebra	**Part Number**	CBL-TC51-HDST35-01
2.5mm Earphone	**Brand Name**	Zebra	**Part Number**	HDST-25MM-PTVP-01
3.5mm Earphone	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTVP-01
Exoskeleton	**Brand Name**	Zebra	**Part Number**	SG-TC51-EX01-01
Trigger Handle	**Brand Name**	Zebra	**Part Number**	TRG-TC51-SNP1-01
Soft Holster	**Brand Name**	Zebra	**Part Number**	SG-TC51-HLSTR1-01
Hand strap	**Brand Name**	Zebra	**Part Number**	SG-TC51-BHDSTP1-03
USB-C Adaptor	**Brand Name**	Zebra	**Part Number**	ADPTR-TC56-USBC-01
USB Type C cable	**Brand Name**	Zebra	**Part Number**	N/A

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	5745 MHz ~ 5825 MHz
Maximum Output Power to Antenna <CDD Modes>	**<Ant. 1>** 802.11a : 15.98 dBm / 0.0396 W 802.11n HT20 : 15.85 dBm / 0.0385 W 802.11n HT40 : 15.87 dBm / 0.0386 W 802.11ac VHT20: 15.84 dBm / 0.0384 W 802.11ac VHT40: 15.81 dBm / 0.0381 W 802.11ac VHT80: 15.61 dBm / 0.0364 W **<Ant. 2>** 802.11a : 16.48 dBm / 0.0445 W 802.11n HT20 : 16.39 dBm / 0.0436 W 802.11n HT40 : 16.48 dBm / 0.0445 W 802.11ac VHT20: 16.29 dBm / 0.0426 W 802.11ac VHT40: 16.47 dBm / 0.0444 W 802.11ac VHT80: 16.15 dBm / 0.0412 W **MIMO <Ant. 1 + 2>** 802.11a : 17.71 dBm / 0.0590 W 802.11n HT20 : 17.65 dBm / 0.0582 W 802.11n HT40 : 17.65 dBm / 0.0582 W 802.11ac VHT20: 17.60 dBm / 0.0575 W 802.11ac VHT40: 17.55 dBm / 0.0569 W 802.11ac VHT80: 17.76 dBm / 0.0597 W
Maximum Output Power <TXBF Modes>	**MIMO <Ant. 1 + 2>** 802.11ac VHT20: 17.87 dBm / 0.0612 W 802.11ac VHT40: 17.63 dBm / 0.0579 W 802.11ac VHT80: 18.00 dBm / 0.0631 W
99% Occupied Bandwidth <CDD Modes>	**<Ant. 1>** 802.11a : 16.75 MHz 802.11n HT20 : 17.95 MHz 802.11n HT40 : 36.60 MHz 802.11ac VHT80 : 77.16 MHz **<Ant. 2>** 802.11a : 16.95 MHz 802.11n HT20 : 18.00 MHz 802.11n HT40 : 36.80 MHz 802.11ac VHT80 : 77.28 MHz **MIMO <Ant. 1>** 802.11a : 16.75 MHz 802.11n HT20 : 17.85 MHz 802.11n HT40 : 36.70 MHz 802.11ac VHT80 : 77.16 MHz **MIMO <Ant. 2>** 802.11a : 16.80 MHz 802.11n HT20 : 17.95 MHz 802.11n HT40 : 36.80 MHz 802.11ac VHT80 : 77.28 MHz

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Modes></td><td>MIMO <Ant. 1>
802.11ac VHT20 : 18.03 MHz
802.11ac VHT40 : 37.66 MHz
802.11ac VHT80 : 77.32 MHz
MIMO <Ant. 2>
802.11ac VHT20 : 17.98 MHz
802.11ac VHT40 : 37.66 MHz
802.11ac VHT80 : 77.68 MHz</td></tr>
<tr><td>Antenna Gain / Gain</td><td><Ant. 1> : Loop Antenna with gain 2.60 dBi
<Ant. 2> : PIFA Antenna with gain 2.30 dBi</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 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
CDD MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11ac
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

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

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No.52, 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.**
	03CH12-HY

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

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) 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 WLAN (5GHz) Link + Bluetooth Link + NFC On + Battery 1 + Scanner + without Exoskeleton + Rugged Charge / USB Cable + Adapter (SAWA-65-20005A (5V/2.5A)) + Headset Jumper (CBL-TC51-HDST25-01) + Earphone (HDST-25MM-PTVP-01)
Remark:	For radiated measurement, pre-scanned tests were conducted to determine the final configuration from all possible combinations. All the test cases were performed with Adapter, USB Cable, Headset Jumper 1, and 2.5mm Earphone.

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>

<Antenna 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
Duty Cycle (%)		94.86		92.83	91.43	87.45	85.06	79.82	74.73	72.78
CH 149	5745	**15.98**	CH 149	15.97	15.94	15.93	15.95	15.68	15.70	14.22
CH 157	5785	15.95								
CH 165	5825	15.55								

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
Duty Cycle (%)		94.97		90.94	85.21	82.51	76.32	74.86	72.62	71.79
CH 149	5745	15.51	CH 165	15.81	15.77	15.75	15.69	15.84	15.79	12.34
CH 157	5785	15.77								
CH 165	5825	**15.85**								

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
Duty Cycle (%)		90.69		84.32	78.87	73.45	67.14	61.16	59.65	55.17
CH 151	5755	15.59	CH 159	15.76	15.83	15.84	15.73	15.80	15.73	12.86
CH 159	5795	**15.87**								

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)		94.42		91.35	85.94	84.72	79.64	75.00	72.51	69.51	67.12
CH 149	5745	15.47	CH 165	15.79	15.76	15.67	15.51	15.83	15.75	15.78	12.29
CH 157	5785	15.73									
CH 165	5825	**15.84**									

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		91.18		84.14	78.70	74.58	67.37	59.38	59.24	59.02	55.77	54.82
CH 151	5755	15.51	CH 159	15.75	15.76	15.72	15.68	15.66	15.72	15.57	15.74	11.76
CH 159	5795	**15.81**										

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		86.88		80.83	15.76	15.72	15.68	15.66	15.72	15.57	15.74	11.76
CH155	5775	**15.61**	CH155	15.57	15.49	15.54	15.49	15.32	15.46	15.56	15.42	10.91

<Antenna 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
Duty Cycle (%)		94.86		92.83	91.76	88.12	85.06	76.39	74.73	72.62
CH 149	5745	16.47	CH 157	16.34	16.40	16.19	16.24	16.47	16.27	14.74
CH 157	5785	**16.48**								
CH 165	5825	16.21								

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
Duty Cycle (%)		94.47		90.60	87.20	83.89	78.73	74.03	72.62	70.44
CH 149	5745	**16.39**	CH 149	16.23	16.31	16.23	16.34	16.36	16.33	12.87
CH 157	5785	16.38								
CH 165	5825	16.09								

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
Duty Cycle (%)		90.69		82.31	78.50	74.29	68.12	62.71	60.71	59.26
CH 151	5755	**16.48**	CH 151	82.31	78.50	74.29	68.12	62.71	60.71	59.26
CH 159	5795	16.38								

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)		94.82		90.98	87.30	84.39	79.64	75.41	72.94	71.70	64.47
CH 149	5745	**16.29**	CH 149	16.21	16.22	16.21	16.24	16.25	16.27	16.24	12.71
CH 157	5785	16.23									
CH 165	5825	16.03									

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		90.15		84.64	78.18	75.28	66.67	63.41	60.50	58.41	56.31	54.90
CH 151	5755	**16.47**	CH 151	84.64	78.18	75.28	66.67	63.41	60.50	58.41	56.31	54.90
CH 159	5795	16.34										

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		86.13		78.86	75.56	68.79	63.11	55.17	57.14	55.45	49.50	51.06
CH155	5775	**16.15**	CH155	15.80	16.12	16.14	15.96	16.13	15.95	15.93	16.07	11.42

MIMO < Antenna 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	**17.71**	CH 149	17.69	17.63	17.70	17.69	17.49	17.50	16.07
CH 157	5785	17.65								
CH 165	5825	17.70								

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	17.51	CH 165	17.45	17.59	17.63	17.64	17.64	17.63	14.12
CH 157	5785	17.61								
CH 165	5825	**17.65**								

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	**17.65**	CH 151	17.63	17.20	17.21	17.59	17.60	17.62	14.63
CH 159	5795	17.64								

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	17.46	CH 165	17.40	17.50	17.54	17.59	17.58	17.59	17.54	13.68
CH 157	5785	17.57									
CH 165	5825	**17.60**									

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	**17.55**	CH 151	17.54	17.11	17.19	17.49	17.33	17.37	17.44	17.41	13.39
CH 159	5795	17.54										

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	**17.76**	CH155	17.64	17.61	17.67	17.54	17.75	17.44	17.61	17.55	12.80

<TXBF Mode>

MIMO < Antenna 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	17.80	CH 165	17.77	17.67	17.70	17.63	17.60	17.56	17.70	14.10
CH 157	5785	17.70									
CH 165	5825	**17.87**									

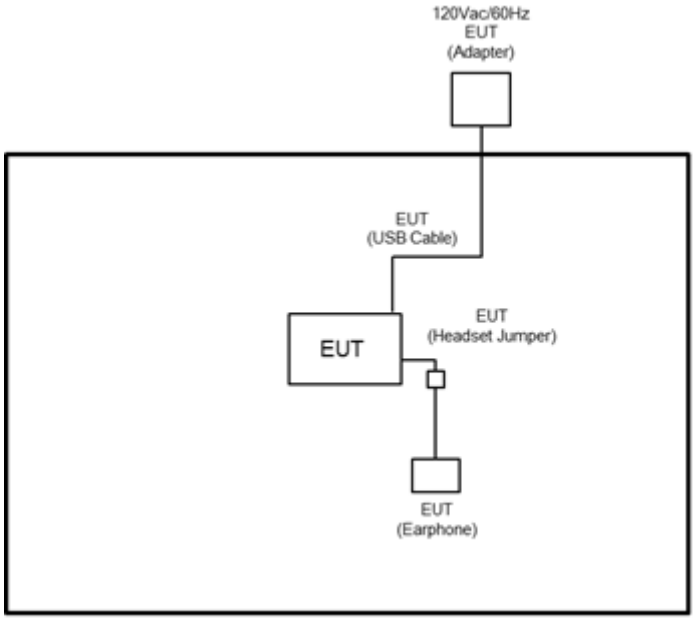
802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 151	5755	17.53	CH 159	17.39	17.44	17.58	17.33	17.52	17.22	17.27	17.52	13.47
CH 159	5795	**17.63**										

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	**18.00**	CH155	17.97	17.78	17.81	17.59	17.85	17.88	17.90	17.73	13.06

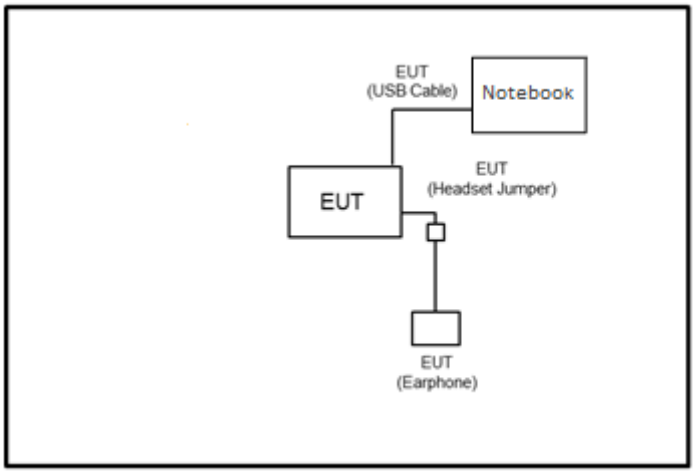
2.3 Connection Diagram of Test System

<WLAN Tx Mode>

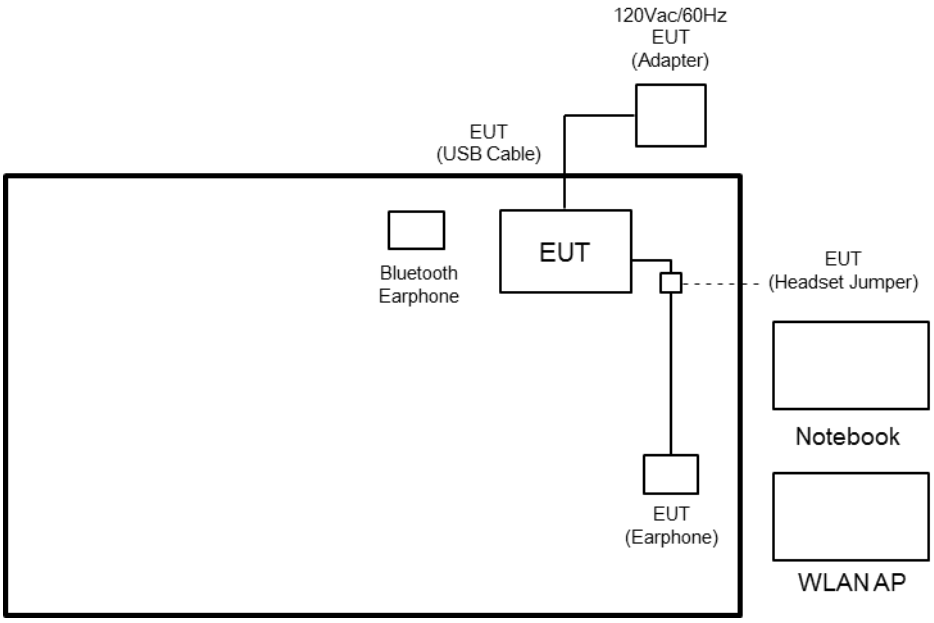
<CDD Mode>



<TXBF Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8m
3.	Notebook	DELL	P20G	FCC DoC/ Contains FCC ID: QDS-BRCM1051	N/A	AC I/P: Unshielded, 1.2m DC O/P: Shielded, 1.8m
4.	Notebook-01	Lenovo	E335	N/A	N/A	AC I/P: Unshielded, 1.2m DC O/P: Shielded, 1.8m
5.	Notebook-40	Lenovo	E335	N/A	N/A	AC I/P: Unshielded, 1.2m DC O/P: Shielded, 1.8m
6.	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.

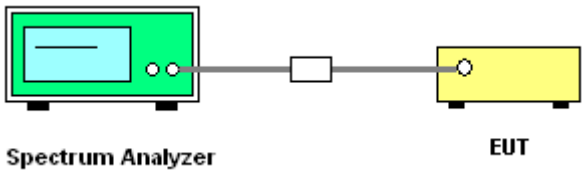
3.1.2 Measuring Instruments

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



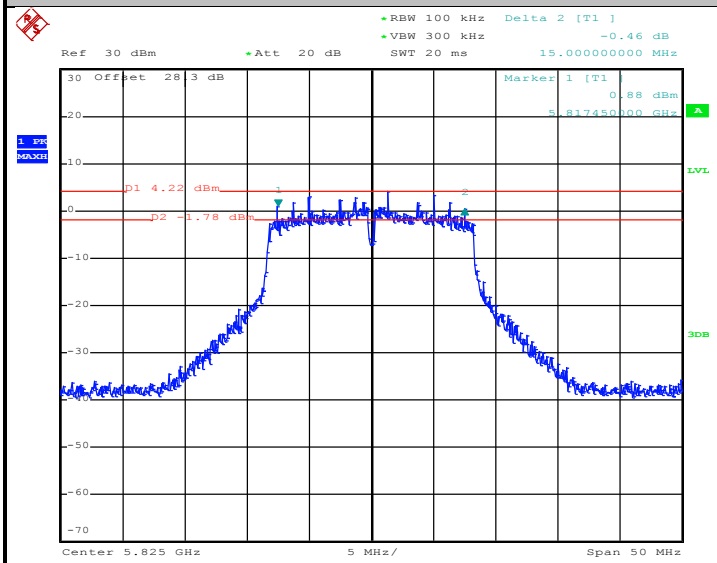
3.1.5 Test Result

Test Engineer :	Derek Hsu, Shiming Liu, and Jeremy Lin	Temperature :	21~25℃
		Relative Humidity :	51~54%

<CDD Mode>

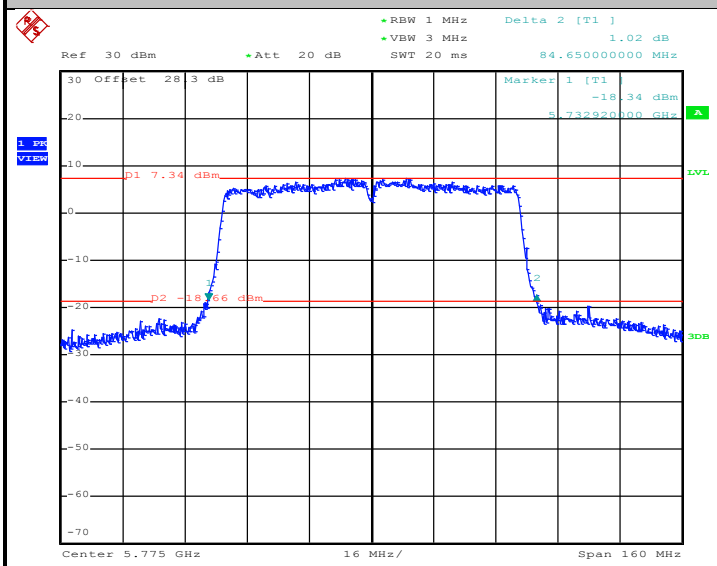
Band IV												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	149	5745	16.75	16.85	25.25	25.30	15.45	15.45	0.5	Pass
11a	6Mbps	1	157	5785	16.75	16.95	25.40	28.75	15.90	15.45	0.5	Pass
11a	6Mbps	1	165	5825	16.75	16.90	24.60	26.85	15.40	16.30	0.5	Pass
HT20	MCS0	1	149	5745	17.90	17.95	26.50	27.00	17.50	15.40	0.5	Pass
HT20	MCS0	1	157	5785	17.95	18.00	26.50	28.00	15.80	15.90	0.5	Pass
HT20	MCS0	1	165	5825	17.85	18.00	25.30	26.95	15.90	15.95	0.5	Pass
HT40	MCS0	1	151	5755	36.60	36.60	42.40	42.02	35.37	36.36	0.5	Pass
HT40	MCS0	1	159	5795	36.60	36.80	42.60	42.86	35.73	36.02	0.5	Pass
VHT80	MCS0	1	155	5775	77.16	**77.28**	84.16	**84.65**	75.20	75.20	0.5	Pass
11a	6Mbps	2	149	5745	16.70	16.80	24.65	24.50	15.10	15.45	0.5	Pass
11a	6Mbps	2	157	5785	16.75	16.75	24.85	25.85	15.90	15.60	0.5	Pass
11a	6Mbps	2	165	5825	16.70	16.80	24.45	24.90	**15.00**	15.70	0.5	Pass
HT20	MCS0	2	149	5745	17.85	17.95	26.10	26.70	15.30	16.90	0.5	Pass
HT20	MCS0	2	157	5785	17.85	17.80	25.35	26.45	15.45	15.10	0.5	Pass
HT20	MCS0	2	165	5825	17.85	17.85	25.45	26.20	15.10	15.10	0.5	Pass
HT40	MCS0	2	151	5755	36.70	36.70	42.12	42.60	35.64	35.15	0.5	Pass
HT40	MCS0	2	159	5795	36.60	36.80	42.48	42.42	35.75	35.54	0.5	Pass
VHT80	MCS0	2	155	5775	77.16	**77.28**	84.58	83.84	75.20	75.24	0.5	Pass

Minimum 6dB Bandwidth



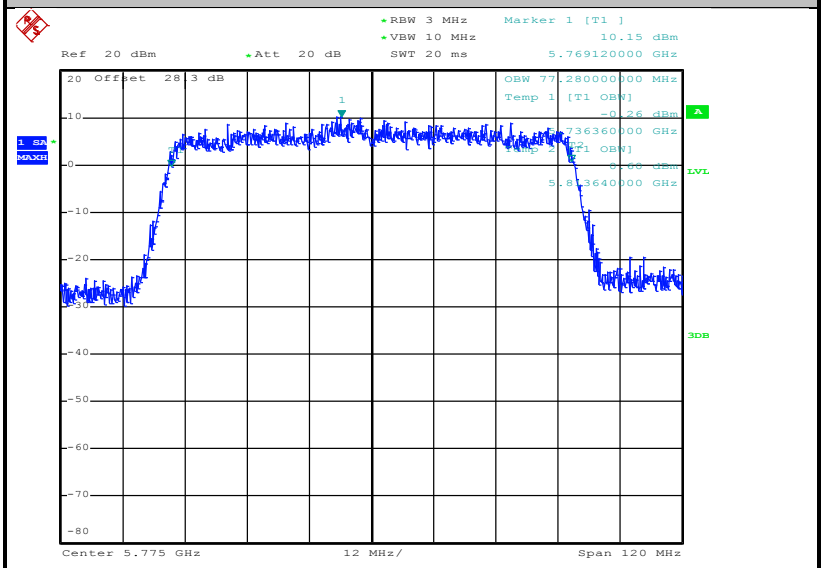
Date: 23.SEP.2018 09:48:36

Maximum 26dB Bandwidth



Date: 23.SEP.2018 11:11:48

Maximum 99% Occupied Bandwidth

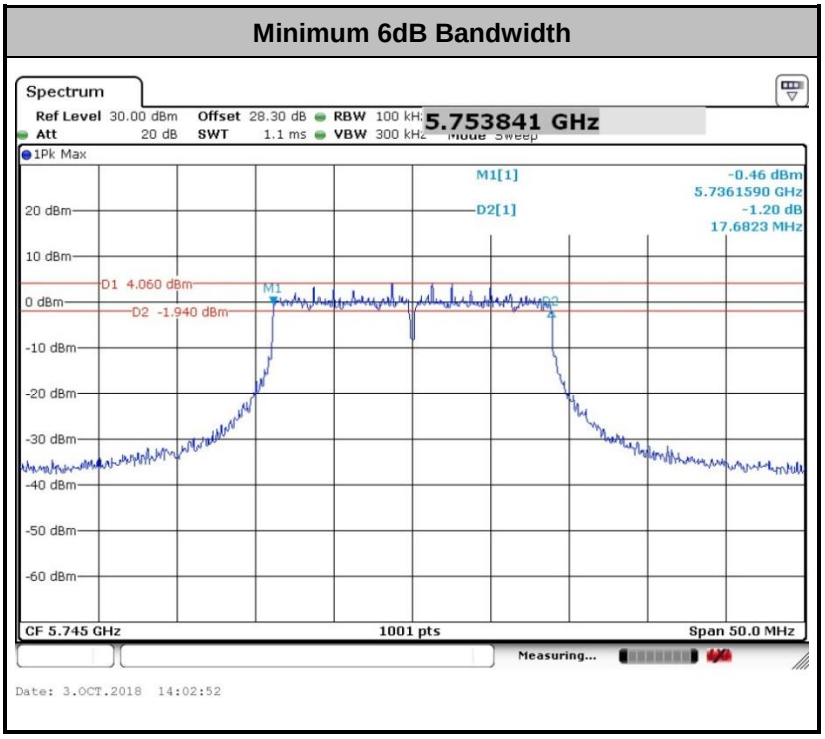


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

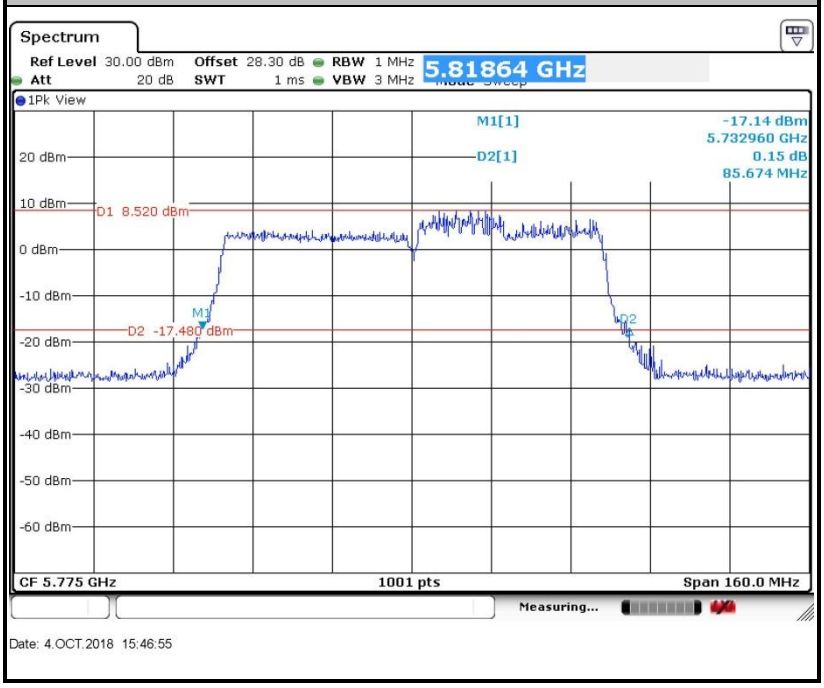
<TXBF Mode>

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	18.03	17.93	25.32	25.52	**17.68**	**17.68**	0.5	Pass
VHT20	MCS0	2	157	5785	18.03	17.98	25.52	25.27	17.73	17.73	0.5	Pass
VHT20	MCS0	2	165	5825	17.98	17.98	25.07	25.12	17.73	**17.68**	0.5	Pass
VHT40	MCS0	2	151	5755	37.36	37.46	46.84	45.58	36.95	36.95	0.5	Pass
VHT40	MCS0	2	159	5795	37.66	37.66	45.13	45.58	37.04	36.95	0.5	Pass
VHT80	MCS0	2	155	5775	77.32	**77.68**	**85.67**	84.72	74.49	74.81	0.5	Pass

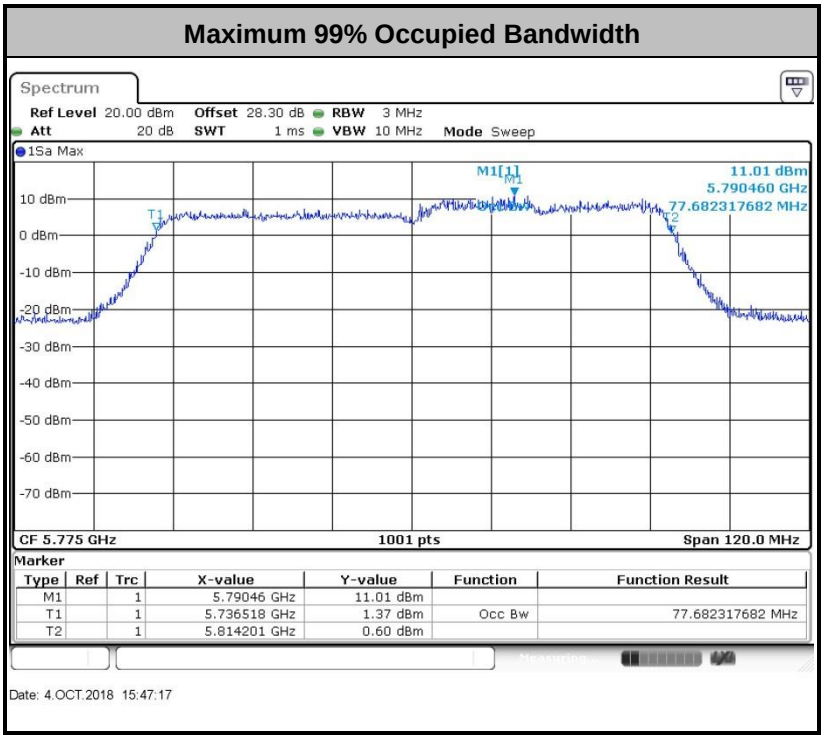
Minimum 6dB Bandwidth



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 Modes>

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.

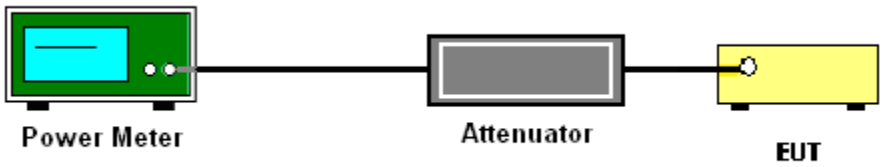
<TXBF Modes>

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 :	Derek Hsu, Shiming Liu, and Jeremy Lin	Temperature :	21~25℃
		Relative Humidity :	51~54%

<CDD Mode>

Band IV														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	0.23	0.23	15.98	16.47		30.00	30.00	2.60	2.30	Pass
11a	6Mbps	1	157	5785	0.23	0.23	15.95	16.48		30.00	30.00	2.60	2.30	Pass
11a	6Mbps	1	165	5825	0.23	0.23	15.55	16.21		30.00	30.00	2.60	2.30	Pass
HT20	MCS0	1	149	5745	0.22	0.25	15.51	16.39		30.00	30.00	2.60	2.30	Pass
HT20	MCS0	1	157	5785	0.22	0.25	15.77	16.38		30.00	30.00	2.60	2.30	Pass
HT20	MCS0	1	165	5825	0.22	0.25	15.85	16.09		30.00	30.00	2.60	2.30	Pass
HT40	MCS0	1	151	5755	0.42	0.42	15.59	16.48		30.00	30.00	2.60	2.30	Pass
HT40	MCS0	1	159	5795	0.42	0.42	15.87	16.38	-	30.00	30.00	2.60	2.30	Pass
VHT20	MCS0	1	149	5745	0.25	0.23	15.47	16.29		30.00	30.00	2.60	2.30	Pass
VHT20	MCS0	1	157	5785	0.25	0.23	15.73	16.23		30.00	30.00	2.60	2.30	Pass
VHT20	MCS0	1	165	5825	0.25	0.23	15.84	16.03		30.00	30.00	2.60	2.30	Pass
VHT40	MCS0	1	151	5755	0.40	0.45	15.51	16.47		30.00	30.00	2.60	2.30	Pass
VHT40	MCS0	1	159	5795	0.40	0.45	15.81	16.34		30.00	30.00	2.60	2.30	Pass
VHT80	MCS0	1	155	5775	0.61	0.65	15.61	16.15		30.00	30.00	2.60	2.30	Pass

Band IV														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	0.21	0.21	14.53	14.86	17.71	30.00		2.60		Pass
11a	6Mbps	2	157	5785	0.21	0.21	14.23	15.02	17.65	30.00		2.60		Pass
11a	6Mbps	2	165	5825	0.21	0.21	14.23	15.11	17.70	30.00		2.60		Pass
HT20	MCS0	2	149	5745	0.23	0.25	14.45	14.55	17.51	30.00		2.60		Pass
HT20	MCS0	2	157	5785	0.23	0.25	14.19	14.98	17.61	30.00		2.60		Pass
HT20	MCS0	2	165	5825	0.23	0.25	14.19	15.06	17.65	30.00		2.60		Pass
HT40	MCS0	2	151	5755	0.40	0.51	14.31	14.95	17.65	30.00		2.60		Pass
HT40	MCS0	2	159	5795	0.40	0.51	14.18	15.03	17.64	30.00		2.60		Pass
VHT20	MCS0	2	149	5745	0.27	0.25	14.42	14.48	17.46	30.00		2.60		Pass
VHT20	MCS0	2	157	5785	0.27	0.25	14.17	14.93	17.57	30.00		2.60		Pass
VHT20	MCS0	2	165	5825	0.27	0.25	14.16	14.98	17.60	30.00		2.60		Pass
VHT40	MCS0	2	151	5755	0.50	0.45	14.30	14.77	17.55	30.00		2.60		Pass
VHT40	MCS0	2	159	5795	0.50	0.45	14.16	14.87	17.54	30.00		2.60		Pass
VHT80	MCS0	2	155	5775	0.62	0.62	14.58	14.91	17.76	30.00		2.60		Pass

<TXBF Mode>

Band IV														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	149	5745	0.00	0.00	16.10	12.90	17.80	30.00		5.46		Pass
VHT20	MCS0	2	157	5785	0.00	0.00	15.90	13.00	17.70	30.00		5.46		Pass
VHT20	MCS0	2	165	5825	0.00	0.00	16.00	13.30	17.87	30.00		5.46		Pass
VHT40	MCS0	2	151	5755	0.00	0.00	15.70	12.90	17.53	30.00		5.46		Pass
VHT40	MCS0	2	159	5795	0.00	0.00	15.80	13.00	17.63	30.00		5.46		Pass
VHT80	MCS0	2	155	5775	0.00	0.00	16.10	13.50	18.00	30.00		5.46		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 Modes>

 # 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 Modes>

 # 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

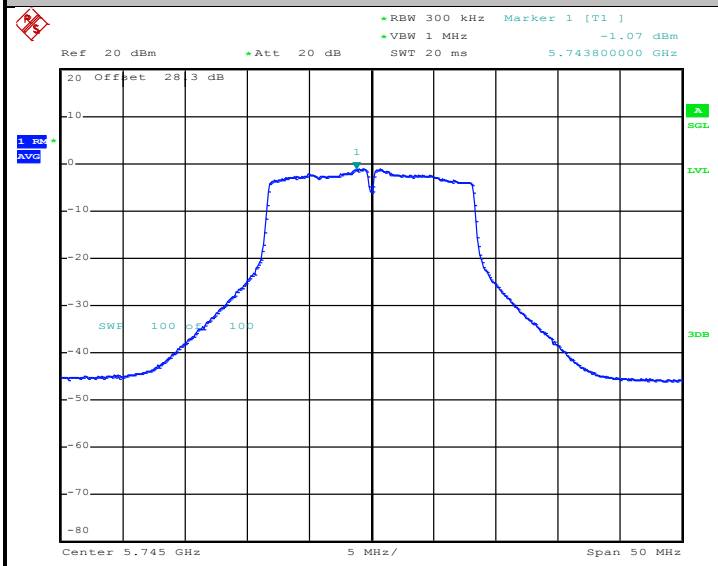
3.3.5 Test Result of Power Spectral Density

Test Engineer :	Derek Hsu, Shiming Liu, and Jeremy Lin	Temperature :	21~25℃
		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	0.23	0.23	-	2.22	-	2.50		-	30.00	2.60	2.30	Pass
11a	6Mbps	1	157	5785	0.23	0.23	2.22	2.22	2.23	2.77		30.00	30.00	2.60	2.30	Pass
11a	6Mbps	1	165	5825	0.23	0.23	2.22	2.22	1.47	2.29		30.00	30.00	2.60	2.30	Pass
HT20	MCS0	1	149	5745	0.22	0.25	2.22	2.22	1.44	2.11		30.00	30.00	2.60	2.30	Pass
HT20	MCS0	1	157	5785	0.22	0.25	2.22	2.22	1.72	1.80	-	30.00	30.00	2.60	2.30	Pass
HT20	MCS0	1	165	5825	0.22	0.25	2.22	2.22	1.48	1.34		30.00	30.00	2.60	2.30	Pass
HT40	MCS0	1	151	5755	0.42	0.42	2.22	2.22	-1.37	-0.96		30.00	30.00	2.60	2.30	Pass
HT40	MCS0	1	159	5795	0.42	0.42	2.22	2.22	-1.45	-1.08		30.00	30.00	2.60	2.30	Pass
VHT80	MCS0	1	155	5775	0.61	0.65	2.22	2.22	-5.04	-4.25		30.00	30.00	2.60	2.30	Pass
11a	6Mbps	2	149	5745	0.21	0.21	2.22		1.36	1.39	**4.40**	30.00		5.46		Pass
11a	6Mbps	2	157	5785	0.21	0.21	2.22		0.63	0.97	3.98	30.00		5.46		Pass
11a	6Mbps	2	165	5825	0.21	0.21	2.22		0.59	1.28	4.29	30.00		5.46		Pass
HT20	MCS0	2	149	5745	0.23	0.25	2.22		0.72	0.52	3.73	30.00		5.46		Pass
HT20	MCS0	2	157	5785	0.23	0.25	2.22		0.63	0.71	3.72	30.00		5.46		Pass
HT20	MCS0	2	165	5825	0.23	0.25	2.22		0.38	1.11	4.12	30.00		5.46		Pass
HT40	MCS0	2	151	5755	0.40	0.51	2.22		-2.03	-2.09	0.98	30.00		5.46		Pass
HT40	MCS0	2	159	5795	0.40	0.51	2.22		-2.81	-2.38	0.63	30.00		5.46		Pass
VHT80	MCS0	2	155	5775	0.62	0.62	2.22		-5.95	-5.69	-2.68	30.00		5.46		Pass

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



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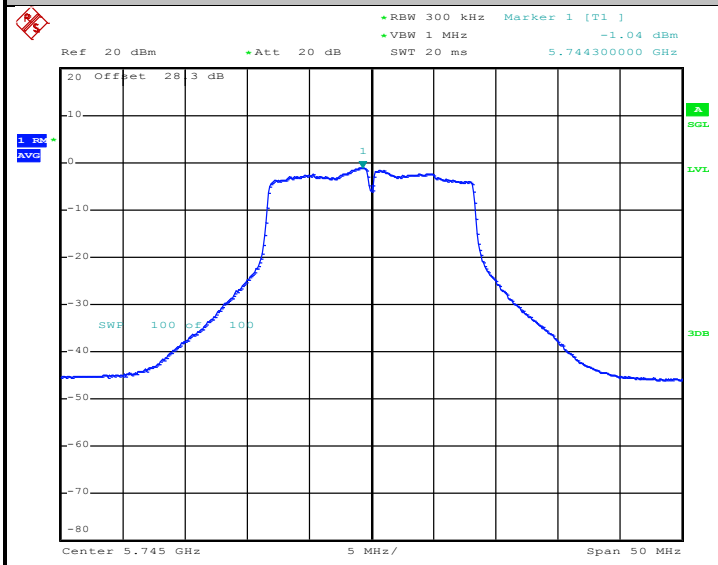
Worst Case Power Density (dBm/MHz) for MIMO Ant. 2

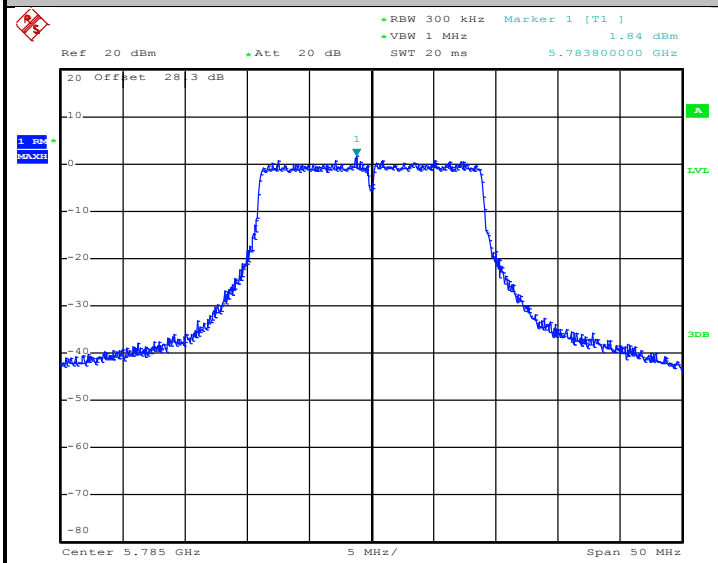


Date: 23.SEP.2018 09:07:39

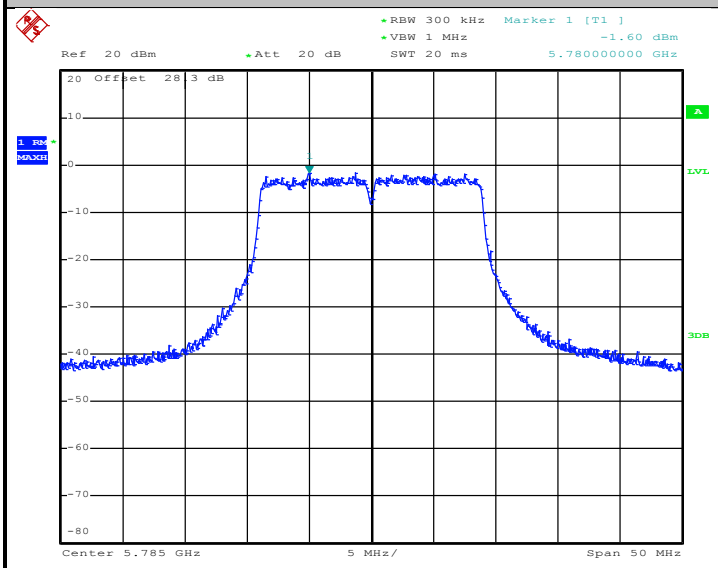
<TXBF Mode>

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		3.86	0.33	6.87	30.00		5.46		Pass
VHT20	MCS0	2	157	5785	0.00	0.00	2.22		4.06	0.62	**7.07**	30.00		5.46		Pass
VHT20	MCS0	2	165	5825	0.00	0.00	2.22		3.99	1.04	7.00	30.00		5.46		Pass
VHT40	MCS0	2	151	5755	0.00	0.00	2.22		1.74	-0.63	4.75	30.00		5.46		Pass
VHT40	MCS0	2	159	5795	0.00	0.00	2.22		1.33	-0.53	4.34	30.00		5.46		Pass
VHT80	MCS0	2	155	5775	0.00	0.00	2.22		-0.04	-2.57	2.97	30.00		5.46		Pass

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



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



Date: 4.OCT.2018 10:11:38

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

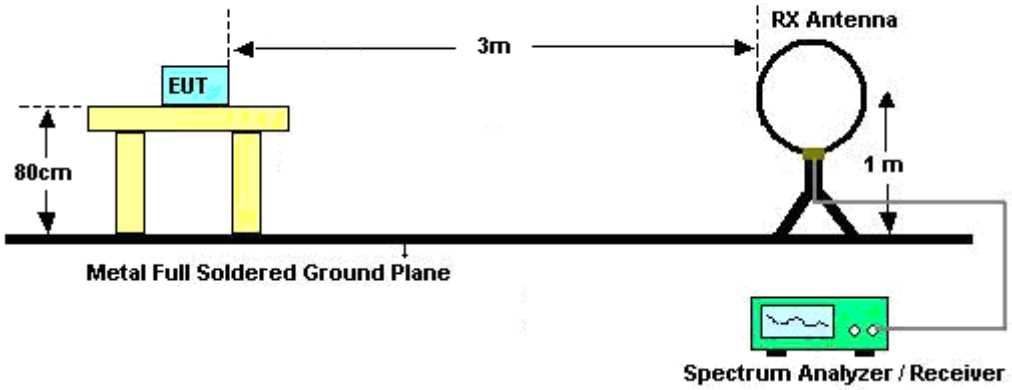
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - 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.

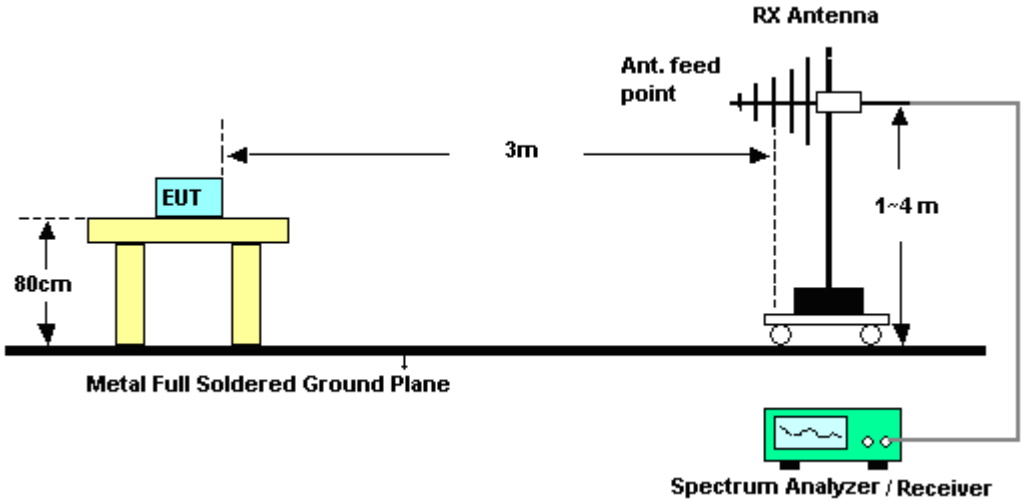
3.4.4 Test Setup

For radiated emissions below 30MHz

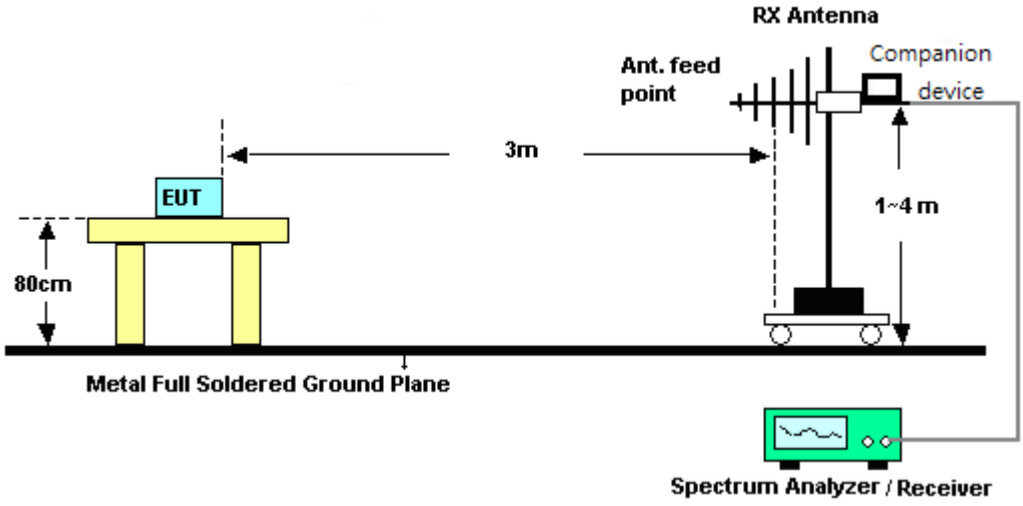


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

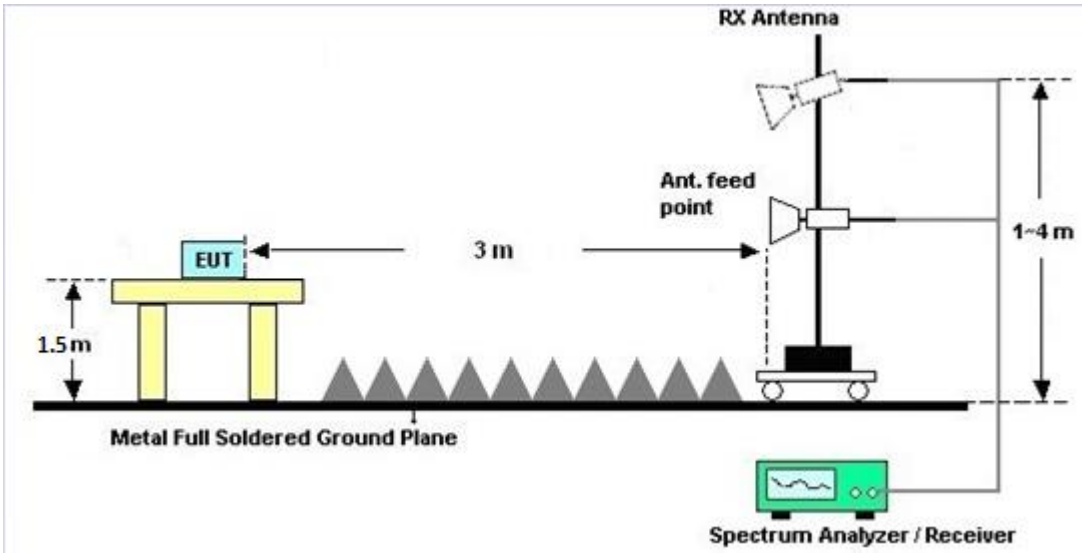


<TXBF Mode>

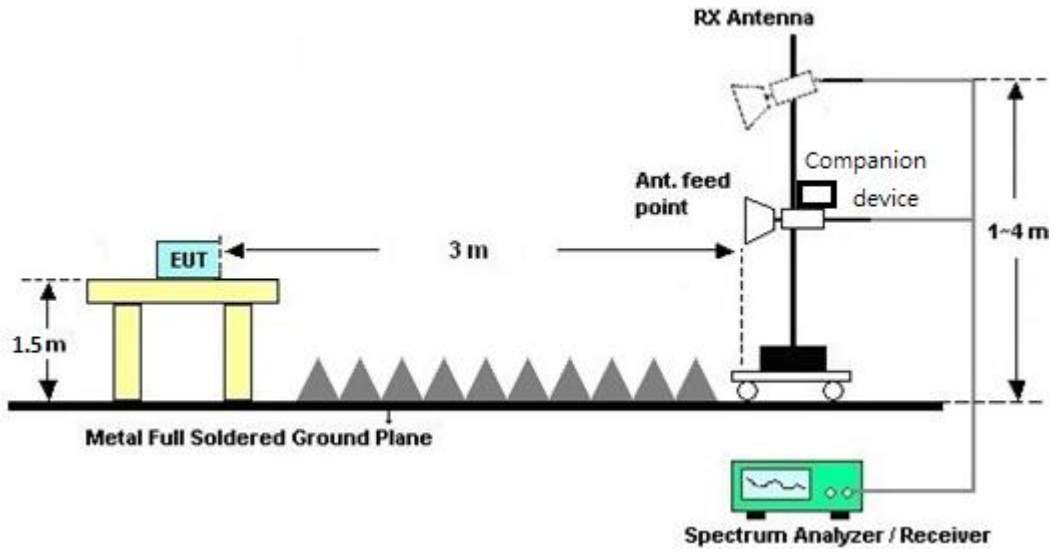


For radiated emissions above 1GHz

<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.

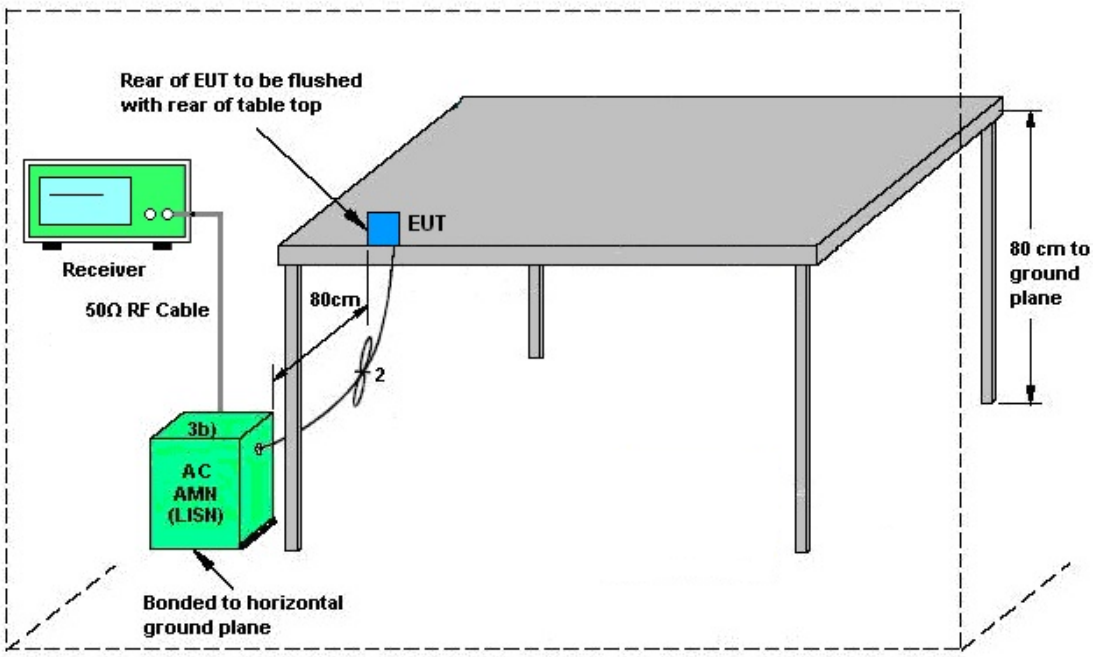
3.5.2 Measuring Instruments

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



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix 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.

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	2.60	2.30	2.60	5.46	0.00	0.00

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

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

<TXBF Mode>

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	2.60	2.30	5.46	5.46	0.00	0.00

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	Sep. 11, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Dec. 08, 2017	Sep. 11, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Sep. 11, 2018	Nov. 29, 2018	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 11, 2018	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Sep. 11, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Sep. 11, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Nov. 23, 2017	Sep. 11, 2018 ~ Oct. 08, 2018	Nov. 22, 2018	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800N1D01N-06	37059&01	30MHz~1GHz	Oct. 14, 2017	Sep. 11, 2018 ~ Oct. 08, 2018	Oct. 13, 2018	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1328	1GHz ~ 18GHz	Oct. 20, 2017	Sep. 11, 2018 ~ Oct. 08, 2018	Oct. 19, 2018	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz ~ 40GHz	Nov. 27, 2017	Sep. 11, 2018 ~ Oct. 08, 2018	Nov. 26, 2018	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 26, 2018	Sep. 11, 2018 ~ Oct. 08, 2018	Mar. 25, 2019	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY53270148	1GHz~26.5GHz	Jan. 15, 2018	Sep. 11, 2018 ~ Oct. 08, 2018	Jan. 14, 2019	Radiation (03CH12-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 21, 2018	Sep. 11, 2018 ~ Oct. 08, 2018	May 20, 2019	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 05, 2017	Sep. 11, 2018 ~ Oct. 08, 2018	Dec. 04, 2018	Radiation (03CH12-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100390	20Hz~26.5GHz	Dec. 25, 2017	Sep. 11, 2018 ~ Oct. 08, 2018	Dec. 24, 2018	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Oct. 31, 2017	Sep. 11, 2018 ~ Oct. 08, 2018	Oct. 30, 2018	Radiation (03CH12-HY)
Filter	Woken	WHKX8-5272.5-6750-18000-40ST	SN2	6.75G Highpass	Mar. 21, 2018	Sep. 11, 2018 ~ Oct. 08, 2018	Mar. 20, 2019	Radiation (03CH12-HY)
Filter	Wainwright	WLJ4-1000-1530-6000-40ST	SN3	1.53 GHz Lowpass	Mar. 21, 2018	Sep. 11, 2018 ~ Oct. 08, 2018	Mar. 20, 2019	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15539/4	30M-18G	Mar. 14, 2018	Sep. 11, 2018 ~ Oct. 08, 2018	Mar. 13, 2019	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 17, 2017	Sep. 11, 2018 ~ Oct. 08, 2018	Oct. 16, 2018	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 17, 2017	Sep. 11, 2018 ~ Oct. 08, 2018	Oct. 16, 2018	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Sep. 11, 2018 ~ Oct. 08, 2018	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Sep. 11, 2018 ~ Oct. 08, 2018	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Sep. 11, 2018 ~ Oct. 08, 2018	N/A	Radiation (03CH12-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
<CDD Mode>								
Power Meter	Anritsu	ML2495A	0932001	N/A	Sep. 26, 2017	Aug. 31, 2018 ~ Sep. 23, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 26, 2017	Aug. 31, 2018 ~ Sep. 23, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz ~ 30GHz	Nov. 13, 2017	Aug. 31, 2018 ~ Sep. 23, 2018	Nov. 12, 2018	Conducted (TH05-HY)
<TXBF Mode>								
Power Sensor	DARE	RadiPower	15I00041SNO09	10MHz~6GHz	May 07, 2018	Oct. 03, 2018 ~ Oct. 08, 2018	May 06, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz ~ 30GHz	Nov. 13, 2017	Oct. 03, 2018 ~ Oct. 08, 2018	Nov. 12, 2018	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))	**5.1**

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

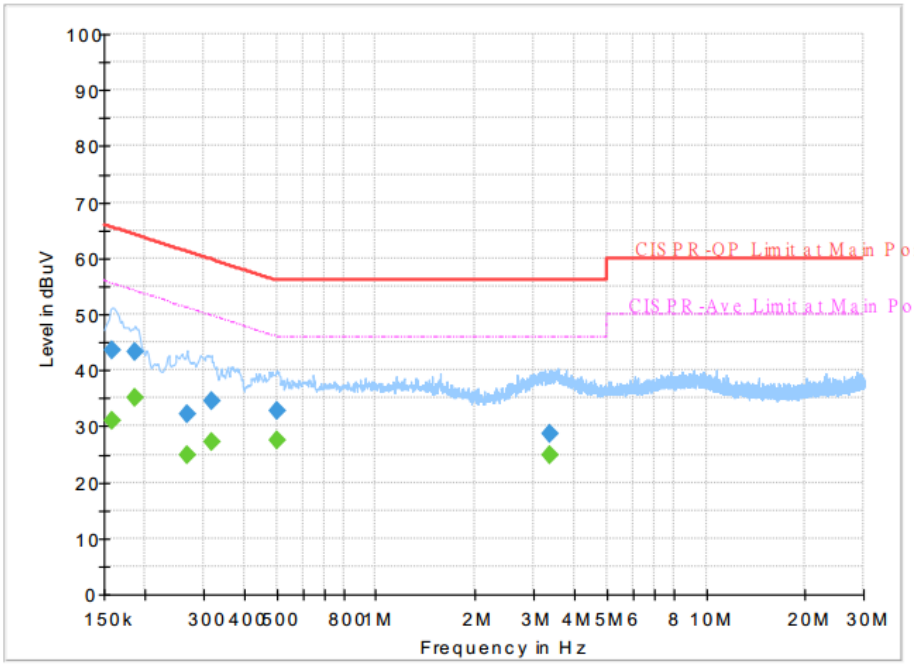
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.2**

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

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

Appendix A. AC Conducted Emission Test Results

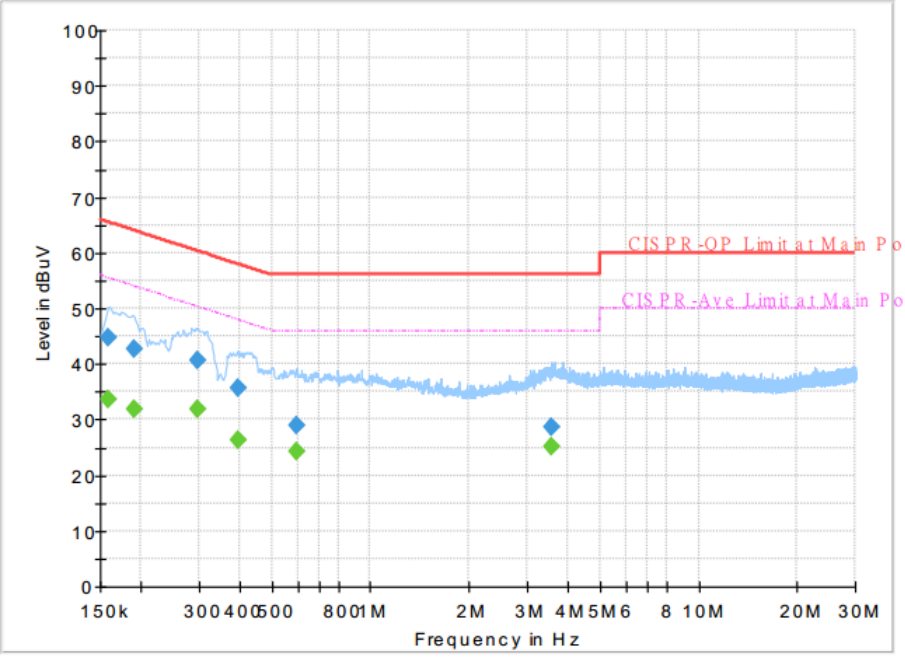
Test Engineer :	Rick Lin	Temperature :	23~25℃
		Relative Humidity :	56~58%
Test Voltage :	120Vac / 60Hz	Phase :	Line



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	31.09	55.52	24.43	L1	OFF	19.5
0.159000	43.56	---	65.52	21.96	L1	OFF	19.5
0.186000	---	35.04	54.21	19.17	L1	OFF	19.5
0.186000	43.40	---	64.21	20.81	L1	OFF	19.5
0.267000	---	24.85	51.21	26.36	L1	OFF	19.5
0.267000	32.11	---	61.21	29.10	L1	OFF	19.5
0.316500	---	27.21	49.80	22.59	L1	OFF	19.5
0.316500	34.55	---	59.80	25.25	L1	OFF	19.5
0.501000	---	27.54	46.00	18.46	L1	OFF	19.5
0.501000	32.65	---	56.00	23.35	L1	OFF	19.5
3.349500	---	24.98	46.00	21.02	L1	OFF	19.7
3.349500	28.73	---	56.00	27.27	L1	OFF	19.7

Test Engineer :	Rick Lin	**Temperature :**	23~25℃
		Relative Humidity :	56~58%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	33.61	55.52	21.91	N	OFF	19.5
0.159000	44.77	---	65.52	20.75	N	OFF	19.5
0.190500	---	32.01	54.02	22.01	N	OFF	19.5
0.190500	42.81	---	64.02	21.21	N	OFF	19.5
0.298500	---	31.99	50.28	18.29	N	OFF	19.5
0.298500	40.64	---	60.28	19.64	N	OFF	19.5
0.393000	---	26.21	48.00	21.79	N	OFF	19.5
0.393000	35.63	---	58.00	22.37	N	OFF	19.5
0.595500	---	24.28	46.00	21.72	N	OFF	19.5
0.595500	29.04	---	56.00	26.96	N	OFF	19.5
3.547500	---	25.14	46.00	20.86	N	OFF	19.7
3.547500	28.54	---	56.00	27.46	N	OFF	19.7

Appendix B. Radiated Spurious Emission

Test Engineer :	Jack Cheng, Lance Chiang, and Peter Liao	Temperature :	22~25°C
		Relative Humidity :	53~67%

<CDD Mode>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		5628.4	54.11	-14.09	68.2	42.72	32.17	10.44	31.22	131	152	P	H
		5696.8	58.19	-44.65	102.84	46.67	32.27	10.5	31.25	131	152	P	H
		5719.8	61.02	-49.72	110.74	49.45	32.31	10.52	31.26	131	152	P	H
		5724.8	62.25	-59.49	121.74	50.68	32.31	10.52	31.26	131	152	P	H
	*	5745	106.22	-	-	94.61	32.34	10.54	31.27	131	152	P	H
	*	5745	95.32	-	-	83.71	32.34	10.54	31.27	131	152	A	H
													H
													H
		5648.6	56.24	-11.96	68.2	44.81	32.19	10.46	31.22	107	173	P	V
		5700	66.1	-39.1	105.2	54.58	32.27	10.5	31.25	107	173	P	V
		5718.8	69.55	-40.91	110.46	57.98	32.31	10.52	31.26	107	173	P	V
		5724.2	69.37	-51.01	120.38	57.8	32.31	10.52	31.26	107	173	P	V
	*	5745	114.02	-	-	102.41	32.34	10.54	31.27	107	173	P	V
	*	5745	103.11	-	-	91.5	32.34	10.54	31.27	107	173	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)
		5601.6	53.22	-14.98	68.2	41.86	32.14	10.42	31.2	325	201	P	H
		5699.2	53.95	-50.66	104.61	42.43	32.27	10.5	31.25	325	201	P	H
		5712.6	53.9	-54.83	108.73	42.36	32.29	10.51	31.26	325	201	P	H
		5720.6	54.22	-57.95	112.17	42.65	32.31	10.52	31.26	325	201	P	H
	*	5785	107.69	-	-	96.02	32.39	10.57	31.29	325	201	P	H
	*	5785	96.58	-	-	84.91	32.39	10.57	31.29	325	201	A	H
		5851	53.6	-66.32	119.92	41.82	32.48	10.62	31.32	325	201	P	H
		5874.6	54.15	-51.16	105.31	42.31	32.53	10.64	31.33	325	201	P	H
		5900.4	54.29	-32.07	86.36	42.41	32.56	10.66	31.34	325	201	P	H
		5939	53.91	-14.29	68.2	41.97	32.63	10.68	31.37	325	201	P	H
													H
802.11a CH 157 5785MHz													H
		5631.2	54.3	-13.9	68.2	42.91	32.17	10.44	31.22	100	173	P	V
		5696.2	55.25	-47.15	102.4	43.73	32.27	10.5	31.25	100	173	P	V
		5718.2	57.1	-53.2	110.3	45.54	32.31	10.51	31.26	100	173	P	V
		5724.8	56.73	-65.01	121.74	45.16	32.31	10.52	31.26	100	173	P	V
	*	5785	115.56	-	-	103.89	32.39	10.57	31.29	100	173	P	V
	*	5785	104.32	-	-	92.65	32.39	10.57	31.29	100	173	A	V
		5851.6	57.26	-61.29	118.55	45.48	32.48	10.62	31.32	100	173	P	V
		5859.8	56.4	-53.05	109.45	44.6	32.51	10.62	31.33	100	173	P	V
		5892.6	55.55	-36.59	92.14	43.68	32.56	10.65	31.34	100	173	P	V
		5933.4	55.13	-13.07	68.2	43.2	32.6	10.68	31.35	100	173	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	106.41	-	-	94.66	32.46	10.6	31.31	100	149	P	H
	*	5825	95.54	-	-	83.79	32.46	10.6	31.31	100	149	A	H
		5853.2	57.7	-57.2	114.9	45.92	32.48	10.62	31.32	100	149	P	H
		5861.2	58.1	-50.96	109.06	46.29	32.51	10.63	31.33	100	149	P	H
		5878.2	56.3	-46.52	102.82	44.46	32.53	10.64	31.33	100	149	P	H
		5927.8	54.78	-13.42	68.2	42.85	32.6	10.68	31.35	100	149	P	H
													H
802.11a													H
CH 165	*	5825	113.68	-	-	101.93	32.46	10.6	31.31	100	173	P	V
5825MHz	*	5825	102.47	-	-	90.72	32.46	10.6	31.31	100	173	A	V
		5851	64.13	-55.79	119.92	52.35	32.48	10.62	31.32	100	173	P	V
		5865.2	63.5	-44.44	107.94	51.69	32.51	10.63	31.33	100	173	P	V
		5875.6	60.59	-44.16	104.75	48.75	32.53	10.64	31.33	100	173	P	V
		5927	55.24	-12.96	68.2	43.31	32.6	10.68	31.35	100	173	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	48.48	-25.52	74	48.18	40.11	16.49	56.3	100	0	P	H
		17235	48.75	-19.45	68.2	43	41.54	20.78	56.57	100	0	P	H
													H
													H
		11490	48.9	-25.1	74	48.6	40.11	16.49	56.3	100	0	P	V
		17235	48.84	-19.36	68.2	43.09	41.54	20.78	56.57	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	48.46	-25.54	74	48.28	39.93	16.55	56.3	100	0	P	H
		17355	48.85	-19.35	68.2	42.82	41.96	20.88	56.81	100	0	P	H
													H
													H
		11570	48.98	-25.02	74	48.8	39.93	16.55	56.3	100	0	P	V
		17355	49	-19.2	68.2	42.97	41.96	20.88	56.81	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	48.35	-25.65	74	48.26	39.77	16.62	56.3	100	0	P	H
		17475	48.42	-19.78	68.2	42.12	42.38	20.97	57.05	100	0	P	H
													H
													H
		11650	48.35	-25.65	74	48.26	39.77	16.62	56.3	100	0	P	V
		17475	48.98	-19.22	68.2	42.68	42.38	20.97	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)
		5619.8	54.76	-13.44	68.2	43.36	32.17	10.44	31.21	100	267	P	H
		5699.2	60	-44.61	104.61	48.48	32.27	10.5	31.25	100	267	P	H
		5718.4	61.23	-49.12	110.35	49.67	32.31	10.51	31.26	100	267	P	H
		5724.4	62.75	-58.08	120.83	51.18	32.31	10.52	31.26	100	267	P	H
	*	5745	106.11	-	-	94.5	32.34	10.54	31.27	100	267	P	H
	*	5745	94.8	-	-	83.19	32.34	10.54	31.27	100	267	A	H
802.11n													H
HT20													H
CH 149		5640.6	58.18	-10.02	68.2	46.76	32.19	10.45	31.22	100	187	P	V
5745MHz		5698	65.83	-37.9	103.73	54.31	32.27	10.5	31.25	100	187	P	V
		5719.8	67.99	-42.75	110.74	56.42	32.31	10.52	31.26	100	187	P	V
		5724.8	69.01	-52.73	121.74	57.44	32.31	10.52	31.26	100	187	P	V
	*	5745	113.68	-	-	102.07	32.34	10.54	31.27	100	187	P	V
	*	5745	101.98	-	-	90.37	32.34	10.54	31.27	100	187	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)
		5647.6	54.01	-14.19	68.2	42.58	32.19	10.46	31.22	100	269	P	H
		5694.2	54.58	-46.34	100.92	43.06	32.27	10.5	31.25	100	269	P	H
		5716.8	54.99	-54.92	109.91	43.45	32.29	10.51	31.26	100	269	P	H
		5723.8	56.1	-63.36	119.46	44.53	32.31	10.52	31.26	100	269	P	H
	*	5785	107.49	-	-	95.82	32.39	10.57	31.29	100	269	P	H
	*	5785	95.77	-	-	84.1	32.39	10.57	31.29	100	269	A	H
		5851.2	56.2	-63.26	119.46	44.42	32.48	10.62	31.32	100	269	P	H
		5855.6	55.53	-55.1	110.63	43.72	32.51	10.62	31.32	100	269	P	H
		5886.2	54.98	-41.9	96.88	43.15	32.53	10.64	31.34	100	269	P	H
		5934	55.86	-12.34	68.2	43.93	32.6	10.68	31.35	100	269	P	H
802.11n													H
HT20													H
CH 157		5645.6	54.4	-13.8	68.2	42.97	32.19	10.46	31.22	100	173	P	V
5785MHz		5698	57.33	-46.4	103.73	45.81	32.27	10.5	31.25	100	173	P	V
		5719.2	60.67	-49.91	110.58	49.1	32.31	10.52	31.26	100	173	P	V
		5723	61.01	-56.63	117.64	49.44	32.31	10.52	31.26	100	173	P	V
	*	5785	115.01	-	-	103.34	32.39	10.57	31.29	100	173	P	V
	*	5785	103.4	-	-	91.73	32.39	10.57	31.29	100	173	A	V
		5850	62.3	-59.9	122.2	50.52	32.48	10.62	31.32	100	173	P	V
		5855	60.42	-50.38	110.8	48.61	32.51	10.62	31.32	100	173	P	V
		5889.4	57.6	-36.91	94.51	45.73	32.56	10.65	31.34	100	173	P	V
		5935.2	55.91	-12.29	68.2	44	32.6	10.68	31.37	100	173	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	107.31	-	-	95.56	32.46	10.6	31.31	100	151	P	H
	*	5825	95.57	-	-	83.82	32.46	10.6	31.31	100	151	A	H
		5851.8	60.32	-57.78	118.1	48.54	32.48	10.62	31.32	100	151	P	H
		5857	59.85	-50.39	110.24	48.04	32.51	10.62	31.32	100	151	P	H
		5875.8	58.69	-45.92	104.61	46.85	32.53	10.64	31.33	100	151	P	H
		5940.4	55.49	-12.71	68.2	43.54	32.63	10.69	31.37	100	151	P	H
802.11n													H
HT20													H
CH 165	*	5825	114.11	-	-	102.36	32.46	10.6	31.31	100	172	P	V
5825MHz	*	5825	102.71	-	-	90.96	32.46	10.6	31.31	100	172	A	V
		5850.6	64.85	-55.98	120.83	53.07	32.48	10.62	31.32	100	172	P	V
		5863.4	65.24	-43.21	108.45	53.43	32.51	10.63	31.33	100	172	P	V
		5877.4	63.74	-39.68	103.42	51.9	32.53	10.64	31.33	100	172	P	V
		5928.8	56.79	-11.41	68.2	44.86	32.6	10.68	31.35	100	172	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	48.29	40.11	16.49	56.3	100	0	P	H
		17235	48.96	-19.24	68.2	43.21	41.54	20.78	56.57	100	0	P	H
802.11n													H
HT20													H
CH 149		11490	48.91	-25.09	74	48.61	40.11	16.49	56.3	100	0	P	V
5745MHz		17235	48.96	-19.24	68.2	43.21	41.54	20.78	56.57	100	0	P	V
													V
													V
		11570	48.59	-25.41	74	48.41	39.93	16.55	56.3	100	0	P	H
		17355	50.58	-17.62	68.2	44.55	41.96	20.88	56.81	100	0	P	H
802.11n													H
HT20													H
CH 157		11570	48.48	-25.52	74	48.3	39.93	16.55	56.3	100	0	P	V
5785MHz		17355	50.68	-17.52	68.2	44.65	41.96	20.88	56.81	100	0	P	V
													V
													V
		11650	47.18	-26.82	74	47.09	39.77	16.62	56.3	100	0	P	H
		17475	49.28	-18.92	68.2	42.98	42.38	20.97	57.05	100	0	P	H
802.11n													H
HT20													H
CH 165		11650	47.78	-26.22	74	47.69	39.77	16.62	56.3	100	0	P	V
5825MHz		17475	49.25	-18.95	68.2	42.95	42.38	20.97	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)
		5631.8	54.02	-14.18	68.2	42.62	32.17	10.45	31.22	100	268	P	H
		5695.8	58.88	-43.22	102.1	47.36	32.27	10.5	31.25	100	268	P	H
		5716.8	63.32	-46.59	109.91	51.78	32.29	10.51	31.26	100	268	P	H
		5724.2	65.06	-55.32	120.38	53.49	32.31	10.52	31.26	100	268	P	H
	*	5755	104.07	-	-	92.44	32.36	10.54	31.27	100	268	P	H
	*	5755	92.96	-	-	81.33	32.36	10.54	31.27	100	268	A	H
		5854.6	54.26	-57.45	111.71	42.45	32.51	10.62	31.32	100	268	P	H
		5868.4	55.13	-51.92	107.05	43.32	32.51	10.63	31.33	100	268	P	H
		5906	54.47	-27.75	82.22	42.57	32.58	10.66	31.34	100	268	P	H
		5937.4	54.03	-14.17	68.2	42.12	32.6	10.68	31.37	100	268	P	H
802.11n													H
HT40													H
CH 151		5643.2	56.32	-11.88	68.2	44.9	32.19	10.45	31.22	102	174	P	V
5755MHz		5693.8	64.37	-36.26	100.63	52.85	32.27	10.5	31.25	102	174	P	V
		5719.2	69.19	-41.39	110.58	57.62	32.31	10.52	31.26	102	174	P	V
		5725	71.04	-51.16	122.2	59.47	32.31	10.52	31.26	102	174	P	V
	*	5755	111.12	-	-	99.49	32.36	10.54	31.27	102	174	P	V
	*	5755	100.06	-	-	88.43	32.36	10.54	31.27	102	174	A	V
		5854	58.06	-55.02	113.08	46.25	32.51	10.62	31.32	102	174	P	V
		5860.4	58.39	-50.9	109.29	46.58	32.51	10.63	31.33	102	174	P	V
		5879.6	56.19	-45.59	101.78	44.35	32.53	10.64	31.33	102	174	P	V
		5945.4	54.82	-13.38	68.2	42.87	32.63	10.69	31.37	102	174	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)
		5644	53.74	-14.46	68.2	42.31	32.19	10.46	31.22	100	266	P	H
		5690.8	54.81	-43.61	98.42	43.3	32.27	10.49	31.25	100	266	P	H
		5715.4	55.43	-54.08	109.51	43.89	32.29	10.51	31.26	100	266	P	H
		5722.2	56.85	-58.97	115.82	45.28	32.31	10.52	31.26	100	266	P	H
	*	5795	104.85	-	-	93.15	32.41	10.58	31.29	100	266	P	H
	*	5795	93.52	-	-	81.82	32.41	10.58	31.29	100	266	A	H
		5851.2	57.77	-61.69	119.46	45.99	32.48	10.62	31.32	100	266	P	H
		5861.2	57.35	-51.71	109.06	45.54	32.51	10.63	31.33	100	266	P	H
		5877.4	56	-47.42	103.42	44.16	32.53	10.64	31.33	100	266	P	H
		5937.4	55.04	-13.16	68.2	43.13	32.6	10.68	31.37	100	266	P	H
802.11n													H
HT40													H
CH 159		5647	54.46	-13.74	68.2	43.03	32.19	10.46	31.22	112	172	P	V
5795MHz		5699	56.89	-47.57	104.46	45.37	32.27	10.5	31.25	112	172	P	V
		5712.4	60.63	-48.04	108.67	49.09	32.29	10.51	31.26	112	172	P	V
		5722.2	62.22	-53.6	115.82	50.65	32.31	10.52	31.26	112	172	P	V
	*	5795	112.02	-	-	100.32	32.41	10.58	31.29	112	172	P	V
	*	5795	101.09	-	-	89.39	32.41	10.58	31.29	112	172	A	V
		5851.4	65.18	-53.83	119.01	53.4	32.48	10.62	31.32	112	172	P	V
		5868.8	62.27	-44.66	106.93	50.46	32.51	10.63	31.33	112	172	P	V
		5878	60.26	-42.71	102.97	48.42	32.53	10.64	31.33	112	172	P	V
		5933.8	55.15	-13.05	68.2	43.22	32.6	10.68	31.35	112	172	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	47.71	-26.29	74	47.41	40.1	16.5	56.3	100	0	P	H
		17265	49.68	-18.52	68.2	43.84	41.66	20.81	56.63	100	0	P	H
802.11n													H
HT40													H
CH 151		11510	48.87	-25.13	74	48.57	40.1	16.5	56.3	100	0	P	V
5755MHz		17265	48.89	-19.31	68.2	43.05	41.66	20.81	56.63	100	0	P	V
													V
													V
		11590	47.93	-26.07	74	47.77	39.89	16.57	56.3	100	0	P	H
		17385	49.67	-18.53	68.2	43.56	42.08	20.9	56.87	100	0	P	H
802.11n													H
HT40													H
CH 159		11590	47.85	-26.15	74	47.69	39.89	16.57	56.3	100	0	P	V
5795MHz		17385	50.23	-17.97	68.2	44.12	42.08	20.9	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)
		5649.6	53.78	-14.42	68.2	42.32	32.22	10.46	31.22	100	266	P	H
		5695.4	60.97	-40.84	101.81	49.45	32.27	10.5	31.25	100	266	P	H
		5719	63.4	-47.12	110.52	51.83	32.31	10.52	31.26	100	266	P	H
		5720.2	64.67	-46.59	111.26	53.1	32.31	10.52	31.26	100	266	P	H
	*	5775	100.88	-	-	89.21	32.39	10.56	31.28	100	266	P	H
	*	5775	90.2	-	-	78.53	32.39	10.56	31.28	100	266	A	H
		5851.4	61.24	-57.77	119.01	49.46	32.48	10.62	31.32	100	266	P	H
		5858.8	58.66	-51.07	109.73	46.86	32.51	10.62	31.33	100	266	P	H
		5875.2	56.09	-48.96	105.05	44.25	32.53	10.64	31.33	100	266	P	H
		5940	54.87	-13.33	68.2	42.93	32.63	10.68	31.37	100	266	P	H
802.11ac													H
VHT80													H
CH 155		5646.8	55.03	-13.17	68.2	43.6	32.19	10.46	31.22	100	173	P	V
5775MHz		5698.6	66.21	-37.96	104.17	54.69	32.27	10.5	31.25	100	173	P	V
		5715.8	69.61	-40.02	109.63	58.07	32.29	10.51	31.26	100	173	P	V
		5720.2	70.56	-40.7	111.26	58.99	32.31	10.52	31.26	100	173	P	V
	*	5775	108.01	-	-	96.34	32.39	10.56	31.28	100	173	P	V
	*	5775	97.74	-	-	86.07	32.39	10.56	31.28	100	173	A	V
		5851.4	67.18	-51.83	119.01	55.4	32.48	10.62	31.32	100	173	P	V
		5855.2	66.18	-44.56	110.74	54.37	32.51	10.62	31.32	100	173	P	V
		5875.4	61.23	-43.67	104.9	49.39	32.53	10.64	31.33	100	173	P	V
		5945.4	55.16	-13.04	68.2	43.21	32.63	10.69	31.37	100	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. 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	48	-26	74	47.78	39.98	16.54	56.3	100	0	P	H
		17325	49.67	-18.53	68.2	43.73	41.84	20.85	56.75	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	47.98	-26.02	74	47.76	39.98	16.54	56.3	100	0	P	V
5775MHz		17325	50.06	-18.14	68.2	44.12	41.84	20.85	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.												

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)
		5620.6	53.52	-14.68	68.2	42.12	32.17	10.44	31.21	117	229	P	H
		5669.8	56.59	-26.3	82.89	45.1	32.24	10.48	31.23	117	229	P	H
		5717.2	56.04	-53.98	110.02	44.5	32.29	10.51	31.26	117	229	P	H
		5724.8	60.82	-60.92	121.74	49.25	32.31	10.52	31.26	117	229	P	H
	*	5745	111.74	-	-	100.13	32.34	10.54	31.27	117	229	P	H
	*	5745	100.58	-	-	88.97	32.34	10.54	31.27	117	229	A	H
													H
802.11a													H
CH 149		5647.4	52.46	-15.74	68.2	41.03	32.19	10.46	31.22	400	66	P	V
5745MHz		5691	52.34	-46.22	98.56	40.83	32.27	10.49	31.25	400	66	P	V
		5711.8	53.12	-55.39	108.51	41.58	32.29	10.51	31.26	400	66	P	V
		5724.6	54.86	-66.43	121.29	43.29	32.31	10.52	31.26	400	66	P	V
	*	5745	104.87	-	-	93.26	32.34	10.54	31.27	400	66	P	V
	*	5745	93.67	-	-	82.06	32.34	10.54	31.27	400	66	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)
		5645.8	53.35	-14.85	68.2	41.92	32.19	10.46	31.22	118	228	P	H
		5672.4	53.47	-31.35	84.82	41.98	32.24	10.48	31.23	118	228	P	H
		5713.4	54.62	-54.33	108.95	43.08	32.29	10.51	31.26	118	228	P	H
		5725	54.78	-67.42	122.2	43.21	32.31	10.52	31.26	118	228	P	H
	*	5785	112.19	-	-	100.52	32.39	10.57	31.29	118	228	P	H
	*	5785	101.07	-	-	89.4	32.39	10.57	31.29	118	228	A	H
		5852	55.21	-62.43	117.64	43.43	32.48	10.62	31.32	118	228	P	H
		5855.8	56.13	-54.45	110.58	44.32	32.51	10.62	31.32	118	228	P	H
		5904.8	54.47	-28.64	83.11	42.57	32.58	10.66	31.34	118	228	P	H
		5946.8	54.23	-13.97	68.2	42.28	32.63	10.69	31.37	118	228	P	H
													H
802.11a CH 157 5785MHz													H
		5633.4	53.2	-15	68.2	41.78	32.19	10.45	31.22	400	91	P	V
		5686.8	53.18	-42.28	95.46	41.67	32.27	10.49	31.25	400	91	P	V
		5702.2	53.09	-52.73	105.82	41.55	32.29	10.5	31.25	400	91	P	V
		5723.8	52.44	-67.02	119.46	40.87	32.31	10.52	31.26	400	91	P	V
	*	5785	105.24	-	-	93.57	32.39	10.57	31.29	400	91	P	V
	*	5785	94.51	-	-	82.84	32.39	10.57	31.29	400	91	A	V
		5854.4	52.87	-59.3	112.17	41.06	32.51	10.62	31.32	400	91	P	V
		5856.4	53.29	-57.12	110.41	41.48	32.51	10.62	31.32	400	91	P	V
		5920.8	53.61	-17.69	71.3	41.71	32.58	10.67	31.35	400	91	P	V
		5947.4	53.26	-14.94	68.2	41.31	32.63	10.69	31.37	400	91	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	111.28	-	-	99.53	32.46	10.6	31.31	115	230	P	H
	*	5825	100.22	-	-	88.47	32.46	10.6	31.31	115	230	A	H
		5851.4	60.08	-58.93	119.01	48.3	32.48	10.62	31.32	115	230	P	H
		5855.4	57.77	-52.92	110.69	45.96	32.51	10.62	31.32	115	230	P	H
		5884.2	56.26	-42.11	98.37	44.43	32.53	10.64	31.34	115	230	P	H
		5942.6	53.78	-14.42	68.2	41.83	32.63	10.69	31.37	115	230	P	H
													H
802.11a													H
CH 165	*	5825	102.81	-	-	91.06	32.46	10.6	31.31	400	88	P	V
5825MHz	*	5825	91.99	-	-	80.24	32.46	10.6	31.31	400	88	A	V
		5853.8	53.37	-60.17	113.54	41.56	32.51	10.62	31.32	400	88	P	V
		5861.6	53.44	-55.51	108.95	41.63	32.51	10.63	31.33	400	88	P	V
		5916.4	53.26	-21.28	74.54	41.36	32.58	10.67	31.35	400	88	P	V
		5935.4	53.24	-14.96	68.2	41.33	32.6	10.68	31.37	400	88	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	48.04	-25.96	74	47.74	40.11	16.49	56.3	100	0	P	H
		17235	49.87	-18.33	68.2	44.12	41.54	20.78	56.57	100	0	P	H
													H
													H
		11490	48.32	-25.68	74	48.02	40.11	16.49	56.3	100	0	P	V
		17235	49.56	-18.64	68.2	43.81	41.54	20.78	56.57	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	48.69	-25.31	74	48.51	39.93	16.55	56.3	100	0	P	H
		17355	50.13	-18.07	68.2	44.1	41.96	20.88	56.81	100	0	P	H
													H
													H
		11570	48.28	-25.72	74	48.1	39.93	16.55	56.3	100	0	P	V
		17355	50.15	-18.05	68.2	44.12	41.96	20.88	56.81	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	47.37	-26.63	74	47.28	39.77	16.62	56.3	100	0	P	H
		17475	48.91	-19.29	68.2	42.61	42.38	20.97	57.05	100	0	P	H
													H
													H
		11650	48.87	-25.13	74	48.78	39.77	16.62	56.3	100	0	P	V
		17475	48.94	-19.26	68.2	42.64	42.38	20.97	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)
		5621	54.22	-13.98	68.2	42.82	32.17	10.44	31.21	110	230	P	H
		5698.8	59.63	-44.69	104.32	48.11	32.27	10.5	31.25	110	230	P	H
		5719.2	60.21	-50.37	110.58	48.64	32.31	10.52	31.26	110	230	P	H
		5725	62.63	-59.57	122.2	51.06	32.31	10.52	31.26	110	230	P	H
	*	5745	111.3	-	-	99.69	32.34	10.54	31.27	110	230	P	H
	*	5745	100.03	-	-	88.42	32.34	10.54	31.27	110	230	A	H
802.11n													H
HT20													H
CH 149		5638.4	54.29	-13.91	68.2	42.87	32.19	10.45	31.22	400	85	P	V
5745MHz		5676.2	54.12	-33.51	87.63	42.63	32.24	10.48	31.23	400	85	P	V
		5717.8	54.96	-55.22	110.18	43.4	32.31	10.51	31.26	400	85	P	V
		5725	56.37	-65.83	122.2	44.8	32.31	10.52	31.26	400	85	P	V
	*	5745	103.83	-	-	92.22	32.34	10.54	31.27	400	85	P	V
	*	5745	93.01	-	-	81.4	32.34	10.54	31.27	400	85	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)
		5632.4	54	-14.2	68.2	42.6	32.17	10.45	31.22	119	231	P	H
		5662.2	54.78	-22.48	77.26	43.32	32.22	10.47	31.23	119	231	P	H
		5716.8	56.4	-53.51	109.91	44.86	32.29	10.51	31.26	119	231	P	H
		5720.6	55.97	-56.2	112.17	44.4	32.31	10.52	31.26	119	231	P	H
	*	5785	111.73	-	-	100.06	32.39	10.57	31.29	119	231	P	H
	*	5785	100.16	-	-	88.49	32.39	10.57	31.29	119	231	A	H
		5851.2	59.04	-60.42	119.46	47.26	32.48	10.62	31.32	119	231	P	H
		5861.2	58.52	-50.54	109.06	46.71	32.51	10.63	31.33	119	231	P	H
		5875.2	55.67	-49.38	105.05	43.83	32.53	10.64	31.33	119	231	P	H
		5935.8	55.45	-12.75	68.2	43.54	32.6	10.68	31.37	119	231	P	H
802.11n													H
HT20													H
CH 157		5605.6	53.9	-14.3	68.2	42.55	32.14	10.42	31.21	399	91	P	V
5785MHz		5670.2	53.98	-29.21	83.19	42.49	32.24	10.48	31.23	399	91	P	V
		5710.8	54.27	-53.96	108.23	42.73	32.29	10.51	31.26	399	91	P	V
		5722.4	53.69	-62.58	116.27	42.12	32.31	10.52	31.26	399	91	P	V
	*	5785	104.91	-	-	93.24	32.39	10.57	31.29	399	91	P	V
	*	5785	94.13	-	-	82.46	32.39	10.57	31.29	399	91	A	V
		5853.6	53.79	-60.2	113.99	41.98	32.51	10.62	31.32	399	91	P	V
		5864.2	54.63	-53.59	108.22	42.82	32.51	10.63	31.33	399	91	P	V
		5897.6	54.24	-34.2	88.44	42.37	32.56	10.65	31.34	399	91	P	V
		5944.6	54.55	-13.65	68.2	42.6	32.63	10.69	31.37	399	91	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	110.89	-	-	99.14	32.46	10.6	31.31	113	230	P	H
	*	5825	99.78	-	-	88.03	32.46	10.6	31.31	113	230	A	H
		5850.2	61.44	-60.3	121.74	49.66	32.48	10.62	31.32	113	230	P	H
		5856.6	61.03	-49.32	110.35	49.22	32.51	10.62	31.32	113	230	P	H
		5875.4	59.26	-45.64	104.9	47.42	32.53	10.64	31.33	113	230	P	H
		5930.4	55.71	-12.49	68.2	43.78	32.6	10.68	31.35	113	230	P	H
802.11n													H
HT20													H
CH 165	*	5825	102.55	-	-	90.8	32.46	10.6	31.31	400	89	P	V
5825MHz	*	5825	91.51	-	-	79.76	32.46	10.6	31.31	400	89	A	V
		5850.2	54.5	-67.24	121.74	42.72	32.48	10.62	31.32	400	89	P	V
		5858.6	54.56	-55.23	109.79	42.76	32.51	10.62	31.33	400	89	P	V
		5881	54.9	-45.84	100.74	43.06	32.53	10.64	31.33	400	89	P	V
		5930.6	55.01	-13.19	68.2	43.08	32.6	10.68	31.35	400	89	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	48.05	-25.95	74	47.75	40.11	16.49	56.3	100	0	P	H
		17235	49.89	-18.31	68.2	44.14	41.54	20.78	56.57	100	0	P	H
802.11n													H
HT20													H
CH 149		11490	48.28	-25.72	74	47.98	40.11	16.49	56.3	100	0	P	V
5745MHz		17235	49.61	-18.59	68.2	43.86	41.54	20.78	56.57	100	0	P	V
													V
													V
		11570	48	-26	74	47.82	39.93	16.55	56.3	100	0	P	H
		17355	50.74	-17.46	68.2	44.71	41.96	20.88	56.81	100	0	P	H
802.11n													H
HT20													H
CH 157		11570	48.07	-25.93	74	47.89	39.93	16.55	56.3	100	0	P	V
5785MHz		17355	50.46	-17.74	68.2	44.43	41.96	20.88	56.81	100	0	P	V
													V
													V
		11650	47.04	-26.96	74	46.95	39.77	16.62	56.3	100	0	P	H
		17475	49.15	-19.05	68.2	42.85	42.38	20.97	57.05	100	0	P	H
802.11n													H
HT20													H
CH 165		11650	48.71	-25.29	74	48.62	39.77	16.62	56.3	100	0	P	V
5825MHz		17475	48.83	-19.37	68.2	42.53	42.38	20.97	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)
		5603.8	54.24	-13.96	68.2	42.89	32.14	10.42	31.21	109	232	P	H
		5699.2	61.92	-42.69	104.61	50.4	32.27	10.5	31.25	109	232	P	H
		5717.4	63.81	-46.26	110.07	52.27	32.29	10.51	31.26	109	232	P	H
		5724.2	64.5	-55.88	120.38	52.93	32.31	10.52	31.26	109	232	P	H
	*	5755	109.16	-	-	97.53	32.36	10.54	31.27	109	232	P	H
	*	5755	98.31	-	-	86.68	32.36	10.54	31.27	109	232	A	H
		5852	58.3	-59.34	117.64	46.52	32.48	10.62	31.32	109	232	P	H
		5861.4	56.03	-52.98	109.01	44.22	32.51	10.63	31.33	109	232	P	H
		5899.6	55.94	-31.02	86.96	44.07	32.56	10.65	31.34	109	232	P	H
		5928.6	55.56	-12.64	68.2	43.63	32.6	10.68	31.35	109	232	P	H
802.11n													H
HT40													H
CH 151		5639.2	54.19	-14.01	68.2	42.77	32.19	10.45	31.22	400	85	P	V
5755MHz		5699	54.7	-49.76	104.46	43.18	32.27	10.5	31.25	400	85	P	V
		5718	55.85	-54.39	110.24	44.29	32.31	10.51	31.26	400	85	P	V
		5724.2	57.22	-63.16	120.38	45.65	32.31	10.52	31.26	400	85	P	V
	*	5755	101.99	-	-	90.36	32.36	10.54	31.27	400	85	P	V
	*	5755	91.1	-	-	79.47	32.36	10.54	31.27	400	85	A	V
		5853.4	53.71	-60.74	114.45	41.93	32.48	10.62	31.32	400	85	P	V
		5857.4	54.61	-55.52	110.13	42.8	32.51	10.62	31.32	400	85	P	V
		5882.6	54.67	-44.89	99.56	42.83	32.53	10.64	31.33	400	85	P	V
		5933.8	54.28	-13.92	68.2	42.35	32.6	10.68	31.35	400	85	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)
		5611.6	54.8	-13.4	68.2	43.44	32.14	10.43	31.21	108	227	P	H
		5696.4	55.67	-46.88	102.55	44.15	32.27	10.5	31.25	108	227	P	H
		5719.8	56.76	-53.98	110.74	45.19	32.31	10.52	31.26	108	227	P	H
		5722.4	60.03	-56.24	116.27	48.46	32.31	10.52	31.26	108	227	P	H
	*	5795	109.18	-	-	97.48	32.41	10.58	31.29	108	227	P	H
	*	5795	98.16	-	-	86.46	32.41	10.58	31.29	108	227	A	H
		5854.6	60.13	-51.58	111.71	48.32	32.51	10.62	31.32	108	227	P	H
		5856.8	60.63	-49.67	110.3	48.82	32.51	10.62	31.32	108	227	P	H
		5875	58.52	-46.68	105.2	46.68	32.53	10.64	31.33	108	227	P	H
		5939.2	55.23	-12.97	68.2	43.29	32.63	10.68	31.37	108	227	P	H
802.11n													H
HT40													H
CH 159		5602	53.65	-14.55	68.2	42.29	32.14	10.42	31.2	400	91	P	V
5795MHz		5660.2	54.1	-21.67	75.77	42.64	32.22	10.47	31.23	400	91	P	V
		5709.6	53.84	-54.05	107.89	42.3	32.29	10.51	31.26	400	91	P	V
		5720.4	53.64	-58.07	111.71	42.07	32.31	10.52	31.26	400	91	P	V
	*	5795	101.93	-	-	90.23	32.41	10.58	31.29	400	91	P	V
	*	5795	91	-	-	79.3	32.41	10.58	31.29	400	91	A	V
		5850.2	54.35	-67.39	121.74	42.57	32.48	10.62	31.32	400	91	P	V
		5856.8	55.81	-54.49	110.3	44	32.51	10.62	31.32	400	91	P	V
		5899.8	55.06	-31.75	86.81	43.19	32.56	10.65	31.34	400	91	P	V
		5939.6	54.59	-13.61	68.2	42.65	32.63	10.68	31.37	400	91	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	48.49	-25.51	74	48.19	40.1	16.5	56.3	100	0	P	H
		17265	49.74	-18.46	68.2	43.9	41.66	20.81	56.63	100	0	P	H
802.11n													H
HT40													H
CH 151		11510	48.92	-25.08	74	48.62	40.1	16.5	56.3	100	0	P	V
5755MHz		17265	49.82	-18.38	68.2	43.98	41.66	20.81	56.63	100	0	P	V
													V
													V
		11590	48.53	-25.47	74	48.37	39.89	16.57	56.3	100	0	P	H
		17385	50.69	-17.51	68.2	44.58	42.08	20.9	56.87	100	0	P	H
802.11n													H
HT40													H
CH 159		11590	48.47	-25.53	74	48.31	39.89	16.57	56.3	100	0	P	V
5795MHz		17385	50.54	-17.66	68.2	44.43	42.08	20.9	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)
		5646	54.96	-13.24	68.2	43.53	32.19	10.46	31.22	113	231	P	H
		5697.2	59.98	-43.16	103.14	48.46	32.27	10.5	31.25	113	231	P	H
		5717.4	63.01	-47.06	110.07	51.47	32.29	10.51	31.26	113	231	P	H
		5720.2	62.53	-48.73	111.26	50.96	32.31	10.52	31.26	113	231	P	H
	*	5775	105.21	-	-	93.54	32.39	10.56	31.28	113	231	P	H
	*	5775	95	-	-	83.33	32.39	10.56	31.28	113	231	A	H
		5853.8	65.25	-48.29	113.54	53.44	32.51	10.62	31.32	113	231	P	H
		5858.6	64.85	-44.94	109.79	53.05	32.51	10.62	31.33	113	231	P	H
		5875.4	60.85	-44.05	104.9	49.01	32.53	10.64	31.33	113	231	P	H
		5926	55.11	-13.09	68.2	43.19	32.6	10.67	31.35	113	231	P	H
802.11ac													H
VHT80													H
CH 155		5620.6	53.68	-14.52	68.2	42.28	32.17	10.44	31.21	399	83	P	V
5775MHz		5699.2	54.81	-49.8	104.61	43.29	32.27	10.5	31.25	399	83	P	V
		5709.4	56.22	-51.61	107.83	44.68	32.29	10.51	31.26	399	83	P	V
		5720.4	56.1	-55.61	111.71	44.53	32.31	10.52	31.26	399	83	P	V
	*	5775	98.68	-	-	87.01	32.39	10.56	31.28	399	83	P	V
	*	5775	88.55	-	-	76.88	32.39	10.56	31.28	399	83	A	V
		5854	56.71	-56.37	113.08	44.9	32.51	10.62	31.32	399	83	P	V
		5856.8	56.62	-53.68	110.3	44.81	32.51	10.62	31.32	399	83	P	V
		5879.2	54.84	-47.24	102.08	43	32.53	10.64	31.33	399	83	P	V
		5926.4	54.78	-13.42	68.2	42.86	32.6	10.67	31.35	399	83	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	48.54	-25.46	74	48.32	39.98	16.54	56.3	100	0	P	H
		17325	50.71	-17.49	68.2	44.77	41.84	20.85	56.75	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	48.81	-25.19	74	48.59	39.98	16.54	56.3	100	0	P	V
5775MHz		17325	50.78	-17.42	68.2	44.84	41.84	20.85	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.												

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)
		5608	55.23	-12.97	68.2	43.87	32.14	10.43	31.21	114	175	P	H
		5695.6	59.67	-42.29	101.96	48.15	32.27	10.5	31.25	114	175	P	H
		5717.4	61.19	-48.88	110.07	49.65	32.29	10.51	31.26	114	175	P	H
		5723.8	61.24	-58.22	119.46	49.67	32.31	10.52	31.26	114	175	P	H
	*	5745	111.9	-	-	100.29	32.34	10.54	31.27	114	175	P	H
	*	5745	101.32	-	-	89.71	32.34	10.54	31.27	114	175	A	H
													H
802.11a													H
CH 149		5611.2	54.41	-13.79	68.2	43.05	32.14	10.43	31.21	114	172	P	V
5745MHz		5698.8	61.27	-43.05	104.32	49.75	32.27	10.5	31.25	114	172	P	V
		5713	63.84	-45	108.84	52.3	32.29	10.51	31.26	114	172	P	V
		5724.6	66.41	-54.88	121.29	54.84	32.31	10.52	31.26	114	172	P	V
	*	5745	113.8	-	-	102.19	32.34	10.54	31.27	114	172	P	V
	*	5745	103.08	-	-	91.47	32.34	10.54	31.27	114	172	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)
		5632.6	54.13	-14.07	68.2	42.71	32.19	10.45	31.22	105	238	P	H
		5694.8	55.39	-45.98	101.37	43.87	32.27	10.5	31.25	105	238	P	H
		5708.8	58.25	-49.42	107.67	46.71	32.29	10.51	31.26	105	238	P	H
		5722	58.71	-56.65	115.36	47.14	32.31	10.52	31.26	105	238	P	H
	*	5785	115.63	-	-	103.96	32.39	10.57	31.29	105	238	P	H
	*	5785	105.1	-	-	93.43	32.39	10.57	31.29	105	238	A	H
		5851.4	58.85	-60.16	119.01	47.07	32.48	10.62	31.32	105	238	P	H
		5860.2	58.64	-50.7	109.34	46.83	32.51	10.63	31.33	105	238	P	H
		5877.2	55.6	-47.97	103.57	43.76	32.53	10.64	31.33	105	238	P	H
		5938.2	55.8	-12.4	68.2	43.89	32.6	10.68	31.37	105	238	P	H
													H
802.11a CH 157 5785MHz													H
		5612.8	54.66	-13.54	68.2	43.3	32.14	10.43	31.21	100	171	P	V
		5698.6	58.23	-45.94	104.17	46.71	32.27	10.5	31.25	100	171	P	V
		5719.8	63.71	-47.03	110.74	52.14	32.31	10.52	31.26	100	171	P	V
		5723	64.23	-53.41	117.64	52.66	32.31	10.52	31.26	100	171	P	V
	*	5785	117.61	-	-	105.94	32.39	10.57	31.29	100	171	P	V
	*	5785	106.77	-	-	95.1	32.39	10.57	31.29	100	171	A	V
		5851.2	64.54	-54.92	119.46	52.76	32.48	10.62	31.32	100	171	P	V
		5855.4	62.36	-48.33	110.69	50.55	32.51	10.62	31.32	100	171	P	V
		5876.6	59.13	-44.88	104.01	47.29	32.53	10.64	31.33	100	171	P	V
		5939.8	55.52	-12.68	68.2	43.58	32.63	10.68	31.37	100	171	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	110.95	-	-	99.2	32.46	10.6	31.31	118	172	P	H
	*	5825	101.14	-	-	89.39	32.46	10.6	31.31	118	172	A	H
		5852	63.35	-54.29	117.64	51.57	32.48	10.62	31.32	118	172	P	H
		5857.2	62.33	-47.85	110.18	50.52	32.51	10.62	31.32	118	172	P	H
		5876.8	60	-43.86	103.86	48.16	32.53	10.64	31.33	118	172	P	H
		5928	55.28	-12.92	68.2	43.35	32.6	10.68	31.35	118	172	P	H
													H
802.11a													H
CH 165	*	5825	114.34	-	-	102.59	32.46	10.6	31.31	100	169	P	V
5825MHz	*	5825	103.15	-	-	91.4	32.46	10.6	31.31	100	169	A	V
		5850.4	63.36	-57.93	121.29	51.58	32.48	10.62	31.32	100	169	P	V
		5856.2	63.69	-46.77	110.46	51.88	32.51	10.62	31.32	100	169	P	V
		5878.4	61.53	-41.14	102.67	49.69	32.53	10.64	31.33	100	169	P	V
		5930	55.49	-12.71	68.2	43.56	32.6	10.68	31.35	100	169	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	48.75	-25.25	74	48.45	40.11	16.49	56.3	100	0	P	H
		17235	50.25	-17.95	68.2	44.5	41.54	20.78	56.57	100	0	P	H
													H
													H
		11490	48.77	-25.23	74	48.47	40.11	16.49	56.3	100	0	P	V
		17235	50.16	-18.04	68.2	44.41	41.54	20.78	56.57	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	51.83	-22.17	74	51.65	39.93	16.55	56.3	100	284	P	H
		11570	38.48	-15.52	54	38.3	39.93	16.55	56.3	100	284	A	H
		17355	51.52	-16.68	68.2	45.49	41.96	20.88	56.81	100	0	P	H
													H
		11570	52.34	-21.66	74	52.16	39.93	16.55	56.3	115	238	P	V
		11570	38.72	-15.28	54	38.54	39.93	16.55	56.3	115	238	A	V
		17355	52.41	-15.79	68.2	46.38	41.96	20.88	56.81	100	0	P	V
													V
802.11a CH 165 5825MHz		11650	47.91	-26.09	74	47.82	39.77	16.62	56.3	100	0	P	H
		17475	49.97	-18.23	68.2	43.67	42.38	20.97	57.05	100	0	P	H
													H
													H
		11650	47.55	-26.45	74	47.46	39.77	16.62	56.3	100	0	P	V
		17475	49.54	-18.66	68.2	43.24	42.38	20.97	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)
		5606.2	54.42	-13.78	68.2	43.07	32.14	10.42	31.21	100	236	P	H
		5694	59.83	-40.95	100.78	48.31	32.27	10.5	31.25	100	236	P	H
		5715.2	60.71	-48.75	109.46	49.17	32.29	10.51	31.26	100	236	P	H
		5722.8	62.46	-54.72	117.18	50.89	32.31	10.52	31.26	100	236	P	H
	*	5745	111.22	-	-	99.61	32.34	10.54	31.27	100	236	P	H
	*	5745	100.22	-	-	88.61	32.34	10.54	31.27	100	236	A	H
802.11n													H
HT20													H
CH 149		5644.4	55.56	-12.64	68.2	44.13	32.19	10.46	31.22	123	175	P	V
5745MHz		5699.2	64.28	-40.33	104.61	52.76	32.27	10.5	31.25	123	175	P	V
		5711.8	67.8	-40.71	108.51	56.26	32.29	10.51	31.26	123	175	P	V
		5724.8	68.35	-53.39	121.74	56.78	32.31	10.52	31.26	123	175	P	V
	*	5745	114.5	-	-	102.89	32.34	10.54	31.27	123	175	P	V
	*	5745	103.46	-	-	91.85	32.34	10.54	31.27	123	175	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)
		5624.4	54.79	-13.41	68.2	43.39	32.17	10.44	31.21	114	217	P	H
		5678.4	54.41	-34.85	89.26	42.92	32.24	10.48	31.23	114	217	P	H
		5719.6	55.21	-55.48	110.69	43.64	32.31	10.52	31.26	114	217	P	H
		5723.2	55.64	-62.46	118.1	44.07	32.31	10.52	31.26	114	217	P	H
	*	5785	112.73	-	-	101.06	32.39	10.57	31.29	114	217	P	H
	*	5785	101.26	-	-	89.59	32.39	10.57	31.29	114	217	A	H
		5850	55.45	-66.75	122.2	43.67	32.48	10.62	31.32	114	217	P	H
		5868	55.75	-51.41	107.16	43.94	32.51	10.63	31.33	114	217	P	H
		5905.4	55.05	-27.62	82.67	43.15	32.58	10.66	31.34	114	217	P	H
		5944.6	54.4	-13.8	68.2	42.45	32.63	10.69	31.37	114	217	P	H
802.11n													H
HT20													H
CH 157		5636.4	54.27	-13.93	68.2	42.85	32.19	10.45	31.22	100	173	P	V
5785MHz		5693.2	55.77	-44.42	100.19	44.26	32.27	10.49	31.25	100	173	P	V
		5720	60.2	-50.6	110.8	48.63	32.31	10.52	31.26	100	173	P	V
		5724.6	61.21	-60.08	121.29	49.64	32.31	10.52	31.26	100	173	P	V
	*	5785	115.12	-	-	103.45	32.39	10.57	31.29	100	173	P	V
	*	5785	104.16	-	-	92.49	32.39	10.57	31.29	100	173	A	V
		5851.2	60.59	-58.87	119.46	48.81	32.48	10.62	31.32	100	173	P	V
		5858	59.32	-50.64	109.96	47.52	32.51	10.62	31.33	100	173	P	V
		5876.6	56.16	-47.85	104.01	44.32	32.53	10.64	31.33	100	173	P	V
		5942.8	54.87	-13.33	68.2	42.92	32.63	10.69	31.37	100	173	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	112.26	-	-	100.51	32.46	10.6	31.31	100	213	P	H
	*	5825	101.19	-	-	89.44	32.46	10.6	31.31	100	213	A	H
		5855	62.45	-48.35	110.8	50.64	32.51	10.62	31.32	100	213	P	H
		5855	62.45	-48.35	110.8	50.64	32.51	10.62	31.32	100	213	P	H
		5877	59.14	-44.57	103.71	47.3	32.53	10.64	31.33	100	213	P	H
		5948	54.89	-13.31	68.2	42.94	32.63	10.69	31.37	100	213	P	H
802.11n													H
HT20													H
CH 165	*	5825	114.35	-	-	102.6	32.46	10.6	31.31	114	173	P	V
5825MHz	*	5825	103.44	-	-	91.69	32.46	10.6	31.31	114	173	A	V
		5850.6	66.39	-54.44	120.83	54.61	32.48	10.62	31.32	114	173	P	V
		5856.4	65.77	-44.64	110.41	53.96	32.51	10.62	31.32	114	173	P	V
		5875	64.04	-41.16	105.2	52.2	32.53	10.64	31.33	114	173	P	V
		5938.2	55.21	-12.99	68.2	43.3	32.6	10.68	31.37	114	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. 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	48.38	-25.62	74	48.08	40.11	16.49	56.3	100	0	P	H
		17235	50.48	-17.72	68.2	44.73	41.54	20.78	56.57	100	0	P	H
802.11n													H
HT20													H
CH 149		11490	48.73	-25.27	74	48.43	40.11	16.49	56.3	100	0	P	V
5745MHz		17235	49.9	-18.3	68.2	44.15	41.54	20.78	56.57	100	0	P	V
													V
													V
		11570	50.23	-23.77	74	50.05	39.93	16.55	56.3	100	244	P	H
		11570	37.07	-16.93	54	36.89	39.93	16.55	56.3	100	244	A	H
802.11n		17355	50.95	-17.25	68.2	44.92	41.96	20.88	56.81	100	0	P	H
HT20													H
CH 157		11570	50.13	-23.87	74	49.95	39.93	16.55	56.3	100	274	P	V
5785MHz		11570	37.19	-16.81	54	37.01	39.93	16.55	56.3	100	274	A	V
		17355	50.42	-17.78	68.2	44.39	41.96	20.88	56.81	100	0	P	V
													V
		11650	48.28	-25.72	74	48.19	39.77	16.62	56.3	100	0	P	H
		17475	49.73	-18.47	68.2	43.43	42.38	20.97	57.05	100	0	P	H
802.11n													H
HT20													H
CH 165		11650	48.89	-25.11	74	48.8	39.77	16.62	56.3	100	0	P	V
5825MHz		17475	49.75	-18.45	68.2	43.45	42.38	20.97	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+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)
		5614.2	54.33	-13.87	68.2	42.97	32.14	10.43	31.21	105	237	P	H
		5680.4	54.99	-35.74	90.73	43.52	32.24	10.48	31.25	105	237	P	H
		5719	60.25	-50.27	110.52	48.68	32.31	10.52	31.26	105	237	P	H
		5723	58.59	-59.05	117.64	47.02	32.31	10.52	31.26	105	237	P	H
	*	5755	108.25	-	-	96.62	32.36	10.54	31.27	105	237	P	H
	*	5755	97.92	-	-	86.29	32.36	10.54	31.27	105	237	A	H
		5852.6	54.45	-61.82	116.27	42.67	32.48	10.62	31.32	105	237	P	H
		5857	54.4	-55.84	110.24	42.59	32.51	10.62	31.32	105	237	P	H
		5905.2	55.27	-27.54	82.81	43.37	32.58	10.66	31.34	105	237	P	H
		5947.8	54.96	-13.24	68.2	43.01	32.63	10.69	31.37	105	237	P	H
802.11n													H
HT40													H
CH 151		5639.8	55.67	-12.53	68.2	44.25	32.19	10.45	31.22	101	184	P	V
5755MHz		5695.8	60.9	-41.2	102.1	49.38	32.27	10.5	31.25	101	184	P	V
		5717	63.17	-46.79	109.96	51.63	32.29	10.51	31.26	101	184	P	V
		5724.4	65.36	-55.47	120.83	53.79	32.31	10.52	31.26	101	184	P	V
	*	5755	110.08	-	-	98.45	32.36	10.54	31.27	101	184	P	V
	*	5755	99.84	-	-	88.21	32.36	10.54	31.27	101	184	A	V
		5852	55.6	-62.04	117.64	43.82	32.48	10.62	31.32	101	184	P	V
		5859	54.84	-54.84	109.68	43.04	32.51	10.62	31.33	101	184	P	V
		5889.2	55.76	-38.9	94.66	43.89	32.56	10.65	31.34	101	184	P	V
		5946.4	55.44	-12.76	68.2	43.49	32.63	10.69	31.37	101	184	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)
		5641.2	54.14	-14.06	68.2	42.72	32.19	10.45	31.22	121	153	P	H
		5698.6	54.45	-49.72	104.17	42.93	32.27	10.5	31.25	121	153	P	H
		5718	55.71	-54.53	110.24	44.15	32.31	10.51	31.26	121	153	P	H
		5722.2	57.86	-57.96	115.82	46.29	32.31	10.52	31.26	121	153	P	H
	*	5795	109.52	-	-	97.82	32.41	10.58	31.29	121	153	P	H
	*	5795	98.74	-	-	87.04	32.41	10.58	31.29	121	153	A	H
		5850.8	59.45	-60.93	120.38	47.67	32.48	10.62	31.32	121	153	P	H
		5858.4	58.21	-51.64	109.85	46.41	32.51	10.62	31.33	121	153	P	H
		5883	56.6	-42.66	99.26	44.76	32.53	10.64	31.33	121	153	P	H
		5945.4	54.65	-13.55	68.2	42.7	32.63	10.69	31.37	121	153	P	H
802.11n													H
HT40													H
CH 159		5642.4	54.49	-13.71	68.2	43.07	32.19	10.45	31.22	100	182	P	V
5795MHz		5681.4	55.26	-36.21	91.47	43.78	32.24	10.49	31.25	100	182	P	V
		5717	57.19	-52.77	109.96	45.65	32.29	10.51	31.26	100	182	P	V
		5724	58.31	-61.61	119.92	46.74	32.31	10.52	31.26	100	182	P	V
	*	5795	110.82	-	-	99.12	32.41	10.58	31.29	100	182	P	V
	*	5795	99.85	-	-	88.15	32.41	10.58	31.29	100	182	A	V
		5850.6	60.83	-60	120.83	49.05	32.48	10.62	31.32	100	182	P	V
		5860.4	58.63	-50.66	109.29	46.82	32.51	10.63	31.33	100	182	P	V
		5876	57.55	-46.91	104.46	45.71	32.53	10.64	31.33	100	182	P	V
		5925	55.39	-12.81	68.2	43.47	32.6	10.67	31.35	100	182	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	48.87	-25.13	74	48.57	40.1	16.5	56.3	100	0	P	H
		17265	50.36	-17.84	68.2	44.52	41.66	20.81	56.63	100	0	P	H
802.11n													H
HT40													H
CH 151		11510	48.31	-25.69	74	48.01	40.1	16.5	56.3	100	0	P	V
5755MHz		17265	49.99	-18.21	68.2	44.15	41.66	20.81	56.63	100	0	P	V
													V
													V
		11590	50.35	-23.65	74	50.19	39.89	16.57	56.3	100	273	P	H
		11590	37.11	-16.89	54	36.95	39.89	16.57	56.3	100	273	A	H
802.11n		17385	50.7	-17.5	68.2	44.59	42.08	20.9	56.87	100	0	P	H
HT40													H
CH 159		11590	48.08	-25.92	74	47.92	39.89	16.57	56.3	100	0	P	V
5795MHz		17385	50.74	-17.46	68.2	44.63	42.08	20.9	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)
		5643.2	54.23	-13.97	68.2	42.81	32.19	10.45	31.22	127	177	P	H
		5698.4	62.34	-41.68	104.02	50.82	32.27	10.5	31.25	127	177	P	H
		5718.8	64.97	-45.49	110.46	53.4	32.31	10.52	31.26	127	177	P	H
		5720.2	64.66	-46.6	111.26	53.09	32.31	10.52	31.26	127	177	P	H
	*	5775	106.3	-	-	94.63	32.39	10.56	31.28	127	177	P	H
	*	5775	96.15	-	-	84.48	32.39	10.56	31.28	127	177	A	H
		5851.4	64.8	-54.21	119.01	53.02	32.48	10.62	31.32	127	177	P	H
		5860.8	64.77	-44.4	109.17	52.96	32.51	10.63	31.33	127	177	P	H
		5880.8	58.94	-41.95	100.89	47.1	32.53	10.64	31.33	127	177	P	H
		5943.4	55.44	-12.76	68.2	43.49	32.63	10.69	31.37	127	177	P	H
802.11ac													H
VHT80													H
CH 155		5638.2	54.51	-13.69	68.2	43.09	32.19	10.45	31.22	100	194	P	V
5775MHz		5697.2	64.89	-38.25	103.14	53.37	32.27	10.5	31.25	100	194	P	V
		5709.8	67.67	-40.28	107.95	56.13	32.29	10.51	31.26	100	194	P	V
		5724.2	68.27	-52.11	120.38	56.7	32.31	10.52	31.26	100	194	P	V
	*	5775	109.11	-	-	97.44	32.39	10.56	31.28	100	194	P	V
	*	5775	98.48	-	-	86.81	32.39	10.56	31.28	100	194	A	V
		5851.4	68.38	-50.63	119.01	56.6	32.48	10.62	31.32	100	194	P	V
		5871.2	65.37	-40.89	106.26	53.54	32.53	10.63	31.33	100	194	P	V
		5875.2	61.41	-43.64	105.05	49.57	32.53	10.64	31.33	100	194	P	V
		5949.6	55.1	-13.1	68.2	43.15	32.63	10.69	31.37	100	194	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	48.55	-25.45	74	48.33	39.98	16.54	56.3	100	0	P	H
		17325	50.04	-18.16	68.2	44.1	41.84	20.85	56.75	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	48.72	-25.28	74	48.5	39.98	16.54	56.3	100	0	P	V
5775MHz		17325	50.4	-17.8	68.2	44.46	41.84	20.85	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.												

<TXBF Mode>

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT20 (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)
		5624.2	56.26	-11.94	68.2	44.86	32.17	10.44	31.21	100	235	P	H
		5699	62.6	-41.86	104.46	51.08	32.27	10.5	31.25	100	235	P	H
		5720	70.03	-40.77	110.8	58.46	32.31	10.52	31.26	100	235	P	H
		5724.8	79.12	-42.62	121.74	67.55	32.31	10.52	31.26	100	235	P	H
	*	5745	118.91	-	-	107.3	32.34	10.54	31.27	100	235	P	H
	*	5745	105.85	-	-	94.24	32.34	10.54	31.27	100	235	A	H
802.11ac													H
VHT20													H
CH 149		5649.4	56.09	-12.11	68.2	44.66	32.19	10.46	31.22	100	189	P	V
5745MHz		5699.4	65.45	-39.31	104.76	53.93	32.27	10.5	31.25	100	189	P	V
		5720	68.15	-42.65	110.8	56.58	32.31	10.52	31.26	100	189	P	V
		5725	80.63	-41.57	122.2	69.06	32.31	10.52	31.26	100	189	P	V
	*	5745	117.65	-	-	106.04	32.34	10.54	31.27	100	189	P	V
	*	5745	104.36	-	-	92.75	32.34	10.54	31.27	100	189	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)
		5620.8	53.89	-14.31	68.2	42.49	32.17	10.44	31.21	100	234	P	H
		5661.6	54.36	-22.45	76.81	42.9	32.22	10.47	31.23	100	234	P	H
		5717.8	55.36	-54.82	110.18	43.8	32.31	10.51	31.26	100	234	P	H
		5721.4	55.87	-58.12	113.99	44.3	32.31	10.52	31.26	100	234	P	H
	*	5785	118.35	-	-	106.68	32.39	10.57	31.29	100	234	P	H
	*	5785	105.44	-	-	93.77	32.39	10.57	31.29	100	234	A	H
		5852.8	56.82	-59	115.82	45.04	32.48	10.62	31.32	100	234	P	H
		5855.6	55.89	-54.74	110.63	44.08	32.51	10.62	31.32	100	234	P	H
		5881.6	55.57	-44.73	100.3	43.73	32.53	10.64	31.33	100	234	P	H
		5931	55.56	-12.64	68.2	43.63	32.6	10.68	31.35	100	234	P	H
802.11ac													H
VHT20													H
CH 157		5621.2	54.65	-13.55	68.2	43.25	32.17	10.44	31.21	100	173	P	V
5785MHz		5693.4	56.56	-43.77	100.33	45.05	32.27	10.49	31.25	100	173	P	V
		5717.8	59.9	-50.28	110.18	48.34	32.31	10.51	31.26	100	173	P	V
		5725	61.32	-60.88	122.2	49.75	32.31	10.52	31.26	100	173	P	V
	*	5785	118.19	-	-	106.52	32.39	10.57	31.29	100	173	P	V
	*	5785	104.81	-	-	93.14	32.39	10.57	31.29	100	173	A	V
		5851.4	61.02	-57.99	119.01	49.24	32.48	10.62	31.32	100	173	P	V
		5858	60.03	-49.93	109.96	48.23	32.51	10.62	31.33	100	173	P	V
		5876.6	56.16	-47.85	104.01	44.32	32.53	10.64	31.33	100	173	P	V
		5949.2	55.02	-13.18	68.2	43.07	32.63	10.69	31.37	100	173	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	119.04	-	-	107.29	32.46	10.6	31.31	107	234	P	H
	*	5825	106.27	-	-	94.52	32.46	10.6	31.31	107	234	A	H
		5850.4	73.86	-47.43	121.29	62.08	32.48	10.62	31.32	107	234	P	H
		5858.2	63.96	-45.94	109.9	52.16	32.51	10.62	31.33	107	234	P	H
		5876.6	61.06	-42.95	104.01	49.22	32.53	10.64	31.33	107	234	P	H
		5927.6	56.3	-11.9	68.2	44.37	32.6	10.68	31.35	107	234	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	117.05	-	-	105.3	32.46	10.6	31.31	100	169	P	V
5825MHz	*	5825	104.34	-	-	92.59	32.46	10.6	31.31	100	169	A	V
		5850	68.29	-53.91	122.2	56.51	32.48	10.62	31.32	100	169	P	V
		5857.8	66.41	-43.6	110.01	54.61	32.51	10.62	31.33	100	169	P	V
		5878.4	64.49	-38.18	102.67	52.65	32.53	10.64	31.33	100	169	P	V
		5934.8	56.15	-12.05	68.2	44.24	32.6	10.68	31.37	100	169	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	48.27	-25.73	74	47.97	40.11	16.49	56.3	100	0	P	H
		17235	49.45	-18.75	68.2	43.7	41.54	20.78	56.57	100	0	P	H
802.11ac													H
VHT20													H
CH 149		11490	50.99	-23.01	74	50.69	40.11	16.49	56.3	105	178	P	V
5745MHz		11490	36.41	-17.59	54	36.11	40.11	16.49	56.3	105	178	A	V
		17235	52.1	-16.1	68.2	46.35	41.54	20.78	56.57	100	0	P	V
													V
		11570	48.21	-25.79	74	48.03	39.93	16.55	56.3	100	0	P	H
		17355	50.11	-18.09	68.2	44.08	41.96	20.88	56.81	100	0	P	H
802.11ac													H
VHT20													H
CH 157		11570	51.54	-22.46	74	51.36	39.93	16.55	56.3	100	181	P	V
5785MHz		11570	37.7	-16.3	54	37.52	39.93	16.55	56.3	100	181	A	V
		17355	51.72	-16.48	68.2	45.69	41.96	20.88	56.81	100	0	P	V
													V
		11650	48.22	-25.78	74	48.13	39.77	16.62	56.3	100	0	P	H
		17475	50.02	-18.18	68.2	43.72	42.38	20.97	57.05	100	0	P	H
802.11ac													H
VHT20													H
CH 165		11650	50.41	-23.59	74	50.32	39.77	16.62	56.3	100	214	P	V
5825MHz		11650	36.16	-17.84	54	36.07	39.77	16.62	56.3	100	214	A	V
		17475	50.82	-17.38	68.2	44.52	42.38	20.97	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 802.11ac 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)
		5648	56.38	-11.82	68.2	44.95	32.19	10.46	31.22	108	225	P	H
		5695.8	63.3	-38.8	102.1	51.78	32.27	10.5	31.25	108	225	P	H
		5718.4	78.87	-31.48	110.35	67.31	32.31	10.51	31.26	108	225	P	H
		5724	80.9	-39.02	119.92	69.33	32.31	10.52	31.26	108	225	P	H
	*	5755	114.45	-	-	102.82	32.36	10.54	31.27	108	225	P	H
	*	5755	102.7	-	-	91.07	32.36	10.54	31.27	108	225	A	H
		5851.4	57.44	-61.57	119.01	45.66	32.48	10.62	31.32	108	225	P	H
		5868.2	55.78	-51.32	107.1	43.97	32.51	10.63	31.33	108	225	P	H
		5885.4	55.78	-41.7	97.48	43.95	32.53	10.64	31.34	108	225	P	H
		5942.4	54.37	-13.83	68.2	42.42	32.63	10.69	31.37	108	225	P	H
802.11ac													H
VHT40													H
CH 151		5650.4	61.14	-7.36	68.5	49.68	32.22	10.46	31.22	118	190	P	V
5755MHz		5692.6	70.49	-29.25	99.74	58.98	32.27	10.49	31.25	118	190	P	V
		5719.4	87.11	-23.52	110.63	75.54	32.31	10.52	31.26	118	190	P	V
		5723.8	87.66	-31.8	119.46	76.09	32.31	10.52	31.26	118	190	P	V
	*	5755	117.53	-	-	105.9	32.36	10.54	31.27	118	190	P	V
	*	5755	101.29	-	-	89.66	32.36	10.54	31.27	118	190	A	V
		5850.2	62.24	-59.5	121.74	50.46	32.48	10.62	31.32	118	190	P	V
		5857	60.67	-49.57	110.24	48.86	32.51	10.62	31.32	118	190	P	V
		5878	56.76	-46.21	102.97	44.92	32.53	10.64	31.33	118	190	P	V
		5933	55.49	-12.71	68.2	43.56	32.6	10.68	31.35	118	190	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)
		5617	53.77	-14.43	68.2	42.38	32.17	10.43	31.21	100	229	P	H
		5692.4	55.16	-44.44	99.6	43.65	32.27	10.49	31.25	100	229	P	H
		5718.8	59	-51.46	110.46	47.43	32.31	10.52	31.26	100	229	P	H
		5724.6	61.83	-59.46	121.29	50.26	32.31	10.52	31.26	100	229	P	H
	*	5795	115.24	-	-	103.54	32.41	10.58	31.29	100	229	P	H
	*	5795	101.53	-	-	89.83	32.41	10.58	31.29	100	229	A	H
		5850.2	65.92	-55.82	121.74	54.14	32.48	10.62	31.32	100	229	P	H
		5856.2	62.89	-47.57	110.46	51.08	32.51	10.62	31.32	100	229	P	H
		5878.8	59.28	-43.1	102.38	47.44	32.53	10.64	31.33	100	229	P	H
		5926.2	54.63	-13.57	68.2	42.71	32.6	10.67	31.35	100	229	P	H
802.11ac													H
VHT40													H
CH 159		5646	55.28	-12.92	68.2	43.85	32.19	10.46	31.22	117	170	P	V
5795MHz		5698	60.25	-43.48	103.73	48.73	32.27	10.5	31.25	117	170	P	V
		5718.8	64.82	-45.64	110.46	53.25	32.31	10.52	31.26	117	170	P	V
		5723.2	65.93	-52.17	118.1	54.36	32.31	10.52	31.26	117	170	P	V
	*	5795	116.06	-	-	104.36	32.41	10.58	31.29	117	170	P	V
	*	5795	101.55	-	-	89.85	32.41	10.58	31.29	117	170	A	V
		5851	66.61	-53.31	119.92	54.83	32.48	10.62	31.32	117	170	P	V
		5855.2	66.85	-43.89	110.74	55.04	32.51	10.62	31.32	117	170	P	V
		5876.2	63.98	-40.33	104.31	52.14	32.53	10.64	31.33	117	170	P	V
		5932	56.89	-11.31	68.2	44.96	32.6	10.68	31.35	117	170	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	51.38	-22.62	74	51.08	40.1	16.5	56.3	116	278	P	H
		11510	36.93	-17.07	54	36.63	40.1	16.5	56.3	116	278	A	H
802.11ac		17265	49.97	-18.23	68.2	44.13	41.66	20.81	56.63	100	0	P	H
VHT40													H
CH 151		11510	48.52	-25.48	74	48.22	40.1	16.5	56.3	100	0	P	V
5755MHz		17265	49.63	-18.57	68.2	43.79	41.66	20.81	56.63	100	0	P	V
													V
													V
		11590	48.41	-25.59	74	48.25	39.89	16.57	56.3	100	0	P	H
		17385	50.22	-17.98	68.2	44.11	42.08	20.9	56.87	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	48.99	-25.01	74	48.83	39.89	16.57	56.3	100	0	P	V
5795MHz		17385	51.29	-16.91	68.2	45.18	42.08	20.9	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)
		5617.2	58.09	-10.11	68.2	46.7	32.17	10.43	31.21	101	235	P	H
		5698	72.61	-31.12	103.73	61.09	32.27	10.5	31.25	101	235	P	H
		5719.4	77.26	-33.37	110.63	65.69	32.31	10.52	31.26	101	235	P	H
		5723.4	77.93	-40.62	118.55	66.36	32.31	10.52	31.26	101	235	P	H
	*	5775	110.78	-	-	99.11	32.39	10.56	31.28	101	235	P	H
	*	5775	96.35	-	-	84.68	32.39	10.56	31.28	101	235	A	H
		5850	75.79	-46.41	122.2	64.01	32.48	10.62	31.32	101	235	P	H
		5855.6	76.43	-34.2	110.63	64.62	32.51	10.62	31.32	101	235	P	H
		5875	69.27	-35.93	105.2	57.43	32.53	10.64	31.33	101	235	P	H
		5925.8	55	-13.2	68.2	43.08	32.6	10.67	31.35	101	235	P	H
802.11ac													H
VHT80													H
CH 155		5631	59.36	-8.84	68.2	47.97	32.17	10.44	31.22	105	175	P	V
5775MHz		5700	77.63	-27.57	105.2	66.11	32.27	10.5	31.25	105	175	P	V
		5717.8	81.15	-29.03	110.18	69.59	32.31	10.51	31.26	105	175	P	V
		5721.4	81.86	-32.13	113.99	70.29	32.31	10.52	31.26	105	175	P	V
	*	5775	113.69	-	-	102.02	32.39	10.56	31.28	105	175	P	V
	*	5775	97.2	-	-	85.53	32.39	10.56	31.28	105	175	A	V
		5850.8	78.5	-41.88	120.38	66.72	32.48	10.62	31.32	105	175	P	V
		5865.6	78.61	-29.22	107.83	66.8	32.51	10.63	31.33	105	175	P	V
		5876	70.13	-34.33	104.46	58.29	32.53	10.64	31.33	105	175	P	V
		5929.4	57.71	-10.49	68.2	45.78	32.6	10.68	31.35	105	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 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	48.96	-25.04	74	48.74	39.98	16.54	56.3	100	0	P	H
		17325	50.69	-17.51	68.2	44.75	41.84	20.85	56.75	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	48.72	-25.28	74	48.5	39.98	16.54	56.3	100	0	P	V
5775MHz		17325	50.23	-17.97	68.2	44.29	41.84	20.85	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 VHT40 (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)
		39.99	30.39	-9.61	40	40.59	19.28	0.85	30.33	-	-	P	H
		192.27	34.06	-9.44	43.5	47.58	14.76	2.05	30.33	-	-	P	H
		237.09	34.57	-11.43	46	45.71	16.86	2.25	30.25	-	-	P	H
		300	31.64	-14.36	46	40.23	19.09	2.46	30.14	-	-	P	H
		719.3	32.46	-13.54	46	31.26	26.94	3.74	29.48	-	-	P	H
		956.6	37.13	-8.87	46	30.86	30.81	4.44	28.98	100	0	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT40		39.45	32.1	-7.9	40	42.31	19.28	0.84	30.33	100	0	P	V
LF		191.73	28.7	-14.8	43.5	42.22	14.76	2.05	30.33	-	-	P	V
		237.09	28.76	-17.24	46	39.9	16.86	2.25	30.25	-	-	P	V
		478.5	34.23	-11.77	46	37.6	23.41	3.04	29.82	-	-	P	V
		925.8	36.04	-9.96	46	31.18	29.58	4.35	29.07	-	-	P	V
		962.9	35.79	-18.21	54	29.38	30.92	4.45	28.96	-	-	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.	
0		(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 :	Jack Cheng, Lance Chiang, and Peter Liao	**Temperature :**	22~25°C
		Relative Humidity :	53~67%

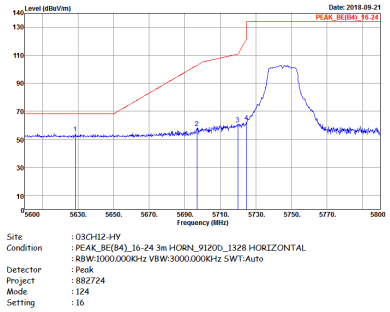
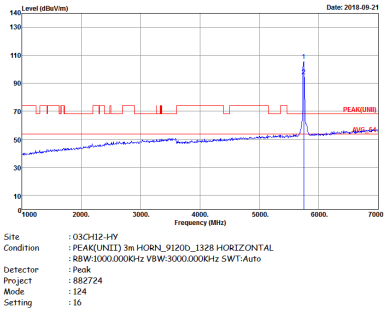
Note symbol

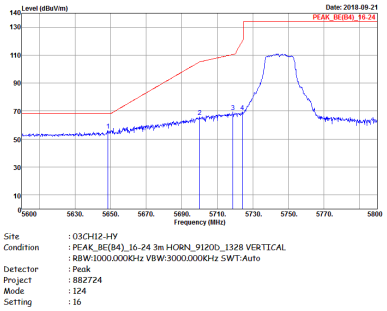
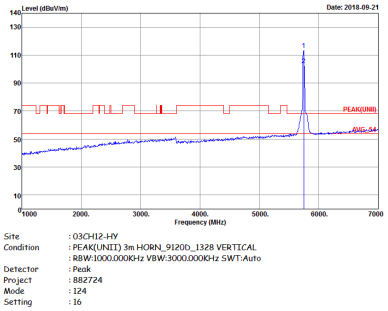
-L	**Low channel location**
-R	**High channel location**

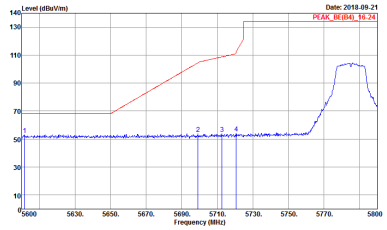
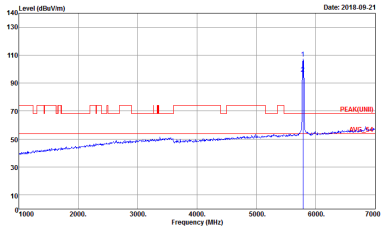
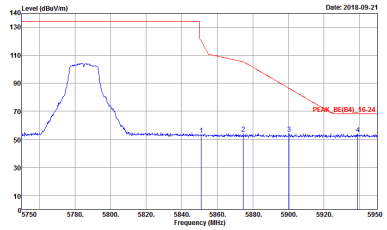
<CDD Mode>

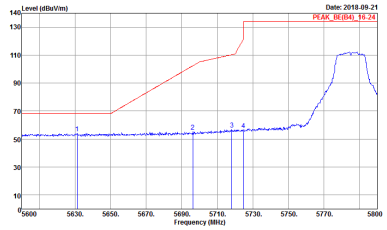
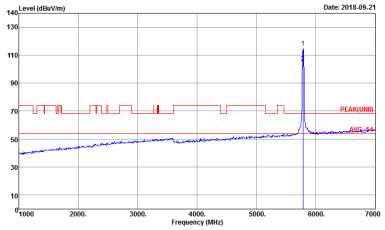
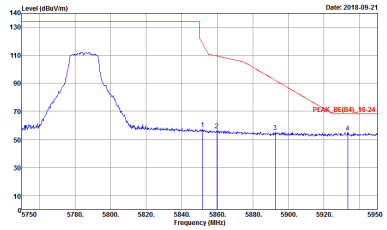
Band 4 - 5725~5850MHz

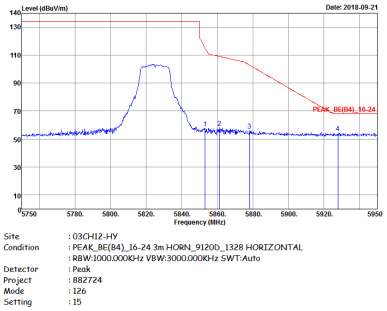
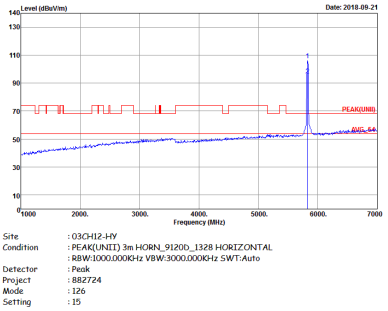
WIFI 802.11a (Band Edge @ 3m)

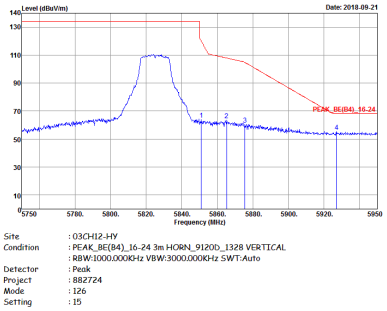
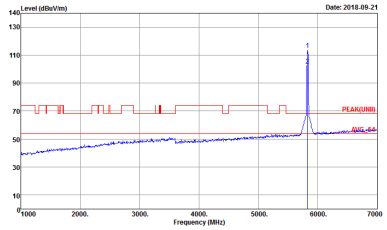
WIFI	**Band 4 5725~5850MHz Band Edge @ 3m**	
ANT	**802.11a CH149 5745MHz**	
1	**Horizontal**	**Fundamental**
Peak		

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

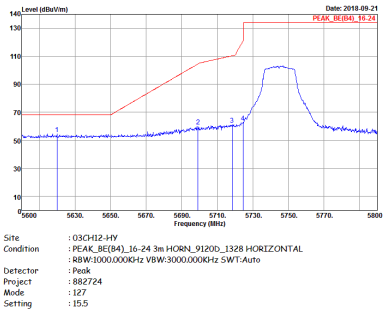
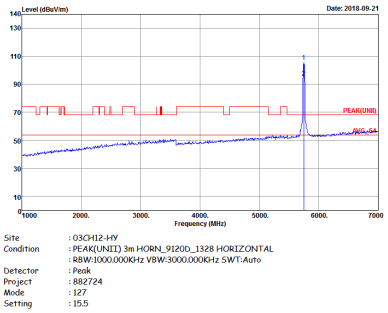
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 125 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 125 Setting : 16.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 125 Setting : 16.5	Left blank

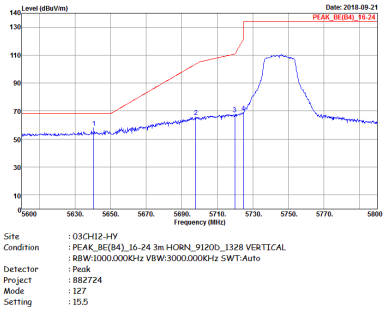
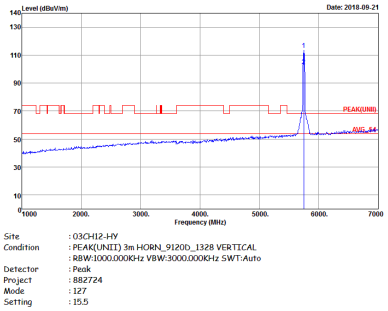
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 125 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 125 Setting : 16.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 125 Setting : 16.5	Left blank

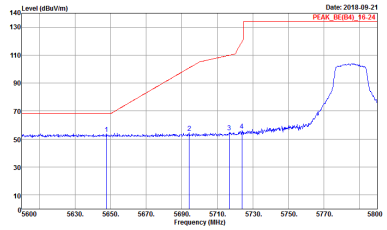
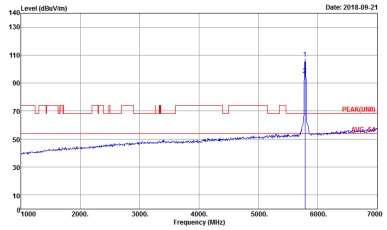
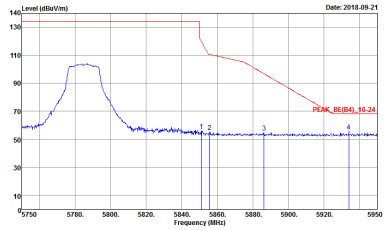
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 126 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 126 Setting : 15

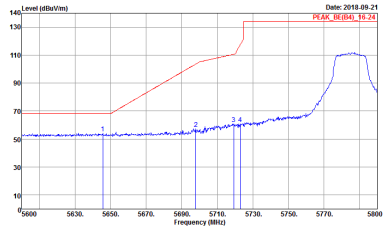
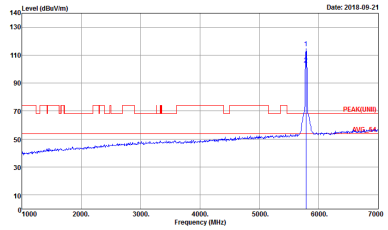
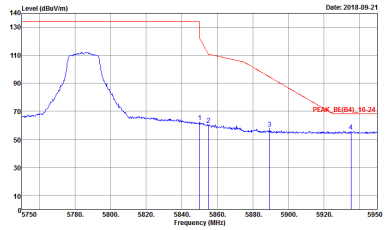
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 126 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 126 Setting : 15

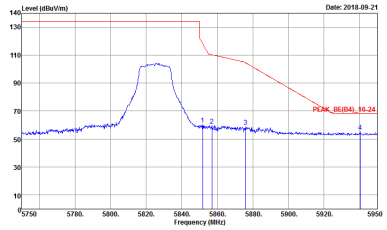
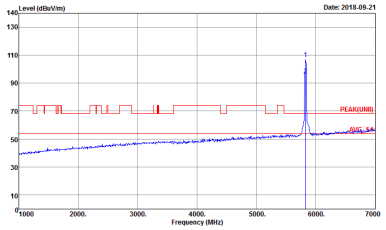
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

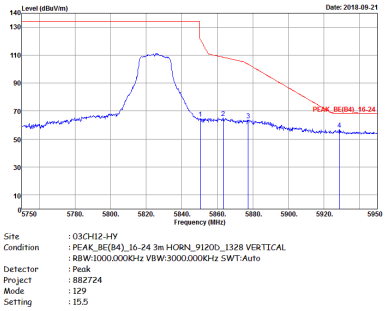
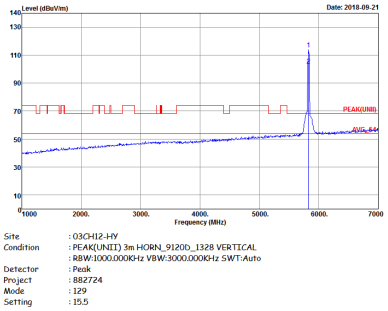
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Fundamental
Peak		

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

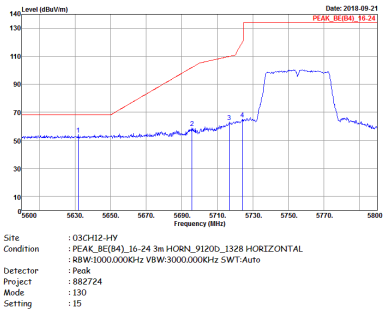
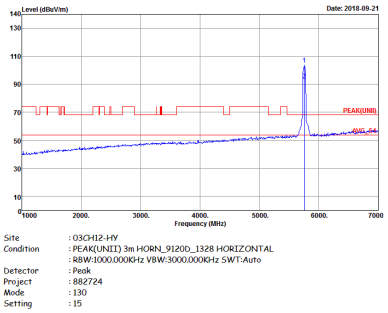
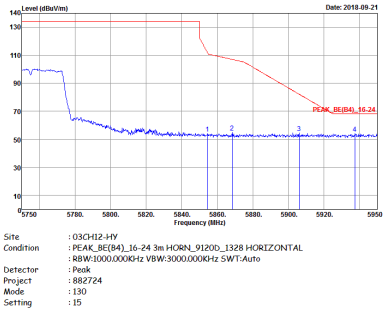
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 128 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 128 Setting : 16.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 128 Setting : 16.5	Left blank

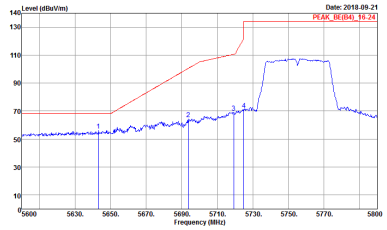
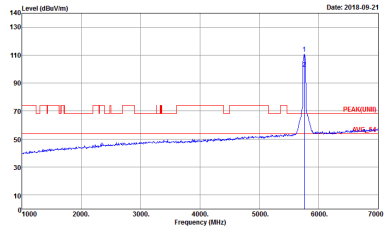
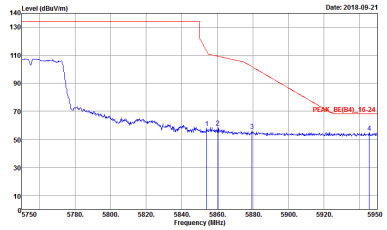
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 128 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 128 Setting : 16.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 128 Setting : 16.5	Left blank

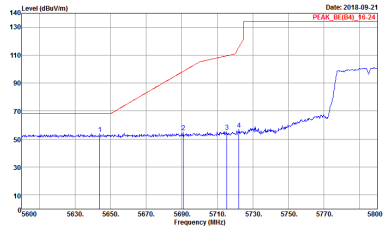
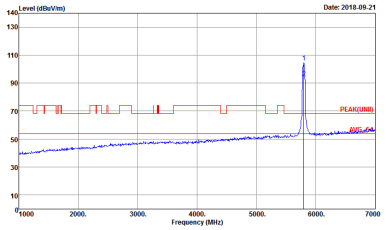
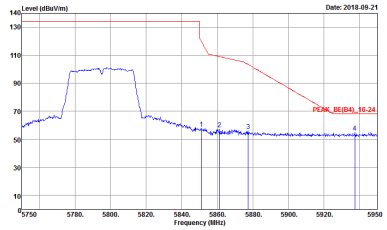
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 129 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 129 Setting : 15.5

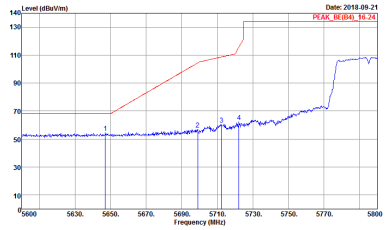
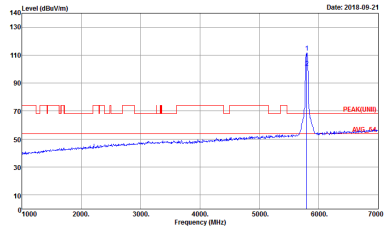
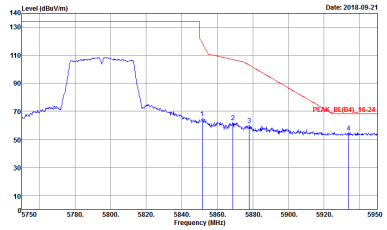
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

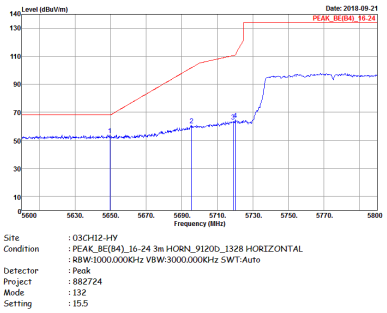
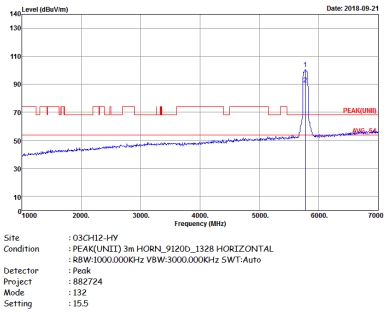
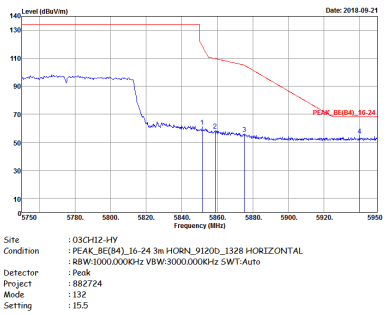
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Horizontal	Fundamental
Peak		
Peak		Left blank

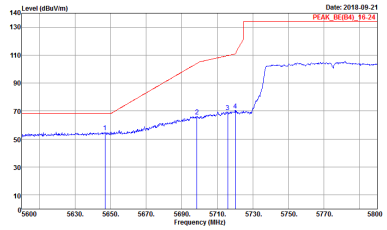
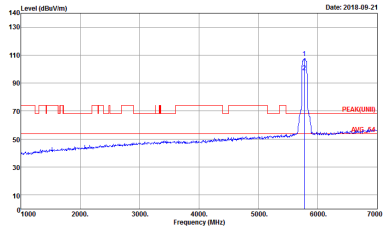
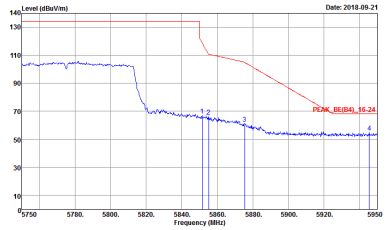
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 130 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 130 Setting : 15
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 130 Setting : 15	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 131 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 131 Setting : 15.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 131 Setting : 15.5	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 131 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 131 Setting : 15.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 131 Setting : 15.5	Left blank

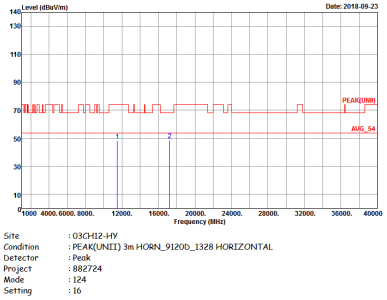
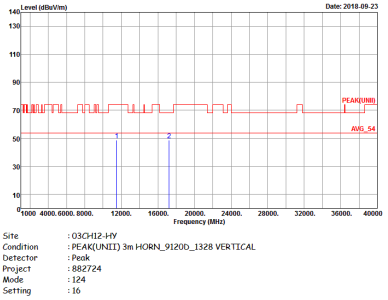
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

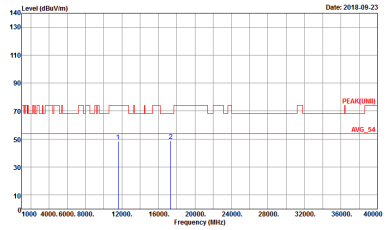
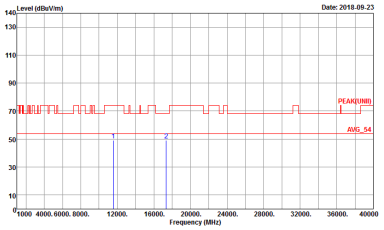
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 132 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 132 Setting : 15.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 132 Setting : 15.5	Left blank

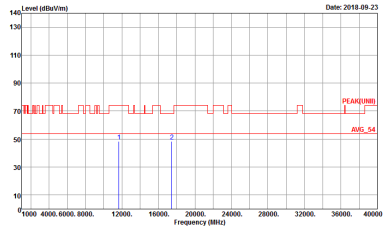
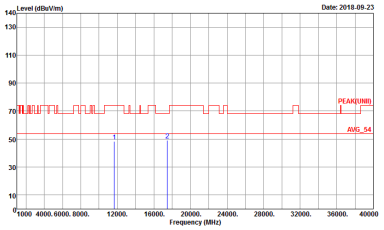
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 132 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 132 Setting : 15.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 132 Setting : 15.5	Left blank

Band 4 - 5725~5850MHz

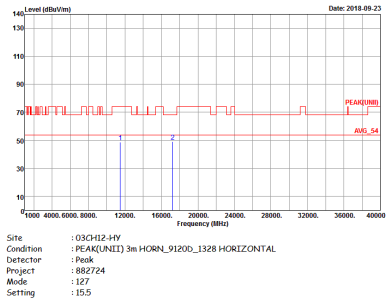
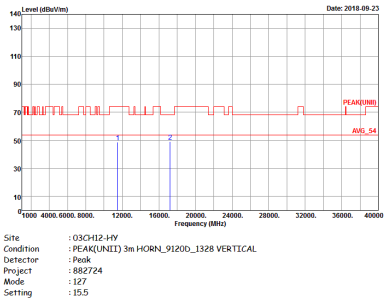
WIFI 802.11a (Harmonic @ 3m)

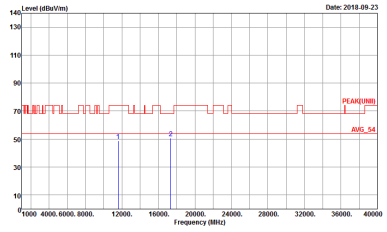
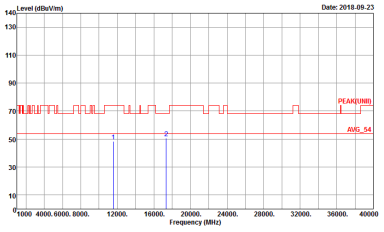
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

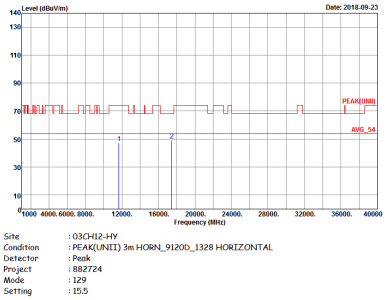
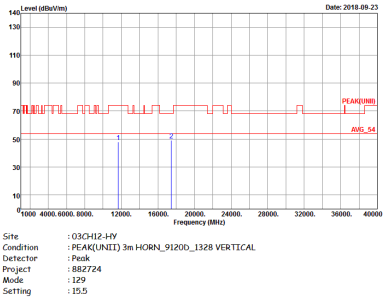
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 125 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 125 Setting : 16.5

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 126 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 126 Setting : 15

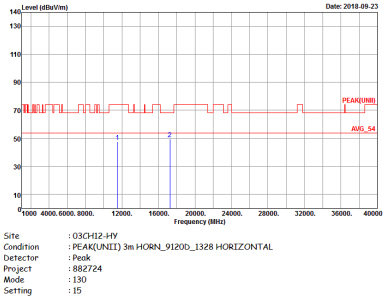
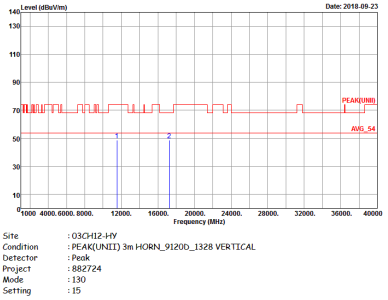
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

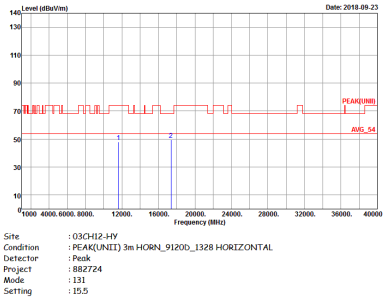
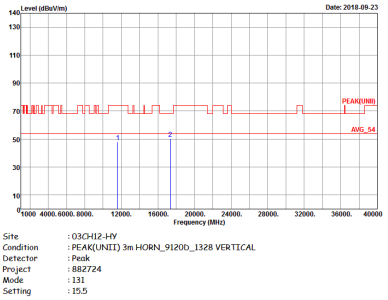
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 128 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 128 Setting : 16.5

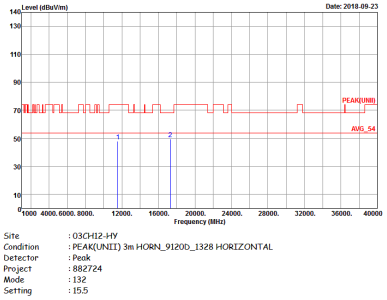
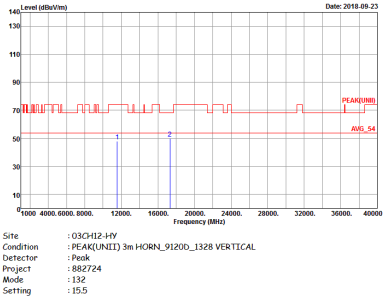
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 129 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 129 Setting : 15.5

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.		

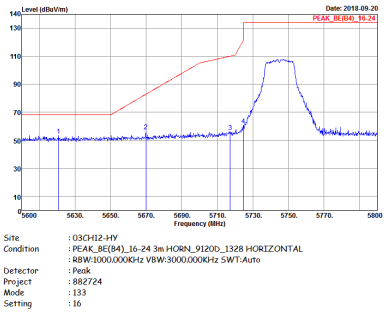
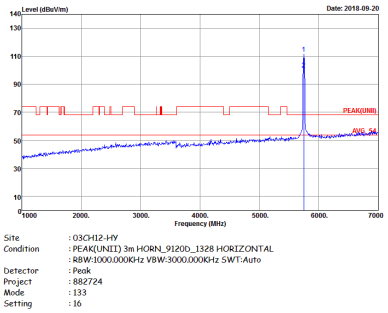
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 131 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 131 Setting : 15.5

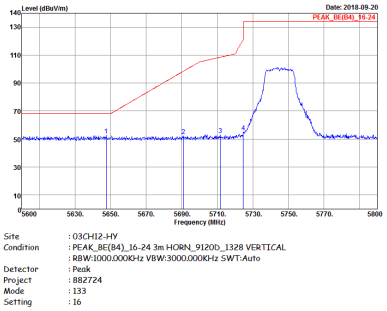
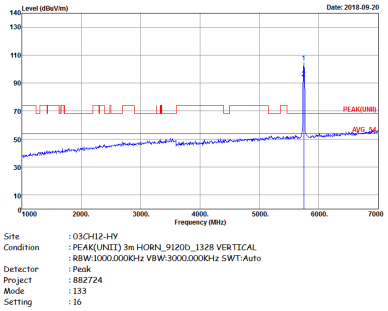
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

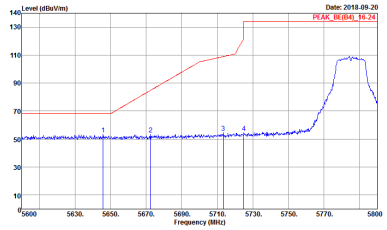
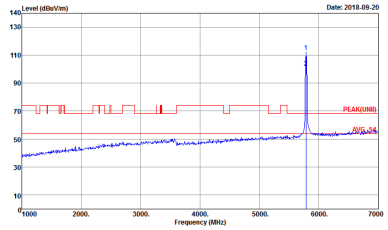
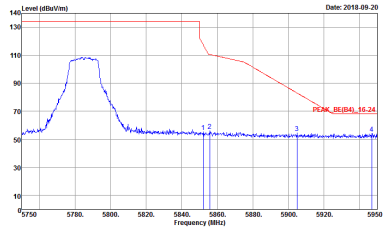
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Vertical
Peak Avg.		

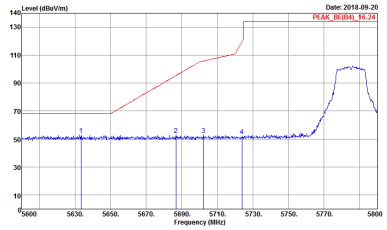
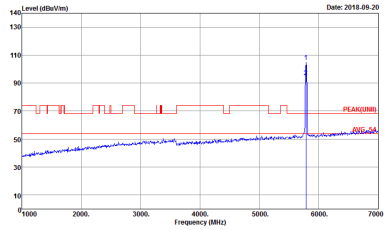
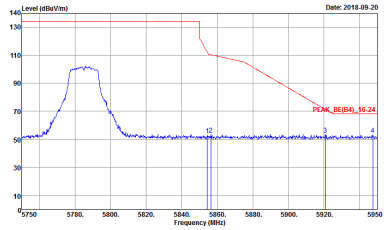
Band 4 - 5725~5850MHz

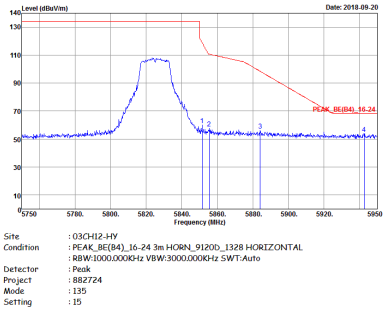
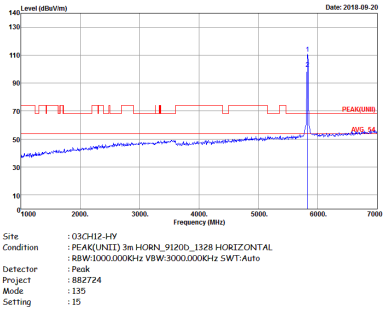
WIFI 802.11a (Band Edge @ 3m)

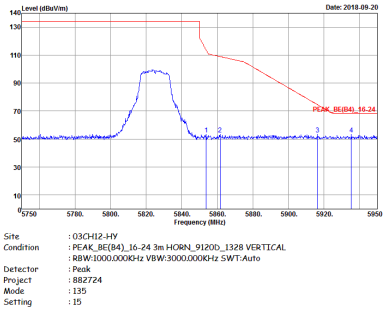
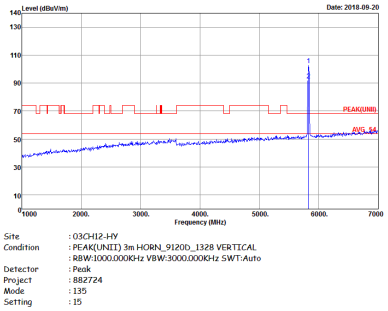
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Fundamental
Peak		

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

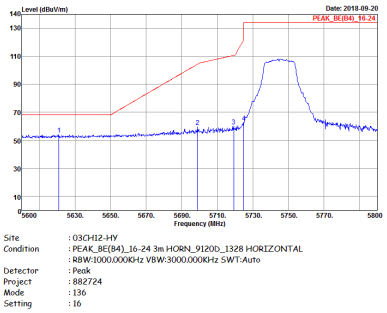
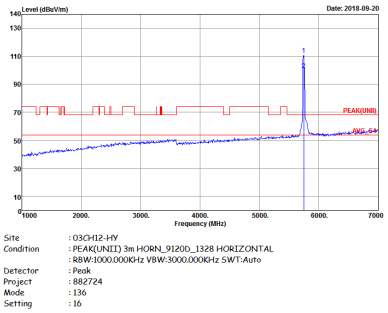
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 134 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 134 Setting : 16.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 134 Setting : 16.5	Left blank

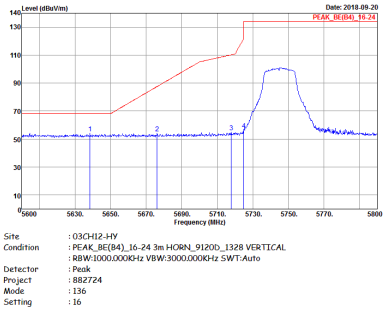
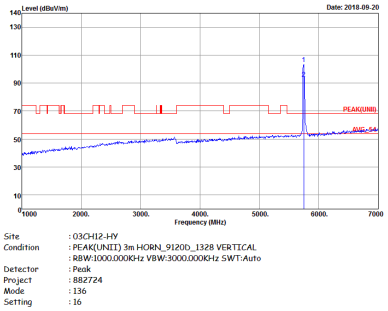
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 134 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 134 Setting : 16.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 134 Setting : 16.5	Left blank

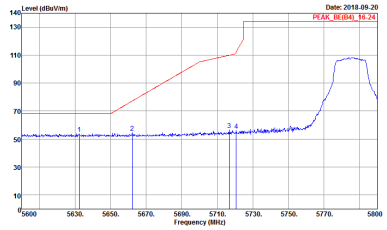
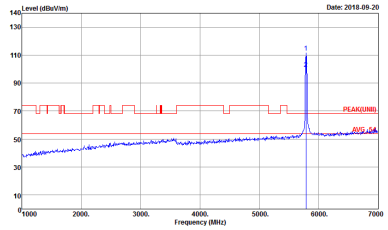
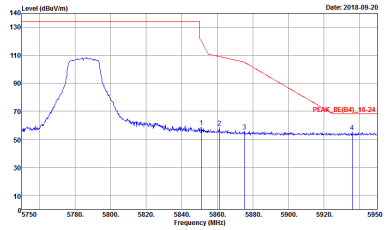
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 135 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 135 Setting : 15

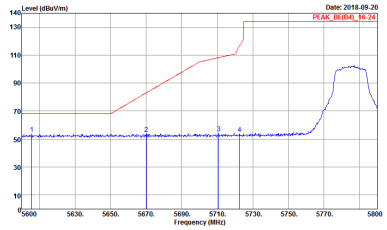
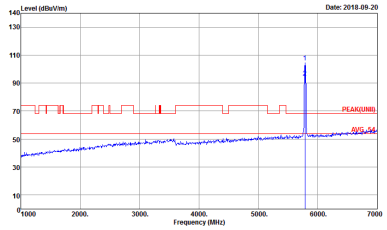
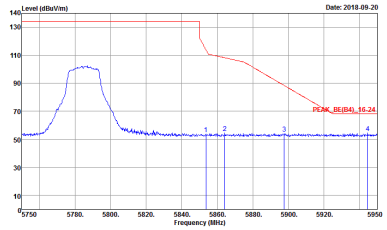
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Vertical	Fundamental
Peak		

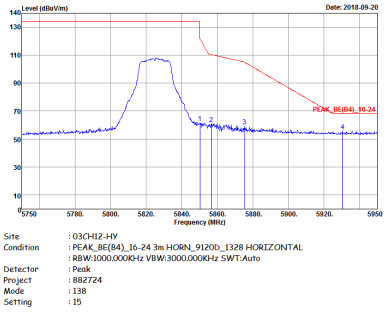
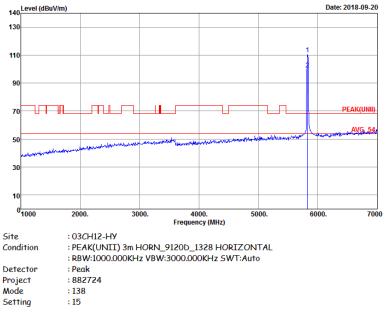
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

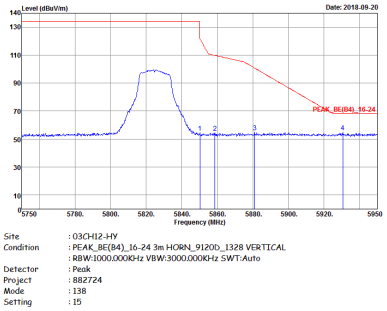
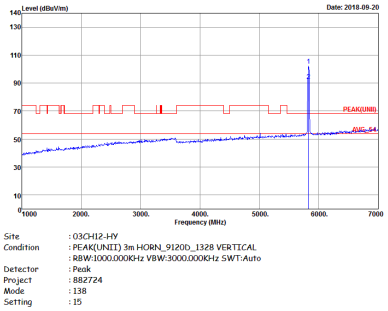
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Fundamental
Peak		

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

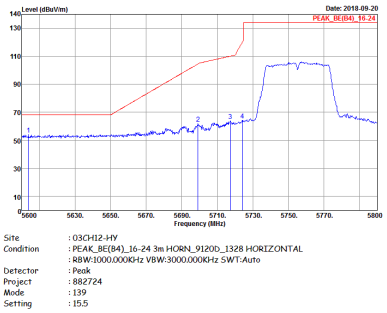
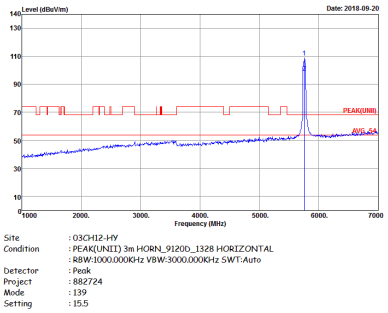
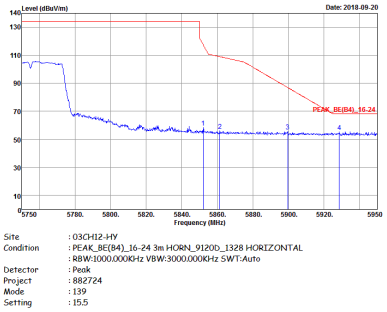
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 137 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 137 Setting : 16.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 137 Setting : 16.5	Left blank

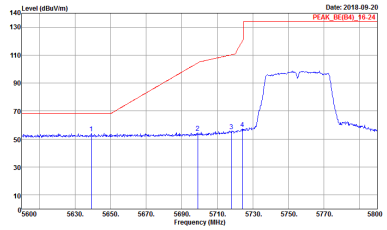
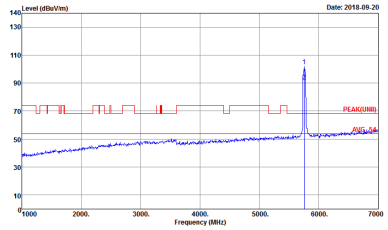
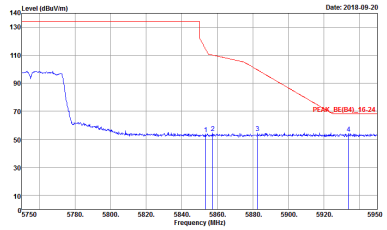
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 137 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 137 Setting : 16.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 137 Setting : 16.5	Left blank

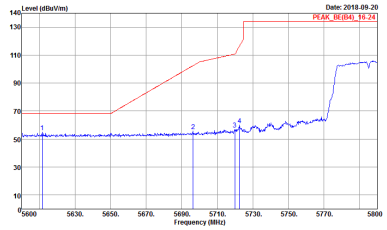
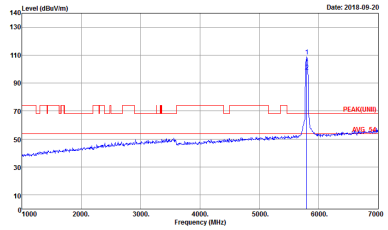
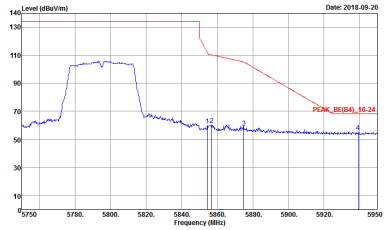
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 138 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 138 Setting : 15

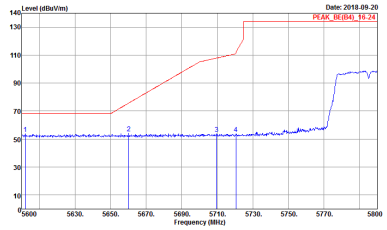
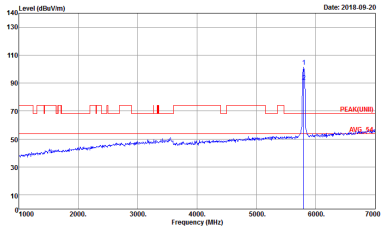
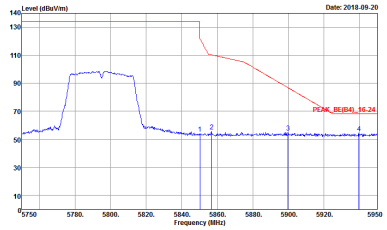
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

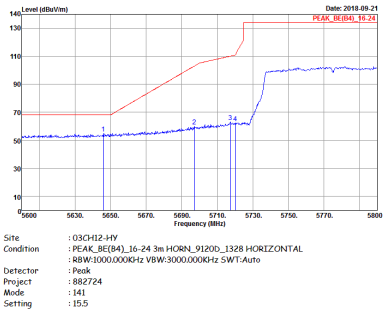
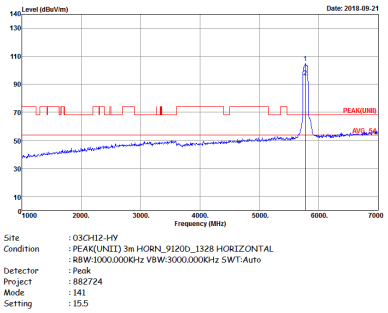
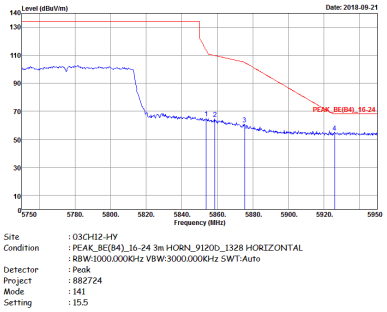
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Horizontal	Fundamental
Peak		
Peak		Left blank

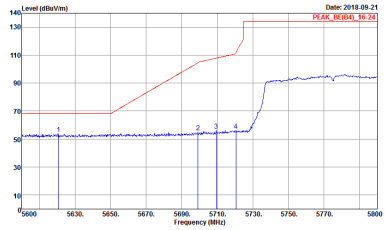
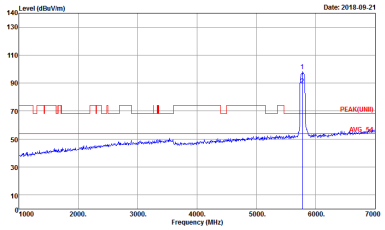
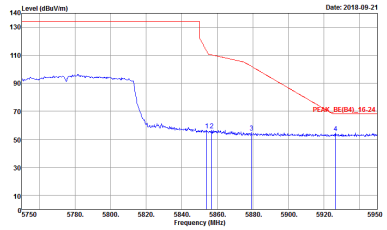
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 139 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 139 Setting : 15.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 139 Setting : 15.5	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 140 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 140 Setting : 15.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 140 Setting : 15.5	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 140 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 140 Setting : 15.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 140 Setting : 15.5	Left blank

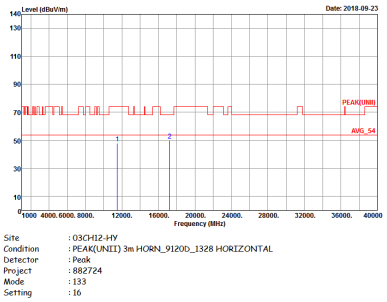
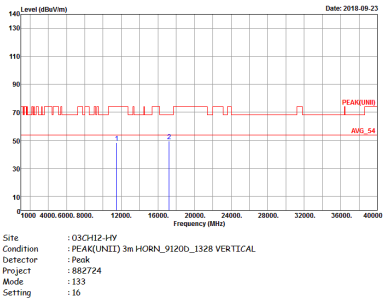
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

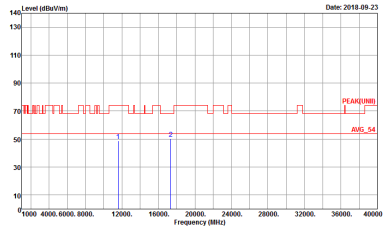
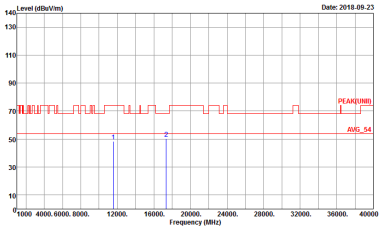
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 141 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 141 Setting : 15.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 141 Setting : 15.5	Left blank

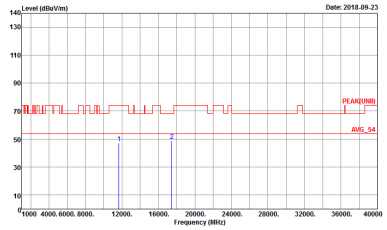
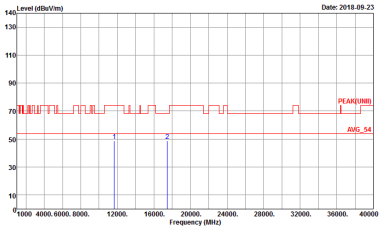
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 141 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 141 Setting : 15.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 141 Setting : 15.5	Left blank

Band 4 - 5725~5850MHz

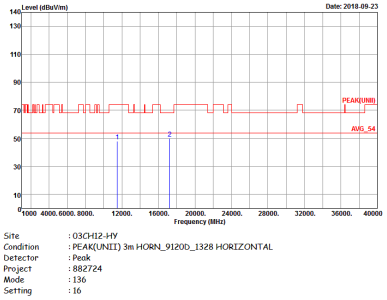
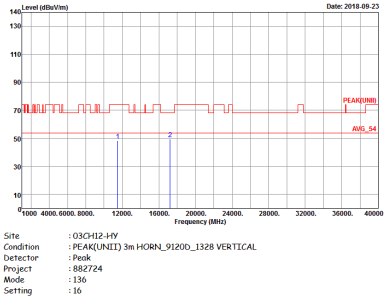
WIFI 802.11a (Harmonic @ 3m)

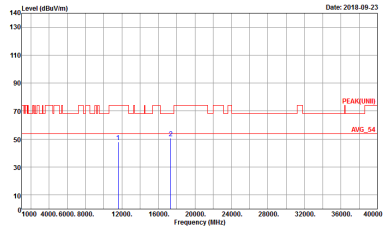
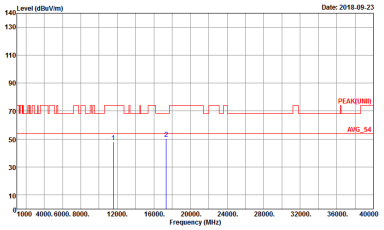
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.		

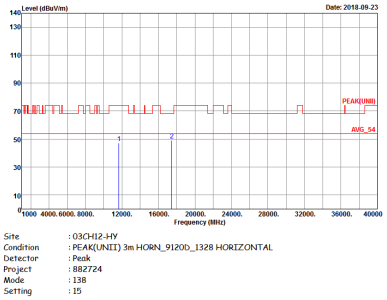
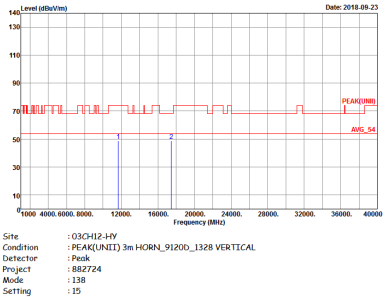
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 134 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 134 Setting : 16.5

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 135 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 135 Setting : 15

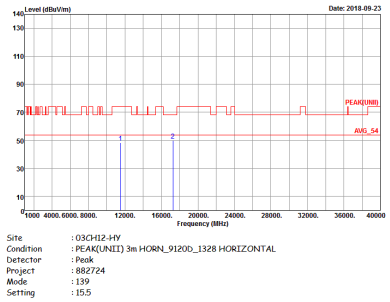
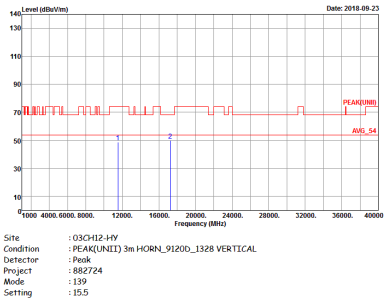
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

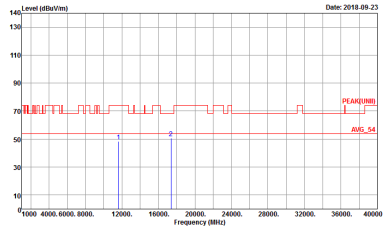
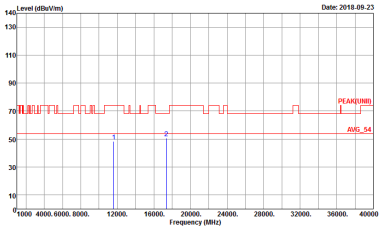
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 137 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 137 Setting : 16.5

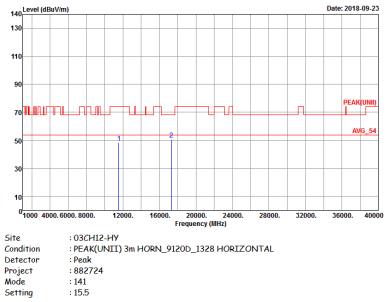
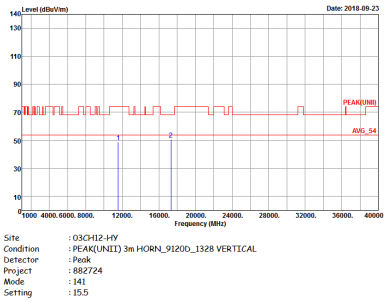
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 138 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 138 Setting : 15

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.		

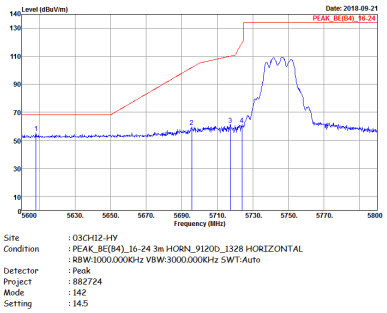
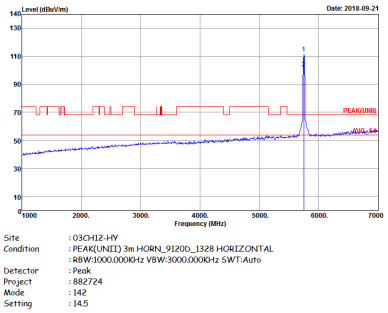
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 140 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 140 Setting : 15.5

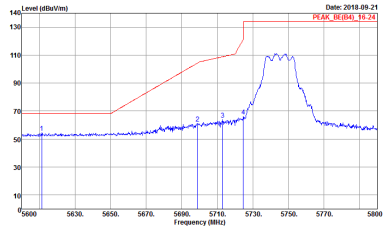
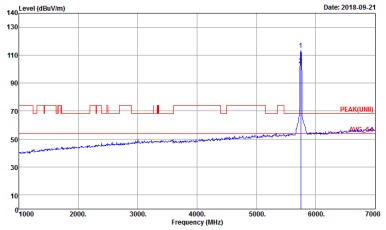
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

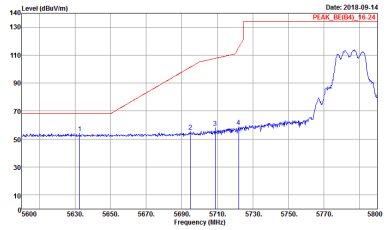
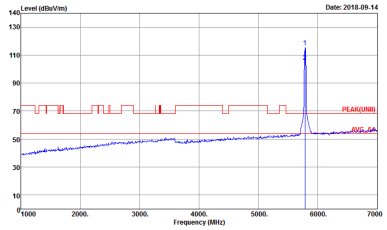
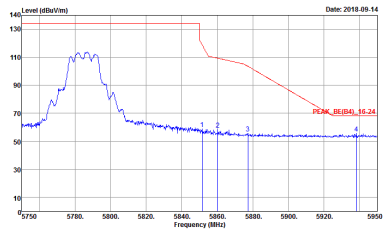
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Horizontal	Vertical
Peak Avg.		

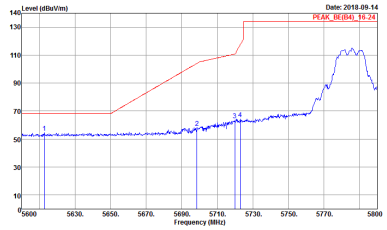
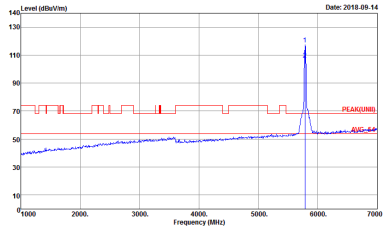
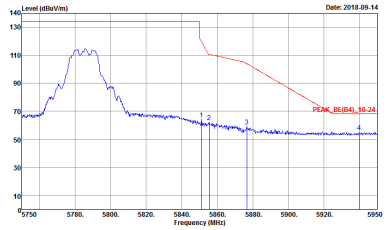
Band 4 - 5725~5850MHz

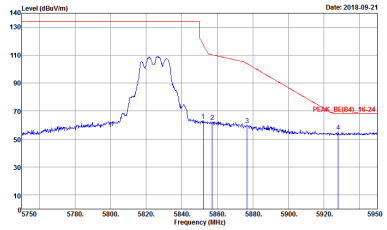
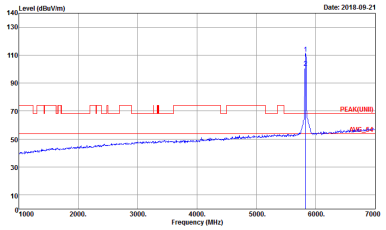
WIFI 802.11a (Band Edge @ 3m)

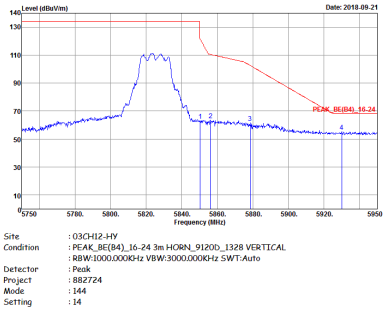
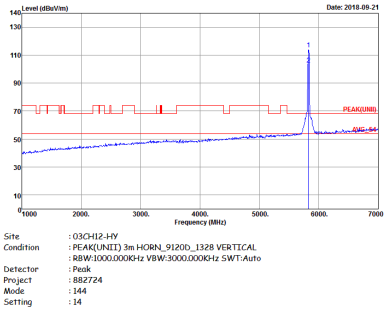
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 142 Setting : 14.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 142 Setting : 14.5

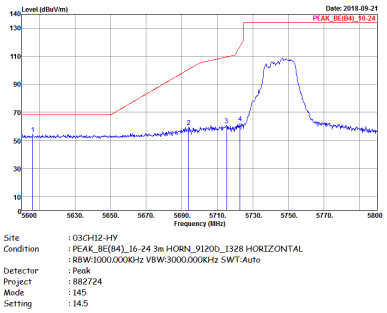
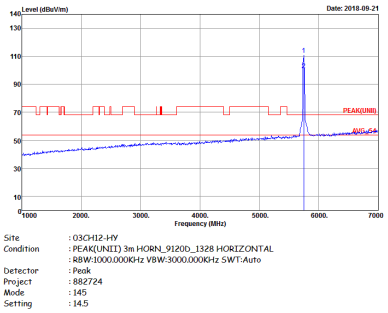
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 143 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 143 Setting : 18
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 143 Setting : 18	Left blank

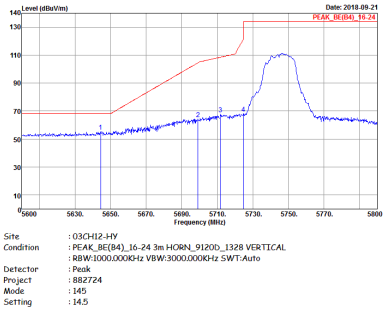
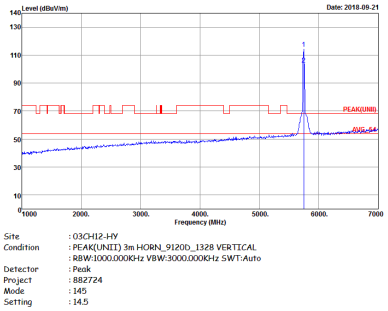
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 143 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 143 Setting : 18
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 143 Setting : 18	Left blank

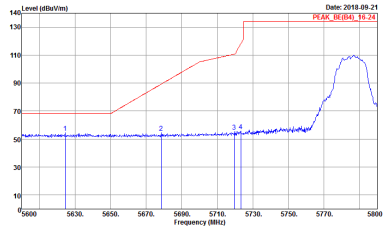
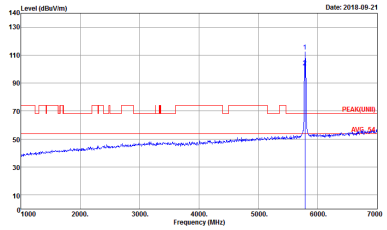
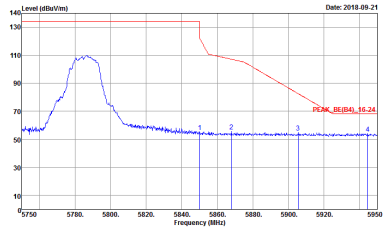
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 144 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 144 Setting : 14

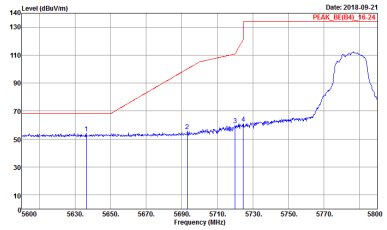
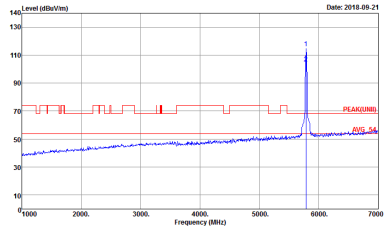
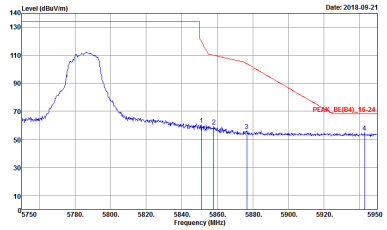
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

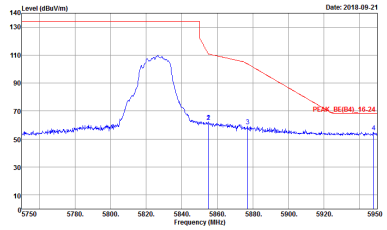
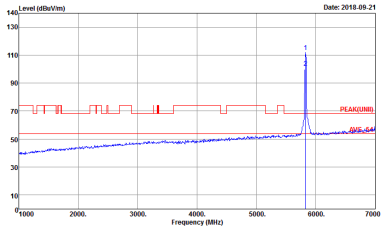
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

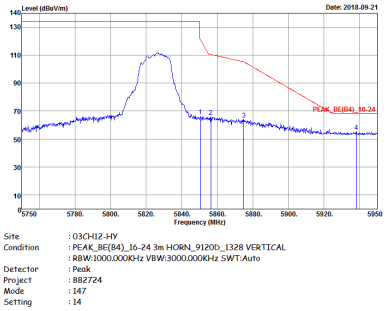
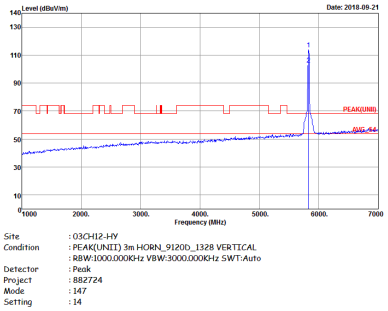
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

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

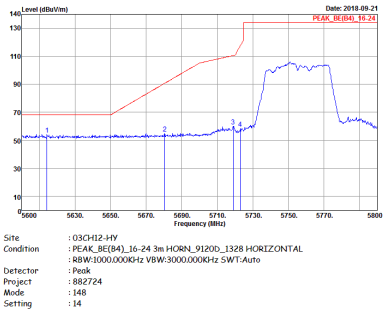
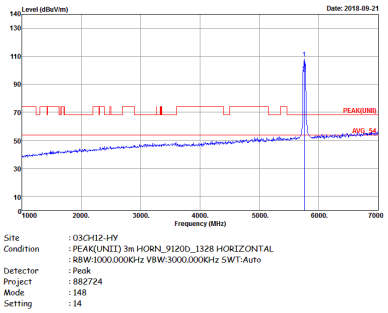
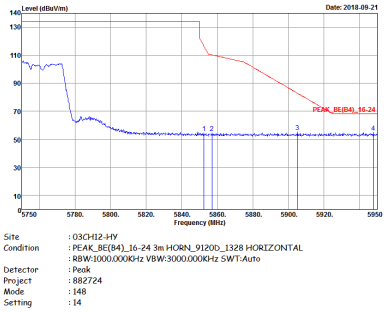
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 146 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 146 Setting : 15
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 146 Setting : 15	Left blank

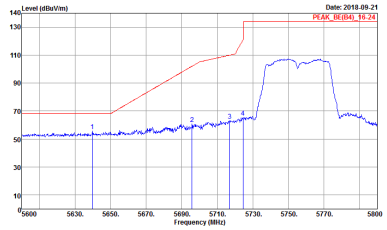
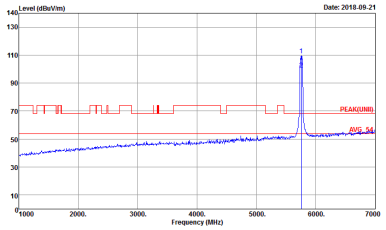
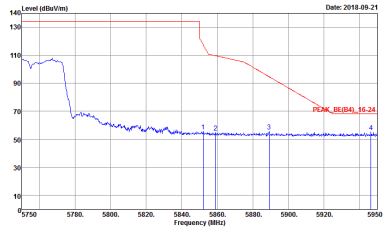
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 146 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 146 Setting : 15
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 146 Setting : 15	Left blank

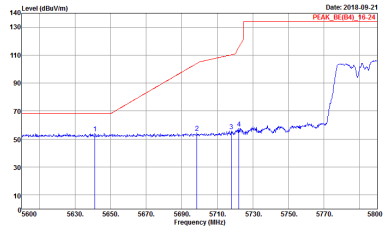
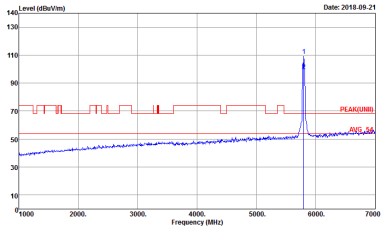
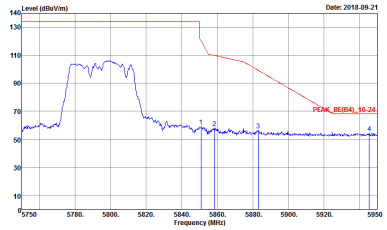
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 147 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 147 Setting : 14

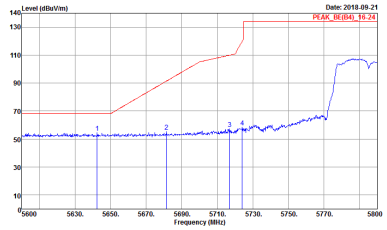
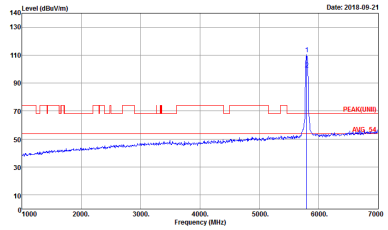
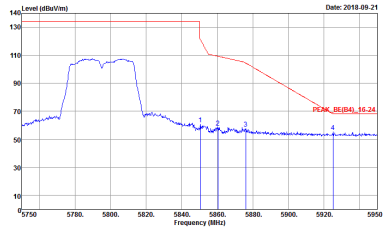
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

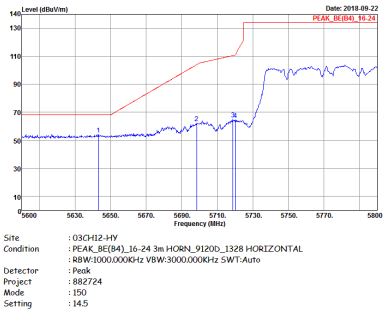
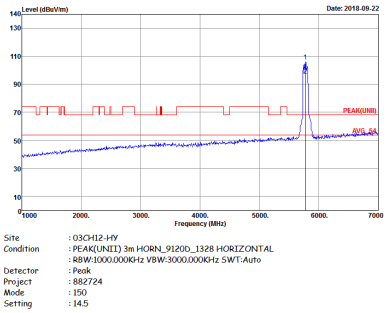
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

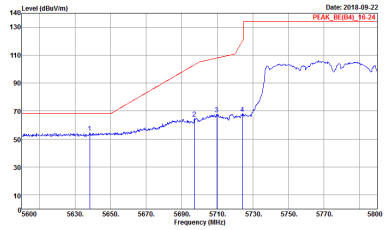
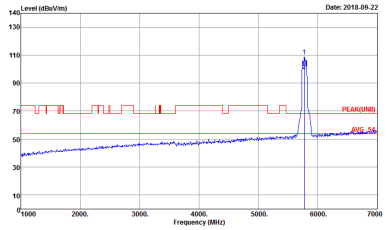
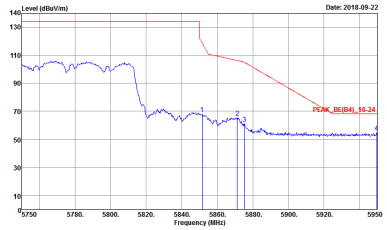
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 148 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 148 Setting : 14
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 148 Setting : 14	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 149 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 149 Setting : 14
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 149 Setting : 14	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 149 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 149 Setting : 14
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 149 Setting : 14	Left blank

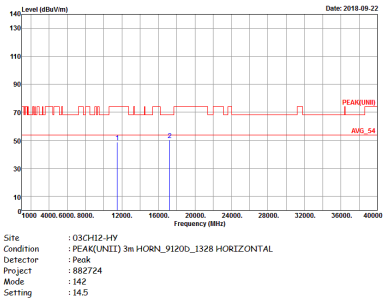
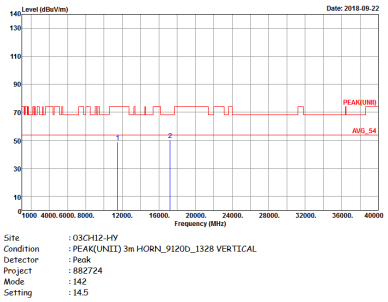
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

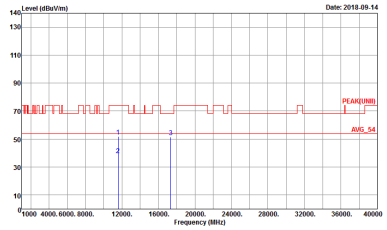
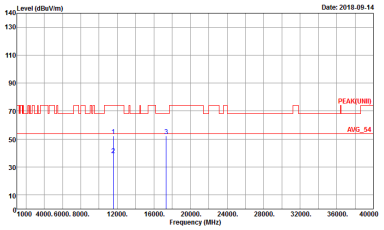
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 150 Setting : 14.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 150 Setting : 14.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 150 Setting : 14.5	Left blank

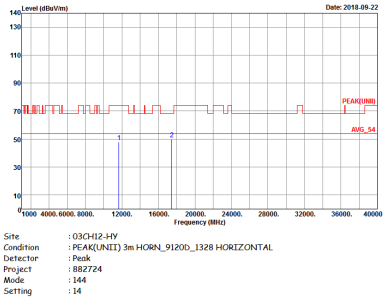
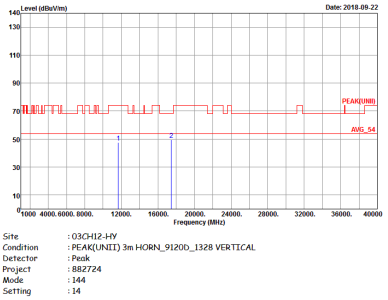
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 150 Setting : 14.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 150 Setting : 14.5
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 150 Setting : 14.5	Left blank

Band 4 - 5725~5850MHz

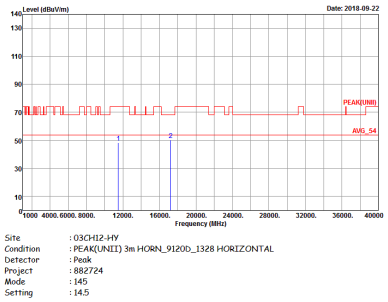
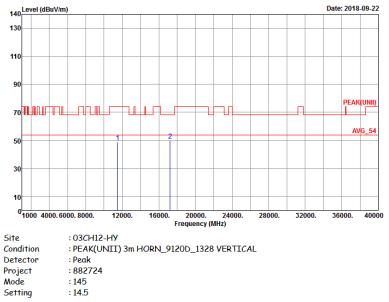
WIFI 802.11a (Harmonic @ 3m)

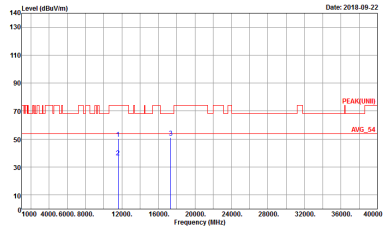
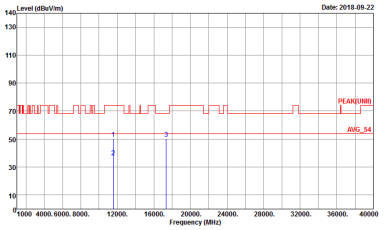
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

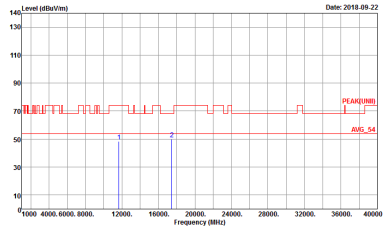
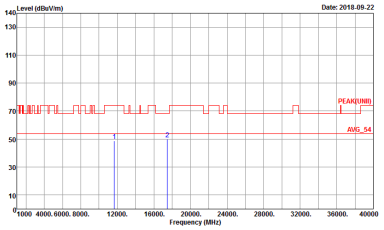
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 143 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 143 Setting : 18

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 144 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 144 Setting : 14

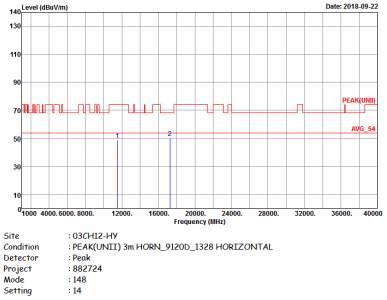
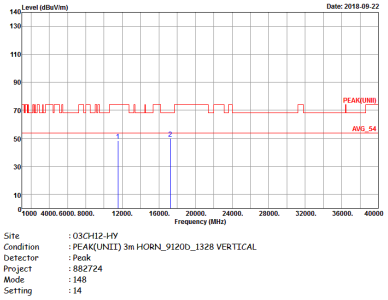
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

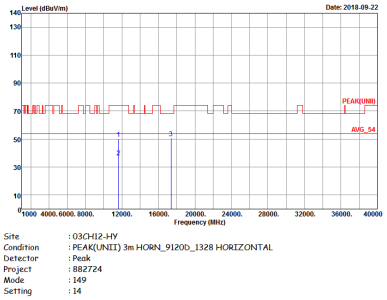
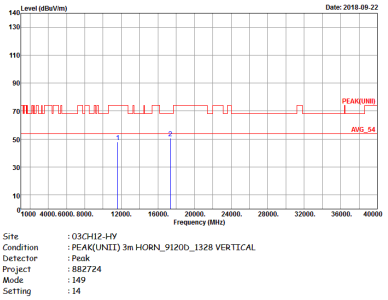
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 146 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 146 Setting : 15

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 147 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 147 Setting : 14

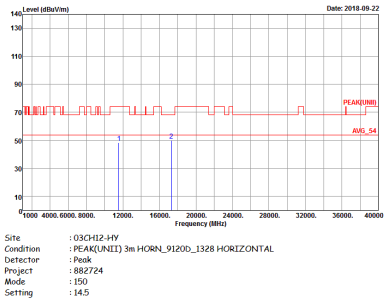
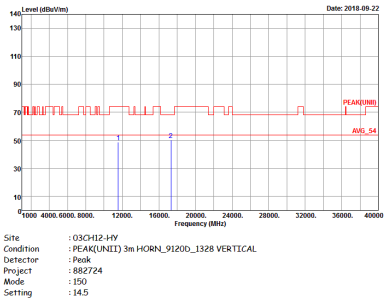
Band 4 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

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.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 149 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 149 Setting : 14

Band 4 5725~5850MHz

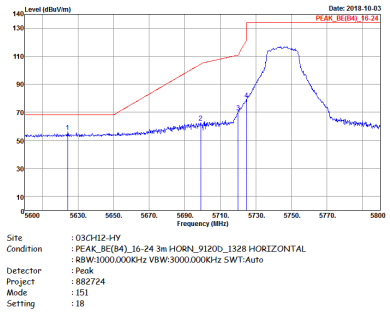
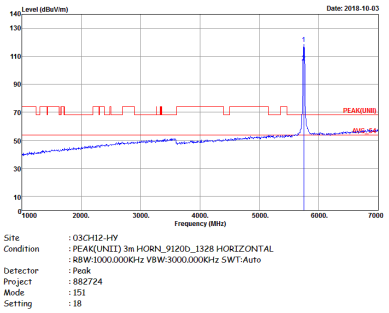
WIFI 802.11ac VHT80 (Harmonic @ 3m)

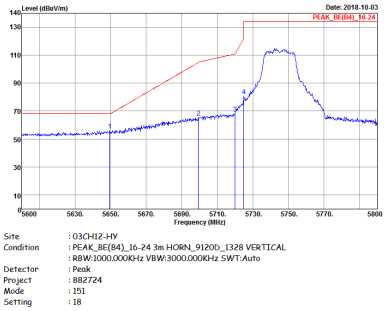
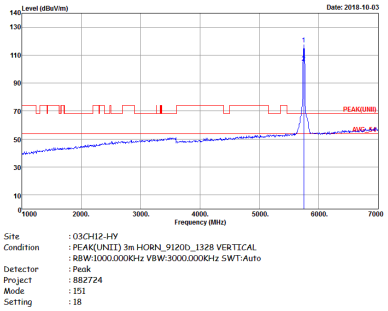
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.		

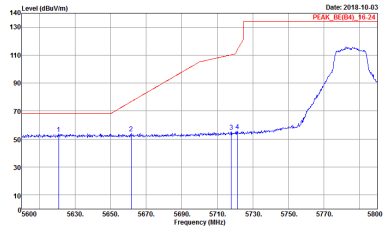
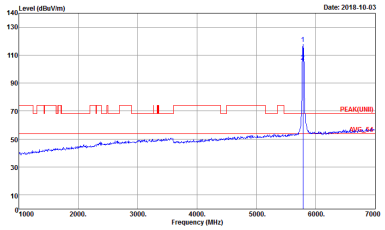
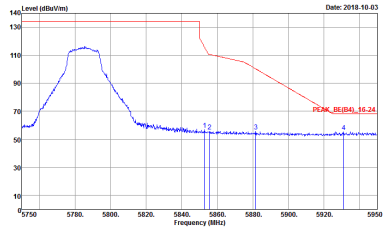
<TXBF Mode>

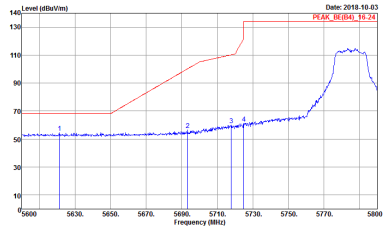
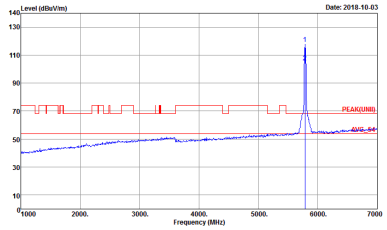
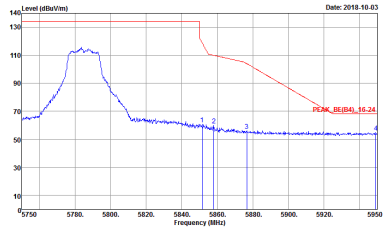
Band 4 - 5725~5850MHz

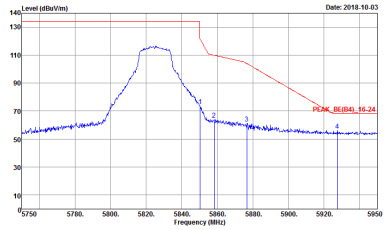
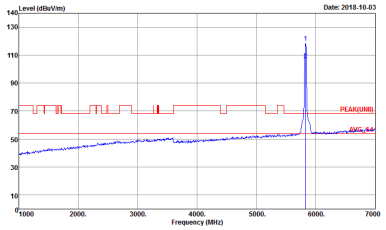
WIFI 802.11ac VHT20 (Band Edge @ 3m)

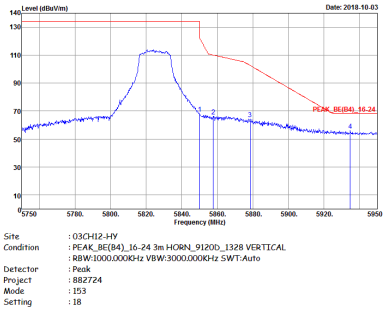
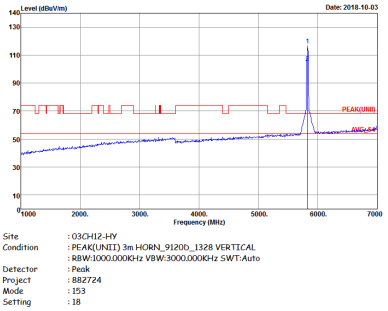
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		

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

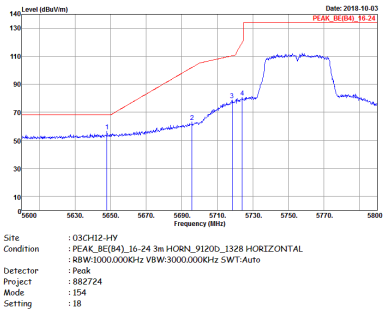
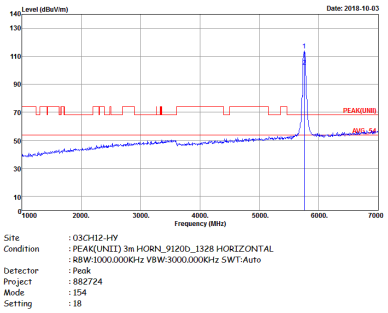
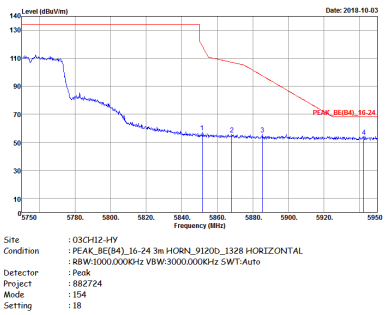
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 152 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 152 Setting : 18
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 152 Setting : 18	Left blank

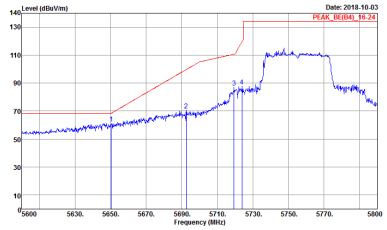
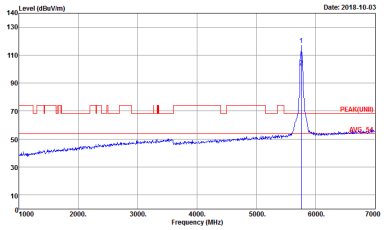
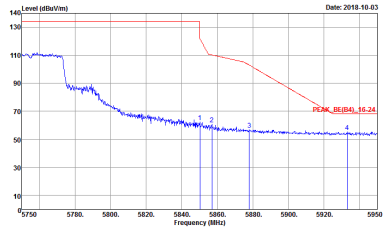
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 152 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 152 Setting : 18
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 152 Setting : 18	Left blank

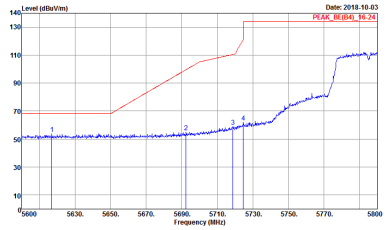
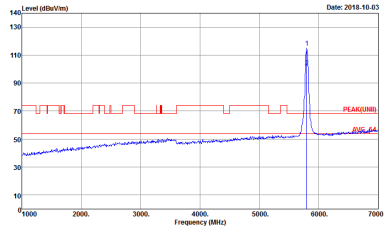
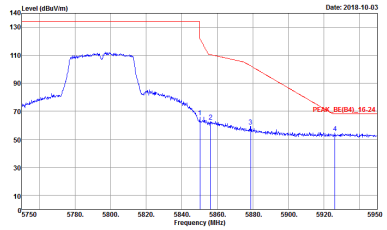
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 153 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 153 Setting : 18

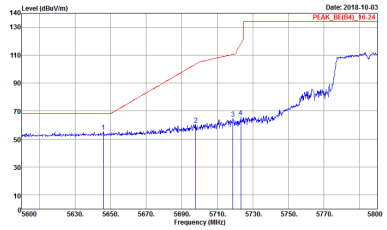
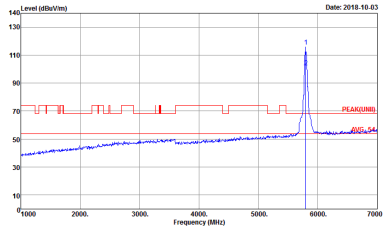
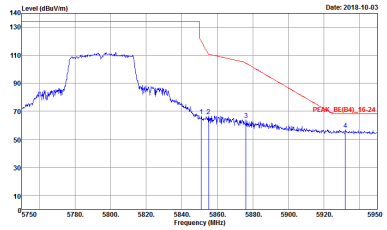
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 153 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 153 Setting : 18

Band 4 5725~5850MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

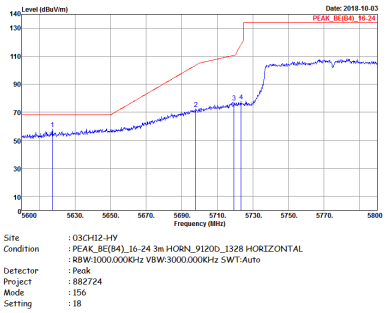
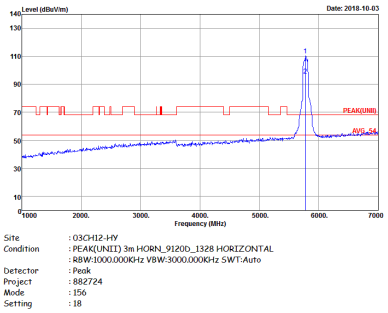
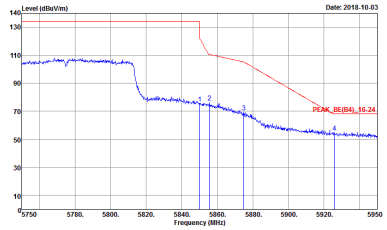
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Peak		Left blank

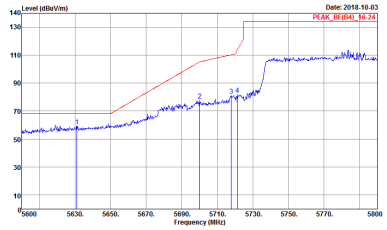
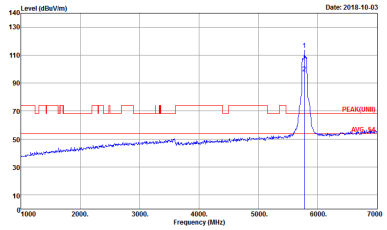
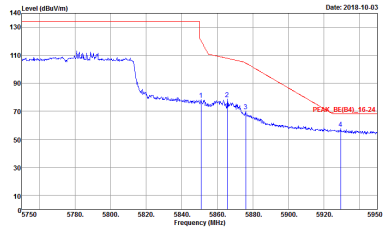
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 154 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 154 Setting : 18
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 154 Setting : 18	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 155 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 155 Setting : 18
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 155 Setting : 18	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 155 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 155 Setting : 18
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 155 Setting : 18	Left blank

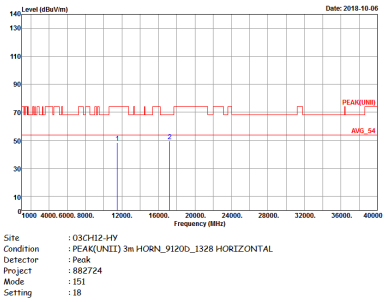
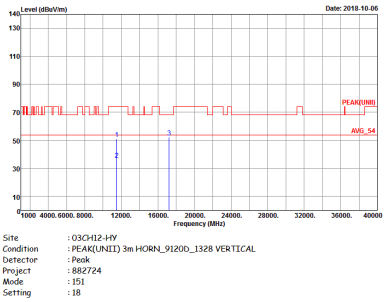
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

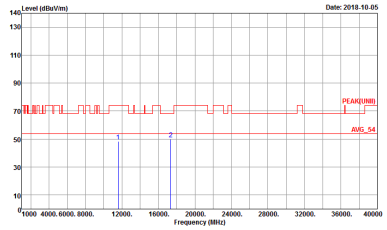
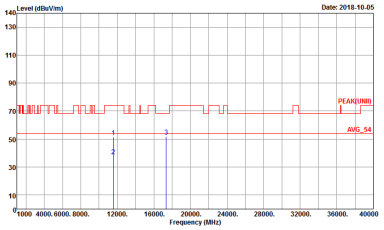
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 156 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 156 Setting : 18
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 156 Setting : 18	Left blank

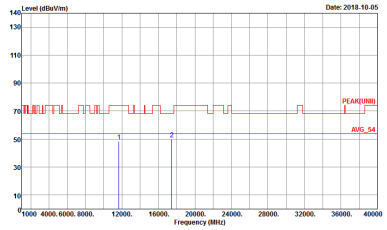
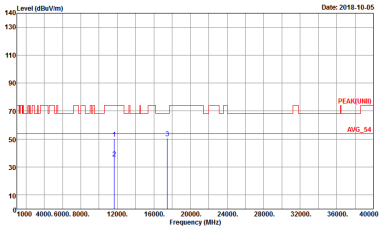
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 156 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 156 Setting : 18
Peak	 Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 882724 Mode : 156 Setting : 18	Left blank

Band 4 - 5725~5850MHz

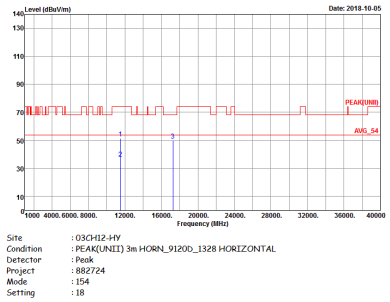
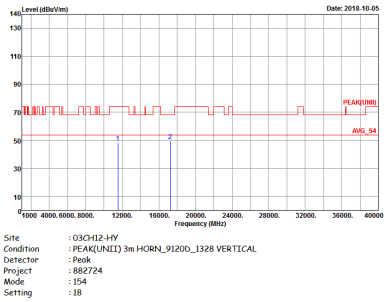
WIFI 802.11ac VHT20 (Harmonic @ 3m)

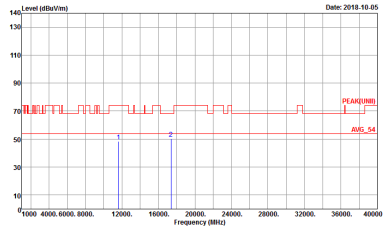
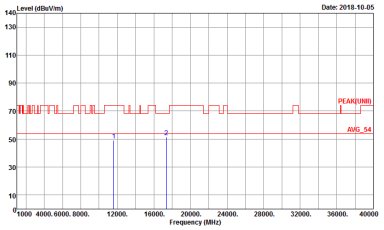
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 152 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 152 Setting : 18

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 153 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 153 Setting : 18

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 : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 882724 Mode : 155 Setting : 18	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 882724 Mode : 155 Setting : 18