FCC RF Test Report

APPLICANT	:	**Zebra Technologies Corporation**
EQUIPMENT	:	**Vehicle Computer**
BRAND NAME	:	**Zebra**
MODEL NAME	:	**VC80x**
FCC ID	:	**UZ7VC80X**
STANDARD	:	**FCC Part 15 Subpart E §15.407**
CLASSIFICATION	:	**(NII) Unlicensed National Information Infrastructure**

The product was received on May 24, 2017 and testing was completed on Aug. 28, 2017. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

Testing Laboratory 1190

SPORTON INTERNATIONAL INC.

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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR752421E	Rev. 01	Initial issue of report	Oct. 11, 2017

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.403(i)	6dB, 26dB and 99% Occupied Bandwidth	> 500kHz	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 30 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 30 dBm/500kHz	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b)(4)(i) &15.209(a)	Pass	Under limit 1.40 dB at 5637.400 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 14.80 dB at 0.150 MHz
3.6	15.407(g)	Frequency Stability	Within Operation Band	Pass	-
3.7	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.8	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742-1300, USA

1.2 Manufacturer

Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742-1300, USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Vehicle Computer
Brand Name	Zebra
Model Name	VC80x
FCC ID	UZ7VC80X
Sample 1	Standard SKU
Sample 2	Outdoor SKU
Sample 3	Freezer SKU
EUT supports Radios application	WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	EV
SW Version	91-15-01.7-MN-00
FW Version	FUSION_BA_2_00.0.0.033_M
MFD	25May17
EUT Stage	Identical Prototype

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

Accessories Information				
AC Adapter	**Brand Name**	Zebra	**Model Name**	FSP150
Car Charger	**Brand Name**	Zebra	**Model Name**	CA1210
RJ50/USB cable	**Brand Name**	Zebra	**Model Name**	CBA-U01-S07ZAP
Scanner	**Brand Name**	Zebra	**Model Name**	DS3508
Scanner	**Brand Name**	Zebra	**Model Name**	LS3408
Audio Speaker	**Brand Name**	Zebra	**Model Name**	M1000
Ferrite Core	**Brand Name**	Zebra	**Model Name**	M1000
Keyboard (ikey)	**Brand Name**	Zebra	**Model Name**	iKey
Keyboard (remote keyboard)	**Brand Name**	Zebra	**Model Name**	KYBD-QW-VC
External Antenna (Monopole)	**Brand Name**	Zebra	**Model Name**	AN2010
External Antenna (Monopole)	**Brand Name**	Zebra	**Model Name**	AN2020
External Antenna (Dipole)	**Brand Name**	Zebra	**Model Name**	AN2030

1.4 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 Mode>	**<5745 MHz ~ 5825 MHz>** **<Chain 0>** 802.11a : 18.23 dBm (0.0665 W) 802.11n HT20 : 17.64 dBm (0.0581 W) 802.11n HT40 : 18.07 dBm (0.0641 W) 802.11ac VHT20 : 17.59 dBm (0.0494 W) 802.11ac VHT40 : 18.10 dBm (0.0646 W) 802.11ac VHT80 : 15.35 dBm (0.0343 W) **<Chain 1>** 802.11a : 17.67 dBm (0.0585 W) 802.11n HT20 : 17.64 dBm (0.0581 W) 802.11n HT40 : 18.32 dBm (0.0679 W) 802.11ac VHT20 : 17.64 dBm (0.0581 W) 802.11ac VHT40 : 18.34 dBm (0.0683 W) 802.11ac VHT80 : 15.45 dBm (0.0351 W) **<MIMO Chain 0+1>** 802.11a : 20.77 dBm (0.1194 W) 802.11n HT20: 20.67 dBm (0.1167 W) 802.11n HT40 : 21.34 dBm (0.1361 W) 802.11ac VHT20 : 20.71 dBm (0.1167 W) 802.11ac VHT40 : 21.35 dBm (0.1365 W) 802.11ac VHT80 : 18.54 dBm (0.0714 W)
Maximum Output Power to antenna <TXBF Mode>	**<5745 MHz ~ 5825 MHz>** **<MIMO Chain 0+1>** 802.11n HT20 : 21.61 dBm (0.1449 W) 802.11n HT40 : 22.66 dBm (0.1845 W) 802.11ac VHT20 : 21.66 dBm (0.1466 W) 802.11ac VHT40 : 22.71 dBm (0.1866 W) 802.11ac VHT80 : 19.76 dBm (0.0946 W)
99% Occupied Bandwidth <CDD Mode>	**<5745 MHz ~ 5825 MHz>** **<Chain 0>** 802.11a : 19.35MHz **<Chain 1>** 802.11a : 21.20MHz **<MIMO Chain 0>** 802.11a : 19.20MHz 802.11ac VHT20 : 20.00MHz 802.11ac VHT40 : 55.30MHz 802.11ac VHT80 : 75.96MHz **<MIMO Chain 1>** 802.11a : 21.50MHz 802.11ac VHT20 : 23.00MHz 802.11ac VHT40 : 48.50MHz 802.11ac VHT80 : 75.96MHz

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Mode></td><td><5745 MHz ~ 5825 MHz>
<MIMO Chain 0>
802.11ac VHT20 : 19.65MHz
802.11ac VHT40 : 50.40MHz
802.11ac VHT80 : 75.36MHz
<MIMO Chain 1>
802.11ac VHT20 : 24.50MHz
802.11ac VHT40 : 64.20MHz
802.11ac VHT80 : 75.96MHz</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><td></td><td>Ant. 1</td><td>Ant. 2</td></tr>
<tr><td>802.11 a/n/ac</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11n/ac TXBF</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM /256QAM)</td></tr>
</table>

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

Antenna No.	Chain No.	Model	Antenna Type	Antenna Gain (dBi) Exclude Cable loss	Internal Cable loss (dB)	External Cable loss (dB)	Antenna Gain (dBi) Include Cable loss	Frequency (GHz)
1	Int. Chain 0	AN000097A01	Patch	3.96	N/A	N/A	3.96	2.4~2.4835
				5	N/A	N/A	5	5.15~5.85
	Int. Chain 1			3.69	N/A	N/A	3.69	2.4~2.4835
				5	N/A	N/A	5	5.15~5.85
2	Ext. Chain 0	AN2010	Monopole	2	0.6	1.8	-0.4	2.4~2.4835
				2	0.9	2.6	-1.5	5.15~5.85
	Ext. Chain 1			2	0.6	1.8	-0.4	2.4~2.4835
				2	0.9	2.6	-1.5	5.15~5.85
3	Ext. Chain 0	AN2020	Monopole	5	0.6	1.8	2.6	2.4~2.4835
	Ext. Chain 1			5	0.6	1.8	2.6	2.4~2.4835
4	Ext. Chain 0	AN2030	Dipole	2	0.6	N/A	1.4	2.4~2.4835
				3.7	0.9	N/A	2.8	5.15~5.85
	Ext. Chain 1			2	0.6	N/A	1.4	2.4~2.4835
				3.7	0.9	N/A	2.8	5.15~5.85

1.5 Modification of EUT

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

1.6 Testing Location

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

Test Site	SPORTON INTERNATIONAL INC.		
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978		
Test Site No.	**Sporton Site No.**		
	TH02-HY	CO05-HY	03CH07-HY

1.7 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane for Antenna No. 1 (Chain 0 / Chain 1 / Chain 0+1), Y Plane for Antenna No. 2 (Chain 0+1) and No. 4 (Chain 0 / Chain 1 / Chain 0+1), and Z Plane for Antenna No. 2 (Chain 0 / Chain 1)) 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 mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates as below table.

Single Antenna

Modulation	Data Rate
802.11a	6 Mbps

MIMO Antenna

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

TXBF Antenna

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

<CDD Mode>

<Chain 0>

802.11a mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		6M
Duty Cycle (%)		92.86
CH 149	5745	18.17
CH 157	5785	**18.23**
CH 165	5825	17.48

802.11n HT20 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
Duty Cycle (%)		92.41
CH 149	5745	17.55
CH 157	5785	**17.64**
CH 165	5825	16.84

802.11n HT40 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
Duty Cycle (%)		86.61
CH 151	5755	**18.07**
CH 159	5795	17.92

802.11ac VHT20 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
Duty Cycle (%)		92.41
CH 149	5745	17.57
CH 157	5785	**17.59**
CH 165	5825	16.94

802.11ac VHT40 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
Duty Cycle (%)		86.72
CH 151	5755	**18.10**
CH 159	5795	18.00

802.11ac VHT80 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
Duty Cycle (%)		86.08
CH 155	5755	15.35

<Chain 1>

802.11a mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		6M
Duty Cycle (%)		93.46
CH 149	5745	17.64
CH 157	5785	**17.67**
CH 165	5825	17.19

802.11n HT20 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
Duty Cycle (%)		92.41
CH 149	5745	17.59
CH 157	5785	**17.64**
CH 165	5825	16.82

802.11n HT40 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
Duty Cycle (%)		86.61
CH 151	5755	**18.32**
CH 159	5795	17.90

802.11ac VHT20 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
Duty Cycle (%)		92.41
CH 149	5745	17.62
CH 157	5785	**17.64**
CH 165	5825	16.82

802.11ac VHT40 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
Duty Cycle (%)		86.07
CH 151	5755	**18.34**
CH 159	5795	17.93

802.11ac VHT80 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
Duty Cycle (%)		86.08
CH 155	5755	15.45

MIMO<Chain 0+1>

802.11a mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		6M
CH 149	5745	**20.77**
CH 157	5785	20.63
CH 165	5825	19.87

802.11n HT20 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
CH 149	5745	20.64
CH 157	5785	**20.67**
CH 165	5825	19.88

802.11n HT40 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
CH 151	5755	**21.34**
CH 159	5795	21.11

802.11ac VHT20 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
CH 149	5745	20.67
CH 157	5785	**20.71**
CH 165	5825	19.96

802.11ac VHT40 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
CH 151	5755	**21.35**
CH 159	5795	21.10

802.11ac VHT80 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
CH 155	5755	18.54

<TXBF Mode>

MIMO<Chain 0+1>

802.11n HT20 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		6M
CH 149	5745	**21.61**
CH 157	5785	21.61
CH 165	5825	21.47

802.11n HT40 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
CH 151	5755	21.96
CH 159	5795	**22.66**

802.11ac VHT20 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
CH 149	5745	**21.66**
CH 157	5785	21.66
CH 165	5825	21.51

802.11ac VHT40 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		MCS0
CH 151	5755	22.06
CH 159	5795	**22.71**

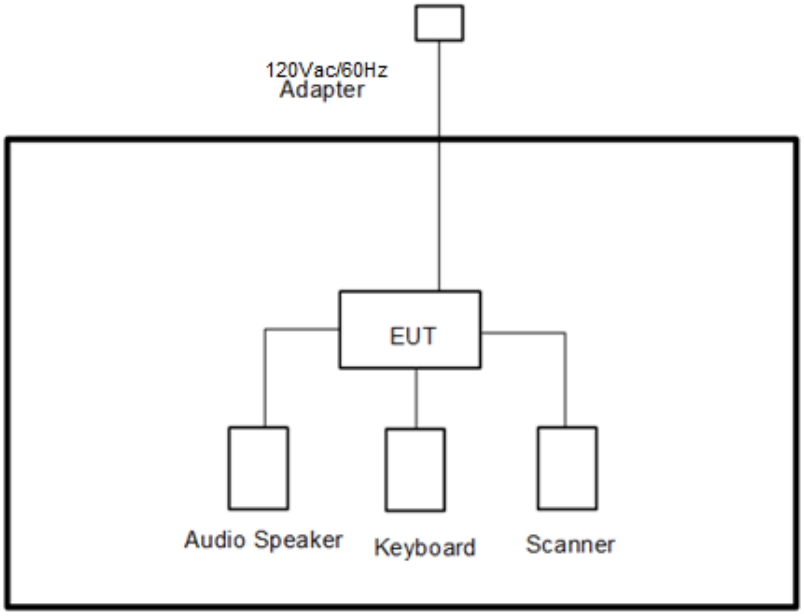
802.11ac VHT80 mode		
Power vs. Channel		
Channel	Frequency (MHz)	Data Rate (bps)
		6M
CH 155	5755	19.76

Test Cases	
AC Conducted Emission	Mode 1: WLAN (5GHz) Link + Bluetooth Idle + Audio Speaker (M1000) + Keyboard (ikey) + Scanner (DS3508) + RS-232 (cable load)* 2 + Ext. Antenna AN2020 + AC/DC Adapter + MPEG4 for Sample 1

2.3 Connection Diagram of Test System

<CDD Modes>

<EUT + Internal Antenna with Accessory Mode>



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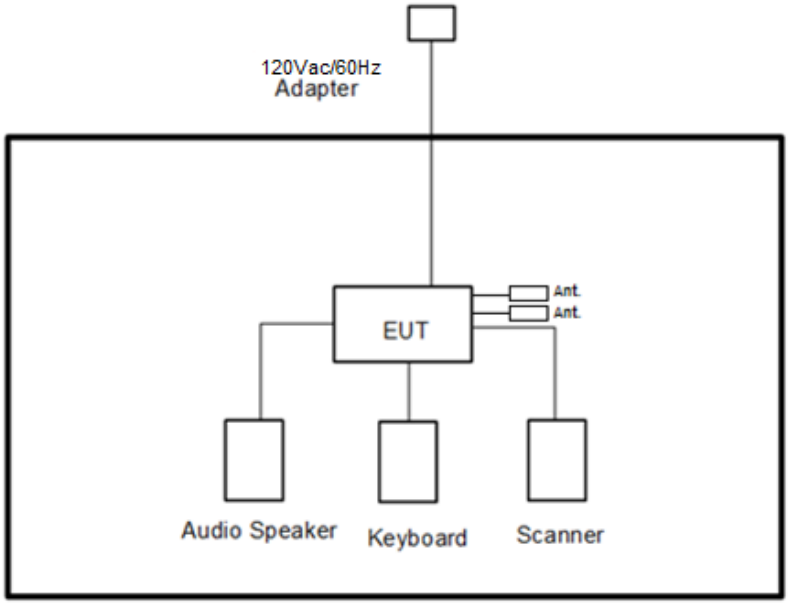

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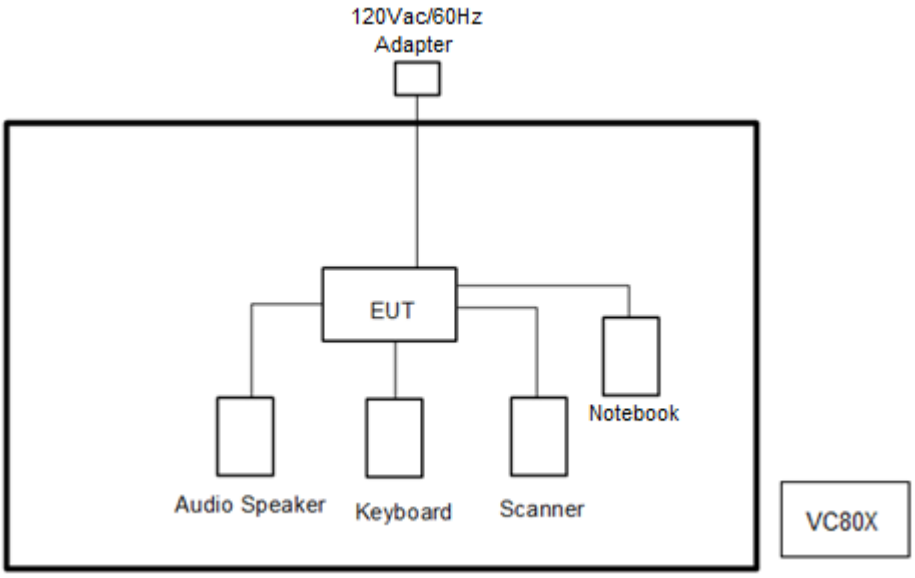

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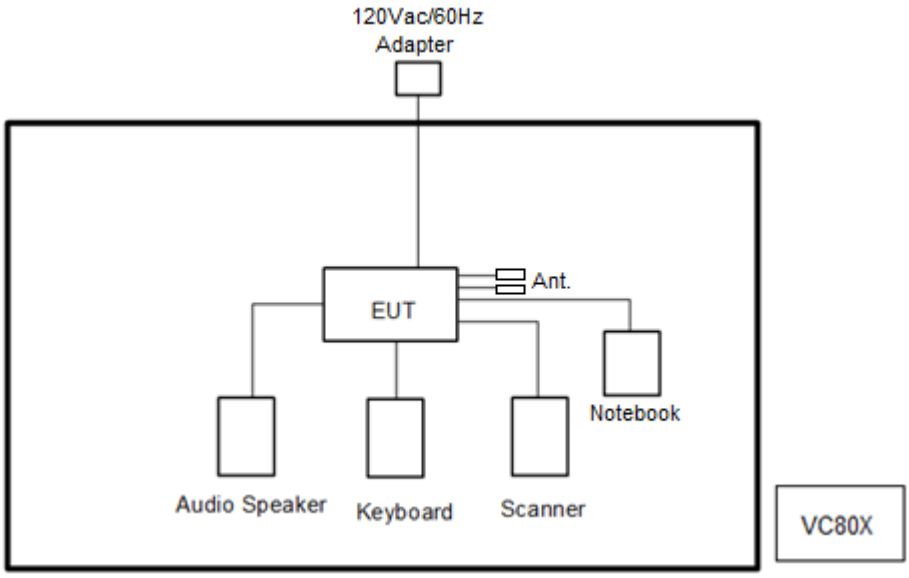


2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	SonyErricsson	MW600	PY700A2029	N/A	Unshielded,1.8m
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
3.	Notebook	DELL	Latitude E6320	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	Lenovo	M490S	N/A	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, programmed RF utility, “command” installed in the notebook make the EUT provide functions like channel selection and power level for continuous transmitting and receiving signals.

For WLAN MIMO TXBF modes, the EUT was tested under normal operation and link to another device with power, modulation modes and data rates controlled by engineer mode command lines. The CMD software tool was used to make EUT continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 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

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. Section C) Emission bandwidth for the band 5.725-5.85GHz
2. Set RBW = 100kHz.
3. Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

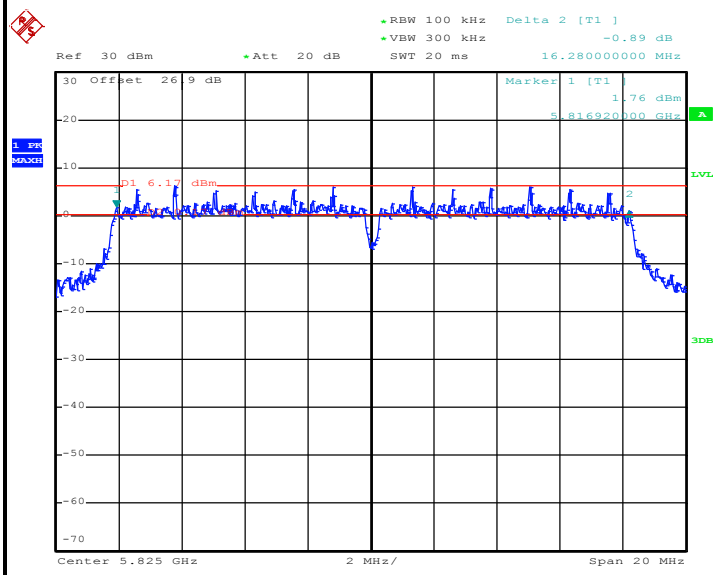
3.1.4 Test Setup

3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

<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	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	19.35	21.20	36.49	42.84	16.30	16.34	0.5	0.5	Pass
11a	6Mbps	1	157	5785	18.40	19.80	36.36	42.54	16.30	16.32	0.5	0.5	Pass
11a	6Mbps	1	165	5825	19.20	20.50	38.61	42.00	16.30	16.30	0.5	0.5	Pass
11a	6Mbps	2	149	5745	19.20	21.50	37.74	44.04	16.30	16.30	0.5		Pass
11a	6Mbps	2	157	5785	18.55	20.30	37.95	42.36	16.32	16.34	0.5		Pass
11a	6Mbps	2	165	5825	18.90	18.75	37.64	39.00	16.28	16.32	0.5		Pass
VHT20	MCS0	2	149	5745	20.00	23.00	45.54	48.66	17.58	17.54	0.5		Pass
VHT20	MCS0	2	157	5785	19.70	20.85	45.21	47.64	17.56	17.52	0.5		Pass
VHT20	MCS0	2	165	5825	19.95	19.55	44.88	46.64	17.54	17.54	0.5		Pass
VHT40	MCS0	2	151	5755	55.20	48.50	100.92	96.96	36.32	36.28	0.5		Pass
VHT40	MCS0	2	159	5795	55.30	44.10	97.98	99.72	36.28	36.32	0.5		Pass
VHT80	MCS0	2	155	5775	75.96	75.96	108.24	110.16	75.04	75.36	0.5		Pass

Minimum 6dB Bandwidth



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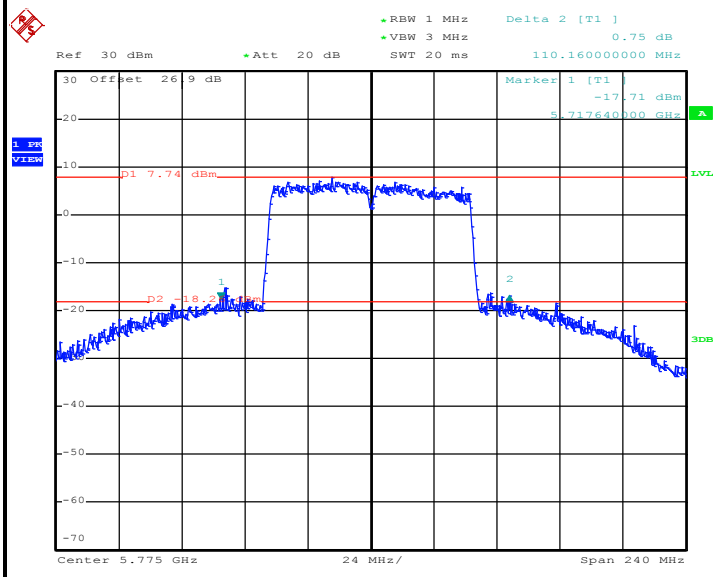
Maximum 26dB Bandwidth



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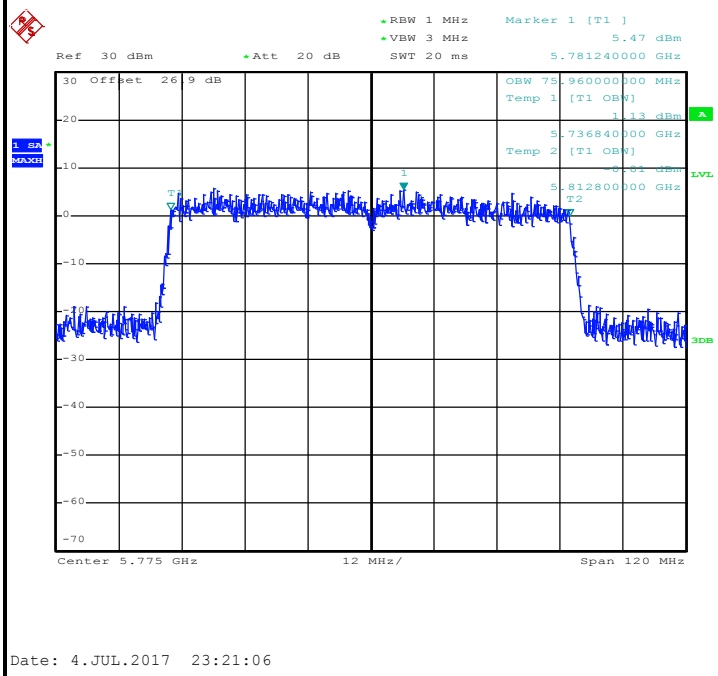
Maximum 99% Occupied Bandwidth

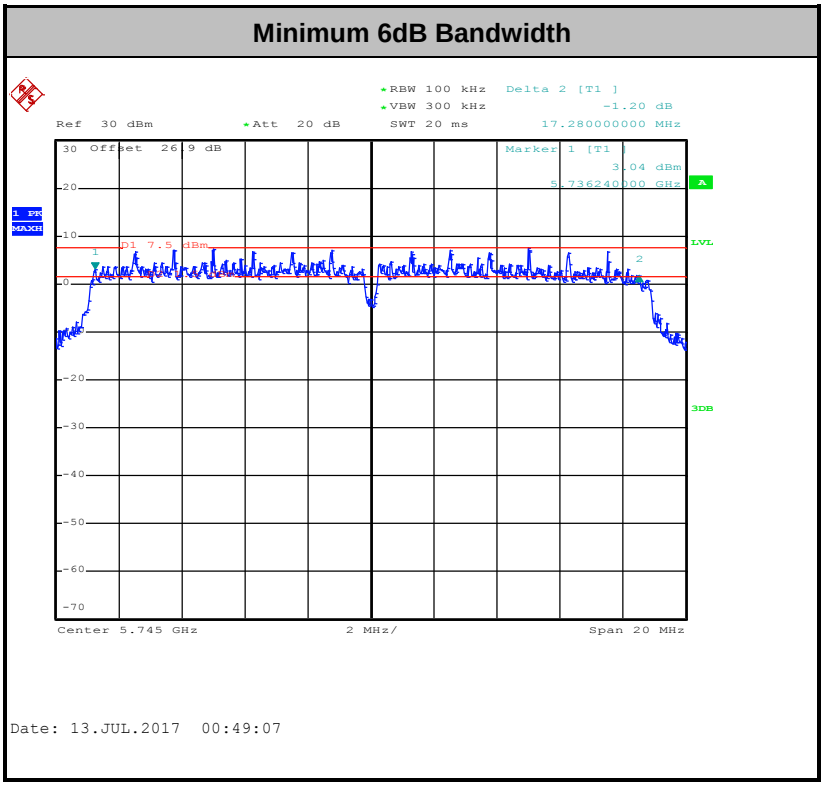


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

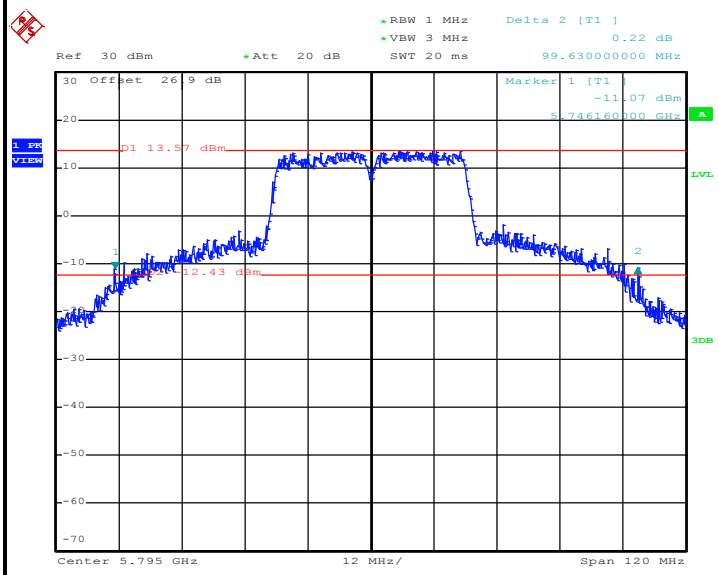
<TXBF Mode>

Band IV													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	149	5745	19.60	20.30	45.35	44.87	17.58	17.28	0.5		Pass
VHT20	MCS0	2	157	5785	19.65	21.35	44.51	46.07	17.56	17.58	0.5		Pass
VHT20	MCS0	2	165	5825	19.65	24.50	45.66	48.30	17.52	17.56	0.5		Pass
VHT40	MCS0	2	151	5755	38.00	45.80	99.12	99.36	36.28	36.20	0.5		Pass
VHT40	MCS0	2	159	5795	50.40	64.20	99.63	98.04	36.32	36.28	0.5		Pass
VHT80	MCS0	2	155	5775	75.36	75.96	80.64	98.88	75.28	74.40	0.5		Pass

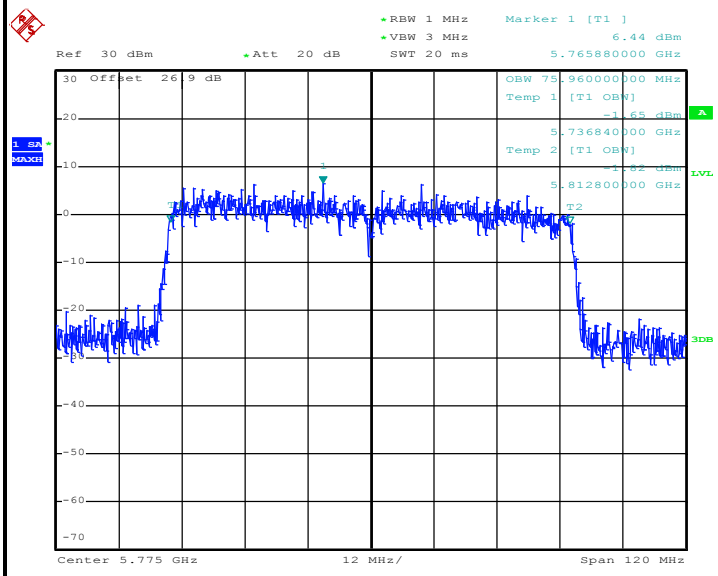
Minimum 6dB Bandwidth



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

The measuring equipment is listed in the section 4 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 v01r04.

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.

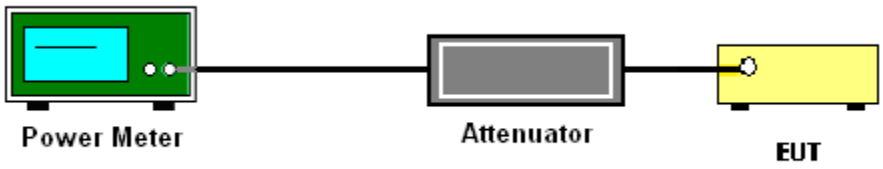
TXBF modes

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04 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

<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	0.32	0.29	18.17	17.64			30.00	30.00	5.00	5.00	Pass
11a	6Mbps	1	157	5785	0.32	0.29	18.23	17.67			30.00	30.00	5.00	5.00	Pass
11a	6Mbps	1	165	5825	0.32	0.29	17.48	17.19			30.00	30.00	5.00	5.00	Pass
HT20	MCS0	1	149	5745	0.34	0.34	17.55	17.59			30.00	30.00	5.00	5.00	Pass
HT20	MCS0	1	157	5785	0.34	0.34	17.64	17.64			30.00	30.00	5.00	5.00	Pass
HT20	MCS0	1	165	5825	0.34	0.34	16.84	16.82			30.00	30.00	5.00	5.00	Pass
HT40	MCS0	1	151	5755	0.62	0.62	18.07	18.32			30.00	30.00	5.00	5.00	Pass
HT40	MCS0	1	159	5795	0.62	0.62	17.92	17.90			30.00	30.00	5.00	5.00	Pass
VHT20	MCS0	1	149	5745	0.34	0.34	17.57	17.62			30.00	30.00	5.00	5.00	Pass
VHT20	MCS0	1	157	5785	0.34	0.34	17.59	17.64			30.00	30.00	5.00	5.00	Pass
VHT20	MCS0	1	165	5825	0.34	0.34	16.94	16.82			30.00	30.00	5.00	5.00	Pass
VHT40	MCS0	1	151	5755	0.62	0.65	18.10	18.34			30.00	30.00	5.00	5.00	Pass
VHT40	MCS0	1	159	5795	0.62	0.65	18.00	17.93			30.00	30.00	5.00	5.00	Pass
VHT80	MCS0	1	155	5775	0.65	0.65	15.35	15.45			30.00	30.00	5.00	5.00	Pass
11a	6Mbps	2	149	5745	0.29	0.32	17.84	17.67	20.77		30.00		5.00		Pass
11a	6Mbps	2	157	5785	0.29	0.32	17.92	17.30	20.63		30.00		5.00		Pass
11a	6Mbps	2	165	5825	0.29	0.32	17.22	16.47	19.87		30.00		5.00		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	
HT20	MCS0	2	149	5745	0.31	0.34	17.75	17.50	20.64	30.00		5.00		Pass
HT20	MCS0	2	157	5785	0.31	0.34	17.81	17.49	20.67	30.00		5.00		Pass
HT20	MCS0	2	165	5825	0.31	0.34	17.24	16.46	19.88	30.00		5.00		Pass
HT40	MCS0	2	151	5755	0.62	0.66	18.90	17.68	21.34	30.00		5.00		Pass
HT40	MCS0	2	159	5795	0.62	0.66	18.90	17.11	21.11	30.00		5.00		Pass
VHT20	MCS0	2	149	5745	0.34	0.34	17.75	17.56	20.67	30.00		5.00		Pass
VHT20	MCS0	2	157	5785	0.34	0.34	17.89	17.49	20.71	30.00		5.00		Pass
VHT20	MCS0	2	165	5825	0.34	0.34	17.27	16.60	19.96	30.00		5.00		Pass
VHT40	MCS0	2	151	5755	0.65	0.65	18.96	17.60	21.35	30.00		5.00		Pass
VHT40	MCS0	2	159	5795	0.65	0.65	18.90	17.08	21.10	30.00		5.00		Pass
VHT80	MCS0	2	155	5775	0.65	0.63	15.79	15.25	18.54	30.00		5.00		Pass

<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	Ant 1	Ant 2	
VHT20	MCS0	2	149	5745	19.60	20.30	45.35	44.87	17.58	17.28	0.5		Pass
VHT20	MCS0	2	157	5785	19.65	21.35	44.51	46.07	17.56	17.58	0.5		Pass
VHT20	MCS0	2	165	5825	19.65	24.50	45.66	48.30	17.52	17.56	0.5		Pass
VHT40	MCS0	2	151	5755	38.00	45.80	99.12	99.36	36.28	36.20	0.5		Pass
VHT40	MCS0	2	159	5795	50.40	64.20	99.63	98.04	36.32	36.28	0.5		Pass
VHT80	MCS0	2	155	5775	75.36	75.96	80.64	98.88	75.28	74.40	0.5		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

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. 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

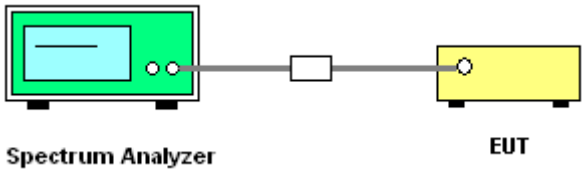
 # Method SA-3 #

(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

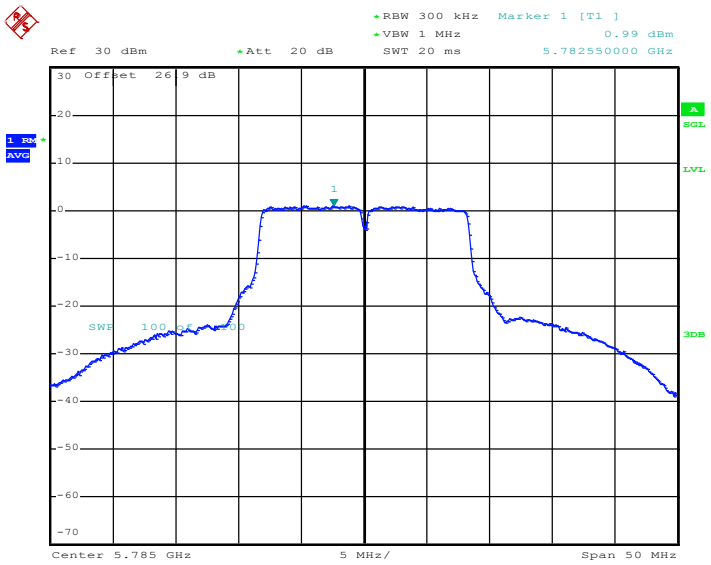


3.3.5 Test Result of Power Spectral Density

<CDD Mode>

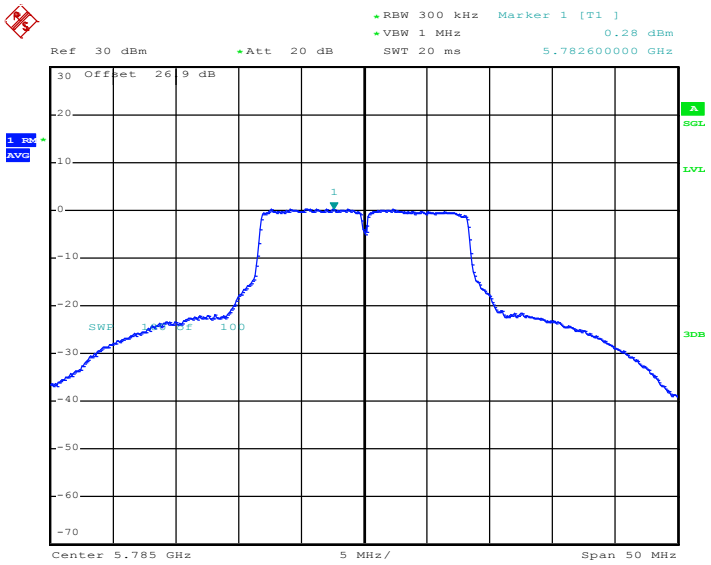
Band IV																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	0.32	0.29	2.22	2.22	3.15	3.12		30.00	30.00	5.00	5.00	Pass
11a	6Mbps	1	157	5785	0.32	0.29	2.22	2.22	3.64	2.78		30.00	30.00	5.00	5.00	Pass
11a	6Mbps	1	165	5825	0.32	0.29	2.22	2.22	3.16	2.67		30.00	30.00	5.00	5.00	Pass
11a	6Mbps	2	149	5745	0.29	0.32	2.22				6.48	27.99		8.01		Pass
11a	6Mbps	2	157	5785	0.29	0.32	2.22				6.51	27.99		8.01		Pass
11a	6Mbps	2	165	5825	0.29	0.32	2.22				6.08	27.99		8.01		Pass
VHT20	MCS0	2	149	5745	0.34	0.34	2.22				5.96	27.99		8.01		Pass
VHT20	MCS0	2	157	5785	0.34	0.34	2.22				6.32	27.99		8.01		Pass
VHT20	MCS0	2	165	5825	0.34	0.34	2.22				5.67	27.99		8.01		Pass
VHT40	MCS0	2	151	5755	0.65	0.65	2.22				4.40	27.99		8.01		Pass
VHT40	MCS0	2	159	5795	0.65	0.65	2.22				4.41	27.99		8.01		Pass
VHT80	MCS0	2	155	5775	0.65	0.63	2.22				-1.31	27.99		8.01		Pass

Worst Case Power Density (dBm/300kHz) for MIMO Chain 0



Date: 4.JUL.2017 01:35:24

Worst Case Power Density (dBm/300kHz) for MIMO Chain 1



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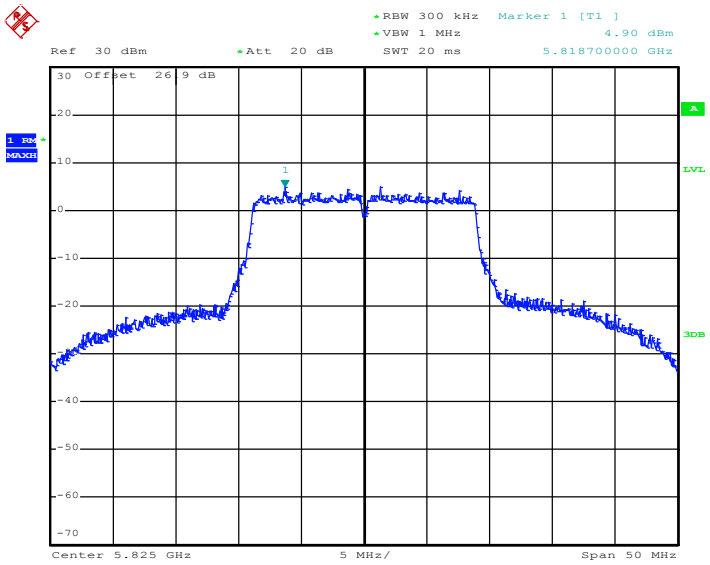
<TXBF Mode>

Band IV													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	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	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	149	5745	2.22				10.37	27.99		8.01		Pass
VHT20	MCS0	2	157	5785	2.22				9.52	27.99		8.01		Pass
VHT20	MCS0	2	165	5825	2.22				10.49	27.99		8.01		Pass
VHT40	MCS0	2	151	5755	2.22				7.64	27.99		8.01		Pass
VHT40	MCS0	2	159	5795	2.22				7.52	27.99		8.01		Pass
VHT80	MCS0	2	155	5775	2.22				2.21	27.99		8.01		Pass

Worst Case Power Density (dBm/300kHz) for MIMO Chain 0



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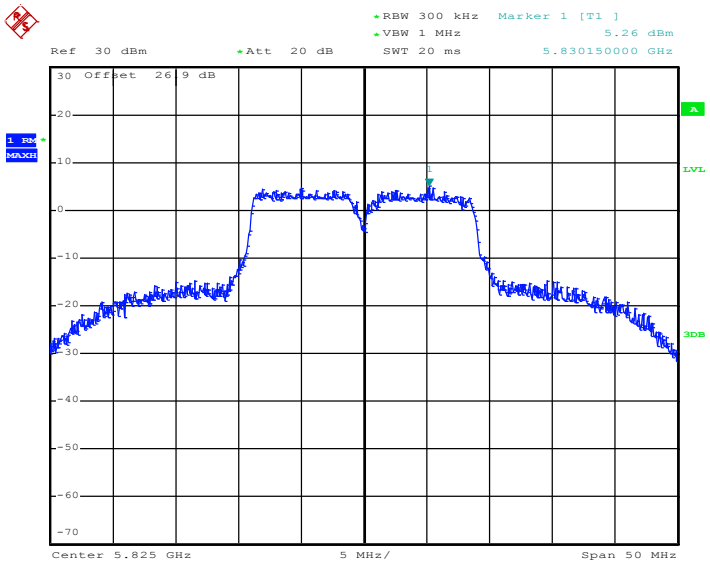
Worst Case Power Density (dBm/300kHz) for MIMO Chain 1



Date: 13.JUL.2017 01:17:22

3.4 Unwanted Emissions Measurement

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

3.4.1 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 per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,

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

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

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

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

(3) KDB789033 D01 v01r04 G)2)c)

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

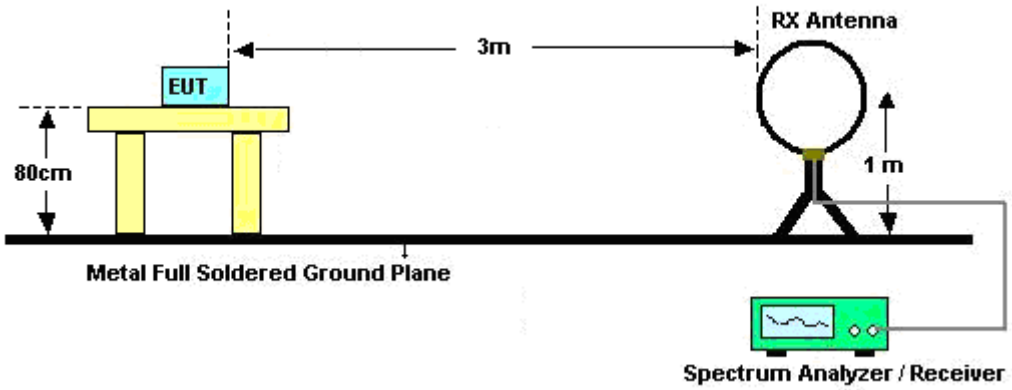
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

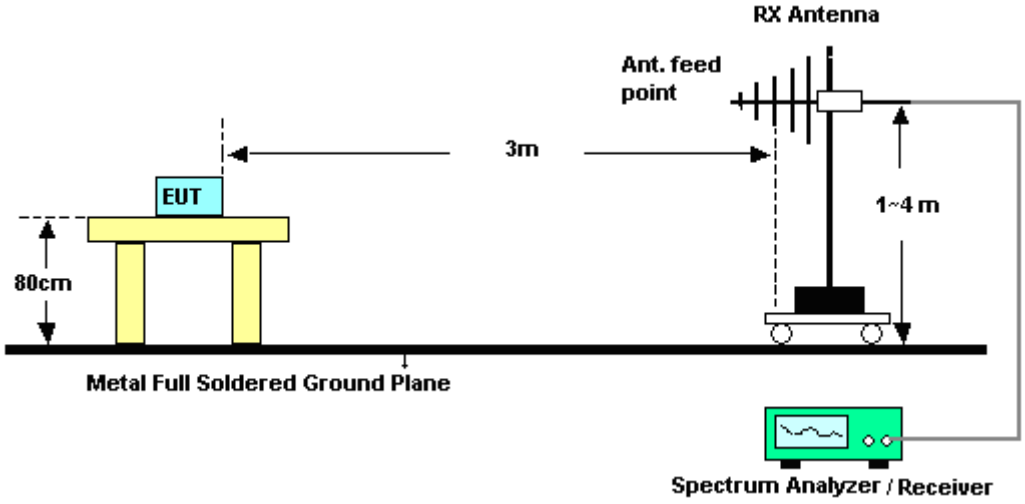
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

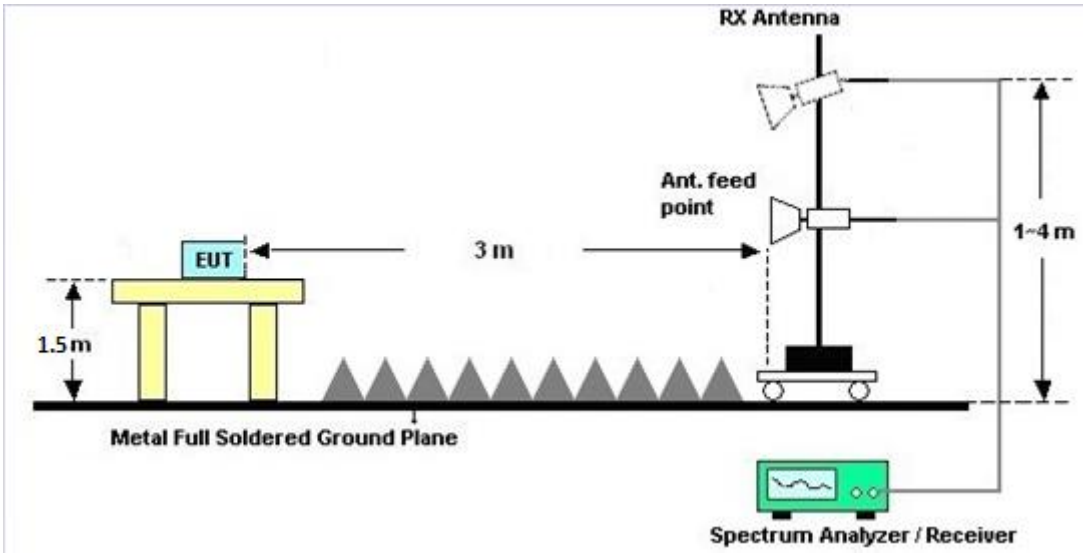
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.4.5 Test Results of Radiated 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.

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.

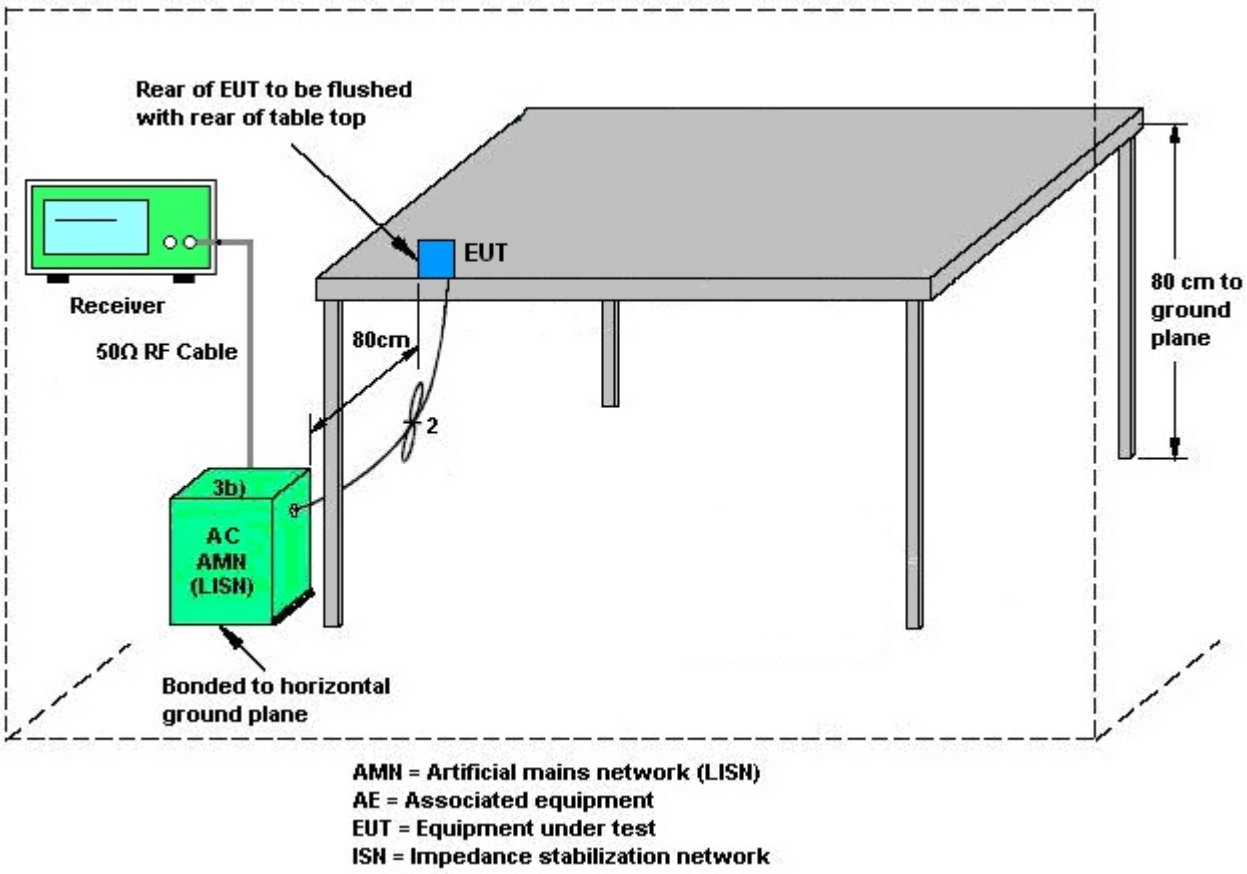
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

3.6 Frequency Stability Measurement

3.6.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

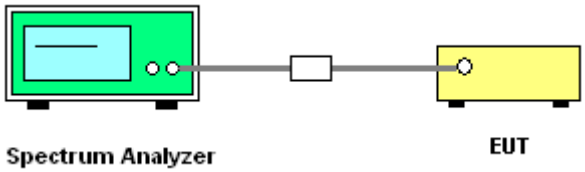
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Band IV									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)
11a	6Mbps	1	149	5745	5745.050	0.050	8.70	50	120
11a	6Mbps	1	149	5745	5745.050	0.050	8.70	-30	120
11a	6Mbps	1	149	5745	5745.050	0.050	8.70	20	138
11a	6Mbps	1	149	5745	5745.050	0.050	8.70	20	102
11a	6Mbps	1	149	5745	5745.050	0.050	8.70	20	120

3.7 Automatically Discontinue Transmission

3.7.1 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.

3.7.2 Measuring Instruments

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

3.7.3 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.

3.8 Antenna Requirements

3.8.1 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.

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.3 Antenna Gain

CDD modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

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

Array Gain = 10 log(N_{ANT}/N_{SS}=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} 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.

			DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Chain 0 (dBi)	Chain 1 (dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	5.00	5.00	5.00	8.01	0.00	2.01

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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.

	Chain 0 (dBi)	Chain 1 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	5.00	5.00	8.01	8.01	2.01	2.01

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
Power Meter	Anritsu	ML2495A	0932001	300MHz~40GHz	Sep. 29, 2016	Jul. 11, 2017~ Aug. 15, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Jul. 11, 2017~ Aug. 15, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 25, 2016	Jul. 11, 2017~ Aug. 15, 2017	Nov. 24, 2017	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 01, 2016	Jul. 11, 2017~ Aug. 15, 2017	Aug. 31, 2017	Conducted (TH05-HY)
AC Power Source	AC POWER	AFC-500W	F104070011	50Hz~60Hz	Dec 01.2016	Jul. 11, 2017~ Aug. 15, 2017	Nov 30 2017	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 02, 2017	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Jul. 02, 2017	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Jul. 02, 2017	Nov. 28, 2017	Conduction (CO05-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35419&03	30MHz to 1GHz	Jan. 07, 2017	Jun. 08, 2017 ~ Aug. 28, 2017	Jan. 06, 2018	Radiation (03CH07-HY)
Horn Antenna	ESCO	3117	00066584	1GHz~18GHz	Sep. 02, 2016	Jun. 08, 2017 ~ Aug. 16, 2017	Sep. 01, 2017	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	May. 15, 2017	Jun. 08, 2017 ~ Aug. 16, 2017	May. 14, 2019	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz ~ 18GHz	Apr. 25, 2017	Jun. 08, 2017 ~ Aug. 16, 2017	Apr. 24, 2018	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz-1GHz	Mar. 14, 2017	Jun. 08, 2017 ~ Aug. 16, 2017	Mar. 13, 2018	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Oct. 12, 2016	Jun. 08, 2017 ~ Aug. 16, 2017	Oct. 11, 2017	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Jun. 08, 2017 ~ Aug. 16, 2017	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Jun. 08, 2017 ~ Aug. 16, 2017	N/A	Radiation (03CH07-HY)
Amplifier	MITEQ	TTA1840-35-H G	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jun. 08, 2017	Jun. 08, 2017 ~ Aug. 16, 2017	Jun. 07, 2018	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 08, 2016	Jun. 08, 2017 ~ Aug. 16, 2017	Nov. 07, 2017	Radiation (03CH07-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz to 26.5GHz	Jan. 12, 2017	Jun. 08, 2017 ~ Aug. 16, 2017	Jan. 11, 2018	Radiation (03CH07-HY)

5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.70**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.50**

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

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

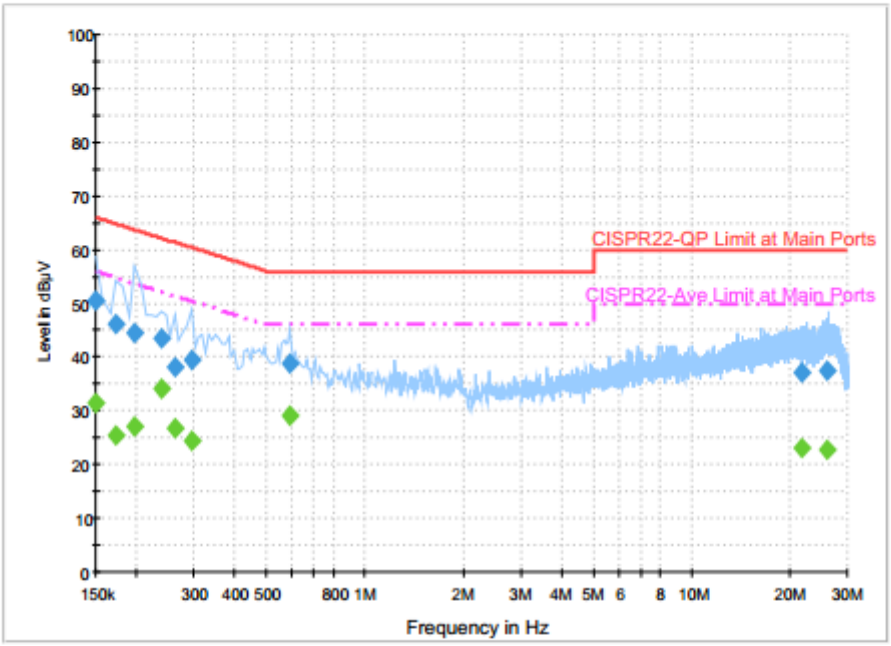
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Arthur Hsieh	Temperature :	22~25℃
		Relative Humidity :	51~55%

EUT Information

Report NO :	752421
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

ENV216 Auto Test-L



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	50.4	Off	L1	19.6	15.6	66.0
0.174000	46.1	Off	L1	19.5	18.7	64.8
0.198000	44.3	Off	L1	19.5	19.4	63.7
0.238000	43.5	Off	L1	19.5	18.7	62.2
0.262000	38.1	Off	L1	19.5	23.3	61.4
0.294000	39.6	Off	L1	19.5	20.8	60.4
0.590000	38.9	Off	L1	19.5	17.1	56.0
21.766000	37.2	Off	L1	19.8	22.8	60.0
26.030000	37.3	Off	L1	19.8	22.7	60.0

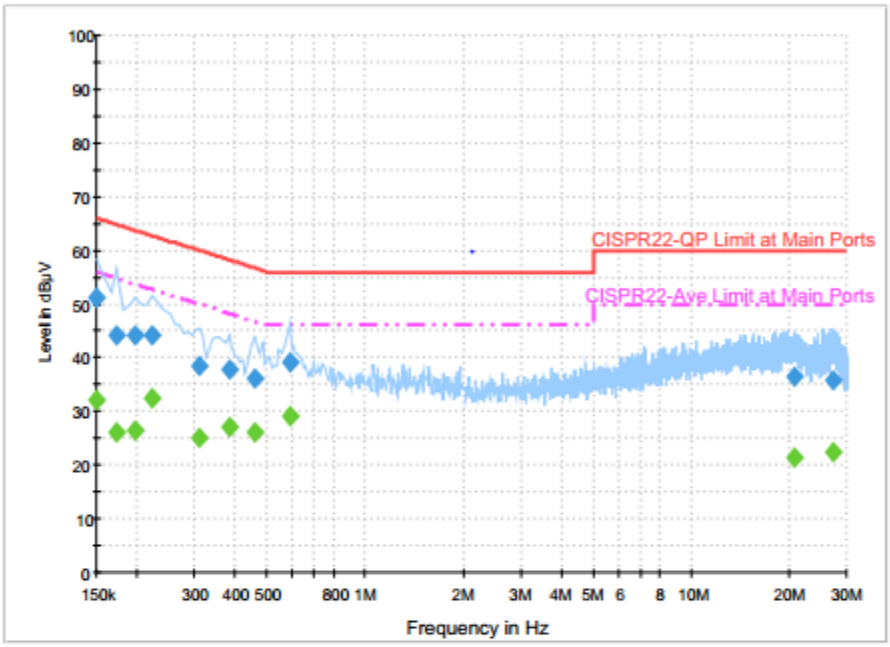
Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	31.3	Off	L1	19.6	24.7	56.0
0.174000	25.5	Off	L1	19.5	29.3	54.8
0.198000	27.1	Off	L1	19.5	26.6	53.7
0.238000	34.0	Off	L1	19.5	18.2	52.2
0.262000	26.6	Off	L1	19.5	24.8	51.4
0.294000	24.5	Off	L1	19.5	25.9	50.4
0.590000	29.0	Off	L1	19.5	17.0	46.0
21.766000	23.0	Off	L1	19.8	27.0	50.0
26.030000	22.6	Off	L1	19.8	27.4	50.0

EUT Information

Report NO :	752421
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

ENV216 Auto Test-N



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	51.2	Off	N	19.5	14.8	66.0
0.174000	44.1	Off	N	19.5	20.7	64.8
0.198000	44.3	Off	N	19.5	19.4	63.7
0.222000	44.1	Off	N	19.5	18.6	62.7
0.310000	38.5	Off	N	19.5	21.5	60.0
0.382000	37.9	Off	N	19.5	20.3	58.2
0.462000	36.1	Off	N	19.5	20.6	56.7
0.590000	39.1	Off	N	19.5	16.9	56.0
20.670000	36.6	Off	N	19.9	23.4	60.0
27.230000	35.8	Off	N	20.0	24.2	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	32.2	Off	N	19.5	23.8	56.0
0.174000	26.1	Off	N	19.5	28.7	54.8
0.198000	26.6	Off	N	19.5	27.1	53.7
0.222000	32.4	Off	N	19.5	20.3	52.7
0.310000	25.1	Off	N	19.5	24.9	50.0
0.382000	27.0	Off	N	19.5	21.2	48.2
0.462000	26.1	Off	N	19.5	20.6	46.7
0.590000	29.1	Off	N	19.5	16.9	46.0
20.670000	21.5	Off	N	19.9	28.5	50.0
27.230000	22.2	Off	N	20.0	27.8	50.0

Appendix B. Radiated Spurious Emission

Test Engineer :	Jesse Wang, James Chiu, Potter Liu	Temperature :	22~26°C
		Relative Humidity :	52~58%

<For Sample 1>

<CDD Mode>

<Ant. No. 1 Chain 0>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		5649.4	58.4	-9.8	68.2	46.32	34.6	12.61	35.13	101	220	P	H
		5700	73.66	-31.54	105.2	61.53	34.6	12.67	35.14	101	220	P	H
		5719.8	83.09	-27.65	110.74	70.9	34.6	12.73	35.14	101	220	P	H
		5724.6	92.47	-28.82	121.29	80.28	34.6	12.73	35.14	101	220	P	H
	*	5745	118.4	-	-	106.16	34.6	12.79	35.15	101	220	P	H
	*	5745	109.88	-	-	97.64	34.6	12.79	35.15	101	220	A	H
													H
													H
		5645.6	52.71	-15.49	68.2	40.63	34.6	12.61	35.13	367	159	P	V
		5699	64.57	-39.89	104.46	52.44	34.6	12.67	35.14	367	159	P	V
		5719.6	76.19	-34.5	110.69	64	34.6	12.73	35.14	367	159	P	V
		5723.8	87.17	-32.29	119.46	74.98	34.6	12.73	35.14	367	159	P	V
	*	5745	112.92	-	-	100.68	34.6	12.79	35.15	367	159	P	V
	*	5745	104.53	-	-	92.29	34.6	12.79	35.15	367	159	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5638.6	53.2	-15	68.2	41.12	34.6	12.61	35.13	100	219	P	H
		5684.4	55.96	-37.73	93.69	43.83	34.6	12.67	35.14	100	219	P	H
		5715.8	63.32	-46.31	109.63	51.13	34.6	12.73	35.14	100	219	P	H
		5723.6	67.4	-51.61	119.01	55.21	34.6	12.73	35.14	100	219	P	H
	*	5785	118.15	-	-	105.86	34.6	12.85	35.16	100	219	P	H
	*	5785	109.69	-	-	97.4	34.6	12.85	35.16	100	219	A	H
		5851	62.45	-57.47	119.92	50.08	34.6	12.94	35.17	100	219	P	H
		5855.6	59.78	-50.85	110.63	47.41	34.6	12.94	35.17	100	219	P	H
		5878.4	55.23	-47.44	102.67	42.79	34.6	13.02	35.18	100	219	P	H
		5943.8	51.48	-16.72	68.2	38.88	34.6	13.2	35.2	100	219	P	H
													H
802.11a CH 157 5785MHz													H
		5633.2	51.6	-16.6	68.2	39.52	34.6	12.61	35.13	379	167	P	V
		5667.6	52.85	-28.41	81.26	40.71	34.6	12.67	35.13	379	167	P	V
		5704	52.77	-53.55	106.32	40.58	34.6	12.73	35.14	379	167	P	V
		5722	53.53	-61.83	115.36	41.34	34.6	12.73	35.14	379	167	P	V
	*	5785	112.88	-	-	100.59	34.6	12.85	35.16	379	167	P	V
	*	5785	104.52	-	-	92.23	34.6	12.85	35.16	379	167	A	V
		5851	52.31	-67.61	119.92	39.94	34.6	12.94	35.17	379	167	P	V
		5856.8	50.8	-59.5	110.3	38.43	34.6	12.94	35.17	379	167	P	V
		5900.6	51.02	-35.2	86.22	38.5	34.6	13.11	35.19	379	167	P	V
		5929.8	50.27	-17.93	68.2	37.75	34.6	13.11	35.19	379	167	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	117.95	-	-	105.58	34.6	12.94	35.17	100	219	P	H
	*	5825	109.54	-	-	97.17	34.6	12.94	35.17	100	219	A	H
		5850	80.99	-41.21	122.2	68.62	34.6	12.94	35.17	100	219	P	H
		5856.4	82.21	-28.2	110.41	69.84	34.6	12.94	35.17	100	219	P	H
		5875.8	67.19	-37.42	104.61	54.75	34.6	13.02	35.18	100	219	P	H
		5930.8	55.12	-13.08	68.2	42.6	34.6	13.11	35.19	100	219	P	H
													H
802.11a													H
CH 165	*	5825	113.16	-	-	100.79	34.6	12.94	35.17	378	156	P	V
5825MHz	*	5825	104.99	-	-	92.62	34.6	12.94	35.17	378	156	A	V
		5851.6	74.45	-44.1	118.55	62.08	34.6	12.94	35.17	378	156	P	V
		5855	67.35	-43.45	110.8	54.98	34.6	12.94	35.17	378	156	P	V
		5885	55.34	-42.43	97.77	42.91	34.6	13.02	35.19	378	156	P	V
		5926.2	51.08	-17.12	68.2	38.56	34.6	13.11	35.19	378	156	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	46.48	-27.52	74	45.67	39.27	18.88	57.34	100	0	P	H
		17235	51.32	-16.88	68.2	41.31	42.43	23.38	55.8	100	0	P	H
													H
													H
		11490	45.24	-28.76	74	44.43	39.27	18.88	57.34	100	0	P	V
		17235	50.92	-17.28	68.2	40.91	42.43	23.38	55.8	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	46.37	-27.63	74	45.41	39.2	18.95	57.19	100	0	P	H
		17355	51.82	-16.38	68.2	41.93	42.24	23.45	55.8	100	0	P	H
													H
													H
		11570	46.34	-27.66	74	45.38	39.2	18.95	57.19	100	0	P	V
		17355	51.57	-16.63	68.2	41.68	42.24	23.45	55.8	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	45.47	-28.53	74	44.41	39.11	19.03	57.08	100	0	P	H
		17475	50.3	-17.9	68.2	40.53	42.05	23.52	55.8	100	0	P	H
													H
													H
		11650	46.19	-27.81	74	45.13	39.11	19.03	57.08	100	0	P	V
		17475	50.46	-17.74	68.2	40.69	42.05	23.52	55.8	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 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		30.81	28.52	-11.48	40	32.71	25.46	1.71	31.36			P	H
		158.79	33.99	-9.51	43.5	45.8	17.07	2.62	31.5			P	H
		296.22	34.29	-11.71	46	42.56	19.76	3.28	31.31			P	H
		519.8	37.2	-8.8	46	39.66	24.36	4.13	30.95	100	283	P	H
		650	33.13	-12.87	46	33.4	25.9	4.59	30.76			P	H
		953.8	34.71	-11.29	46	29.61	30.21	5.4	30.51			P	H
													H
													H
													H
													H
													H
													H
		30.81	34.28	-5.72	40	38.47	25.46	1.71	31.36	100	82	P	V
		92.37	28.93	-14.57	43.5	43.03	15.36	2.11	31.57			P	V
		293.79	30.67	-15.33	46	38.96	19.74	3.28	31.31			P	V
		325.2	33.54	-12.46	46	40.87	20.5	3.43	31.26			P	V
		519.8	38.45	-7.55	46	40.91	24.36	4.13	30.95			P	V
		650	36.58	-9.42	46	36.85	25.9	4.59	30.76			P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<Ant. No. 1 Chain 1>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5648.4	56.44	-11.76	68.2	44.36	34.6	12.61	35.13	209	157	P	H
		5698.2	71.62	-32.25	103.87	59.49	34.6	12.67	35.14	209	157	P	H
		5720	80.4	-30.4	110.8	68.21	34.6	12.73	35.14	209	157	P	H
		5725	91.27	-30.93	122.2	79.08	34.6	12.73	35.14	209	157	P	H
	*	5745	117.98	-	-	105.74	34.6	12.79	35.15	209	157	P	H
	*	5745	110.04	-	-	97.8	34.6	12.79	35.15	209	157	A	H
													H
													H
		5604.2	51.79	-16.41	68.2	39.75	34.6	12.56	35.12	100	169	P	V
		5695.8	62.51	-39.59	102.1	50.38	34.6	12.67	35.14	100	169	P	V
		5718.8	71.68	-38.78	110.46	59.49	34.6	12.73	35.14	100	169	P	V
		5724	81.36	-38.56	119.92	69.17	34.6	12.73	35.14	100	169	P	V
	*	5745	108.07	-	-	95.83	34.6	12.79	35.15	100	169	P	V
	*	5745	100.19	-	-	87.95	34.6	12.79	35.15	100	169	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5640.6	53.52	-14.68	68.2	41.44	34.6	12.61	35.13	206	155	P	H
		5694	55.36	-45.42	100.78	43.23	34.6	12.67	35.14	206	155	P	H
		5716.6	60.93	-48.92	109.85	48.74	34.6	12.73	35.14	206	155	P	H
		5724.2	65.73	-54.65	120.38	53.54	34.6	12.73	35.14	206	155	P	H
	*	5785	117.46	-	-	105.17	34.6	12.85	35.16	206	155	P	H
	*	5785	109.36	-	-	97.07	34.6	12.85	35.16	206	155	A	H
		5853.2	59.27	-55.63	114.9	46.9	34.6	12.94	35.17	206	155	P	H
		5856.6	56.18	-54.17	110.35	43.81	34.6	12.94	35.17	206	155	P	H
		5879.2	52.39	-49.69	102.08	39.95	34.6	13.02	35.18	206	155	P	H
		5934.8	50.95	-17.25	68.2	38.44	34.6	13.11	35.2	206	155	P	H
													H
802.11a													H
CH 157		5612	51.12	-17.08	68.2	39.08	34.6	12.56	35.12	100	169	P	V
5785MHz		5696.8	52.89	-49.95	102.84	40.76	34.6	12.67	35.14	100	169	P	V
		5718.4	53.58	-56.77	110.35	41.39	34.6	12.73	35.14	100	169	P	V
		5724.8	55.11	-66.63	121.74	42.92	34.6	12.73	35.14	100	169	P	V
	*	5785	106.75	-	-	94.46	34.6	12.85	35.16	100	169	P	V
	*	5785	98.68	-	-	86.39	34.6	12.85	35.16	100	169	A	V
		5853.4	51.73	-62.72	114.45	39.36	34.6	12.94	35.17	100	169	P	V
		5859.8	50.58	-58.87	109.45	38.22	34.6	12.94	35.18	100	169	P	V
		5894	50.4	-40.7	91.1	37.97	34.6	13.02	35.19	100	169	P	V
		5940.6	49.95	-18.25	68.2	37.35	34.6	13.2	35.2	100	169	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	116.29	-	-	103.92	34.6	12.94	35.17	217	158	P	H
	*	5825	108.42	-	-	96.05	34.6	12.94	35.17	217	158	A	H
		5850	74.61	-47.59	122.2	62.24	34.6	12.94	35.17	217	158	P	H
		5864.2	72.68	-35.54	108.22	60.24	34.6	13.02	35.18	217	158	P	H
		5876.4	61.69	-42.47	104.16	49.25	34.6	13.02	35.18	217	158	P	H
		5948.2	50.81	-17.39	68.2	38.21	34.6	13.2	35.2	217	158	P	H
													H
802.11a													H
CH 165	*	5825	105.82	-	-	93.45	34.6	12.94	35.17	100	168	P	V
5825MHz	*	5825	97.9	-	-	85.53	34.6	12.94	35.17	100	168	A	V
		5851.6	64.53	-54.02	118.55	52.16	34.6	12.94	35.17	100	168	P	V
		5858.8	62.41	-47.32	109.73	50.05	34.6	12.94	35.18	100	168	P	V
		5875.6	53.53	-51.22	104.75	41.09	34.6	13.02	35.18	100	168	P	V
		5939.6	50.77	-17.43	68.2	38.26	34.6	13.11	35.2	100	168	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	46.9	-27.1	74	46.09	39.27	18.88	57.34	100	0	P	H
		17232	50.84	-17.36	68.2	40.83	42.43	23.38	55.8	100	0	P	H
													H
													H
		11490	45.2	-28.8	74	44.39	39.27	18.88	57.34	100	0	P	V
		17232	50	-18.2	68.2	39.99	42.43	23.38	55.8	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	46.35	-27.65	74	45.39	39.2	18.95	57.19	100	0	P	H
		17352	55.67	-12.53	68.2	45.78	42.24	23.45	55.8	100	0	P	H
													H
													H
		11570	46.13	-27.87	74	45.17	39.2	18.95	57.19	100	0	P	V
		17352	54.54	-13.66	68.2	44.65	42.24	23.45	55.8	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	47.88	-26.12	74	46.82	39.11	19.03	57.08	100	0	P	H
		17472	52.93	-15.27	68.2	43.16	42.05	23.52	55.8	100	0	P	H
													H
													H
		11650	46.32	-27.68	74	45.26	39.11	19.03	57.08	100	0	P	V
		17472	50.43	-17.77	68.2	40.66	42.05	23.52	55.8	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 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		31.62	28.9	-11.1	40	33.65	24.92	1.71	31.38			P	H
		95.88	35.06	-8.44	43.5	48.63	15.88	2.11	31.56			P	H
		293.79	33.34	-12.66	46	41.63	19.74	3.28	31.31			P	H
		300.7	33.63	-12.37	46	41.67	19.83	3.43	31.3			P	H
		519.8	39.37	-6.63	46	41.83	24.36	4.13	30.95	100	68	P	H
		930.7	34.94	-11.06	46	30.38	29.75	5.33	30.52			P	H
													H
													H
													H
													H
													H
													H
		31.35	35.5	-4.5	40	39.71	25.46	1.71	31.38	100	128	P	V
		215.76	31.5	-12	43.5	43.85	16.36	2.72	31.43			P	V
		295.95	32.43	-13.57	46	40.7	19.76	3.28	31.31			P	V
		325.2	35.38	-10.62	46	42.71	20.5	3.43	31.26			P	V
		519.8	37.88	-8.12	46	40.34	24.36	4.13	30.95			P	V
		650	35.35	-10.65	46	35.62	25.9	4.59	30.76			P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<Ant. No. 1 Chain 0+1

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5648.8	57.73	-10.47	68.2	45.65	34.6	12.61	35.13	100	220	P	H
		5697.2	74.45	-28.69	103.14	62.32	34.6	12.67	35.14	100	220	P	H
		5718.8	82.8	-27.66	110.46	70.61	34.6	12.73	35.14	100	220	P	H
		5724.8	91.54	-30.2	121.74	79.35	34.6	12.73	35.14	100	220	P	H
	*	5745	121.16	-	-	108.92	34.6	12.79	35.15	100	220	P	H
	*	5745	113.18	-	-	100.94	34.6	12.79	35.15	100	220	A	H
													H
													H
		5633.6	52.47	-15.73	68.2	40.39	34.6	12.61	35.13	100	172	P	V
		5697.6	60.58	-42.85	103.43	48.45	34.6	12.67	35.14	100	172	P	V
		5719.6	71.71	-38.98	110.69	59.52	34.6	12.73	35.14	100	172	P	V
		5724.2	80.81	-39.57	120.38	68.62	34.6	12.73	35.14	100	172	P	V
	*	5745	109.79	-	-	97.55	34.6	12.79	35.15	100	172	P	V
	*	5745	102	-	-	89.76	34.6	12.79	35.15	100	172	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647.4	54.63	-13.57	68.2	42.55	34.6	12.61	35.13	100	220	P	H
		5690.2	57.71	-40.26	97.97	45.58	34.6	12.67	35.14	100	220	P	H
		5716.4	65.29	-44.5	109.79	53.1	34.6	12.73	35.14	100	220	P	H
		5722.8	65.75	-51.43	117.18	53.56	34.6	12.73	35.14	100	220	P	H
	*	5785	121.11	-	-	108.82	34.6	12.85	35.16	100	220	P	H
	*	5785	113.02	-	-	100.73	34.6	12.85	35.16	100	220	A	H
		5851.4	61.56	-57.45	119.01	49.19	34.6	12.94	35.17	100	220	P	H
		5857.2	59.18	-51	110.18	46.81	34.6	12.94	35.17	100	220	P	H
		5877.6	53.71	-49.56	103.27	41.27	34.6	13.02	35.18	100	220	P	H
		5941	51.65	-16.55	68.2	39.05	34.6	13.2	35.2	100	220	P	H
													H
802.11a CH 157 5785MHz													H
		5632.4	51.89	-16.31	68.2	39.81	34.6	12.61	35.13	101	183	P	V
		5694.6	51.47	-49.75	101.22	39.34	34.6	12.67	35.14	101	183	P	V
		5716.6	54.47	-55.38	109.85	42.28	34.6	12.73	35.14	101	183	P	V
		5722.2	56.86	-58.96	115.82	44.67	34.6	12.73	35.14	101	183	P	V
	*	5785	108.72	-	-	96.43	34.6	12.85	35.16	101	183	P	V
	*	5785	101.17	-	-	88.88	34.6	12.85	35.16	101	183	A	V
		5850.6	52.85	-67.98	120.83	40.48	34.6	12.94	35.17	101	183	P	V
		5860.4	51.2	-58.09	109.29	38.76	34.6	13.02	35.18	101	183	P	V
		5878.6	50.87	-51.66	102.53	38.43	34.6	13.02	35.18	101	183	P	V
		5944.8	50.22	-17.98	68.2	37.62	34.6	13.2	35.2	101	183	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	119.98	-	-	107.61	34.6	12.94	35.17	100	218	P	H
	*	5825	112.06	-	-	99.69	34.6	12.94	35.17	100	218	A	H
		5851.6	80.42	-38.13	118.55	68.05	34.6	12.94	35.17	100	218	P	H
		5856	78.67	-31.85	110.52	66.3	34.6	12.94	35.17	100	218	P	H
		5876.2	69.44	-34.87	104.31	57	34.6	13.02	35.18	100	218	P	H
		5940	52.95	-15.25	68.2	40.44	34.6	13.11	35.2	100	218	P	H
													H
802.11a													H
CH 165	*	5825	110.55	-	-	98.18	34.6	12.94	35.17	102	131	P	V
5825MHz	*	5825	102.59	-	-	90.22	34.6	12.94	35.17	102	131	A	V
		5853	69.69	-45.67	115.36	57.32	34.6	12.94	35.17	102	131	P	V
		5858.8	67.12	-42.61	109.73	54.76	34.6	12.94	35.18	102	131	P	V
		5875.2	54.88	-50.17	105.05	42.44	34.6	13.02	35.18	102	131	P	V
		5935.4	49.85	-18.35	68.2	37.34	34.6	13.11	35.2	102	131	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	49.27	-24.73	74	48.46	39.27	18.88	57.34	100	0	P	H
		17232	50.63	-17.57	68.2	40.62	42.43	23.38	55.8	100	0	P	H
													H
													H
		11490	46.59	-27.41	74	45.78	39.27	18.88	57.34	100	0	P	V
		17232	50.36	-17.84	68.2	40.35	42.43	23.38	55.8	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	48.06	-25.94	74	47.1	39.2	18.95	57.19	100	0	P	H
		17352	50.93	-17.27	68.2	41.04	42.24	23.45	55.8	100	0	P	H
													H
													H
		11570	46.53	-27.47	74	45.57	39.2	18.95	57.19	100	0	P	V
		17352	50.52	-17.68	68.2	40.63	42.24	23.45	55.8	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	48.54	-25.46	74	47.48	39.11	19.03	57.08	100	0	P	H
		17472	50.12	-18.08	68.2	40.35	42.05	23.52	55.8	100	0	P	H
													H
													H
		11650	47.54	-26.46	74	46.48	39.11	19.03	57.08	100	0	P	V
		17472	50.45	-17.75	68.2	40.68	42.05	23.52	55.8	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 VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647.8	56.83	-11.37	68.2	44.75	34.6	12.61	35.13	100	226	P	H
		5699.6	75.67	-29.24	104.91	63.54	34.6	12.67	35.14	100	226	P	H
		5720	85.3	-25.5	110.8	73.11	34.6	12.73	35.14	100	226	P	H
		5724.8	95.29	-26.45	121.74	83.1	34.6	12.73	35.14	100	226	P	H
	*	5745	120.51	-	-	108.27	34.6	12.79	35.15	100	226	P	H
	*	5745	112.36	-	-	100.12	34.6	12.79	35.15	100	226	A	H
802.11ac													H
VHT20													H
CH 149		5609.2	51.56	-16.64	68.2	39.52	34.6	12.56	35.12	100	180	P	V
5745MHz		5699.4	63.87	-40.89	104.76	51.74	34.6	12.67	35.14	100	180	P	V
		5718.6	73.13	-37.28	110.41	60.94	34.6	12.73	35.14	100	180	P	V
		5721.2	80.46	-33.08	113.54	68.27	34.6	12.73	35.14	100	180	P	V
	*	5745	108.39	-	-	96.15	34.6	12.79	35.15	100	180	P	V
	*	5745	100.82	-	-	88.58	34.6	12.79	35.15	100	180	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5638	53.84	-14.36	68.2	41.76	34.6	12.61	35.13	100	219	P	H
		5700	57.75	-47.45	105.2	45.62	34.6	12.67	35.14	100	219	P	H
		5719.6	66.28	-44.41	110.69	54.09	34.6	12.73	35.14	100	219	P	H
		5723.6	68.78	-50.23	119.01	56.59	34.6	12.73	35.14	100	219	P	H
	*	5785	119.66	-	-	107.37	34.6	12.85	35.16	100	219	P	H
	*	5785	111.82	-	-	99.53	34.6	12.85	35.16	100	219	A	H
		5854.8	63.16	-48.1	111.26	50.79	34.6	12.94	35.17	100	219	P	H
		5857.6	62.11	-47.96	110.07	49.74	34.6	12.94	35.17	100	219	P	H
		5876	56.55	-47.91	104.46	44.11	34.6	13.02	35.18	100	219	P	H
		5926.6	52.32	-15.88	68.2	39.8	34.6	13.11	35.19	100	219	P	H
802.11ac													H
VHT20													H
CH 157		5649.6	51.9	-16.3	68.2	39.82	34.6	12.61	35.13	100	190	P	V
5785MHz		5677	51.64	-36.58	88.22	39.5	34.6	12.67	35.13	100	190	P	V
		5719.4	57.15	-53.48	110.63	44.96	34.6	12.73	35.14	100	190	P	V
		5722	56.06	-59.3	115.36	43.87	34.6	12.73	35.14	100	190	P	V
	*	5785	108.35	-	-	96.06	34.6	12.85	35.16	100	190	P	V
	*	5785	99.82	-	-	87.53	34.6	12.85	35.16	100	190	A	V
		5851	56.26	-63.66	119.92	43.89	34.6	12.94	35.17	100	190	P	V
		5856	52.23	-58.29	110.52	39.86	34.6	12.94	35.17	100	190	P	V
		5889	50.95	-43.86	94.81	38.52	34.6	13.02	35.19	100	190	P	V
		5931.4	50.19	-18.01	68.2	37.67	34.6	13.11	35.19	100	190	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	119.22	-	-	106.85	34.6	12.94	35.17	100	219	P	H
	*	5825	111	-	-	98.63	34.6	12.94	35.17	100	219	A	H
		5850.2	82.24	-39.5	121.74	69.87	34.6	12.94	35.17	100	219	P	H
		5855.8	77.46	-33.12	110.58	65.09	34.6	12.94	35.17	100	219	P	H
		5878.6	66.29	-36.24	102.53	53.85	34.6	13.02	35.18	100	219	P	H
		5947.6	53.27	-14.93	68.2	40.67	34.6	13.2	35.2	100	219	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	108.12	-	-	95.75	34.6	12.94	35.17	100	132	P	V
5825MHz	*	5825	100.53	-	-	88.16	34.6	12.94	35.17	100	132	A	V
		5854.2	68.02	-44.6	112.62	55.65	34.6	12.94	35.17	100	132	P	V
		5856	65.34	-45.18	110.52	52.97	34.6	12.94	35.17	100	132	P	V
		5877	56.7	-47.01	103.71	44.26	34.6	13.02	35.18	100	132	P	V
		5937.2	50.62	-17.58	68.2	38.11	34.6	13.11	35.2	100	132	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	45.88	-28.12	74	45.07	39.27	18.88	57.34	100	0	P	H
		17232	50.7	-17.5	68.2	40.69	42.43	23.38	55.8	100	0	P	H
802.11ac													H
VHT20													H
CH 149		11490	45.56	-28.44	74	44.75	39.27	18.88	57.34	100	0	P	V
5745MHz		17232	50.73	-17.47	68.2	40.72	42.43	23.38	55.8	100	0	P	V
													V
													V
		11570	46.44	-27.56	74	45.48	39.2	18.95	57.19	100	0	P	H
		17352	55.97	-12.23	68.2	46.08	42.24	23.45	55.8	100	0	P	H
802.11ac													H
VHT20													H
CH 157		11570	45.7	-28.3	74	44.74	39.2	18.95	57.19	100	0	P	V
5785MHz		17355	53.51	-14.69	68.2	43.62	42.24	23.45	55.8	100	0	P	V
													V
													V
		11650	50.04	-23.96	74	48.98	39.11	19.03	57.08	100	0	P	H
		17475	54.05	-14.15	68.2	44.28	42.05	23.52	55.8	100	0	P	H
802.11ac													H
VHT20													H
CH 165		11650	47.29	-26.71	74	46.23	39.11	19.03	57.08	100	0	P	V
5825MHz		17475	52.16	-16.04	68.2	42.39	42.05	23.52	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5648	65.31	-2.89	68.2	53.23	34.6	12.61	35.13	100	221	P	H
		5697.4	81.81	-21.47	103.28	69.68	34.6	12.67	35.14	100	221	P	H
		5720	95.26	-15.54	110.8	83.07	34.6	12.73	35.14	100	221	P	H
		5722.6	96.41	-20.32	116.73	84.22	34.6	12.73	35.14	100	221	P	H
	*	5755	117.18	-	-	104.94	34.6	12.79	35.15	100	221	P	H
	*	5755	109.21	-	-	96.97	34.6	12.79	35.15	100	221	A	H
		5852.8	63.49	-52.33	115.82	51.12	34.6	12.94	35.17	100	221	P	H
		5857.4	65.5	-44.63	110.13	53.13	34.6	12.94	35.17	100	221	P	H
		5875	59.27	-45.93	105.2	46.83	34.6	13.02	35.18	100	221	P	H
		5927.4	52.35	-15.85	68.2	39.83	34.6	13.11	35.19	100	221	P	H
802.11ac													H
VHT40													H
CH 151		5644.6	58.92	-9.28	68.2	46.84	34.6	12.61	35.13	100	177	P	V
5755MHz		5698.8	73.85	-30.47	104.32	61.72	34.6	12.67	35.14	100	177	P	V
		5718.6	85.21	-25.2	110.41	73.02	34.6	12.73	35.14	100	177	P	V
		5723.8	86.71	-32.75	119.46	74.52	34.6	12.73	35.14	100	177	P	V
	*	5755	106.79	-	-	94.55	34.6	12.79	35.15	100	177	P	V
	*	5755	99.5	-	-	87.26	34.6	12.79	35.15	100	177	A	V
		5850	52.39	-69.81	122.2	40.02	34.6	12.94	35.17	100	177	P	V
		5855.8	52.06	-58.52	110.58	39.69	34.6	12.94	35.17	100	177	P	V
		5875.6	50.73	-54.02	104.75	38.29	34.6	13.02	35.18	100	177	P	V
		5939.4	50.22	-17.98	68.2	37.71	34.6	13.11	35.2	100	177	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647	61.13	-7.07	68.2	49.05	34.6	12.61	35.13	100	222	P	H
		5697.6	67.83	-35.6	103.43	55.7	34.6	12.67	35.14	100	222	P	H
		5717.6	72.27	-37.86	110.13	60.08	34.6	12.73	35.14	100	222	P	H
		5725	75.38	-46.82	122.2	63.19	34.6	12.73	35.14	100	222	P	H
	*	5795	116.11	-	-	103.82	34.6	12.85	35.16	100	222	P	H
	*	5795	109.04	-	-	96.75	34.6	12.85	35.16	100	222	A	H
		5850.8	78.4	-41.98	120.38	66.03	34.6	12.94	35.17	100	222	P	H
		5855.4	76.59	-34.1	110.69	64.22	34.6	12.94	35.17	100	222	P	H
		5875	68.07	-37.13	105.2	55.63	34.6	13.02	35.18	100	222	P	H
		5949.8	53.91	-14.29	68.2	41.31	34.6	13.2	35.2	100	222	P	H
802.11ac													H
VHT40													H
CH 159		5644.4	53.09	-15.11	68.2	41.01	34.6	12.61	35.13	100	177	P	V
5795MHz		5698.8	58.14	-46.18	104.32	46.01	34.6	12.67	35.14	100	177	P	V
		5719.2	63.64	-46.94	110.58	51.45	34.6	12.73	35.14	100	177	P	V
		5724.6	65.87	-55.42	121.29	53.68	34.6	12.73	35.14	100	177	P	V
	*	5795	106.16	-	-	93.87	34.6	12.85	35.16	100	177	P	V
	*	5795	98.89	-	-	86.6	34.6	12.85	35.16	100	177	A	V
		5854	65.84	-47.24	113.08	53.47	34.6	12.94	35.17	100	177	P	V
		5858.4	64.24	-45.61	109.85	51.88	34.6	12.94	35.18	100	177	P	V
		5877.2	56.85	-46.72	103.57	44.41	34.6	13.02	35.18	100	177	P	V
		5939.2	50.89	-17.31	68.2	38.38	34.6	13.11	35.2	100	177	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	48.87	-25.13	74	47.95	39.3	18.92	57.3	100	0	P	H
		17265	53.4	-14.8	68.2	43.43	42.37	23.4	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 151		11510	47.05	-26.95	74	46.13	39.3	18.92	57.3	100	0	P	V
5755MHz		17265	51.03	-17.17	68.2	41.06	42.37	23.4	55.8	100	0	P	V
													V
													V
		11590	46.57	-27.43	74	45.56	39.18	18.99	57.16	100	0	P	H
		17385	52.23	-15.97	68.2	42.37	42.19	23.47	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	46.12	-27.88	74	45.11	39.18	18.99	57.16	100	0	P	V
5795MHz		17385	51.42	-16.78	68.2	41.56	42.19	23.47	55.8	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5648	64.67	-3.53	68.2	52.59	34.6	12.61	35.13	100	213	P	H
		5698.2	78.56	-25.31	103.87	66.43	34.6	12.67	35.14	100	213	P	H
		5718.6	80.54	-29.87	110.41	68.35	34.6	12.73	35.14	100	213	P	H
		5722	82.01	-33.35	115.36	69.82	34.6	12.73	35.14	100	213	P	H
	*	5775	109.83	-	-	97.6	34.6	12.79	35.16	100	213	P	H
	*	5775	102.05	-	-	89.82	34.6	12.79	35.16	100	213	A	H
		5850.4	78.22	-43.07	121.29	65.85	34.6	12.94	35.17	100	213	P	H
		5855.8	77.44	-33.14	110.58	65.07	34.6	12.94	35.17	100	213	P	H
		5876	73.35	-31.11	104.46	60.91	34.6	13.02	35.18	100	213	P	H
		5950	56.94	-11.26	68.2	44.34	34.6	13.2	35.2	100	213	P	H
802.11ac													H
VHT80													H
CH 155		5649.2	60.2	-8	68.2	48.12	34.6	12.61	35.13	100	177	P	V
5775MHz		5689.6	70.27	-27.26	97.53	58.14	34.6	12.67	35.14	100	177	P	V
		5714.8	73.18	-36.17	109.35	60.99	34.6	12.73	35.14	100	177	P	V
		5721.2	72.42	-41.12	113.54	60.23	34.6	12.73	35.14	100	177	P	V
	*	5775	98.43	-	-	86.2	34.6	12.79	35.16	100	177	P	V
	*	5775	91.89	-	-	79.66	34.6	12.79	35.16	100	177	A	V
		5851.6	66.96	-51.59	118.55	54.59	34.6	12.94	35.17	100	177	P	V
		5856	68.13	-42.39	110.52	55.76	34.6	12.94	35.17	100	177	P	V
		5876.4	60.34	-43.82	104.16	47.9	34.6	13.02	35.18	100	177	P	V
		5944	51.94	-16.26	68.2	39.34	34.6	13.2	35.2	100	177	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	46.67	-27.33	74	45.71	39.23	18.95	57.22	100	0	P	H
		17325	51.11	-17.09	68.2	41.19	42.29	23.43	55.8	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	45.75	-28.25	74	44.79	39.23	18.95	57.22	100	0	P	V
5775MHz		17325	51.07	-17.13	68.2	41.15	42.29	23.43	55.8	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	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		30	28.3	-11.7	40	31.94	26	1.71	31.35			P	H
		132.06	31.57	-11.93	43.5	42.52	18.24	2.34	31.53			P	H
		291.36	34.89	-11.11	46	43.21	19.71	3.28	31.31			P	H
		302.1	31.35	-14.65	46	39.34	19.88	3.43	31.3			P	H
		519.8	37.63	-8.37	46	40.09	24.36	4.13	30.95	100	91	P	H
		952.4	34.36	-11.64	46	29.26	30.21	5.4	30.51			P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT40		31.35	34.02	-5.98	40	38.23	25.46	1.71	31.38	100	133	P	V
LF		198.75	31.65	-11.85	43.5	44.43	15.95	2.72	31.45			P	V
		288.93	31.09	-14.91	46	39.47	19.66	3.28	31.32			P	V
		325.2	33.89	-12.11	46	41.22	20.5	3.43	31.26			P	V
		519.8	37.85	-8.15	46	40.31	24.36	4.13	30.95			P	V
		650	34.71	-11.29	46	34.98	25.9	4.59	30.76			P	V
													V
													V
													V
													V
													V
													V

Remark

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

<Ant. No. 2 Chain 0>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5638.8	52.59	-15.61	68.2	40.51	34.6	12.61	35.13	200	56	P	H
		5694.4	62.62	-38.45	101.07	50.49	34.6	12.67	35.14	200	56	P	H
		5720	76.02	-34.78	110.8	63.83	34.6	12.73	35.14	200	56	P	H
		5724.6	85.78	-35.51	121.29	73.59	34.6	12.73	35.14	200	56	P	H
	*	5745	111.37	-	-	99.13	34.6	12.79	35.15	200	56	P	H
	*	5745	102.36	-	-	90.12	34.6	12.79	35.15	200	56	A	H
													H
													H
		5607.6	52.35	-15.85	68.2	40.31	34.6	12.56	35.12	379	89	P	V
		5697.4	62.6	-40.68	103.28	50.47	34.6	12.67	35.14	379	89	P	V
		5719.4	76.25	-34.38	110.63	64.06	34.6	12.73	35.14	379	89	P	V
		5724.6	86.47	-34.82	121.29	74.28	34.6	12.73	35.14	379	89	P	V
	*	5745	110.81	-	-	98.57	34.6	12.79	35.15	379	89	P	V
	*	5745	102.33	-	-	90.09	34.6	12.79	35.15	379	89	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	111.9	-	-	99.53	34.6	12.94	35.17	380	37	P	H
	*	5825	103.22	-	-	90.85	34.6	12.94	35.17	380	37	A	H
		5850.8	73.49	-46.89	120.38	61.12	34.6	12.94	35.17	380	37	P	H
		5856.8	72.02	-38.28	110.3	59.65	34.6	12.94	35.17	380	37	P	H
		5877	57.37	-46.34	103.71	44.93	34.6	13.02	35.18	380	37	P	H
		5945.6	50.72	-17.48	68.2	38.12	34.6	13.2	35.2	380	37	P	H
													H
802.11a													H
CH 165	*	5825	110.38	-	-	98.01	34.6	12.94	35.17	380	87	P	V
5825MHz	*	5825	101.48	-	-	89.11	34.6	12.94	35.17	380	87	A	V
		5851.8	75.55	-42.55	118.1	63.18	34.6	12.94	35.17	380	87	P	V
		5855.4	69.62	-41.07	110.69	57.25	34.6	12.94	35.17	380	87	P	V
		5877.4	57.05	-46.37	103.42	44.61	34.6	13.02	35.18	380	87	P	V
		5938.4	50.6	-17.6	68.2	38.09	34.6	13.11	35.2	380	87	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		11570	46.89	-27.11	74	45.93	39.2	18.95	57.19	100	0	P	H
		17352	51.02	-17.18	68.2	41.13	42.24	23.45	55.8	100	0	P	H
													H
													H
		11570	45.89	-28.11	74	44.93	39.2	18.95	57.19	100	0	P	V
		17352	50.76	-17.44	68.2	40.87	42.24	23.45	55.8	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 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		42.69	31.21	-8.79	40	42.3	18.72	1.71	31.52			P	H
		196.05	32.55	-10.95	43.5	45.48	15.8	2.72	31.45			P	H
		275.7	35.83	-10.17	46	44.54	19.35	3.28	31.34			P	H
		389.6	33.52	-12.48	46	38.69	22.16	3.82	31.15			P	H
		519.8	39.87	-6.13	46	42.33	24.36	4.13	30.95	100	88	P	H
		949.6	35.67	-10.33	46	30.59	30.2	5.4	30.52			P	H
													H
													H
													H
													H
													H
													H
		30.27	34.59	-5.41	40	38.23	26	1.71	31.35			P	V
		55.11	34.86	-5.14	40	51.2	13.55	1.71	31.6	100	80	P	V
		132.06	35.23	-8.27	43.5	46.18	18.24	2.34	31.53			P	V
		390.3	34.51	-11.49	46	39.68	22.16	3.82	31.15			P	V
		519.8	36.68	-9.32	46	39.14	24.36	4.13	30.95			P	V
		974.8	35.39	-18.61	54	30.25	30.25	5.4	30.51			P	V
													V
													V
													V
													V
													V
													V

Remark

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

<Ant. No. 2 Chain 1>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5617.6	51.61	-16.59	68.2	39.57	34.6	12.56	35.12	100	140	P	H
		5699	57.67	-46.79	104.46	45.54	34.6	12.67	35.14	100	140	P	H
		5718.4	66.8	-43.55	110.35	54.61	34.6	12.73	35.14	100	140	P	H
		5724.2	81.07	-39.31	120.38	68.88	34.6	12.73	35.14	100	140	P	H
	*	5745	109.29	-	-	97.05	34.6	12.79	35.15	100	140	P	H
	*	5745	101.28	-	-	89.04	34.6	12.79	35.15	100	140	A	H
													H
													H
		5608.4	52.05	-16.15	68.2	40.01	34.6	12.56	35.12	355	111	P	V
		5700	55.83	-49.37	105.2	43.7	34.6	12.67	35.14	355	111	P	V
		5719.8	68.58	-42.16	110.74	56.39	34.6	12.73	35.14	355	111	P	V
		5724.8	80.04	-41.7	121.74	67.85	34.6	12.73	35.14	355	111	P	V
	*	5745	109.57	-	-	97.33	34.6	12.79	35.15	355	111	P	V
	*	5745	101.59	-	-	89.35	34.6	12.79	35.15	355	111	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	108.93	-	-	96.56	34.6	12.94	35.17	102	154	P	H
	*	5825	101.01	-	-	88.64	34.6	12.94	35.17	102	154	A	H
		5850.6	61.94	-58.89	120.83	49.57	34.6	12.94	35.17	102	154	P	H
		5864	59.11	-49.17	108.28	46.67	34.6	13.02	35.18	102	154	P	H
		5882	51.91	-48.09	100	39.47	34.6	13.02	35.18	102	154	P	H
		5926	50.15	-18.05	68.2	37.63	34.6	13.11	35.19	102	154	P	H
													H
802.11a													H
CH 165	*	5825	108.09	-	-	95.72	34.6	12.94	35.17	380	106	P	V
5825MHz	*	5825	100.14	-	-	87.77	34.6	12.94	35.17	380	106	A	V
		5850	60.57	-61.63	122.2	48.2	34.6	12.94	35.17	380	106	P	V
		5858.4	57.64	-52.21	109.85	45.28	34.6	12.94	35.18	380	106	P	V
		5880	50.7	-50.79	101.49	38.26	34.6	13.02	35.18	380	106	P	V
		5934.6	50.32	-17.88	68.2	37.81	34.6	13.11	35.2	380	106	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		11570	47.99	-26.01	74	47.03	39.2	18.95	57.19	100	0	P	H
		17355	56.91	-11.29	68.2	567.21	-500	23.45	33.75	100	0	P	H
													H
													H
		11570	47.96	-26.04	74	47	39.2	18.95	57.19	100	0	P	V
		17355	56.07	-12.13	68.2	46.18	42.24	23.45	55.8	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

Emission below 1GHz

5GHz WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		42.69	30.67	-9.33	40	41.76	18.72	1.71	31.52			P	H
		196.05	33.07	-10.43	43.5	46	15.8	2.72	31.45			P	H
		271.38	36.04	-9.96	46	44.72	19.38	3.28	31.34			P	H
		304.9	33.15	-12.85	46	41.08	19.93	3.43	31.29			P	H
		390.3	33.78	-12.22	46	38.95	22.16	3.82	31.15			P	H
		519.8	39.42	-6.58	46	41.88	24.36	4.13	30.95	100	88	P	H
													H
													H
													H
													H
													H
													H
		30.81	34.76	-5.24	40	38.95	25.46	1.71	31.36	100	22	P	V
		65.1	33.95	-6.05	40	51.08	12.35	2.11	31.59			P	V
		132.06	34.95	-8.55	43.5	45.9	18.24	2.34	31.53			P	V
		325.2	34.55	-11.45	46	41.88	20.5	3.43	31.26			P	V
		519.8	37.71	-8.29	46	40.17	24.36	4.13	30.95			P	V
		974.8	35.56	-18.44	54	30.42	30.25	5.4	30.51			P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<Ant. No. 2 Chain 0+1>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5645.4	55.89	-12.31	68.2	43.81	34.6	12.61	35.13	100	224	P	H
		5698.6	71.38	-32.79	104.17	59.25	34.6	12.67	35.14	100	224	P	H
		5716.8	81.12	-28.79	109.91	68.93	34.6	12.73	35.14	100	224	P	H
		5724.6	90.48	-30.81	121.29	78.29	34.6	12.73	35.14	100	224	P	H
	*	5745	120.35	-	-	108.11	34.6	12.79	35.15	100	224	P	H
	*	5745	112.05	-	-	99.81	34.6	12.79	35.15	100	224	A	H
													H
													H
		5630	51.21	-16.99	68.2	39.13	34.6	12.61	35.13	379	147	P	V
		5698.6	65.2	-38.97	104.17	53.07	34.6	12.67	35.14	379	147	P	V
		5720	75.78	-35.02	110.8	63.59	34.6	12.73	35.14	379	147	P	V
		5722.2	82.21	-33.61	115.82	70.02	34.6	12.73	35.14	379	147	P	V
	*	5745	113.03	-	-	100.79	34.6	12.79	35.15	379	147	P	V
	*	5745	104.76	-	-	92.52	34.6	12.79	35.15	379	147	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	119.23	-	-	106.86	34.6	12.94	35.17	100	224	P	H
	*	5825	111.05	-	-	98.68	34.6	12.94	35.17	100	224	A	H
		5852.2	74.02	-43.16	117.18	61.65	34.6	12.94	35.17	100	224	P	H
		5857	71.9	-38.34	110.24	59.53	34.6	12.94	35.17	100	224	P	H
		5875.8	64.65	-39.96	104.61	52.21	34.6	13.02	35.18	100	224	P	H
		5948.8	52.61	-15.59	68.2	40.01	34.6	13.2	35.2	100	224	P	H
													H
802.11a													H
CH 165	*	5825	112.72	-	-	100.35	34.6	12.94	35.17	380	174	P	V
5825MHz	*	5825	104.6	-	-	92.23	34.6	12.94	35.17	380	174	A	V
		5850	68.7	-53.5	122.2	56.33	34.6	12.94	35.17	380	174	P	V
		5856.6	64.47	-45.88	110.35	52.1	34.6	12.94	35.17	380	174	P	V
		5877.4	54.61	-48.81	103.42	42.17	34.6	13.02	35.18	380	174	P	V
		5936.4	51.06	-17.14	68.2	38.55	34.6	13.11	35.2	380	174	P	V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		11570	44.96	-29.04	74	44	39.2	18.95	57.19	100	0	P	H
		17355	53.04	-15.16	68.2	43.15	42.24	23.45	55.8	100	0	P	H
													H
													H
		11570	47.49	-26.51	74	46.53	39.2	18.95	57.19	100	0	P	V
		17355	55.84	-12.36	68.2	45.95	42.24	23.45	55.8	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 VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5640.6	55.96	-12.24	68.2	43.88	34.6	12.61	35.13	100	224	P	H
		5698.4	74.59	-29.43	104.02	62.46	34.6	12.67	35.14	100	224	P	H
		5719.8	83.79	-26.95	110.74	71.6	34.6	12.73	35.14	100	224	P	H
		5722.8	90.47	-26.71	117.18	78.28	34.6	12.73	35.14	100	224	P	H
	*	5745	119.79	-	-	107.55	34.6	12.79	35.15	100	224	P	H
	*	5745	111.14	-	-	98.9	34.6	12.79	35.15	100	224	A	H
802.11ac													H
VHT20													H
CH 149		5611.4	51.36	-16.84	68.2	39.32	34.6	12.56	35.12	379	147	P	V
5745MHz		5698.8	67.8	-36.52	104.32	55.67	34.6	12.67	35.14	379	147	P	V
		5720	78.92	-31.88	110.8	66.73	34.6	12.73	35.14	379	147	P	V
		5723.8	85.5	-33.96	119.46	73.31	34.6	12.73	35.14	379	147	P	V
	*	5745	112.81	-	-	100.57	34.6	12.79	35.15	379	147	P	V
	*	5745	104.12	-	-	91.88	34.6	12.79	35.15	379	147	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	118.5	-	-	106.13	34.6	12.94	35.17	100	226	P	H
	*	5825	109.93	-	-	97.56	34.6	12.94	35.17	100	226	A	H
		5850	79.6	-42.6	122.2	67.23	34.6	12.94	35.17	100	226	P	H
		5855.6	72.51	-38.12	110.63	60.14	34.6	12.94	35.17	100	226	P	H
		5875.2	61.3	-43.75	105.05	48.86	34.6	13.02	35.18	100	226	P	H
		5927	52.65	-15.55	68.2	40.13	34.6	13.11	35.19	100	226	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	112.45	-	-	100.08	34.6	12.94	35.17	380	168	P	V
5825MHz	*	5825	103.69	-	-	91.32	34.6	12.94	35.17	380	168	A	V
		5850.4	73.06	-48.23	121.29	60.69	34.6	12.94	35.17	380	168	P	V
		5855	63.59	-47.21	110.8	51.22	34.6	12.94	35.17	380	168	P	V
		5875.2	53.98	-51.07	105.05	41.54	34.6	13.02	35.18	380	168	P	V
		5935.8	50.73	-17.47	68.2	38.22	34.6	13.11	35.2	380	168	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 157 5785MHz		11570	45.99	-28.01	74	45.03	39.2	18.95	57.19	100	0	P	H
		17355	53.64	-14.56	68.2	43.75	42.24	23.45	55.8	100	0	P	H
													H
													H
		11570	46.53	-27.47	74	45.57	39.2	18.95	57.19	100	0	P	V
		17355	54.47	-13.73	68.2	44.58	42.24	23.45	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5648.6	64.93	-3.27	68.2	52.85	34.6	12.61	35.13	100	224	P	H
		5695.4	79.95	-21.86	101.81	67.82	34.6	12.67	35.14	100	224	P	H
		5713.4	92.13	-16.82	108.95	79.94	34.6	12.73	35.14	100	224	P	H
		5725	93.91	-28.29	122.2	81.72	34.6	12.73	35.14	100	224	P	H
	*	5755	117.08	-	-	104.84	34.6	12.79	35.15	100	224	P	H
	*	5755	108.48	-	-	96.24	34.6	12.79	35.15	100	224	A	H
		5850.2	62.12	-59.62	121.74	49.75	34.6	12.94	35.17	100	224	P	H
		5855	60.34	-50.46	110.8	47.97	34.6	12.94	35.17	100	224	P	H
		5883.8	56.28	-42.39	98.67	43.85	34.6	13.02	35.19	100	224	P	H
		5931.4	52.48	-15.72	68.2	39.96	34.6	13.11	35.19	100	224	P	H
802.11ac													H
VHT40													H
CH 151		5625.8	54.41	-13.79	68.2	42.32	34.6	12.61	35.12	379	147	P	V
5755MHz		5700	71.56	-33.64	105.2	59.43	34.6	12.67	35.14	379	147	P	V
		5719	86.13	-24.39	110.52	73.94	34.6	12.73	35.14	379	147	P	V
		5724.2	86.67	-33.71	120.38	74.48	34.6	12.73	35.14	379	147	P	V
	*	5755	110.16	-	-	97.92	34.6	12.79	35.15	379	147	P	V
	*	5755	101.7	-	-	89.46	34.6	12.79	35.15	379	147	A	V
		5852.8	57.9	-57.92	115.82	45.53	34.6	12.94	35.17	379	147	P	V
		5859.6	57.82	-51.69	109.51	45.46	34.6	12.94	35.18	379	147	P	V
		5887.8	52.36	-43.34	95.7	39.93	34.6	13.02	35.19	379	147	P	V
		5949.4	52.18	-16.02	68.2	39.58	34.6	13.2	35.2	379	147	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647.2	57.79	-10.41	68.2	45.71	34.6	12.61	35.13	100	225	P	H
		5697.4	67.67	-35.61	103.28	55.54	34.6	12.67	35.14	100	225	P	H
		5718.8	72.28	-38.18	110.46	60.09	34.6	12.73	35.14	100	225	P	H
		5723.2	73.37	-44.73	118.1	61.18	34.6	12.73	35.14	100	225	P	H
	*	5795	116.54	-	-	104.25	34.6	12.85	35.16	100	225	P	H
	*	5795	108.22	-	-	95.93	34.6	12.85	35.16	100	225	A	H
		5850.6	73.76	-47.07	120.83	61.39	34.6	12.94	35.17	100	225	P	H
		5856	72.41	-38.11	110.52	60.04	34.6	12.94	35.17	100	225	P	H
		5876.6	63.94	-40.07	104.01	51.5	34.6	13.02	35.18	100	225	P	H
		5927.8	56.58	-11.62	68.2	44.06	34.6	13.11	35.19	100	225	P	H
802.11ac													H
VHT40													H
CH 159		5644.8	51.66	-16.54	68.2	39.58	34.6	12.61	35.13	379	174	P	V
5795MHz		5689	58.35	-38.74	97.09	46.22	34.6	12.67	35.14	379	174	P	V
		5716	62.33	-47.35	109.68	50.14	34.6	12.73	35.14	379	174	P	V
		5725	63.34	-58.86	122.2	51.15	34.6	12.73	35.14	379	174	P	V
	*	5795	107.06	-	-	94.77	34.6	12.85	35.16	379	174	P	V
	*	5795	100.83	-	-	88.54	34.6	12.85	35.16	379	174	A	V
		5855	66.69	-44.11	110.8	54.32	34.6	12.94	35.17	379	174	P	V
		5855	66.69	-44.11	110.8	54.32	34.6	12.94	35.17	379	174	P	V
		5876.8	53.57	-50.29	103.86	41.13	34.6	13.02	35.18	379	174	P	V
		5927.4	52.47	-15.73	68.2	39.95	34.6	13.11	35.19	379	174	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	46.49	-27.51	74	45.57	39.3	18.92	57.3	100	0	P	H
		17265	51.94	-16.26	68.2	41.97	42.37	23.4	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 151		11510	48.02	-25.98	74	47.1	39.3	18.92	57.3	100	0	P	V
5755MHz		17265	52.57	-15.63	68.2	42.6	42.37	23.4	55.8	100	0	P	V
													V
													V
		11590	45.17	-28.83	74	44.16	39.18	18.99	57.16	100	0	P	H
		17385	51.58	-16.62	68.2	41.72	42.19	23.47	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	45.33	-28.67	74	44.32	39.18	18.99	57.16	100	0	P	V
5795MHz		17385	52.47	-15.73	68.2	42.61	42.19	23.47	55.8	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5637.4	66.8	-1.4	68.2	54.72	34.6	12.61	35.13	100	225	P	H
		5698.2	76.93	-26.94	103.87	64.8	34.6	12.67	35.14	100	225	P	H
		5720	80.73	-30.07	110.8	68.54	34.6	12.73	35.14	100	225	P	H
		5720.2	81.72	-29.54	111.26	69.53	34.6	12.73	35.14	100	225	P	H
	*	5775	110.97	-	-	98.74	34.6	12.79	35.16	100	225	P	H
	*	5775	102.47	-	-	90.24	34.6	12.79	35.16	100	225	A	H
		5852.2	73.95	-43.23	117.18	61.58	34.6	12.94	35.17	100	225	P	H
		5860.4	73.23	-36.06	109.29	60.79	34.6	13.02	35.18	100	225	P	H
		5875	68.51	-36.69	105.2	56.07	34.6	13.02	35.18	100	225	P	H
		5925.6	56.95	-11.25	68.2	44.43	34.6	13.11	35.19	100	225	P	H
802.11ac													H
VHT80													H
CH 155		5629	56.06	-12.14	68.2	43.98	34.6	12.61	35.13	318	176	P	V
5775MHz		5699.6	65.76	-39.15	104.91	53.63	34.6	12.67	35.14	318	176	P	V
		5716.4	67.41	-42.38	109.79	55.22	34.6	12.73	35.14	318	176	P	V
		5720.6	69.1	-43.07	112.17	56.91	34.6	12.73	35.14	318	176	P	V
	*	5775	103.2	-	-	90.97	34.6	12.79	35.16	318	176	P	V
	*	5775	94.86	-	-	82.63	34.6	12.79	35.16	318	176	A	V
		5853.4	57.01	-57.44	114.45	44.64	34.6	12.94	35.17	318	176	P	V
		5866	60.32	-47.4	107.72	47.88	34.6	13.02	35.18	318	176	P	V
		5881.2	58.42	-42.17	100.59	45.98	34.6	13.02	35.18	318	176	P	V
		5927.6	50.88	-17.32	68.2	38.36	34.6	13.11	35.19	318	176	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	45.36	-28.64	74	44.4	39.23	18.95	57.22	100	0	P	H
		17325	52.26	-15.94	68.2	42.34	42.29	23.43	55.8	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	46.36	-27.64	74	45.4	39.23	18.95	57.22	100	0	P	V
5775MHz		17325	50.88	-17.32	68.2	40.96	42.29	23.43	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		42.69	28.84	-11.16	40	39.93	18.72	1.71	31.52			P	H
		196.05	33.3	-10.2	43.5	46.23	15.8	2.72	31.45			P	H
		271.38	34.89	-11.11	46	43.57	19.38	3.28	31.34			P	H
		519.8	37.61	-8.39	46	40.07	24.36	4.13	30.95	100	78	P	H
		650	33.1	-12.9	46	33.37	25.9	4.59	30.76			P	H
		932.1	34.86	-11.14	46	30.27	29.78	5.33	30.52			P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		32.43	34.1	-5.9	40	39.4	24.38	1.71	31.39	100	247	P	V
LF		139.62	32.71	-10.79	43.5	43.89	18	2.34	31.52			P	V
		276.78	32.19	-13.81	46	40.91	19.34	3.28	31.34			P	V
		325.2	34.57	-11.43	46	41.9	20.5	3.43	31.26			P	V
		519.8	35.27	-10.73	46	37.73	24.36	4.13	30.95			P	V
		941.2	34.86	-11.14	46	29.99	29.99	5.4	30.52			P	V
													V
													V
													V
													V
													V
													V

Remark

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

<Ant. No. 4 Chain 0>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5639.4	54.38	-13.82	68.2	42.3	34.6	12.61	35.13	300	318	P	H
		5700	69.85	-35.35	105.2	57.72	34.6	12.67	35.14	300	318	P	H
		5718.8	80.69	-29.77	110.46	68.5	34.6	12.73	35.14	300	318	P	H
		5724.8	88.19	-33.55	121.74	76	34.6	12.73	35.14	300	318	P	H
	*	5745	114.87	-	-	102.63	34.6	12.79	35.15	300	318	P	H
	*	5745	105.87	-	-	93.63	34.6	12.79	35.15	300	318	A	H
													H
													H
		5631.4	52.02	-16.18	68.2	39.94	34.6	12.61	35.13	380	353	P	V
		5700	64.31	-40.89	105.2	52.18	34.6	12.67	35.14	380	353	P	V
		5716	74.78	-34.9	109.68	62.59	34.6	12.73	35.14	380	353	P	V
		5723.6	83.26	-35.75	119.01	71.07	34.6	12.73	35.14	380	353	P	V
	*	5745	110.07	-	-	97.83	34.6	12.79	35.15	380	353	P	V
	*	5745	101.09	-	-	88.85	34.6	12.79	35.15	380	353	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	114.44	-	-	102.07	34.6	12.94	35.17	300	321	P	H
	*	5825	105.54	-	-	93.17	34.6	12.94	35.17	300	321	A	H
		5853.4	78.52	-35.93	114.45	66.15	34.6	12.94	35.17	300	321	P	H
		5856	75.67	-34.85	110.52	63.3	34.6	12.94	35.17	300	321	P	H
		5875.2	65.85	-39.2	105.05	53.41	34.6	13.02	35.18	300	321	P	H
		5948	51.2	-17	68.2	38.6	34.6	13.2	35.2	300	321	P	H
													H
802.11a													H
CH 165	*	5825	109.02	-	-	96.65	34.6	12.94	35.17	379	350	P	V
5825MHz	*	5825	100.03	-	-	87.66	34.6	12.94	35.17	379	350	A	V
		5851.4	75.45	-43.56	119.01	63.08	34.6	12.94	35.17	379	350	P	V
		5856.6	74.18	-36.17	110.35	61.81	34.6	12.94	35.17	379	350	P	V
		5876.6	60.97	-43.04	104.01	48.53	34.6	13.02	35.18	379	350	P	V
		5931.4	50.05	-18.15	68.2	37.53	34.6	13.11	35.19	379	350	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		11570	47.33	-26.67	74	46.37	39.2	18.95	57.19	100	0	P	H
		17355	52.93	-15.27	68.2	43.04	42.24	23.45	55.8	100	0	P	H
													H
													H
		11570	47.36	-26.64	74	46.4	39.2	18.95	57.19	100	0	P	V
		17355	52.67	-15.53	68.2	42.78	42.24	23.45	55.8	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 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		65.1	32.25	-7.75	40	49.38	12.35	2.11	31.59	100	128	P	H
		186.87	33.04	-10.46	43.5	46.31	15.47	2.72	31.46			P	H
		287.85	31.08	-14.92	46	39.5	19.62	3.28	31.32			P	H
		519.8	37.47	-8.53	46	39.93	24.36	4.13	30.95			P	H
		650	35.38	-10.62	46	35.65	25.9	4.59	30.76			P	H
		945.4	35.13	-10.87	46	30.14	30.11	5.4	30.52			P	H
													H
													H
													H
													H
													H
													H
		31.62	35.86	-4.14	40	40.61	24.92	1.71	31.38			P	V
		187.41	32.81	-10.69	43.5	46.08	15.47	2.72	31.46			P	V
		260.04	31.44	-14.56	46	39.52	20	3.28	31.36			P	V
		325.2	37.43	-8.57	46	44.76	20.5	3.43	31.26			P	V
		519.8	41.99	-4.01	46	44.45	24.36	4.13	30.95	100	292	P	V
		949.6	35.54	-10.46	46	30.46	30.2	5.4	30.52			P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<Ant. No. 4 Chain 1>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5601.6	53.37	-14.83	68.2	41.32	34.6	12.56	35.11	380	308	P	H
		5698	65.59	-38.14	103.73	53.46	34.6	12.67	35.14	380	308	P	H
		5719.8	73.91	-36.83	110.74	61.72	34.6	12.73	35.14	380	308	P	H
		5724.2	82.78	-37.6	120.38	70.59	34.6	12.73	35.14	380	308	P	H
	*	5745	110.96	-	-	98.72	34.6	12.79	35.15	380	308	P	H
	*	5745	102.5	-	-	90.26	34.6	12.79	35.15	380	308	A	H
													H
													H
		5614.8	52.03	-16.17	68.2	39.99	34.6	12.56	35.12	380	12	P	V
		5698.8	63.39	-40.93	104.32	51.26	34.6	12.67	35.14	380	12	P	V
		5720	72.13	-38.67	110.8	59.94	34.6	12.73	35.14	380	12	P	V
		5723.6	80.86	-38.15	119.01	68.67	34.6	12.73	35.14	380	12	P	V
	*	5745	107.65	-	-	95.41	34.6	12.79	35.15	380	12	P	V
	*	5745	99.18	-	-	86.94	34.6	12.79	35.15	380	12	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	109.73	-	-	97.36	34.6	12.94	35.17	300	292	P	H
	*	5825	101.11	-	-	88.74	34.6	12.94	35.17	300	292	A	H
		5852.4	68.3	-48.43	116.73	55.93	34.6	12.94	35.17	300	292	P	H
		5855.6	68.01	-42.62	110.63	55.64	34.6	12.94	35.17	300	292	P	H
		5879.4	59.87	-42.06	101.93	47.43	34.6	13.02	35.18	300	292	P	H
		5945.4	50.52	-17.68	68.2	37.92	34.6	13.2	35.2	300	292	P	H
													H
802.11a													H
CH 165	*	5825	106.5	-	-	94.13	34.6	12.94	35.17	380	13	P	V
5825MHz	*	5825	98.15	-	-	85.78	34.6	12.94	35.17	380	13	A	V
		5853.2	65.85	-49.05	114.9	53.48	34.6	12.94	35.17	380	13	P	V
		5864	65.43	-42.85	108.28	52.99	34.6	13.02	35.18	380	13	P	V
		5875.6	55.99	-48.76	104.75	43.55	34.6	13.02	35.18	380	13	P	V
		5949.8	50.76	-17.44	68.2	38.16	34.6	13.2	35.2	380	13	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		11570	45.07	-28.93	74	44.11	39.2	18.95	57.19	100	0	P	H
		17355	53.69	-14.51	68.2	43.8	42.24	23.45	55.8	100	0	P	H
													H
													H
		11570	45.11	-28.89	74	44.15	39.2	18.95	57.19	100	0	P	V
		17355	55.02	-13.18	68.2	45.13	42.24	23.45	55.8	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 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		65.1	32.07	-7.93	40	49.2	12.35	2.11	31.59			P	H
		187.14	32.56	-10.94	43.5	45.83	15.47	2.72	31.46			P	H
		290.01	31.2	-14.8	46	39.53	19.7	3.28	31.31			P	H
		519.8	38.61	-7.39	46	41.07	24.36	4.13	30.95	100	134	P	H
		650	36.1	-9.9	46	36.37	25.9	4.59	30.76			P	H
		939.8	34.84	-11.16	46	30.07	29.96	5.33	30.52			P	H
													H
													H
													H
													H
													H
													H
		30.54	34.65	-5.35	40	38.84	25.46	1.71	31.36			P	V
		187.14	33.01	-10.49	43.5	46.28	15.47	2.72	31.46			P	V
		260.04	32.6	-13.4	46	40.68	20	3.28	31.36			P	V
		325.2	38.23	-7.77	46	45.56	20.5	3.43	31.26			P	V
		519.8	41.09	-4.91	46	43.55	24.36	4.13	30.95	100	276	P	V
		944	35.37	-10.63	46	30.43	30.06	5.4	30.52			P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<Ant. No. 4 Chain 0+1>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5630.8	54.79	-13.41	68.2	42.71	34.6	12.61	35.13	300	316	P	H
		5698.6	68.76	-35.41	104.17	56.63	34.6	12.67	35.14	300	316	P	H
		5717.2	79.88	-30.14	110.02	67.69	34.6	12.73	35.14	300	316	P	H
		5722	85.18	-30.18	115.36	72.99	34.6	12.73	35.14	300	316	P	H
	*	5745	116.22	-	-	103.98	34.6	12.79	35.15	300	316	P	H
	*	5745	108.11	-	-	95.87	34.6	12.79	35.15	300	316	A	H
													H
													H
		5632.6	52.46	-15.74	68.2	40.38	34.6	12.61	35.13	380	354	P	V
		5695.6	64.68	-37.28	101.96	52.55	34.6	12.67	35.14	380	354	P	V
		5714.6	74.65	-34.64	109.29	62.46	34.6	12.73	35.14	380	354	P	V
		5724.4	80.61	-40.22	120.83	68.42	34.6	12.73	35.14	380	354	P	V
	*	5745	113.06	-	-	100.82	34.6	12.79	35.15	380	354	P	V
	*	5745	104.72	-	-	92.48	34.6	12.79	35.15	380	354	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	114.92	-	-	102.55	34.6	12.94	35.17	300	317	P	H
	*	5825	106.8	-	-	94.43	34.6	12.94	35.17	300	317	A	H
		5853	68.88	-46.48	115.36	56.51	34.6	12.94	35.17	300	317	P	H
		5859	66.31	-43.37	109.68	53.95	34.6	12.94	35.18	300	317	P	H
		5875	55.31	-49.89	105.2	42.87	34.6	13.02	35.18	300	317	P	H
		5946.6	51.38	-16.82	68.2	38.78	34.6	13.2	35.2	300	317	P	H
													H
802.11a													H
CH 165	*	5825	108.69	-	-	96.32	34.6	12.94	35.17	380	354	P	V
5825MHz	*	5825	100.64	-	-	88.27	34.6	12.94	35.17	380	354	A	V
		5850.2	65.35	-56.39	121.74	52.98	34.6	12.94	35.17	380	354	P	V
		5856	62.15	-48.37	110.52	49.78	34.6	12.94	35.17	380	354	P	V
		5875.4	55.04	-49.86	104.9	42.6	34.6	13.02	35.18	380	354	P	V
		5942.2	50.92	-17.28	68.2	38.32	34.6	13.2	35.2	380	354	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		11570	46.35	-27.65	74	45.39	39.2	18.95	57.19	100	0	P	H
		17355	53.7	-14.5	68.2	43.81	42.24	23.45	55.8	100	0	P	H
													H
													H
		11570	45.29	-28.71	74	44.33	39.2	18.95	57.19	100	0	P	V
		17355	56.99	-11.21	68.2	47.1	42.24	23.45	55.8	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 VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647.6	54.92	-13.28	68.2	42.84	34.6	12.61	35.13	300	316	P	H
		5699	71.36	-33.1	104.46	59.23	34.6	12.67	35.14	300	316	P	H
		5719.4	79.46	-31.17	110.63	67.27	34.6	12.73	35.14	300	316	P	H
		5724.2	87.08	-33.3	120.38	74.89	34.6	12.73	35.14	300	316	P	H
	*	5745	115.71	-	-	103.47	34.6	12.79	35.15	300	316	P	H
	*	5745	107.13	-	-	94.89	34.6	12.79	35.15	300	316	A	H
802.11ac													H
VHT20													H
CH 149		5647.2	53.08	-15.12	68.2	41	34.6	12.61	35.13	380	355	P	V
5745MHz		5698.4	65.51	-38.51	104.02	53.38	34.6	12.67	35.14	380	355	P	V
		5720	76.1	-34.7	110.8	63.91	34.6	12.73	35.14	380	355	P	V
		5723.6	84.97	-34.04	119.01	72.78	34.6	12.73	35.14	380	355	P	V
	*	5745	112.5	-	-	100.26	34.6	12.79	35.15	380	355	P	V
	*	5745	103.81	-	-	91.57	34.6	12.79	35.15	380	355	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	114.65	-	-	102.28	34.6	12.94	35.17	300	317	P	H
	*	5825	106.05	-	-	93.68	34.6	12.94	35.17	300	317	A	H
		5850.4	74.33	-46.96	121.29	61.96	34.6	12.94	35.17	300	317	P	H
		5856	67.41	-43.11	110.52	55.04	34.6	12.94	35.17	300	317	P	H
		5876.4	57.96	-46.2	104.16	45.52	34.6	13.02	35.18	300	317	P	H
		5927.6	51.44	-16.76	68.2	38.92	34.6	13.11	35.19	300	317	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	109.82	-	-	97.45	34.6	12.94	35.17	379	354	P	V
5825MHz	*	5825	101.33	-	-	88.96	34.6	12.94	35.17	379	354	A	V
		5850.4	71.98	-49.31	121.29	59.61	34.6	12.94	35.17	379	354	P	V
		5855.2	63.48	-47.26	110.74	51.11	34.6	12.94	35.17	379	354	P	V
		5875.8	54.11	-50.5	104.61	41.67	34.6	13.02	35.18	379	354	P	V
		5934	50.14	-18.06	68.2	37.62	34.6	13.11	35.19	379	354	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	46.72	-27.28	74	45.76	39.2	18.95	57.19	100	0	P	H
		17352	53.69	-14.51	68.2	43.8	42.24	23.45	55.8	100	0	P	H
802.11ac													H
VHT20													H
CH 157		11570	45.04	-28.96	74	44.08	39.2	18.95	57.19	100	0	P	V
5785MHz		17352	55.04	-13.16	68.2	45.15	42.24	23.45	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5648.4	62.61	-5.59	68.2	50.53	34.6	12.61	35.13	300	317	P	H
		5697	77.54	-25.45	102.99	65.41	34.6	12.67	35.14	300	317	P	H
		5717.4	89.24	-20.83	110.07	77.05	34.6	12.73	35.14	300	317	P	H
		5723.2	89.71	-28.39	118.1	77.52	34.6	12.73	35.14	300	317	P	H
	*	5755	113.49	-	-	101.25	34.6	12.79	35.15	300	317	P	H
	*	5755	104.92	-	-	92.68	34.6	12.79	35.15	300	317	A	H
		5850	58.01	-64.19	122.2	45.64	34.6	12.94	35.17	300	317	P	H
		5856	58.01	-52.51	110.52	45.64	34.6	12.94	35.17	300	317	P	H
		5887.4	54.36	-41.63	95.99	41.93	34.6	13.02	35.19	300	317	P	H
		5940	51.4	-16.8	68.2	38.89	34.6	13.11	35.2	300	317	P	H
802.11ac													H
VHT40													H
CH 151		5648.6	60.77	-7.43	68.2	48.69	34.6	12.61	35.13	380	356	P	V
5755MHz		5697.4	71.61	-31.67	103.28	59.48	34.6	12.67	35.14	380	356	P	V
		5717.6	85.42	-24.71	110.13	73.23	34.6	12.73	35.14	380	356	P	V
		5723.2	86.21	-31.89	118.1	74.02	34.6	12.73	35.14	380	356	P	V
	*	5755	109.96	-	-	97.72	34.6	12.79	35.15	380	356	P	V
	*	5755	101.63	-	-	89.39	34.6	12.79	35.15	380	356	A	V
		5850	55.51	-66.69	122.2	43.14	34.6	12.94	35.17	380	356	P	V
		5857.6	53.71	-56.36	110.07	41.34	34.6	12.94	35.17	380	356	P	V
		5875.2	52.52	-52.53	105.05	40.08	34.6	13.02	35.18	380	356	P	V
		5942.2	50.4	-17.8	68.2	37.8	34.6	13.2	35.2	380	356	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5648.6	57.39	-10.81	68.2	45.31	34.6	12.61	35.13	300	318	P	H
		5681.6	62.03	-29.59	91.62	49.9	34.6	12.67	35.14	300	318	P	H
		5719.6	68.23	-42.46	110.69	56.04	34.6	12.73	35.14	300	318	P	H
		5724.2	71.39	-48.99	120.38	59.2	34.6	12.73	35.14	300	318	P	H
	*	5795	112.33	-	-	100.04	34.6	12.85	35.16	300	318	P	H
	*	5795	103.83	-	-	91.54	34.6	12.85	35.16	300	318	A	H
		5851.8	71.57	-46.53	118.1	59.2	34.6	12.94	35.17	300	318	P	H
		5856.2	71.88	-38.58	110.46	59.51	34.6	12.94	35.17	300	318	P	H
		5877.4	61.17	-42.25	103.42	48.73	34.6	13.02	35.18	300	318	P	H
		5942.8	52.62	-15.58	68.2	40.02	34.6	13.2	35.2	300	318	P	H
802.11ac													H
VHT40													H
CH 159		5647.2	55.01	-13.19	68.2	42.93	34.6	12.61	35.13	377	354	P	V
5795MHz		5696.2	60.45	-41.95	102.4	48.32	34.6	12.67	35.14	377	354	P	V
		5719	63.56	-46.96	110.52	51.37	34.6	12.73	35.14	377	354	P	V
		5723.4	64.77	-53.78	118.55	52.58	34.6	12.73	35.14	377	354	P	V
	*	5795	108.66	-	-	96.37	34.6	12.85	35.16	377	354	P	V
	*	5795	100.5	-	-	88.21	34.6	12.85	35.16	377	354	A	V
		5853	66.58	-48.78	115.36	54.21	34.6	12.94	35.17	377	354	P	V
		5858.4	68.04	-41.81	109.85	55.68	34.6	12.94	35.18	377	354	P	V
		5876.2	57.77	-46.54	104.31	45.33	34.6	13.02	35.18	377	354	P	V
		5942	51.02	-17.18	68.2	38.42	34.6	13.2	35.2	377	354	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	45.11	-28.89	74	44.19	39.3	18.92	57.3	100	0	P	H
		17268	51.31	-16.89	68.2	41.34	42.37	23.4	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 151		11510	45.05	-28.95	74	44.13	39.3	18.92	57.3	100	0	P	V
5755MHz		17268	52.09	-16.11	68.2	42.12	42.37	23.4	55.8	100	0	P	V
													V
													V
		11590	44.27	-29.73	74	43.26	39.18	18.99	57.16	100	0	P	H
		17388	50.82	-17.38	68.2	40.96	42.19	23.47	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	44.99	-29.01	74	43.98	39.18	18.99	57.16	100	0	P	V
5795MHz		17388	52.08	-16.12	68.2	42.22	42.19	23.47	55.8	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647.8	63.6	-4.6	68.2	51.52	34.6	12.61	35.13	300	318	P	H
		5698.6	72.91	-31.26	104.17	60.78	34.6	12.67	35.14	300	318	P	H
		5710.8	73.85	-34.38	108.23	61.66	34.6	12.73	35.14	300	318	P	H
		5721	74.02	-39.06	113.08	61.83	34.6	12.73	35.14	300	318	P	H
	*	5775	105.93	-	-	93.7	34.6	12.79	35.16	300	318	P	H
	*	5775	97.84	-	-	85.61	34.6	12.79	35.16	300	318	A	H
		5853	68.72	-46.64	115.36	56.35	34.6	12.94	35.17	300	318	P	H
		5860.2	67.96	-41.38	109.34	55.52	34.6	13.02	35.18	300	318	P	H
		5878.4	63.25	-39.42	102.67	50.81	34.6	13.02	35.18	300	318	P	H
		5927.2	52.47	-15.73	68.2	39.95	34.6	13.11	35.19	300	318	P	H
802.11ac													H
VHT80													H
CH 155		5648.2	59.78	-8.42	68.2	47.7	34.6	12.61	35.13	380	355	P	V
5775MHz		5697.6	68.23	-35.2	103.43	56.1	34.6	12.67	35.14	380	355	P	V
		5717.6	72.69	-37.44	110.13	60.5	34.6	12.73	35.14	380	355	P	V
		5720.8	70.73	-41.89	112.62	58.54	34.6	12.73	35.14	380	355	P	V
	*	5775	103.12	-	-	90.89	34.6	12.79	35.16	380	355	P	V
	*	5775	95.04	-	-	82.81	34.6	12.79	35.16	380	355	A	V
		5853.2	66.64	-48.26	114.9	54.27	34.6	12.94	35.17	380	355	P	V
		5857.8	64.4	-45.61	110.01	52.04	34.6	12.94	35.18	380	355	P	V
		5875.4	59.76	-45.14	104.9	47.32	34.6	13.02	35.18	380	355	P	V
		5928.4	51.66	-16.54	68.2	39.14	34.6	13.11	35.19	380	355	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	44.91	-29.09	74	43.95	39.23	18.95	57.22	100	0	P	H
		17328	50.41	-17.79	68.2	40.49	42.29	23.43	55.8	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	45.92	-28.08	74	44.96	39.23	18.95	57.22	100	0	P	V
5775MHz		17328	50.93	-17.27	68.2	41.01	42.29	23.43	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		65.1	32	-8	40	49.13	12.35	2.11	31.59			P	H
		187.14	32.77	-10.73	43.5	46.04	15.47	2.72	31.46			P	H
		287.04	34.34	-11.66	46	42.8	19.58	3.28	31.32			P	H
		519.8	39.13	-6.87	46	41.59	24.36	4.13	30.95	100	82	P	H
		650	34.57	-11.43	46	34.84	25.9	4.59	30.76			P	H
		957.3	35.01	-10.99	46	29.9	30.22	5.4	30.51			P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		31.08	34.21	-5.79	40	38.4	25.46	1.71	31.36			P	V
LF		187.14	33.08	-10.42	43.5	46.35	15.47	2.72	31.46			P	V
		260.04	31.67	-14.33	46	39.75	20	3.28	31.36			P	V
		325.2	37.98	-8.02	46	45.31	20.5	3.43	31.26			P	V
		519.8	42.82	-3.18	46	45.28	24.36	4.13	30.95	100	267	P	V
		955.9	34.98	-11.02	46	29.88	30.21	5.4	30.51			P	V
													V
													V
													V
													V
													V
													V

Remark

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

<For Sample 2>
<CDD Mode>
<Ant. No. 2 Chain 0+1>

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 155 5775MHz		5645.2	53.33	-14.87	68.2	40.95	34.9	12.61	35.13	100	287	P	H
		5687	58.95	-36.66	95.61	46.4	35.02	12.67	35.14	100	287	P	H
		5719	61.4	-49.12	110.52	48.72	35.09	12.73	35.14	100	287	P	H
		5724	61.5	-58.42	119.92	48.82	35.09	12.73	35.14	100	287	P	H
	*	5775	92.66	-	-	79.82	35.21	12.79	35.16	100	287	P	H
	*	5775	84.2	-	-	71.36	35.21	12.79	35.16	100	287	A	H
		5851.8	53.34	-64.76	118.1	40.21	35.36	12.94	35.17	100	287	P	H
		5861.8	53.83	-55.06	108.89	40.59	35.4	13.02	35.18	100	287	P	H
		5879.2	51.45	-50.63	102.08	38.18	35.43	13.02	35.18	100	287	P	H
		5948.8	50.8	-17.4	68.2	37.21	35.59	13.2	35.2	100	287	P	H
		5645	60.5	-7.7	68.2	48.12	34.9	12.61	35.13	300	45	P	V
		5699	69.43	-35.03	104.46	56.88	35.02	12.67	35.14	300	45	P	V
		5707.6	72.68	-34.65	107.33	60.03	35.06	12.73	35.14	300	45	P	V
		5724.8	71.65	-50.09	121.74	58.97	35.09	12.73	35.14	300	45	P	V
	*	5775	103.19	-	-	90.35	35.21	12.79	35.16	300	45	P	V
	*	5775	94.9	-	-	82.06	35.21	12.79	35.16	300	45	A	V
		5850	65.79	-56.41	122.2	52.66	35.36	12.94	35.17	300	45	P	V
		5857	65.6	-44.64	110.24	52.43	35.4	12.94	35.17	300	45	P	V
		5875	61.33	-43.87	105.2	48.06	35.43	13.02	35.18	300	45	P	V
		5929.2	52.38	-15.82	68.2	38.91	35.55	13.11	35.19	300	45	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	44.56	-29.44	74	44.7	38.13	18.95	57.22	100	0	P	H
		17325	49.9	-18.3	68.2	41.41	40.86	23.43	55.8	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	44.07	-29.93	74	44.21	38.13	18.95	57.22	100	0	P	V
5775MHz		17325	49.71	-18.49	68.2	41.22	40.86	23.43	55.8	100	0	P	V
													V
													V

Remark

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

<For Sample 3>
<CDD Mode>
<Ant. No. 2 Chain 0+1>

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 155 5775MHz		5648.4	63.44	-4.76	68.2	51.06	34.9	12.61	35.13	100	225	P	H
		5699.6	75.79	-29.12	104.91	63.24	35.02	12.67	35.14	100	225	P	H
		5712.8	73.53	-35.26	108.79	60.88	35.06	12.73	35.14	100	225	P	H
		5720	73.15	-37.65	110.8	60.47	35.09	12.73	35.14	100	225	P	H
	*	5775	107.15	-	-	94.31	35.21	12.79	35.16	100	225	P	H
	*	5775	98.84	-	-	86	35.21	12.79	35.16	100	225	A	H
		5852.8	67.99	-47.83	115.82	54.86	35.36	12.94	35.17	100	225	P	H
		5857.6	67.41	-42.66	110.07	54.24	35.4	12.94	35.17	100	225	P	H
		5880.6	62.46	-38.58	101.04	49.19	35.43	13.02	35.18	100	225	P	H
		5935.2	53.03	-15.17	68.2	39.57	35.55	13.11	35.2	100	225	P	H
		5640.4	57.61	-10.59	68.2	45.23	34.9	12.61	35.13	377	182	P	V
		5683.2	64.82	-27.98	92.8	52.31	34.98	12.67	35.14	377	182	P	V
		5718.6	58.91	-51.5	110.41	46.23	35.09	12.73	35.14	377	182	P	V
		5724.8	59.47	-62.27	121.74	46.79	35.09	12.73	35.14	377	182	P	V
	*	5775	103.38	-	-	90.54	35.21	12.79	35.16	377	182	P	V
	*	5775	95.37	-	-	82.53	35.21	12.79	35.16	377	182	A	V
		5850.8	52.5	-67.88	120.38	39.37	35.36	12.94	35.17	377	182	P	V
		5866.4	56.61	-51	107.61	43.37	35.4	13.02	35.18	377	182	P	V
		5877.8	55.05	-48.07	103.12	41.78	35.43	13.02	35.18	377	182	P	V
		5933.4	52.86	-15.34	68.2	39.39	35.55	13.11	35.19	377	182	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	44.6	-29.4	74	43.64	39.23	18.95	57.22	100	0	P	H
		17328	50.45	-17.75	68.2	40.53	42.29	23.43	55.8	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	44.77	-29.23	74	43.81	39.23	18.95	57.22	100	0	P	V
5775MHz		17328	50.76	-17.44	68.2	40.84	42.29	23.43	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

<For Sample 1>
<TXBF Mode>
<Ant. No. 1 Chain 0+1>

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5648.2	61.64	-6.56	68.2	49.56	34.6	12.61	35.13	100	220	P	H
		5699.2	76.06	-28.55	104.61	63.93	34.6	12.67	35.14	100	220	P	H
		5719.2	88.23	-22.35	110.58	76.04	34.6	12.73	35.14	100	220	P	H
		5725	99.59	-22.61	122.2	87.4	34.6	12.73	35.14	100	220	P	H
	*	5745	122.79	-	-	110.55	34.6	12.79	35.15	100	220	P	H
	*	5745	114.27	-	-	102.03	34.6	12.79	35.15	100	220	A	H
802.11ac													H
VHT20													H
CH 149		5649.8	53.46	-14.74	68.2	41.38	34.6	12.61	35.13	100	178	P	V
5745MHz		5696.2	65.09	-37.31	102.4	52.96	34.6	12.67	35.14	100	178	P	V
		5720	79.62	-31.18	110.8	67.43	34.6	12.73	35.14	100	178	P	V
		5725	86.34	-35.86	122.2	74.15	34.6	12.73	35.14	100	178	P	V
	*	5745	112.18	-	-	99.94	34.6	12.79	35.15	100	178	P	V
	*	5745	104.81	-	-	92.57	34.6	12.79	35.15	100	178	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5624.8	53.92	-14.28	68.2	41.83	34.6	12.61	35.12	100	237	P	H
		5699.6	59.6	-45.31	104.91	47.47	34.6	12.67	35.14	100	237	P	H
		5717.4	66.62	-43.45	110.07	54.43	34.6	12.73	35.14	100	237	P	H
		5723	67.67	-49.97	117.64	55.48	34.6	12.73	35.14	100	237	P	H
	*	5785	121.38	-	-	109.09	34.6	12.85	35.16	100	237	P	H
	*	5785	114.1	-	-	101.81	34.6	12.85	35.16	100	237	A	H
		5852.8	61.82	-54	115.82	49.45	34.6	12.94	35.17	100	237	P	H
		5855.2	61.25	-49.49	110.74	48.88	34.6	12.94	35.17	100	237	P	H
		5875.4	55.28	-49.62	104.9	42.84	34.6	13.02	35.18	100	237	P	H
		5928.4	51.6	-16.6	68.2	39.08	34.6	13.11	35.19	100	237	P	H
802.11ac													H
VHT20													H
CH 157		5616.4	52.22	-15.98	68.2	40.18	34.6	12.56	35.12	100	184	P	V
5785MHz		5687.8	52.65	-43.55	96.2	40.52	34.6	12.67	35.14	100	184	P	V
		5719.4	56.27	-54.36	110.63	44.08	34.6	12.73	35.14	100	184	P	V
		5722.8	56.95	-60.23	117.18	44.76	34.6	12.73	35.14	100	184	P	V
	*	5785	109.93	-	-	97.64	34.6	12.85	35.16	100	184	P	V
	*	5785	102.12	-	-	89.83	34.6	12.85	35.16	100	184	A	V
		5852.4	55.19	-61.54	116.73	42.82	34.6	12.94	35.17	100	184	P	V
		5864.2	54.9	-53.32	108.22	42.46	34.6	13.02	35.18	100	184	P	V
		5910.6	50.56	-28.26	78.82	38.04	34.6	13.11	35.19	100	184	P	V
		5926	50.19	-18.01	68.2	37.67	34.6	13.11	35.19	100	184	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	122.22	-	-	109.85	34.6	12.94	35.17	100	220	P	H
	*	5825	113.12	-	-	100.75	34.6	12.94	35.17	100	220	A	H
		5850.2	85.49	-36.25	121.74	73.12	34.6	12.94	35.17	100	220	P	H
		5855.8	81.47	-29.11	110.58	69.1	34.6	12.94	35.17	100	220	P	H
		5878.6	70	-32.53	102.53	57.56	34.6	13.02	35.18	100	220	P	H
		5925.4	54.4	-13.8	68.2	41.88	34.6	13.11	35.19	100	220	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	111.45	-	-	99.08	34.6	12.94	35.17	100	178	P	V
5825MHz	*	5825	103.08	-	-	90.71	34.6	12.94	35.17	100	178	A	V
		5850.6	73.79	-47.04	120.83	61.42	34.6	12.94	35.17	100	178	P	V
		5856.4	71.64	-38.77	110.41	59.27	34.6	12.94	35.17	100	178	P	V
		5881	61.21	-39.53	100.74	48.77	34.6	13.02	35.18	100	178	P	V
		5930.4	51.35	-16.85	68.2	38.83	34.6	13.11	35.19	100	178	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	47.95	-26.05	74	47.14	39.27	18.88	57.34	100	0	P	H
		17235	52.86	-15.34	68.2	42.85	42.43	23.38	55.8	100	0	P	H
802.11ac													H
VHT20													H
CH 149		11490	46.39	-27.61	74	45.58	39.27	18.88	57.34	100	0	P	V
5745MHz		17235	52.46	-15.74	68.2	42.45	42.43	23.38	55.8	100	0	P	V
													V
													V
		11570	46.4	-27.6	74	45.44	39.2	18.95	57.19	100	0	P	H
		17355	56.12	-12.08	68.2	46.23	42.24	23.45	55.8	100	0	P	H
802.11ac													H
VHT20													H
CH 157		11570	46.2	-27.8	74	45.24	39.2	18.95	57.19	100	0	P	V
5785MHz		17355	55.24	-12.96	68.2	45.35	42.24	23.45	55.8	100	0	P	V
													V
													V
		11650	47.84	-26.16	74	46.78	39.11	19.03	57.08	100	0	P	H
		17475	55.13	-13.07	68.2	45.36	42.05	23.52	55.8	100	0	P	H
802.11ac													H
VHT20													H
CH 165		11650	46.12	-27.88	74	45.06	39.11	19.03	57.08	100	0	P	V
5825MHz		17475	52.2	-16	68.2	42.43	42.05	23.52	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5649	66.28	-1.92	68.2	54.2	34.6	12.61	35.13	100	234	P	H
		5699.2	80.87	-23.74	104.61	68.74	34.6	12.67	35.14	100	234	P	H
		5717.2	95.49	-14.53	110.02	83.3	34.6	12.73	35.14	100	234	P	H
		5723.2	95.41	-22.69	118.1	83.22	34.6	12.73	35.14	100	234	P	H
	*	5755	117.37	-	-	105.13	34.6	12.79	35.15	100	234	P	H
	*	5755	110.04	-	-	97.8	34.6	12.79	35.15	100	234	A	H
		5853.4	65.33	-49.12	114.45	52.96	34.6	12.94	35.17	100	234	P	H
		5855.4	65.62	-45.07	110.69	53.25	34.6	12.94	35.17	100	234	P	H
		5880.2	58.46	-42.88	101.34	46.02	34.6	13.02	35.18	100	234	P	H
		5942.4	52.29	-15.91	68.2	39.69	34.6	13.2	35.2	100	234	P	H
802.11ac													H
VHT40													H
CH 151		5636	53.87	-14.33	68.2	41.79	34.6	12.61	35.13	100	58	P	V
5755MHz		5699.6	66.78	-38.13	104.91	54.65	34.6	12.67	35.14	100	58	P	V
		5719.4	79.15	-31.48	110.63	66.96	34.6	12.73	35.14	100	58	P	V
		5721.8	83.17	-31.73	114.9	70.98	34.6	12.73	35.14	100	58	P	V
	*	5755	104.48	-	-	92.24	34.6	12.79	35.15	100	58	P	V
	*	5755	98.43	-	-	86.19	34.6	12.79	35.15	100	58	A	V
		5852.6	54.09	-62.18	116.27	41.72	34.6	12.94	35.17	100	58	P	V
		5867	52.67	-54.77	107.44	40.23	34.6	13.02	35.18	100	58	P	V
		5876.2	51.2	-53.11	104.31	38.76	34.6	13.02	35.18	100	58	P	V
		5934.6	50.32	-17.88	68.2	37.81	34.6	13.11	35.2	100	58	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5635	63.1	-5.1	68.2	51.02	34.6	12.61	35.13	100	227	P	H
		5697.6	68.87	-34.56	103.43	56.74	34.6	12.67	35.14	100	227	P	H
		5719.8	80.53	-30.21	110.74	68.34	34.6	12.73	35.14	100	227	P	H
		5720	80.43	-30.37	110.8	68.24	34.6	12.73	35.14	100	227	P	H
	*	5795	117.23	-	-	104.94	34.6	12.85	35.16	100	227	P	H
	*	5795	110.55	-	-	98.26	34.6	12.85	35.16	100	227	A	H
		5850	82.76	-39.44	122.2	70.39	34.6	12.94	35.17	100	227	P	H
		5855.6	80.88	-29.75	110.63	68.51	34.6	12.94	35.17	100	227	P	H
		5877	72.94	-30.77	103.71	60.5	34.6	13.02	35.18	100	227	P	H
		5927.4	58.73	-9.47	68.2	46.21	34.6	13.11	35.19	100	227	P	H
802.11ac													H
VHT40													H
CH 159		5648	55.38	-12.82	68.2	43.3	34.6	12.61	35.13	100	176	P	V
5795MHz		5697.6	58.07	-45.36	103.43	45.94	34.6	12.67	35.14	100	176	P	V
		5720	66.87	-43.93	110.8	54.68	34.6	12.73	35.14	100	176	P	V
		5724.6	69.14	-52.15	121.29	56.95	34.6	12.73	35.14	100	176	P	V
	*	5795	105.16	-	-	92.87	34.6	12.85	35.16	100	176	P	V
	*	5795	98.8	-	-	86.51	34.6	12.85	35.16	100	176	A	V
		5851.2	68.98	-50.48	119.46	56.61	34.6	12.94	35.17	100	176	P	V
		5857.8	65.75	-44.26	110.01	53.39	34.6	12.94	35.18	100	176	P	V
		5883	60.83	-38.43	99.26	48.39	34.6	13.02	35.18	100	176	P	V
		5948.2	50.85	-17.35	68.2	38.25	34.6	13.2	35.2	100	176	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	46.17	-27.83	74	45.25	39.3	18.92	57.3	100	0	P	H
		17265	50.22	-17.98	68.2	40.25	42.37	23.4	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 151		11510	46.77	-27.23	74	45.85	39.3	18.92	57.3	100	0	P	V
5755MHz		17265	51.01	-17.19	68.2	41.04	42.37	23.4	55.8	100	0	P	V
													V
													V
		11590	46.49	-27.51	74	45.48	39.18	18.99	57.16	100	0	P	H
		17385	52.72	-15.48	68.2	42.86	42.19	23.47	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	45.51	-28.49	74	44.5	39.18	18.99	57.16	100	0	P	V
5795MHz		17385	52.07	-16.13	68.2	42.21	42.19	23.47	55.8	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5642.2	65.94	-2.26	68.2	53.86	34.6	12.61	35.13	100	228	P	H
		5700	81.57	-23.63	105.2	69.44	34.6	12.67	35.14	100	228	P	H
		5719.6	83.59	-27.1	110.69	71.4	34.6	12.73	35.14	100	228	P	H
		5720.2	83.44	-27.82	111.26	71.25	34.6	12.73	35.14	100	228	P	H
	*	5775	111.78	-	-	99.55	34.6	12.79	35.16	100	228	P	H
	*	5775	104.68	-	-	92.45	34.6	12.79	35.16	100	228	A	H
		5852.6	79.24	-37.03	116.27	66.87	34.6	12.94	35.17	100	228	P	H
		5856	76.19	-34.33	110.52	63.82	34.6	12.94	35.17	100	228	P	H
		5875.8	71.22	-33.39	104.61	58.78	34.6	13.02	35.18	100	228	P	H
		5934	57.74	-10.46	68.2	45.22	34.6	13.11	35.19	100	228	P	H
802.11ac													H
VHT80													H
CH 155		5649.4	59.3	-8.9	68.2	47.22	34.6	12.61	35.13	100	177	P	V
5775MHz		5698.6	68.89	-35.28	104.17	56.76	34.6	12.67	35.14	100	177	P	V
		5718.4	74.6	-35.75	110.35	62.41	34.6	12.73	35.14	100	177	P	V
		5722.8	70.01	-47.17	117.18	57.82	34.6	12.73	35.14	100	177	P	V
	*	5775	98.07	-	-	85.84	34.6	12.79	35.16	100	177	P	V
	*	5775	92.1	-	-	79.87	34.6	12.79	35.16	100	177	A	V
		5853.2	64.34	-50.56	114.9	51.97	34.6	12.94	35.17	100	177	P	V
		5862.6	65.65	-43.02	108.67	53.21	34.6	13.02	35.18	100	177	P	V
		5875	60.66	-44.54	105.2	48.22	34.6	13.02	35.18	100	177	P	V
		5948.4	51.44	-16.76	68.2	38.84	34.6	13.2	35.2	100	177	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	46.3	-27.7	74	45.34	39.23	18.95	57.22	100	0	P	H
		17325	51.66	-16.54	68.2	41.74	42.29	23.43	55.8	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	46.55	-27.45	74	45.59	39.23	18.95	57.22	100	0	P	V
5775MHz		17325	51.16	-17.04	68.2	41.24	42.29	23.43	55.8	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	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		31.62	28.18	-11.82	40	32.93	24.92	1.71	31.38			P	H
		95.88	32.31	-11.19	43.5	45.88	15.88	2.11	31.56			P	H
		294.33	35.66	-10.34	46	43.94	19.75	3.28	31.31			P	H
		519.8	37.54	-8.46	46	40	24.36	4.13	30.95	100	84	P	H
		650	31.97	-14.03	46	32.24	25.9	4.59	30.76			P	H
		957.3	34.25	-11.75	46	29.14	30.22	5.4	30.51			P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT40		31.62	35.31	-4.69	40	40.06	24.92	1.71	31.38	100	137	P	V
LF		198.75	33.91	-9.59	43.5	46.69	15.95	2.72	31.45			P	V
		288.93	30.08	-15.92	46	38.46	19.66	3.28	31.32			P	V
		325.2	35.4	-10.6	46	42.73	20.5	3.43	31.26			P	V
		519.8	37.58	-8.42	46	40.04	24.36	4.13	30.95			P	V
		650	35.4	-10.6	46	35.67	25.9	4.59	30.76			P	V
													V
													V
													V
													V
													V
													V

Remark

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

<For Sample 1>
<TXBF Mode>
<Ant. No. 2 Chain 0+1>

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5616.4	51.15	-17.05	68.2	39.11	34.6	12.56	35.12	221	115	P	H
		5698.2	52.41	-51.46	103.87	40.28	34.6	12.67	35.14	221	115	P	H
		5720	68.38	-42.42	110.8	56.19	34.6	12.73	35.14	221	115	P	H
		5725	74.37	-47.83	122.2	62.18	34.6	12.73	35.14	221	115	P	H
	*	5745	102.45	-	-	90.21	34.6	12.79	35.15	221	115	P	H
	*	5745	94.91	-	-	82.67	34.6	12.79	35.15	221	115	A	H
802.11ac													H
VHT20													H
CH 149		5624.8	52.74	-15.46	68.2	40.65	34.6	12.61	35.12	100	351	P	V
5745MHz		5699.2	65.47	-39.14	104.61	53.34	34.6	12.67	35.14	100	351	P	V
		5720	84.53	-26.27	110.8	72.34	34.6	12.73	35.14	100	351	P	V
		5724.4	88.73	-32.1	120.83	76.54	34.6	12.73	35.14	100	351	P	V
	*	5745	115.05	-	-	102.81	34.6	12.79	35.15	100	351	P	V
	*	5745	108.52	-	-	96.28	34.6	12.79	35.15	100	351	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	101.12	-	-	88.75	34.6	12.94	35.17	220	115	P	H
	*	5825	92.92	-	-	80.55	34.6	12.94	35.17	220	115	A	H
		5850.4	61.12	-60.17	121.29	48.75	34.6	12.94	35.17	220	115	P	H
		5861.4	55.37	-53.64	109.01	42.93	34.6	13.02	35.18	220	115	P	H
		5888.4	51.23	-44.02	95.25	38.8	34.6	13.02	35.19	220	115	P	H
		5943.6	49.84	-18.36	68.2	37.24	34.6	13.2	35.2	220	115	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	115.78	-	-	103.41	34.6	12.94	35.17	246	3	P	V
5825MHz	*	5825	106.92	-	-	94.55	34.6	12.94	35.17	246	3	A	V
		5850.4	79.32	-41.97	121.29	66.95	34.6	12.94	35.17	246	3	P	V
		5857	76.02	-34.22	110.24	63.65	34.6	12.94	35.17	246	3	P	V
		5875.6	63.31	-41.44	104.75	50.87	34.6	13.02	35.18	246	3	P	V
		5928.6	52.64	-15.56	68.2	40.12	34.6	13.11	35.19	246	3	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	45.89	-28.11	74	44.93	39.2	18.95	57.19	100	0	P	H
		17355	50.31	-17.89	68.2	40.42	42.24	23.45	55.8	100	0	P	H
802.11ac													H
VHT20													H
CH 157		11570	44.84	-29.16	74	43.88	39.2	18.95	57.19	100	0	P	V
5785MHz		17355	51.64	-16.56	68.2	41.75	42.24	23.45	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5606.6	52.1	-16.1	68.2	40.06	34.6	12.56	35.12	153	150	P	H
		5699.6	58.14	-46.77	104.91	46.01	34.6	12.67	35.14	153	150	P	H
		5720	73.86	-36.94	110.8	61.67	34.6	12.73	35.14	153	150	P	H
		5724.2	76.04	-44.34	120.38	63.85	34.6	12.73	35.14	153	150	P	H
	*	5755	101.62	-	-	89.38	34.6	12.79	35.15	153	150	P	H
	*	5755	95.28	-	-	83.04	34.6	12.79	35.15	153	150	A	H
		5852.2	49.81	-67.37	117.18	37.44	34.6	12.94	35.17	153	150	P	H
		5869.6	49.32	-57.39	106.71	36.88	34.6	13.02	35.18	153	150	P	H
		5901.6	50.01	-35.47	85.48	37.49	34.6	13.11	35.19	153	150	P	H
		5929.4	49.99	-18.21	68.2	37.47	34.6	13.11	35.19	153	150	P	H
802.11ac													H
VHT40													H
CH 151		5626.4	55.97	-12.23	68.2	43.88	34.6	12.61	35.12	246	3	P	V
5755MHz		5697	71.03	-31.96	102.99	58.9	34.6	12.67	35.14	246	3	P	V
		5719.6	83.13	-27.56	110.69	70.94	34.6	12.73	35.14	246	3	P	V
		5722.4	82.85	-33.42	116.27	70.66	34.6	12.73	35.14	246	3	P	V
	*	5755	112.88	-	-	100.64	34.6	12.79	35.15	246	3	P	V
	*	5755	103.97	-	-	91.73	34.6	12.79	35.15	246	3	A	V
		5851.6	55.97	-62.58	118.55	43.6	34.6	12.94	35.17	246	3	P	V
		5859.4	53.48	-56.09	109.57	41.12	34.6	12.94	35.18	246	3	P	V
		5907.8	53.09	-27.8	80.89	40.57	34.6	13.11	35.19	246	3	P	V
		5947.2	50.74	-17.46	68.2	38.14	34.6	13.2	35.2	246	3	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5624.6	51.74	-16.46	68.2	39.65	34.6	12.61	35.12	300	285	P	H
		5668.4	52.21	-29.64	81.85	40.07	34.6	12.67	35.13	300	285	P	H
		5716.8	53.58	-56.33	109.91	41.39	34.6	12.73	35.14	300	285	P	H
		5721.4	55.58	-58.41	113.99	43.39	34.6	12.73	35.14	300	285	P	H
	*	5795	99.85	-	-	87.56	34.6	12.85	35.16	300	285	P	H
	*	5795	91.78	-	-	79.49	34.6	12.85	35.16	300	285	A	H
		5850.8	63.68	-56.7	120.38	51.31	34.6	12.94	35.17	300	285	P	H
		5862.8	60.04	-48.57	108.61	47.6	34.6	13.02	35.18	300	285	P	H
		5877.8	50.33	-52.79	103.12	37.89	34.6	13.02	35.18	300	285	P	H
		5936.6	50.89	-17.31	68.2	38.38	34.6	13.11	35.2	300	285	P	H
802.11ac													H
VHT40													H
CH 159		5621.2	54.32	-13.88	68.2	42.23	34.6	12.61	35.12	200	8	P	V
5795MHz		5687.4	61.19	-34.72	95.91	49.06	34.6	12.67	35.14	200	8	P	V
		5720	67.35	-43.45	110.8	55.16	34.6	12.73	35.14	200	8	P	V
		5724.2	70.69	-49.69	120.38	58.5	34.6	12.73	35.14	200	8	P	V
	*	5795	112.83	-	-	100.54	34.6	12.85	35.16	200	8	P	V
	*	5795	103.6	-	-	91.31	34.6	12.85	35.16	200	8	A	V
		5852.6	71.2	-45.07	116.27	58.83	34.6	12.94	35.17	200	8	P	V
		5858.6	71.42	-38.37	109.79	59.06	34.6	12.94	35.18	200	8	P	V
		5879	62.67	-39.56	102.23	50.23	34.6	13.02	35.18	200	8	P	V
		5942.4	53.66	-14.54	68.2	41.06	34.6	13.2	35.2	200	8	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	45.8	-28.2	74	44.88	39.3	18.92	57.3	100	0	P	H
		17265	50.23	-17.97	68.2	40.26	42.37	23.4	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 151		11510	45.91	-28.09	74	44.99	39.3	18.92	57.3	100	0	P	V
5755MHz		17265	50.45	-17.75	68.2	40.48	42.37	23.4	55.8	100	0	P	V
													V
													V
		11590	44.61	-29.39	74	43.6	39.18	18.99	57.16	100	0	P	H
		17385	50.58	-17.62	68.2	40.72	42.19	23.47	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	44.96	-29.04	74	43.95	39.18	18.99	57.16	100	0	P	V
5795MHz		17385	50.63	-17.57	68.2	40.77	42.19	23.47	55.8	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5628.6	51.71	-16.49	68.2	39.63	34.6	12.61	35.13	300	283	P	H
		5688.2	60.14	-36.36	96.5	48.01	34.6	12.67	35.14	300	283	P	H
		5705.4	58.04	-48.67	106.71	45.85	34.6	12.73	35.14	300	283	P	H
		5721	60.08	-53	113.08	47.89	34.6	12.73	35.14	300	283	P	H
	*	5775	92.91	-	-	80.68	34.6	12.79	35.16	300	283	P	H
	*	5775	85.49	-	-	73.26	34.6	12.79	35.16	300	283	A	H
		5854.8	56.86	-54.4	111.26	44.49	34.6	12.94	35.17	300	283	P	H
		5855.6	55.6	-55.03	110.63	43.23	34.6	12.94	35.17	300	283	P	H
		5886	50.45	-46.58	97.03	38.02	34.6	13.02	35.19	300	283	P	H
		5927.8	49.65	-18.55	68.2	37.13	34.6	13.11	35.19	300	283	P	H
802.11ac													H
VHT80													H
CH 155		5632.8	57.28	-10.92	68.2	45.2	34.6	12.61	35.13	300	106	P	V
5775MHz		5683.4	73.98	-18.97	92.95	61.85	34.6	12.67	35.14	300	106	P	V
		5705.8	71.45	-35.38	106.83	59.26	34.6	12.73	35.14	300	106	P	V
		5722.2	71.62	-44.2	115.82	59.43	34.6	12.73	35.14	300	106	P	V
	*	5775	106.56	-	-	94.33	34.6	12.79	35.16	300	106	P	V
	*	5775	99.41	-	-	87.18	34.6	12.79	35.16	300	106	A	V
		5854	64.94	-48.14	113.08	52.57	34.6	12.94	35.17	300	106	P	V
		5857.6	71.34	-38.73	110.07	58.97	34.6	12.94	35.17	300	106	P	V
		5878	58.4	-44.57	102.97	45.96	34.6	13.02	35.18	300	106	P	V
		5942.8	49.86	-18.34	68.2	37.26	34.6	13.2	35.2	300	106	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	44.93	-29.07	74	43.97	39.23	18.95	57.22	100	0	P	H
		17325	51.27	-16.93	68.2	41.35	42.29	23.43	55.8	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	44.96	-29.04	74	44	39.23	18.95	57.22	100	0	P	V
5775MHz		17325	50.92	-17.28	68.2	41	42.29	23.43	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		30.54	28.47	-11.53	40	32.66	25.46	1.71	31.36				H
		195.51	32.49	-11.01	43.5	45.43	15.8	2.72	31.46				H
		276.24	35.56	-10.44	46	44.28	19.34	3.28	31.34				H
		519.8	38.09	-7.91	46	40.55	24.36	4.13	30.95	100	78		H
		650	33.12	-12.88	46	33.39	25.9	4.59	30.76				H
		956.6	34.52	-11.48	46	29.42	30.21	5.4	30.51				H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		65.1	33.71	-6.29	40	50.84	12.35	2.11	31.59	100	289		V
LF		150.69	34.14	-9.36	43.5	45.32	17.7	2.62	31.5				V
		276.51	32.32	-13.68	46	41.04	19.34	3.28	31.34				V
		325.2	36.07	-9.93	46	43.4	20.5	3.43	31.26				V
		519.8	36.92	-9.08	46	39.38	24.36	4.13	30.95				V
		953.8	34.97	-11.03	46	29.87	30.21	5.4	30.51				V
													V
													V
													V
													V
													V
													V

Remark

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

<For Sample 1>
<TXBF Mode>
<Ant. No. 4 Chain 0+1>

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5641	57.38	-10.82	68.2	45.3	34.6	12.61	35.13	300	319	P	H
		5699.8	71.38	-33.67	105.05	59.25	34.6	12.67	35.14	300	319	P	H
		5719.6	85.64	-25.05	110.69	73.45	34.6	12.73	35.14	300	319	P	H
		5724.2	93.8	-26.58	120.38	81.61	34.6	12.73	35.14	300	319	P	H
	*	5745	118.34	-	-	106.1	34.6	12.79	35.15	300	319	P	H
	*	5745	110.41	-	-	98.17	34.6	12.79	35.15	300	319	A	H
802.11ac													H
VHT20													H
CH 149		5645.6	53.64	-14.56	68.2	41.56	34.6	12.61	35.13	380	358	P	V
5745MHz		5699.4	65.36	-39.4	104.76	53.23	34.6	12.67	35.14	380	358	P	V
		5719.2	78.6	-31.98	110.58	66.41	34.6	12.73	35.14	380	358	P	V
		5723.4	88.31	-30.24	118.55	76.12	34.6	12.73	35.14	380	358	P	V
	*	5745	113.63	-	-	101.39	34.6	12.79	35.15	380	358	P	V
	*	5745	105.29	-	-	93.05	34.6	12.79	35.15	380	358	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	118.56	-	-	106.19	34.6	12.94	35.17	335	322	P	H
	*	5825	111.11	-	-	98.74	34.6	12.94	35.17	335	322	A	H
		5850	84.74	-37.46	122.2	72.37	34.6	12.94	35.17	335	322	P	H
		5856.4	76.49	-33.92	110.41	64.12	34.6	12.94	35.17	335	322	P	H
		5875.8	65.65	-38.96	104.61	53.21	34.6	13.02	35.18	335	322	P	H
		5929.2	51.61	-16.59	68.2	39.09	34.6	13.11	35.19	335	322	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	113.07	-	-	100.7	34.6	12.94	35.17	380	358	P	V
5825MHz	*	5825	104.7	-	-	92.33	34.6	12.94	35.17	380	358	A	V
		5850.2	79.73	-42.01	121.74	67.36	34.6	12.94	35.17	380	358	P	V
		5857	74.07	-36.17	110.24	61.7	34.6	12.94	35.17	380	358	P	V
		5882.4	61.26	-38.44	99.7	48.82	34.6	13.02	35.18	380	358	P	V
		5927.6	50.85	-17.35	68.2	38.33	34.6	13.11	35.19	380	358	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	45.8	-28.2	74	44.84	39.2	18.95	57.19	100	0	P	H
		17352	51.76	-16.44	68.2	41.87	42.24	23.45	55.8	100	0	P	H
802.11ac													H
VHT20													H
CH 157		11570	45.79	-28.21	74	44.83	39.2	18.95	57.19	100	0	P	V
5785MHz		17352	52.16	-16.04	68.2	42.27	42.24	23.45	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5642.2	58.42	-9.78	68.2	46.34	34.6	12.61	35.13	306	291	P	H
		5697.6	76.05	-27.38	103.43	63.92	34.6	12.67	35.14	306	291	P	H
		5711.6	84.77	-23.68	108.45	72.58	34.6	12.73	35.14	306	291	P	H
		5725	84.17	-38.03	122.2	71.98	34.6	12.73	35.14	306	291	P	H
	*	5755	115.13	-	-	102.89	34.6	12.79	35.15	306	291	P	H
	*	5755	108.08	-	-	95.84	34.6	12.79	35.15	306	291	A	H
		5852	56.72	-60.92	117.64	44.35	34.6	12.94	35.17	306	291	P	H
		5870.4	54.95	-51.54	106.49	42.51	34.6	13.02	35.18	306	291	P	H
		5878	54.25	-48.72	102.97	41.81	34.6	13.02	35.18	306	291	P	H
		5935.6	51.25	-16.95	68.2	38.74	34.6	13.11	35.2	306	291	P	H
802.11ac													H
VHT40													H
CH 151		5637.4	56.36	-11.84	68.2	44.28	34.6	12.61	35.13	380	358	P	V
5755MHz		5696.6	69.06	-33.63	102.69	56.93	34.6	12.67	35.14	380	358	P	V
		5718	84.79	-25.45	110.24	72.6	34.6	12.73	35.14	380	358	P	V
		5721.8	84.28	-30.62	114.9	72.09	34.6	12.73	35.14	380	358	P	V
	*	5755	111.46	-	-	99.22	34.6	12.79	35.15	380	358	P	V
	*	5755	101.76	-	-	89.52	34.6	12.79	35.15	380	358	A	V
		5852.2	52.26	-64.92	117.18	39.89	34.6	12.94	35.17	380	358	P	V
		5868	53.2	-53.96	107.16	40.76	34.6	13.02	35.18	380	358	P	V
		5886.8	50.96	-45.48	96.44	38.53	34.6	13.02	35.19	380	358	P	V
		5932.4	49.72	-18.48	68.2	37.2	34.6	13.11	35.19	380	358	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647.8	57.65	-10.55	68.2	45.57	34.6	12.61	35.13	300	315	P	H
		5700	69.09	-36.11	105.2	56.96	34.6	12.67	35.14	300	315	P	H
		5716.8	70.9	-39.01	109.91	58.71	34.6	12.73	35.14	300	315	P	H
		5723	76.06	-41.58	117.64	63.87	34.6	12.73	35.14	300	315	P	H
	*	5795	115.36	-	-	103.07	34.6	12.85	35.16	300	315	P	H
	*	5795	107.57	-	-	95.28	34.6	12.85	35.16	300	315	A	H
		5851	81.08	-38.84	119.92	68.71	34.6	12.94	35.17	300	315	P	H
		5855.2	76.13	-34.61	110.74	63.76	34.6	12.94	35.17	300	315	P	H
		5875	70.69	-34.51	105.2	58.25	34.6	13.02	35.18	300	315	P	H
		5931.6	55.27	-12.93	68.2	42.75	34.6	13.11	35.19	300	315	P	H
802.11ac													H
VHT40													H
CH 159		5645.4	54.22	-13.98	68.2	42.14	34.6	12.61	35.13	380	352	P	V
5795MHz		5696.6	59.02	-43.67	102.69	46.89	34.6	12.67	35.14	380	352	P	V
		5718	67.41	-42.83	110.24	55.22	34.6	12.73	35.14	380	352	P	V
		5721.6	66.11	-48.34	114.45	53.92	34.6	12.73	35.14	380	352	P	V
	*	5795	112.61	-	-	100.32	34.6	12.85	35.16	380	352	P	V
	*	5795	103.88	-	-	91.59	34.6	12.85	35.16	380	352	A	V
		5853.4	74.61	-39.84	114.45	62.24	34.6	12.94	35.17	380	352	P	V
		5858.8	70.98	-38.75	109.73	58.62	34.6	12.94	35.18	380	352	P	V
		5877.8	65.95	-37.17	103.12	53.51	34.6	13.02	35.18	380	352	P	V
		5936.6	51.98	-16.22	68.2	39.47	34.6	13.11	35.2	380	352	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	46.92	-27.08	74	46	39.3	18.92	57.3	100	0	P	H
		17268	52.51	-15.69	68.2	42.54	42.37	23.4	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 151		11510	47.55	-26.45	74	46.63	39.3	18.92	57.3	100	0	P	V
5755MHz		17268	51.59	-16.61	68.2	41.62	42.37	23.4	55.8	100	0	P	V
													V
													V
		11590	46.67	-27.33	74	45.66	39.18	18.99	57.16	100	0	P	H
		17388	51.38	-16.82	68.2	41.52	42.19	23.47	55.8	100	0	P	H
802.11ac													H
VHT40													H
CH 159		11590	46.35	-27.65	74	45.34	39.18	18.99	57.16	100	0	P	V
5795MHz		17388	51.96	-16.24	68.2	42.1	42.19	23.47	55.8	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5638.2	63.11	-5.09	68.2	51.03	34.6	12.61	35.13	300	315	P	H
		5698.6	76.22	-27.95	104.17	64.09	34.6	12.67	35.14	300	315	P	H
		5706.6	79.28	-27.77	107.05	67.09	34.6	12.73	35.14	300	315	P	H
		5721.2	78.53	-35.01	113.54	66.34	34.6	12.73	35.14	300	315	P	H
	*	5775	112.53	-	-	100.3	34.6	12.79	35.16	300	315	P	H
	*	5775	107.14	-	-	94.91	34.6	12.79	35.16	300	315	A	H
		5854	72.7	-40.38	113.08	60.33	34.6	12.94	35.17	300	315	P	H
		5856.4	71.23	-39.18	110.41	58.86	34.6	12.94	35.17	300	315	P	H
		5876.6	64.44	-39.57	104.01	52	34.6	13.02	35.18	300	315	P	H
		5946.8	53.66	-14.54	68.2	41.06	34.6	13.2	35.2	300	315	P	H
802.11ac													H
VHT80													H
CH 155		5633.8	59.38	-8.82	68.2	47.3	34.6	12.61	35.13	380	358	P	V
5775MHz		5698.2	71.92	-31.95	103.87	59.79	34.6	12.67	35.14	380	358	P	V
		5717.8	73.65	-36.53	110.18	61.46	34.6	12.73	35.14	380	358	P	V
		5720.8	72.32	-40.3	112.62	60.13	34.6	12.73	35.14	380	358	P	V
	*	5775	108.5	-	-	96.27	34.6	12.79	35.16	380	358	P	V
	*	5775	101.91	-	-	89.68	34.6	12.79	35.16	380	358	A	V
		5855	67.07	-43.73	110.8	54.7	34.6	12.94	35.17	380	358	P	V
		5856.2	67.48	-42.98	110.46	55.11	34.6	12.94	35.17	380	358	P	V
		5878.4	62.81	-39.86	102.67	50.37	34.6	13.02	35.18	380	358	P	V
		5945.6	50.52	-17.68	68.2	37.92	34.6	13.2	35.2	380	358	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	47.86	-26.14	74	46.9	39.23	18.95	57.22	100	0	P	H
		17328	52.29	-15.91	68.2	42.37	42.29	23.43	55.8	100	0	P	H
802.11ac													H
VHT80													H
CH 155		11550	46.31	-27.69	74	45.35	39.23	18.95	57.22	100	0	P	V
5775MHz		17328	51.91	-16.29	68.2	41.99	42.29	23.43	55.8	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		65.1	30.94	-9.06	40	48.07	12.35	2.11	31.59			P	H
		187.14	33.02	-10.48	43.5	46.29	15.47	2.72	31.46			P	H
		285.96	33.52	-12.48	46	42.02	19.54	3.28	31.32			P	H
		519.8	37.59	-8.41	46	40.05	24.36	4.13	30.95	100	66	P	H
		650	35.44	-10.56	46	35.71	25.9	4.59	30.76			P	H
		922.3	34.42	-11.58	46	30.07	29.54	5.33	30.52			P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		31.62	34.17	-5.83	40	38.92	24.92	1.71	31.38			P	V
LF		186.87	33.26	-10.24	43.5	46.53	15.47	2.72	31.46			P	V
		287.58	31.3	-14.7	46	39.72	19.62	3.28	31.32			P	V
		325.2	38.22	-7.78	46	45.55	20.5	3.43	31.26			P	V
		519.8	42.12	-3.88	46	44.58	24.36	4.13	30.95	100	274	P	V
		650	36.71	-9.29	46	36.98	25.9	4.59	30.76			P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

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

1. Level(dBµV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 55.45 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 55.45(dBµV/m) – 74(dBµV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 43.54 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 43.54(dBµV/m) – 54(dBµV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission Plots

Test Engineer :	Jesse Wang, James Chiu, Potter Liu	**Temperature :**	22~26°C
		Relative Humidity :	52~58%

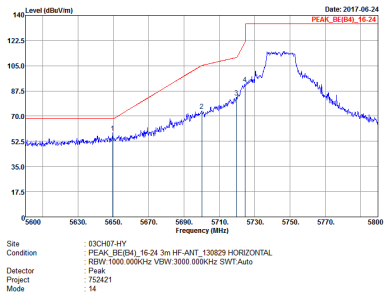
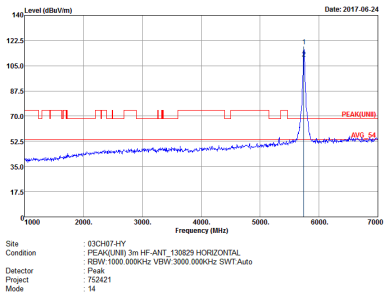
Note symbol

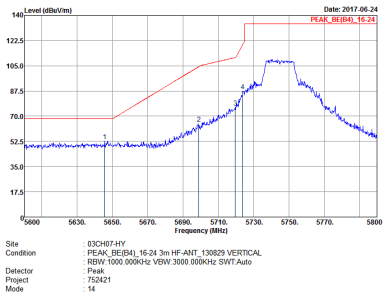
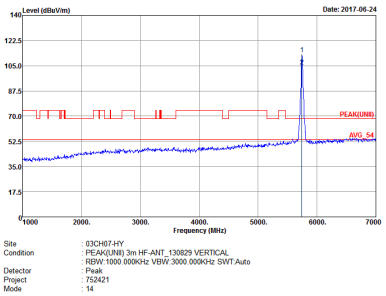
-L	**Low channel location**
-R	**High channel location**

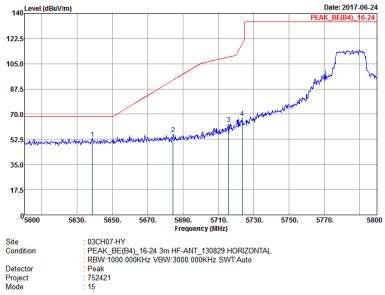
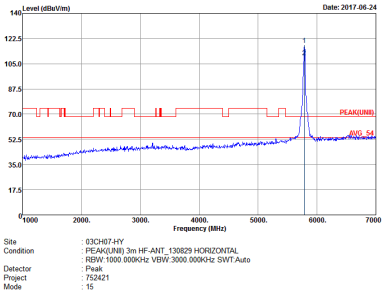
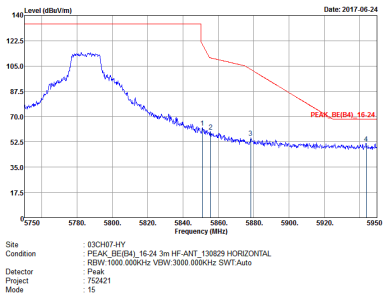
<For Sample 1>
<CDD Mode>
<Ant. No. 1 Chain 0>

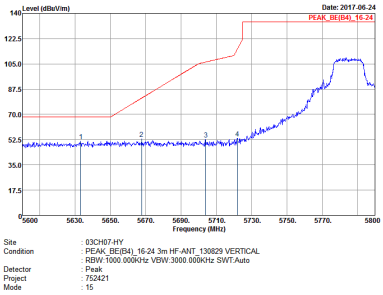
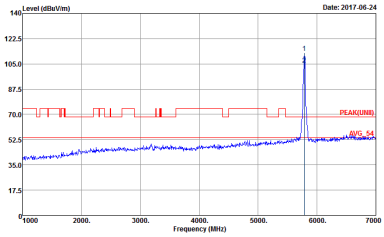
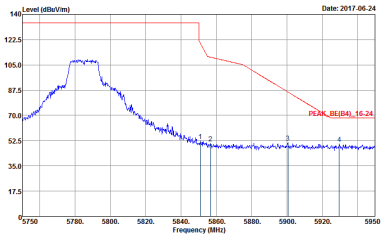
Band 4 - 5725~5850MHz

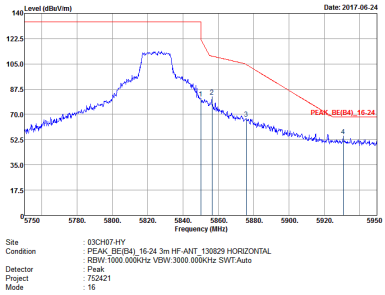
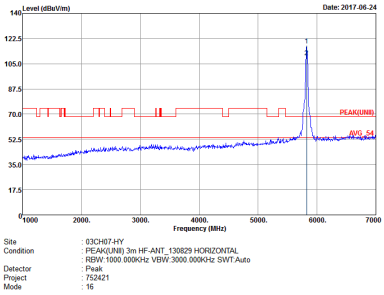
WIFI 802.11a (Band Edge @ 3m)

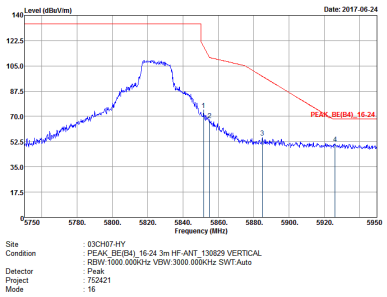
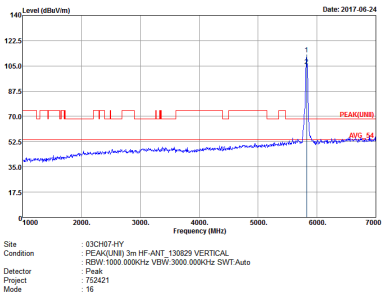
WIFI	**Band 4 5725~5850MHz Band Edge @ 3m**	
	802.11a CH149 5745MHz	
	Horizontal	**Fundamental**
Peak		

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH157 5785MHz	
	Horizontal	Fundamental
Peak		
Peak		Left blank

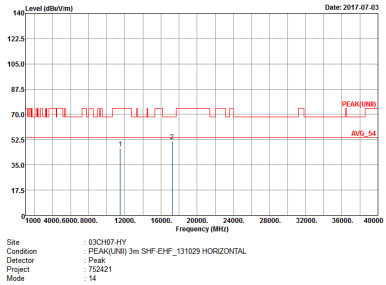
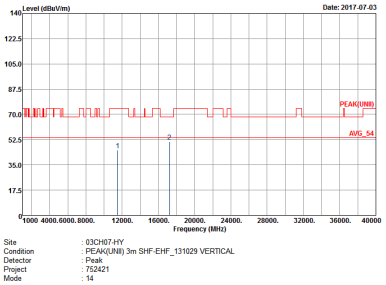
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH157 5785MHz	
	Vertical	Fundamental
Peak		
Peak		Left blank

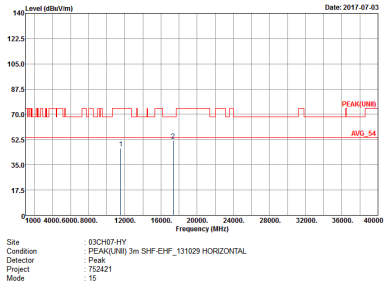
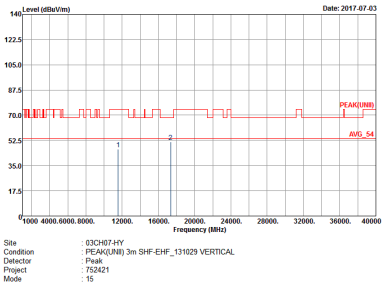
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH165 5825MHz	
	Horizontal	Fundamental
Peak		

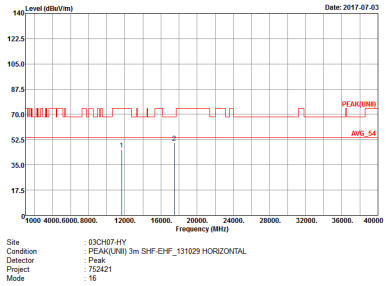
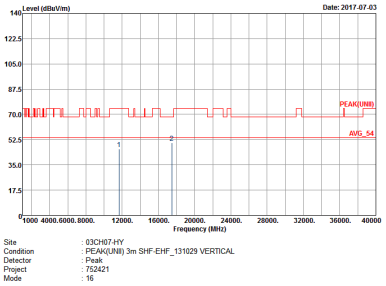
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH165 5825MHz	
	Vertical	Fundamental
Peak		

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

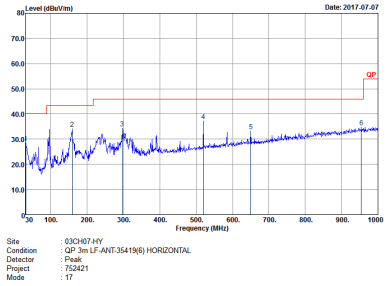
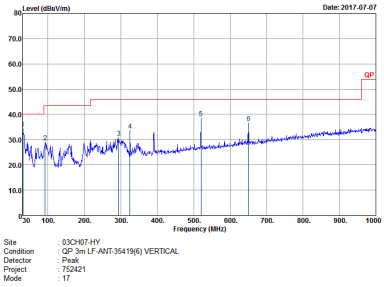
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
	802.11a CH149 5745MHz	
	Horizontal	Vertical
Peak Avg.		

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

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

Emission below 1GHz

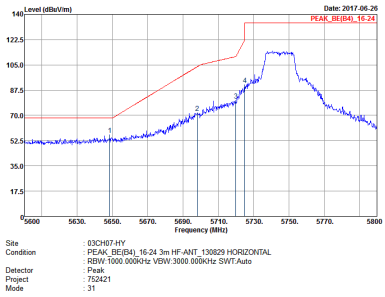
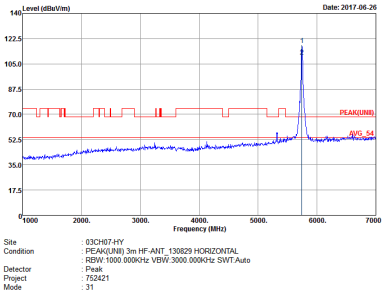
5GHz WIFI 802.11a (LF)

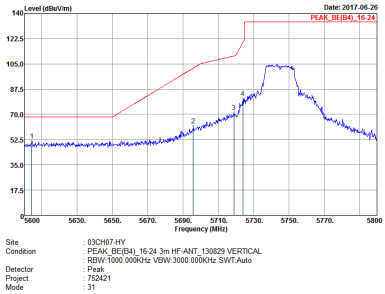
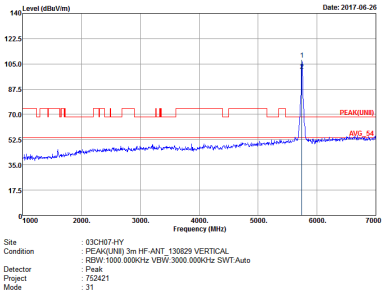
WIFI	5GHz 5725~5850MHz	
	802.11a LF	
	Horizontal	Vertical
QP / Peak		

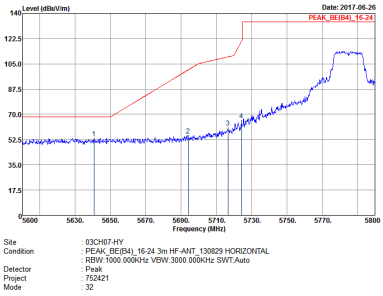
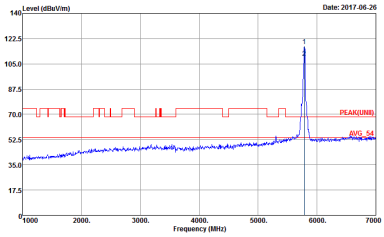
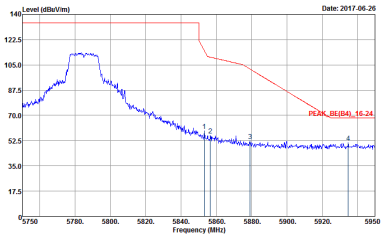
<Ant. No. 1 Chain 1>

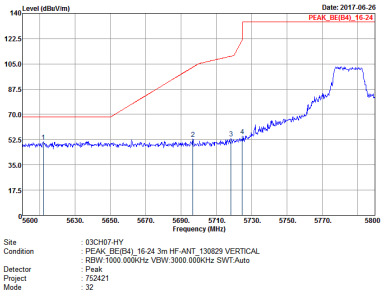
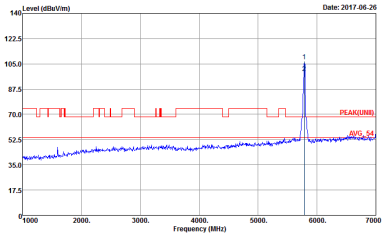
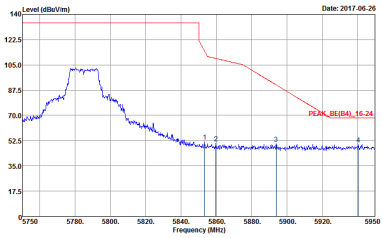
Band 4 - 5725~5850MHz

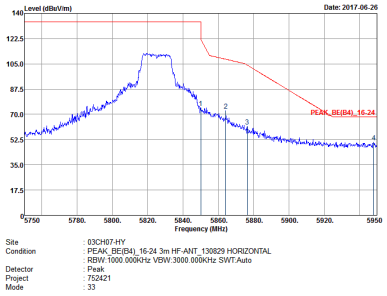
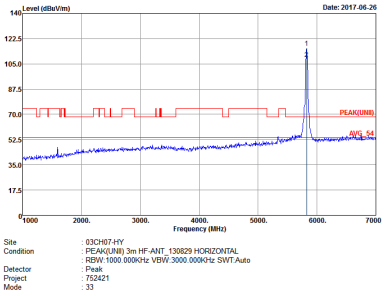
WIFI 802.11a (Band Edge @ 3m)

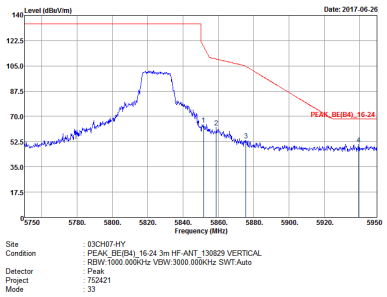
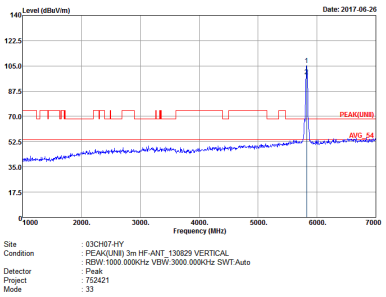
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH149 5745MHz	
	Horizontal	Fundamental
Peak		

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH157 5785MHz	
	Horizontal	Fundamental
Peak		
Peak		Left blank

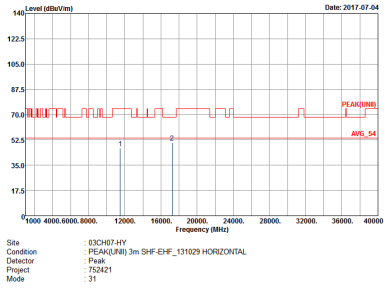
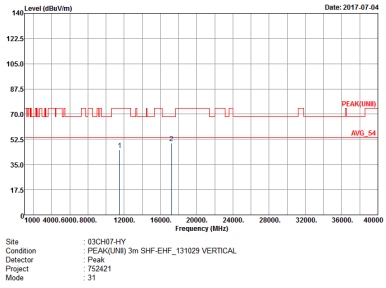
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH157 5785MHz	
	Vertical	Fundamental
Peak		
Peak		Left blank

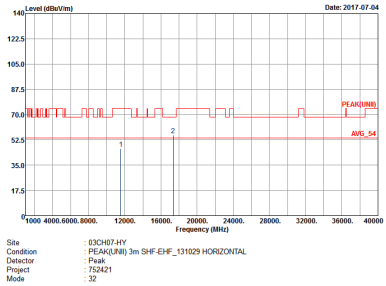
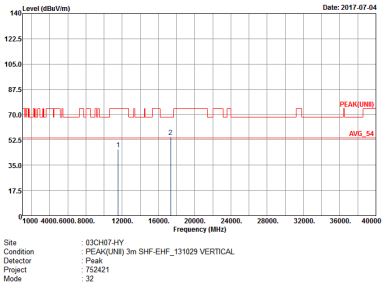
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH165 5825MHz	
	Horizontal	Fundamental
Peak		

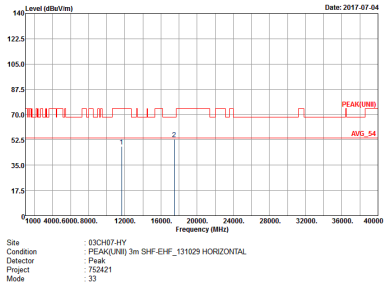
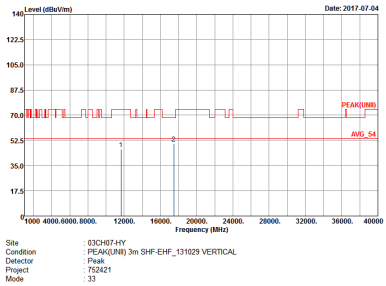
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH165 5825MHz	
	Vertical	Fundamental
Peak		

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

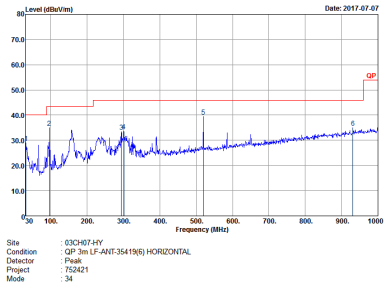
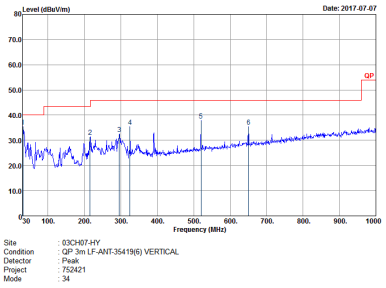
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
	802.11a CH149 5745MHz	
	Horizontal	Vertical
Peak Avg.		

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

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

Emission below 1GHz

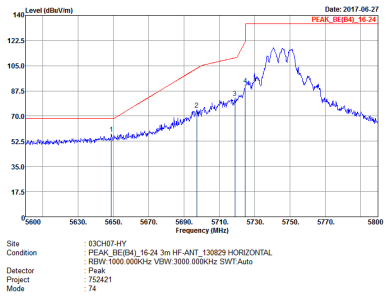
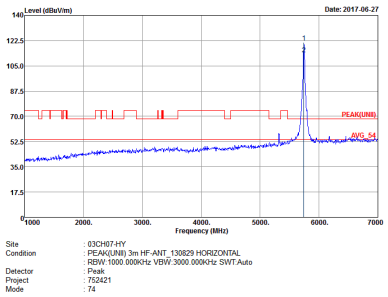
5GHz WIFI 802.11a (LF)

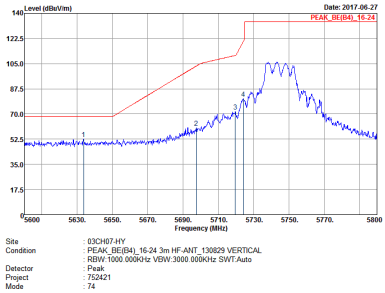
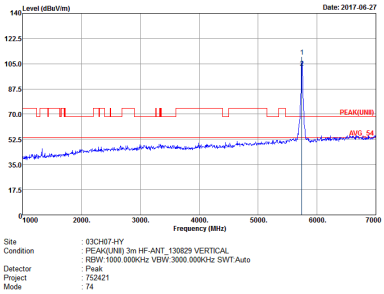
WIFI	5GHz 5725~5850MHz	
	802.11a LF	
	Horizontal	Vertical
QP / Peak		

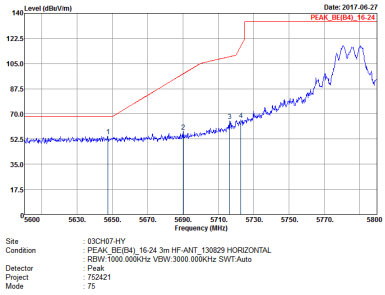
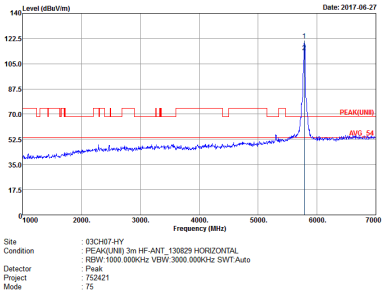
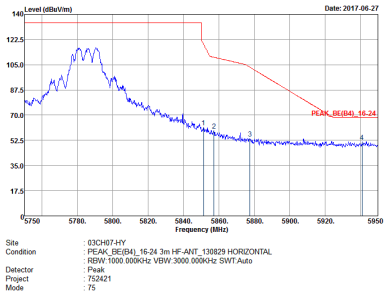
<Ant. No. 1 Chain 0+1>

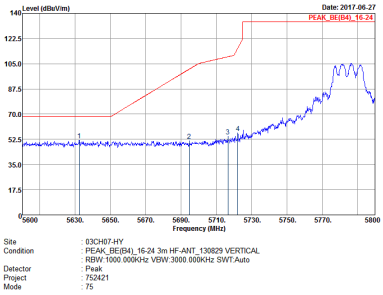
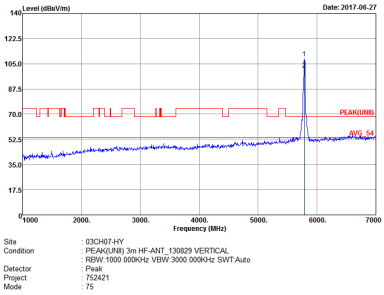
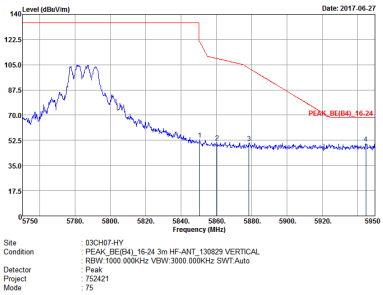
Band 4 - 5725~5850MHz

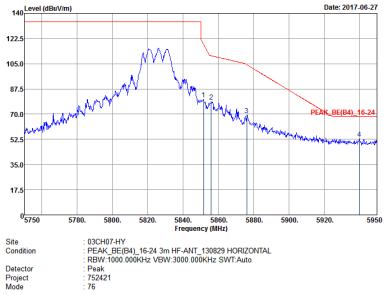
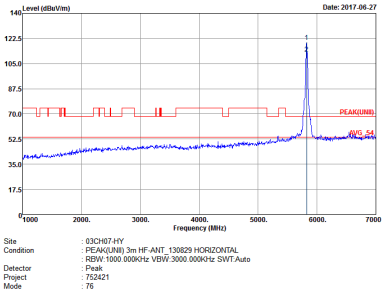
WIFI 802.11a (Band Edge @ 3m)

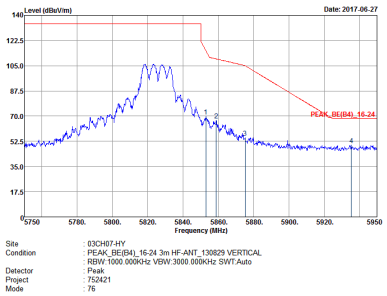
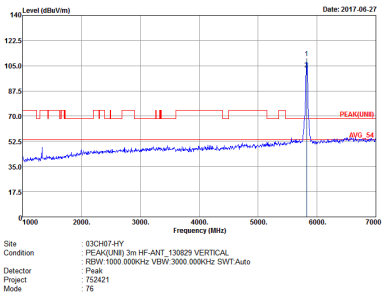
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH149 5745MHz	
	Horizontal	Fundamental
Peak		

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

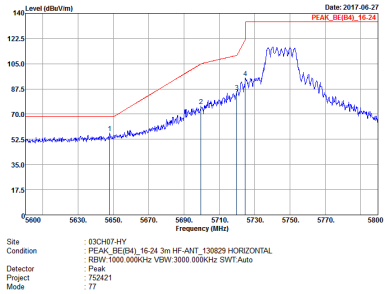
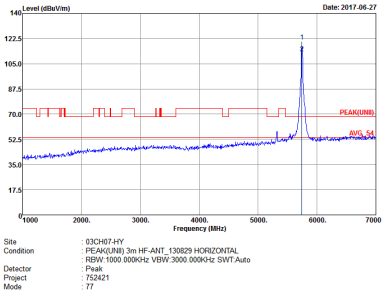
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH157 5785MHz	
	Horizontal	Fundamental
Peak		
Peak		Left blank

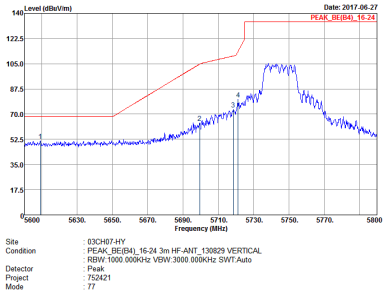
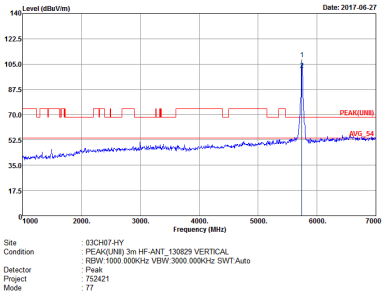
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH157 5785MHz	
	Vertical	Fundamental
Peak		
Peak		Left blank

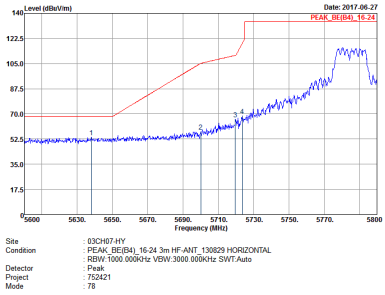
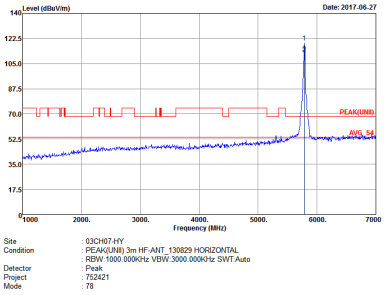
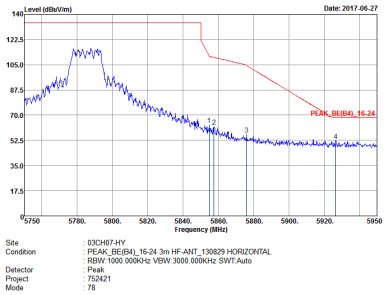
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH165 5825MHz	
	Horizontal	Fundamental
Peak		

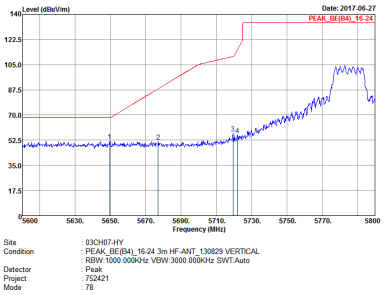
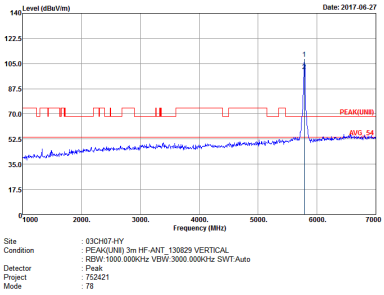
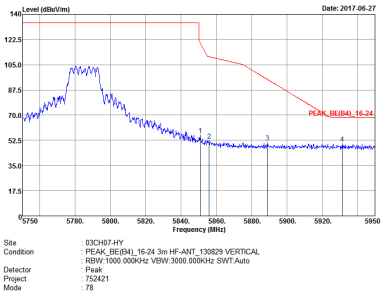
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH165 5825MHz	
	Vertical	Fundamental
Peak		

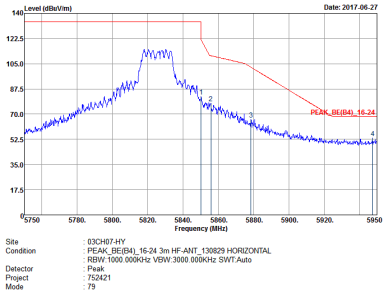
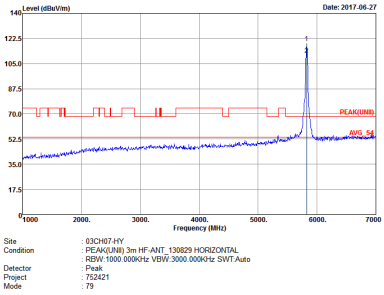
Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

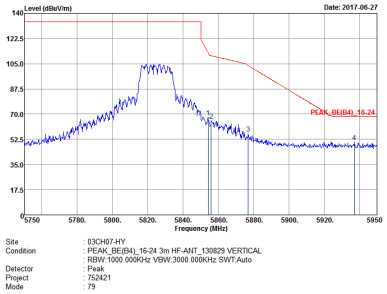
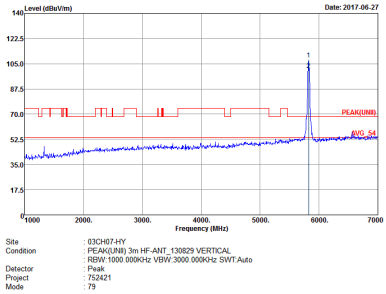
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT20 CH149 5745MHz	
	Horizontal	Fundamental
Peak		

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT20 CH157 5785MHz	
	Horizontal	Fundamental
Peak		
Peak		Left blank

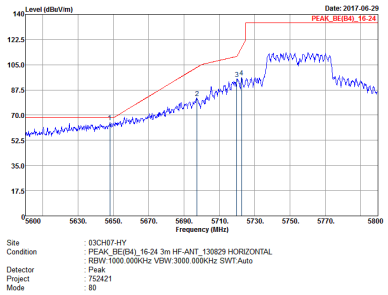
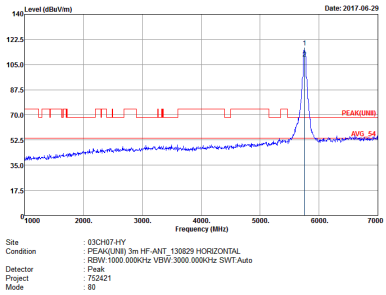
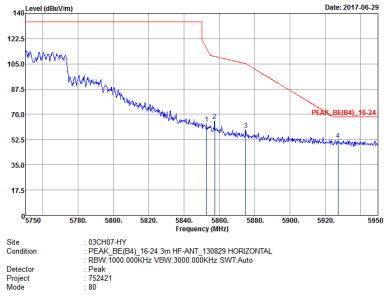
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT20 CH157 5785MHz	
	Vertical	Fundamental
Peak		
Peak		Left blank

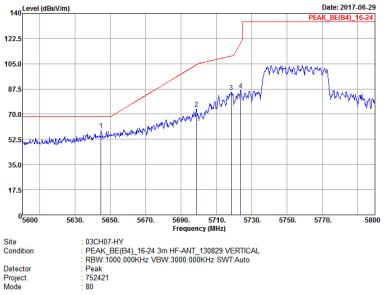
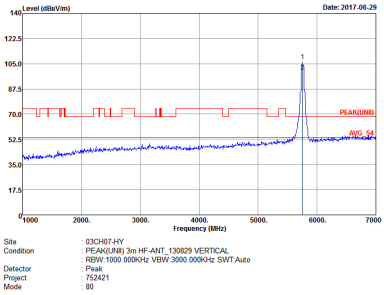
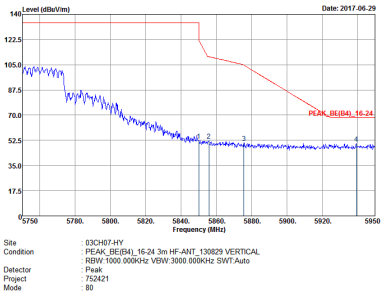
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT20 CH165 5825MHz	
	Horizontal	Fundamental
Peak		

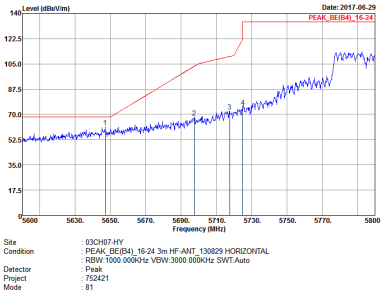
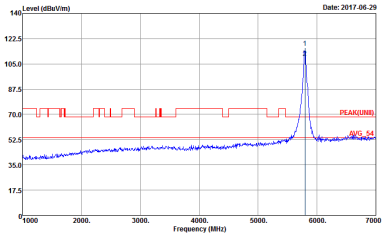
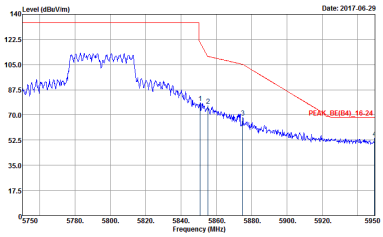
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT20 CH165 5825MHz	
	Vertical	Fundamental
Peak Avg.		

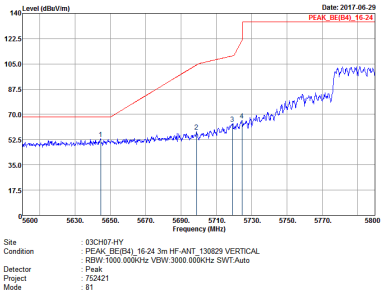
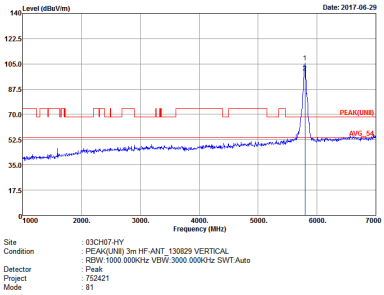
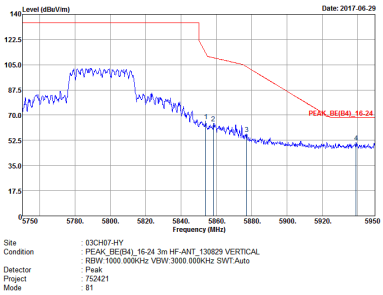
Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

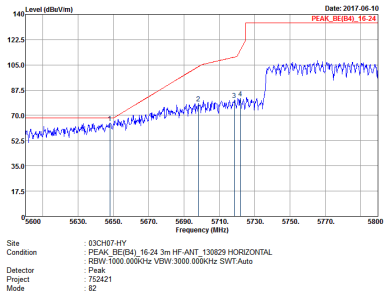
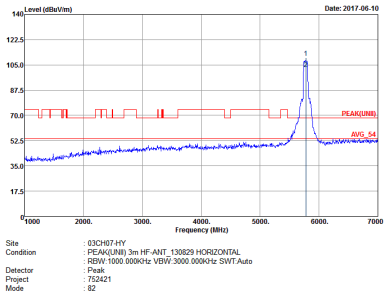
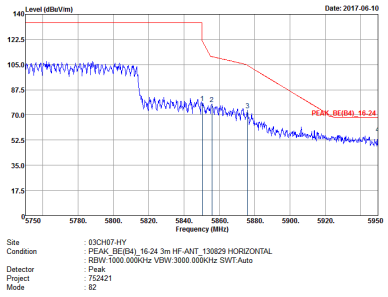
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT40 CH151 5755MHz	
	Horizontal	Fundamental
Peak		
Peak		Left blank

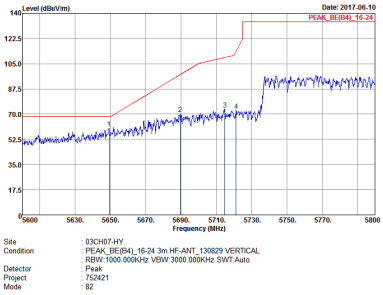
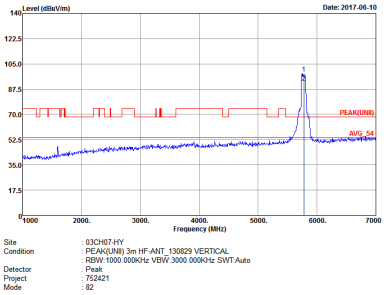
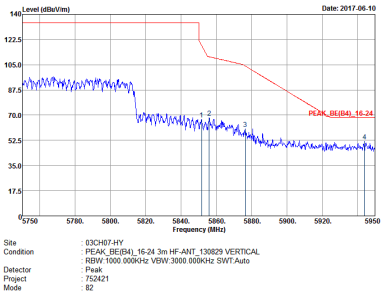
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT40 CH151 5755MHz	
	Vertical	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT40 CH159 5795MHz	
	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT40 CH159 5795MHz	
	Vertical	Fundamental
Peak		
Peak		Left blank

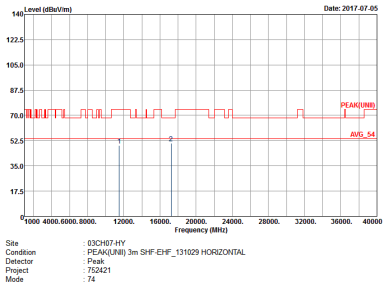
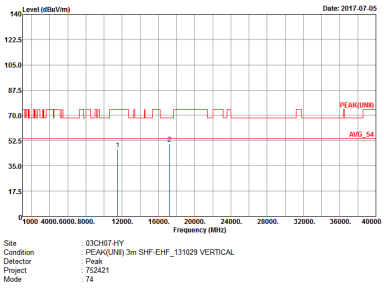
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

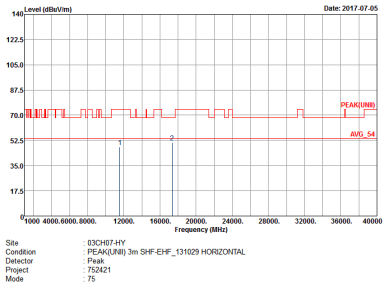
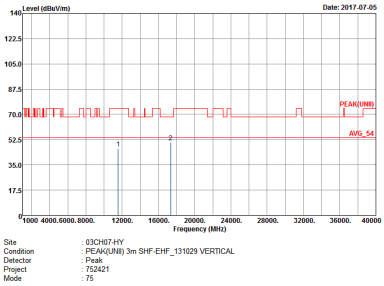
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT80 CH155 5775MHz	
	Horizontal	Fundamental
Peak		
Peak		Left blank

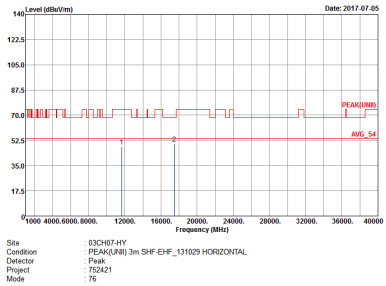
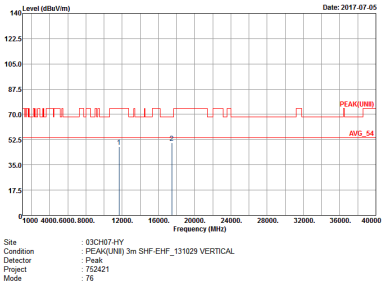
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT80 CH155 5775MHz	
	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

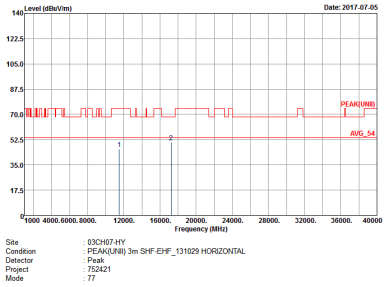
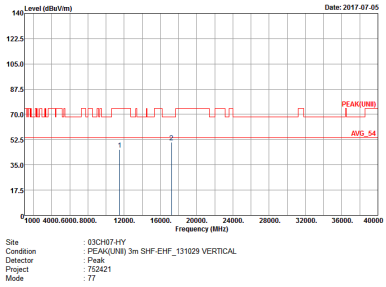
WIFI 802.11a (Harmonic @ 3m)

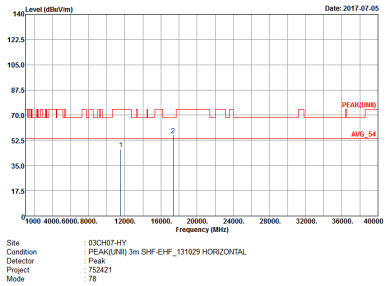
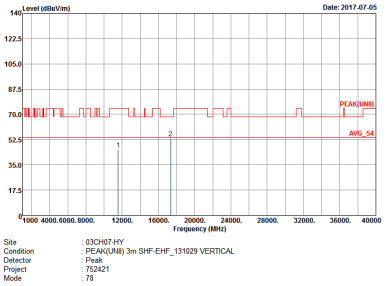
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
	802.11a CH149 5745MHz	
	Horizontal	Vertical
Peak Avg.		

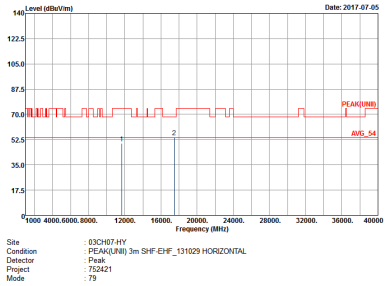
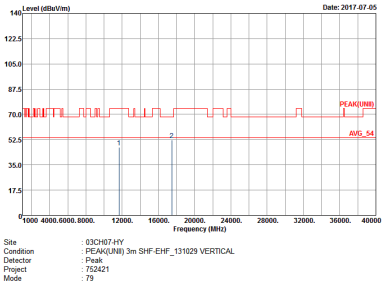
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
	802.11a CH157 5785MHz	
	Horizontal	Vertical
Peak Avg.		

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

Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

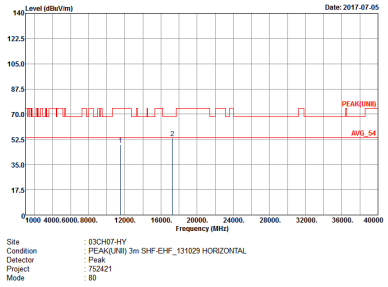
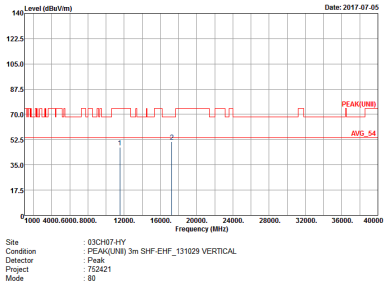
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
	802.11ac VHT20 CH149 5745MHz	
	Horizontal	Vertical
Peak Avg.		

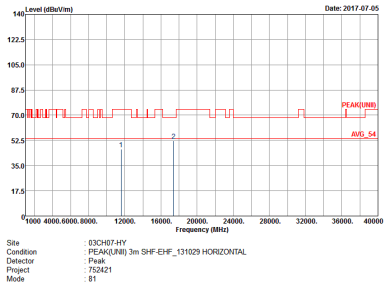
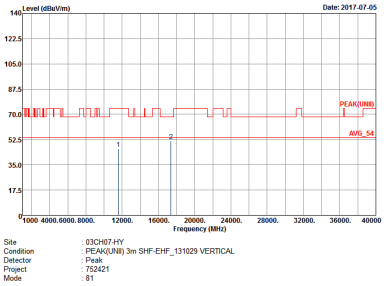
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
	802.11ac VHT20 CH157 5785MHz	
	Horizontal	Vertical
Peak Avg.		

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

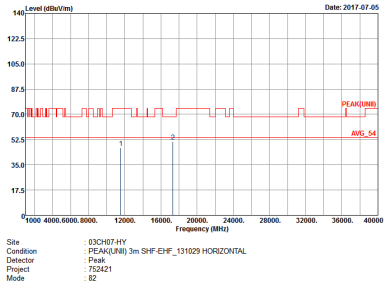
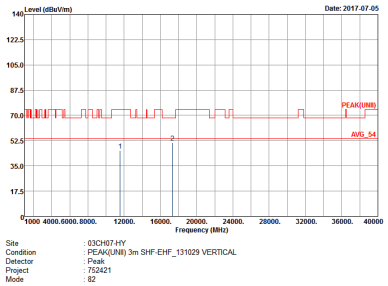
Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

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

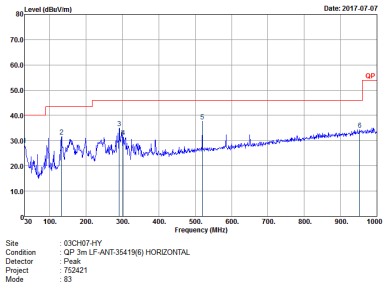
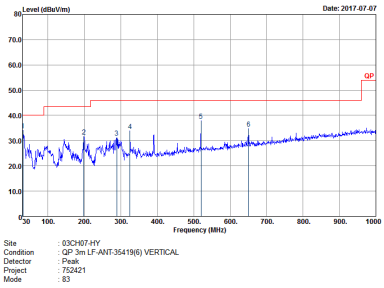
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
	802.11ac VHT40 CH159 5795MHz	
	Horizontal	Vertical
Peak Avg.		

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

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

Emission below 1GHz

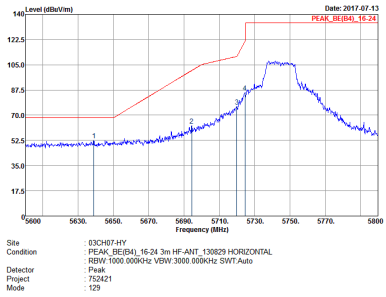
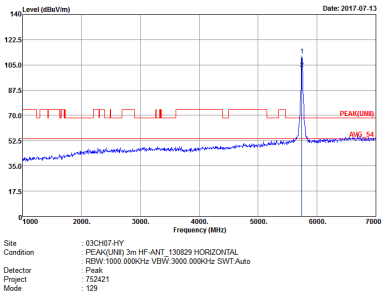
5GHz WIFI 802.11ac VHT40 (LF)

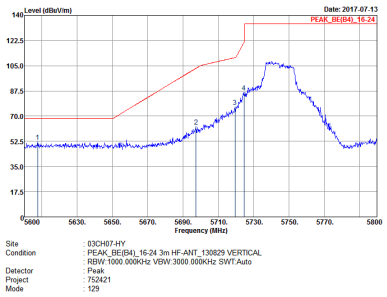
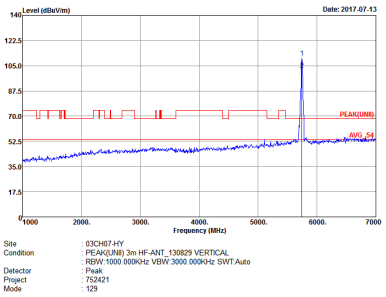
WIFI	5GHz 5725~5850MHz	
	802.11ac VHT40 LF	
	Horizontal	Vertical
QP / Peak		

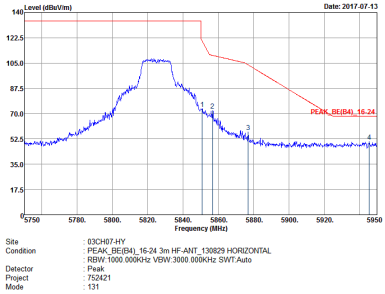
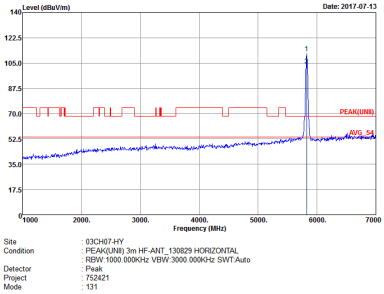
<Ant. No. 2 Chain 0>

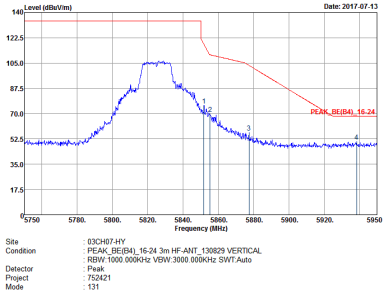
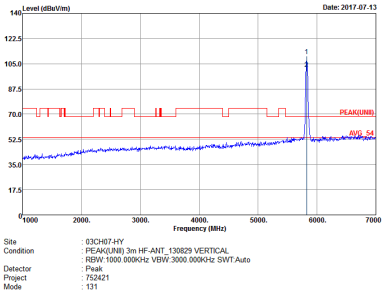
Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

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

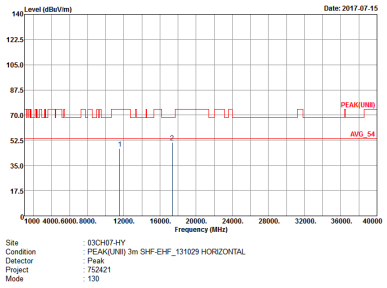
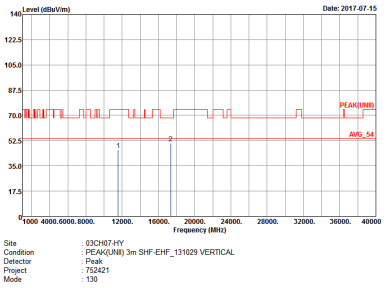
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH149 5745MHz	
	Vertical	Fundamental
Peak		

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

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

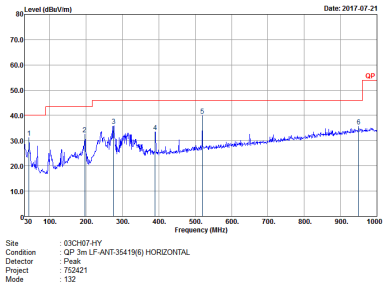
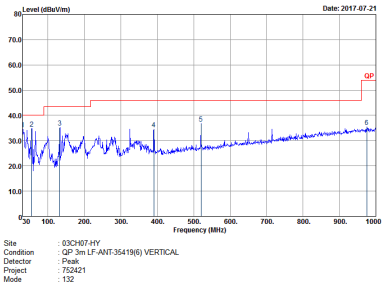
Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

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

Emission below 1GHz

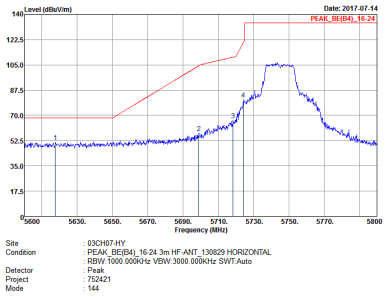
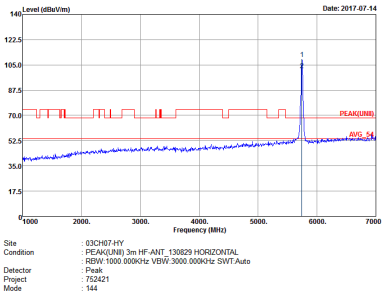
5GHz WIFI 802.11a (LF)

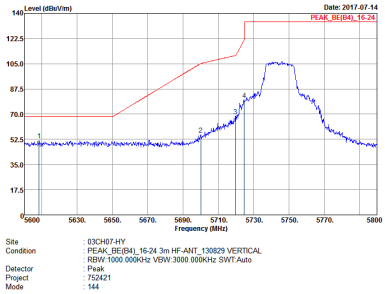
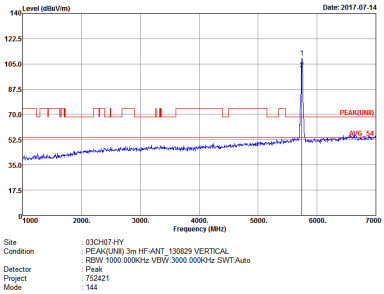
WIFI	5GHz 5725~5850MHz	
	802.11a LF	
	Horizontal	Vertical
QP / Peak		

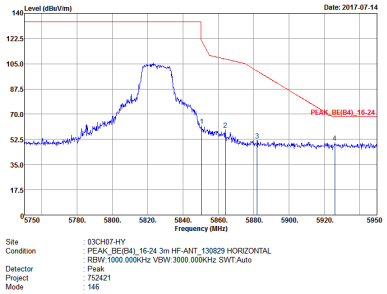
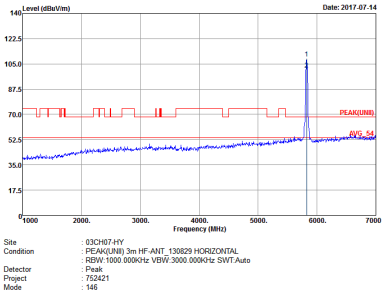
<Ant. No. 2 Chain 1>

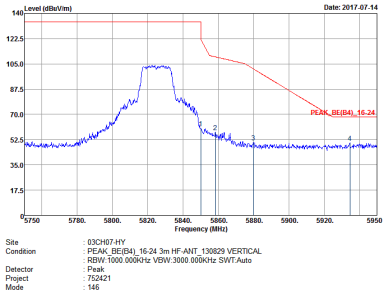
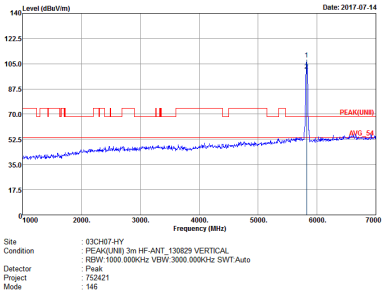
Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

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

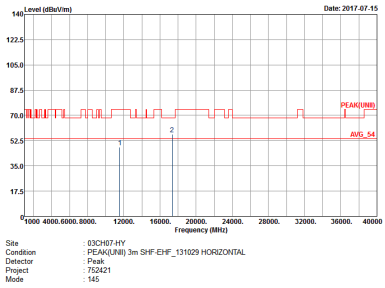
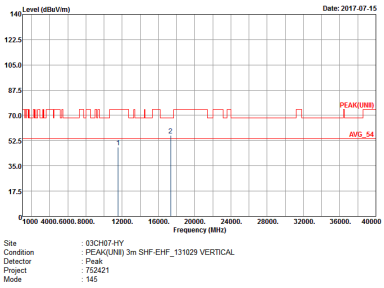
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH149 5745MHz	
	Vertical	Fundamental
Peak		

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

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

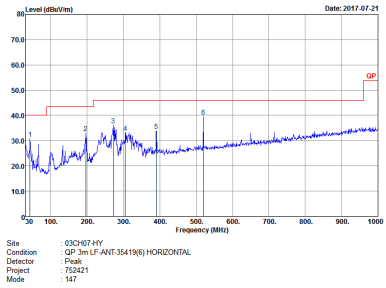
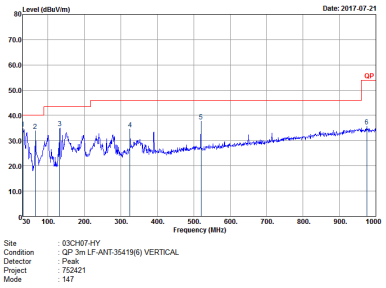
Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

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

Emission below 1GHz

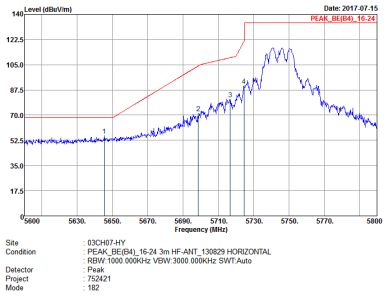
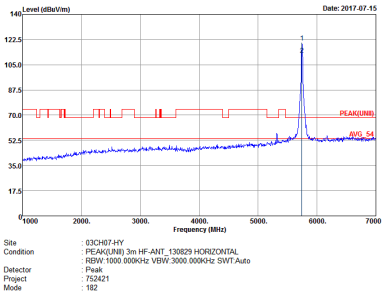
5GHz WIFI 802.11a (LF)

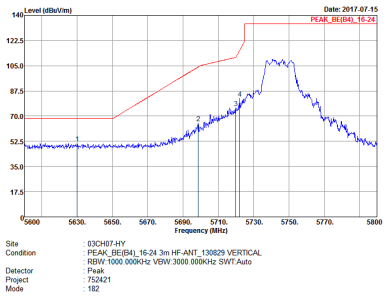
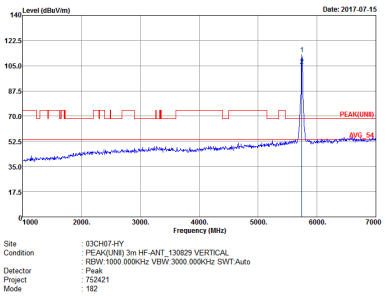
WIFI	5GHz 5725~5850MHz	
	802.11a LF	
	Horizontal	Vertical
QP / Peak		

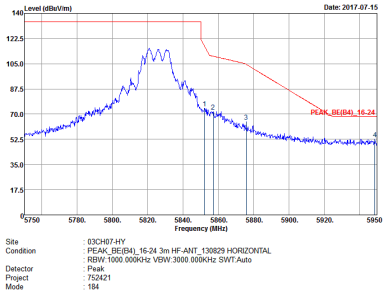
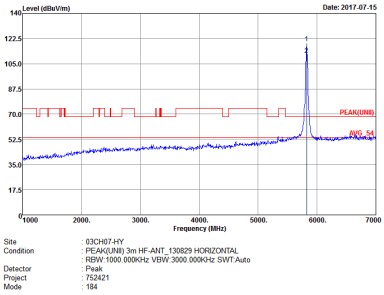
<Ant. No. 2 Chain 0+1>

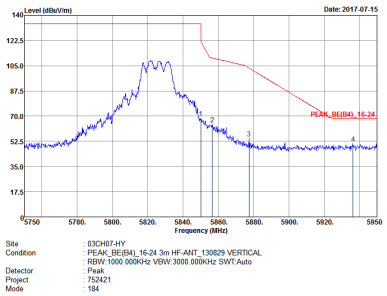
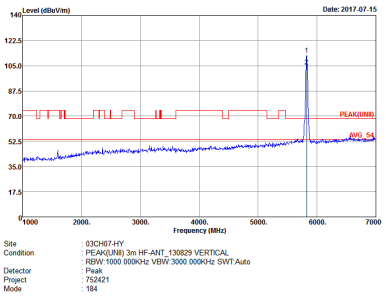
Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

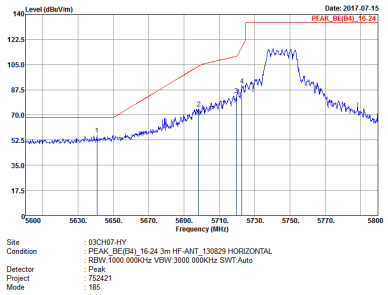
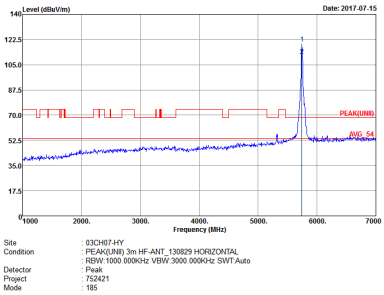
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH149 5745MHz	
	Horizontal	Fundamental
Peak		

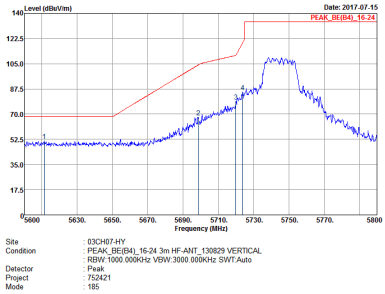
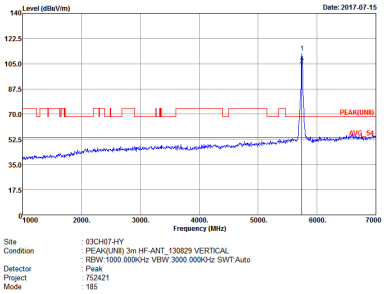
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH149 5745MHz	
	Vertical	Fundamental
Peak		

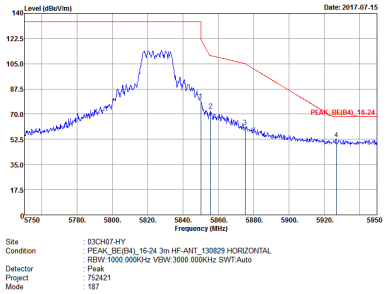
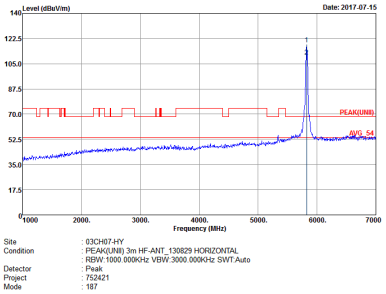
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH165 5825MHz	
	Horizontal	Fundamental
Peak		

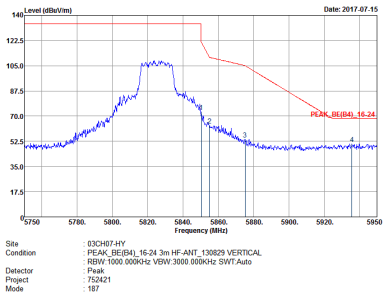
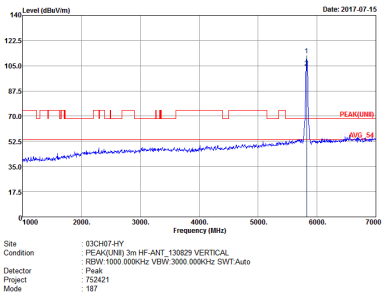
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH165 5825MHz	
	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

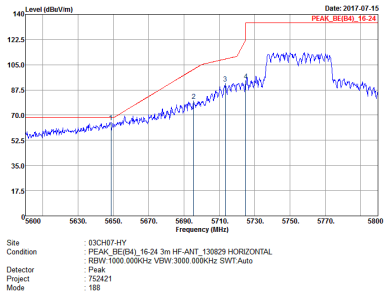
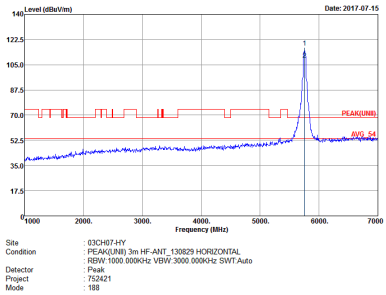
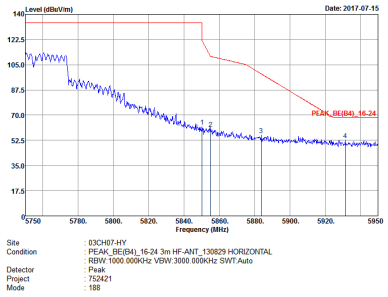
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT20 CH149 5745MHz	
	Horizontal	Fundamental
Peak		

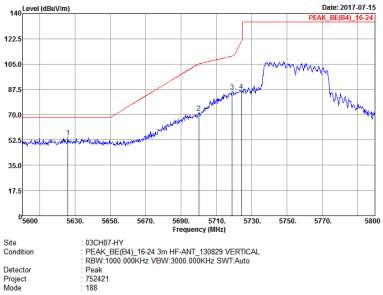
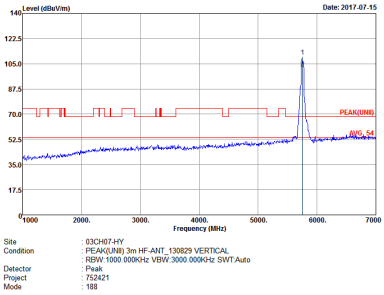
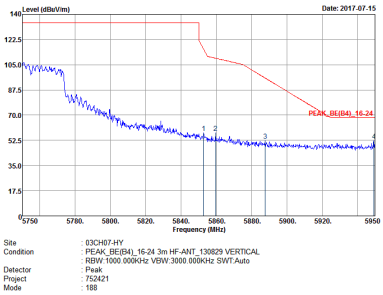
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT20 CH149 5745MHz	
	Vertical	Fundamental
Peak Avg.		

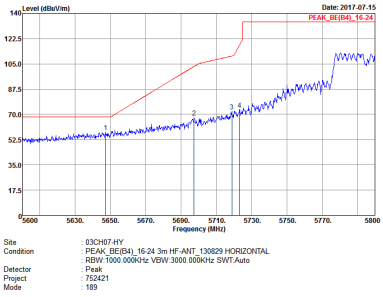
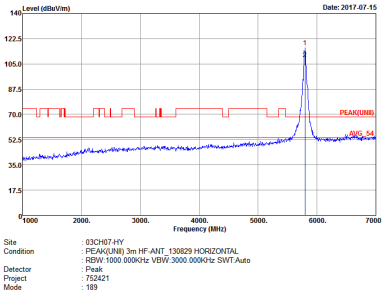
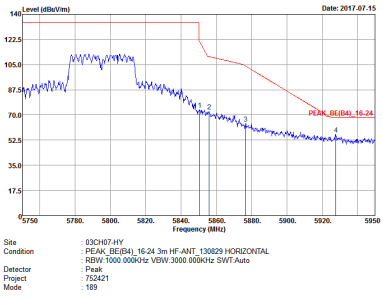
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT20 CH165 5825MHz	
	Horizontal	Fundamental
Peak		

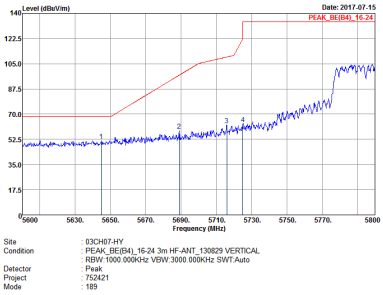
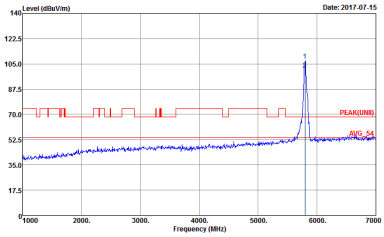
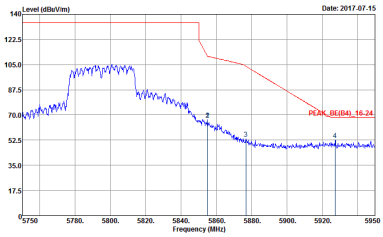
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT20 CH165 5825MHz	
	Vertical	Fundamental
Peak Avg.		

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

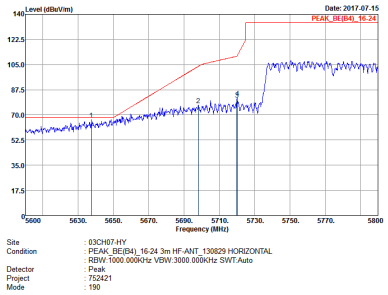
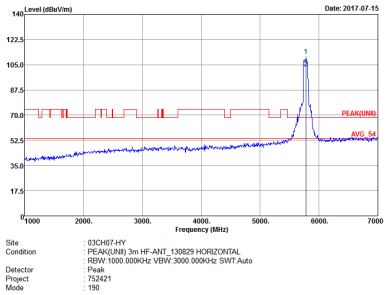
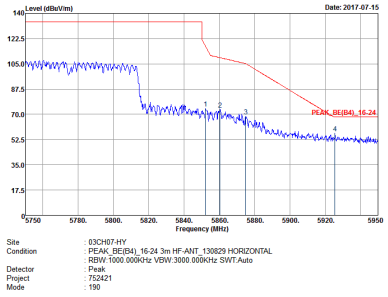
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT40 CH151 5755MHz	
	Horizontal	Fundamental
Peak		
Peak		Left blank

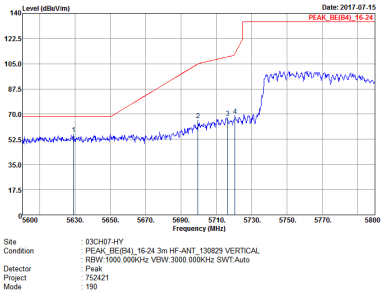
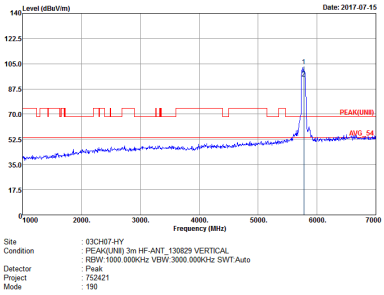
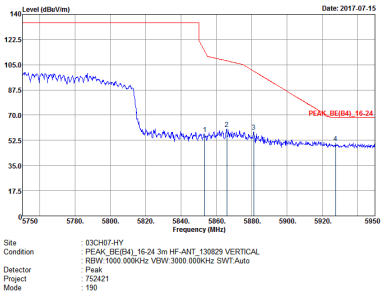
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT40 CH151 5755MHz	
	Vertical	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT40 CH159 5795MHz	
	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT40 CH159 5795MHz	
	Vertical	Fundamental
Peak		
Peak		Left blank

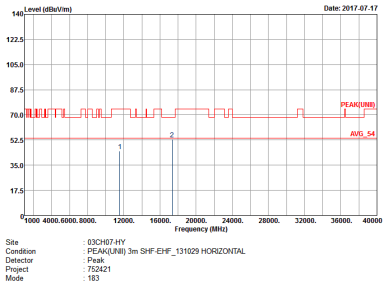
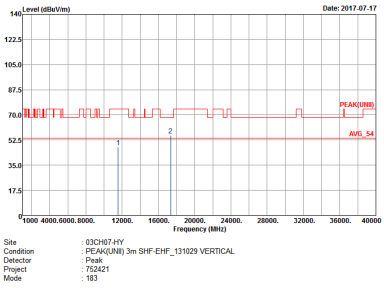
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

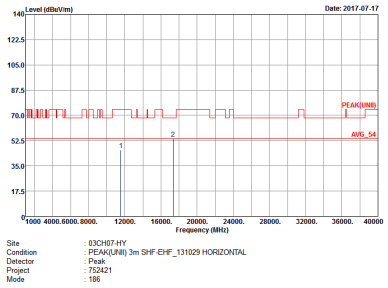
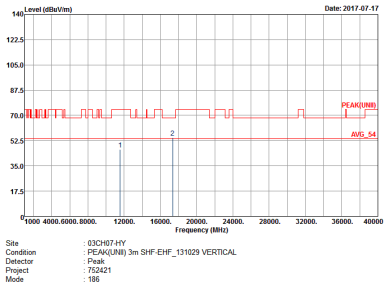
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT80 CH155 5775MHz	
	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

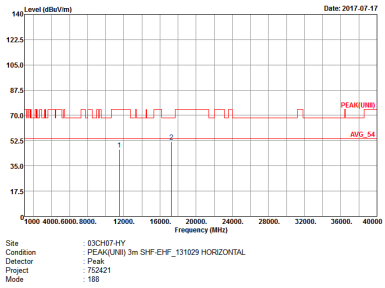
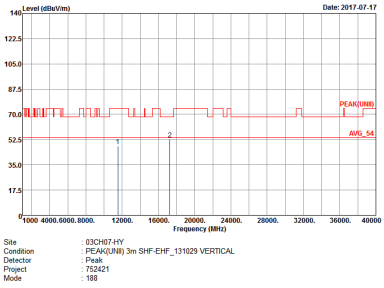
WIFI 802.11a (Harmonic @ 3m)

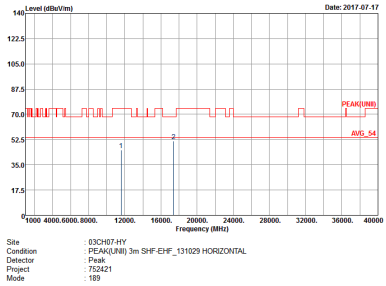
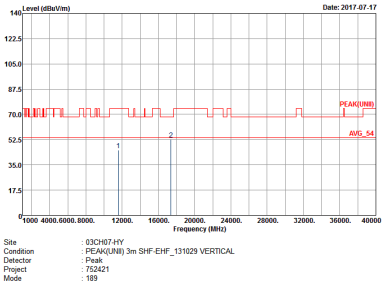
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
	802.11a CH157 5785MHz	
	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
	802.11ac VHT20 CH157 5785MHz	
	Horizontal	Vertical
Peak Avg.		

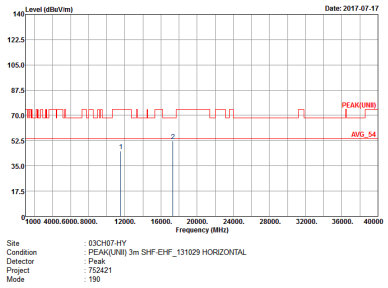
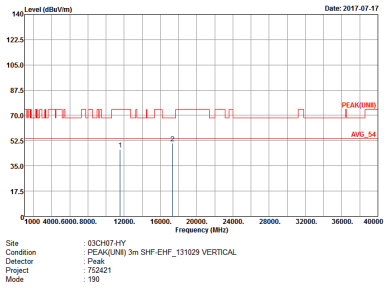
Band 4 5725~5850MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
	802.11ac VHT40 CH159 5795MHz	
	Horizontal	Vertical
Peak Avg.		

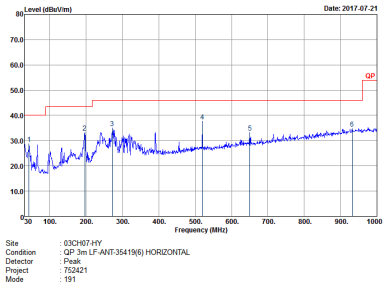
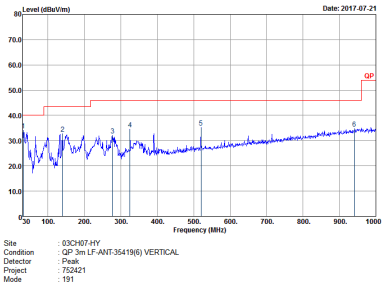
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

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

Emission below 1GHz

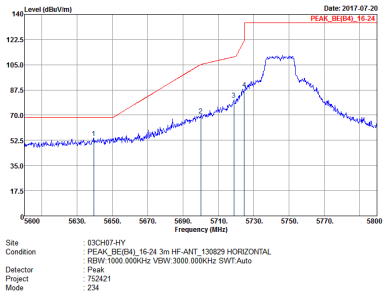
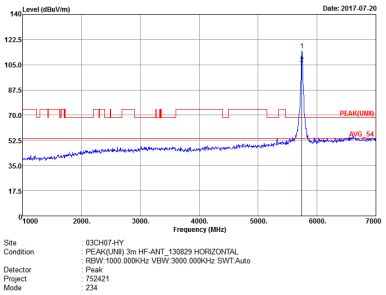
5GHz WIFI 802.11ac VHT80 (LF)

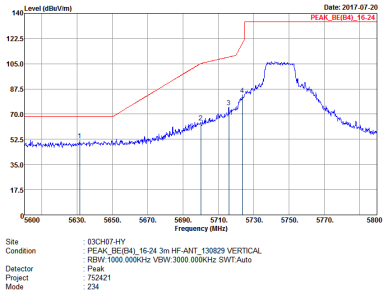
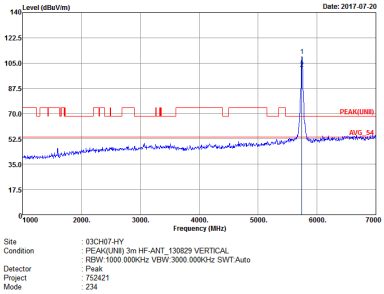
WIFI	5GHz 5725~5850MHz	
	802.11ac VHT80 LF	
	Horizontal	Vertical
QP / Peak		

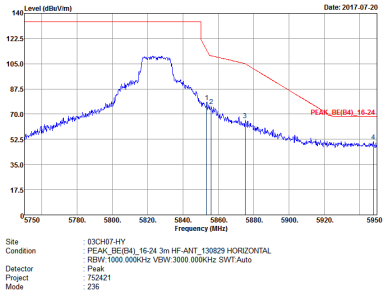
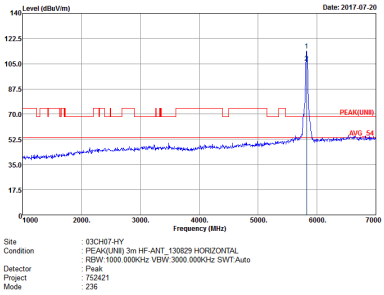
<Ant. No. 4 Chain 0>

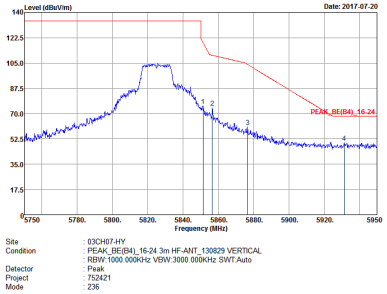
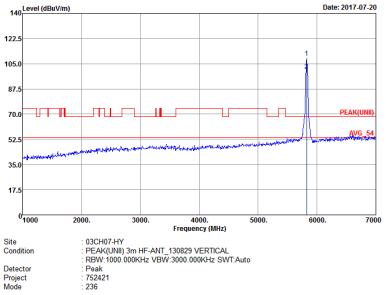
Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

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

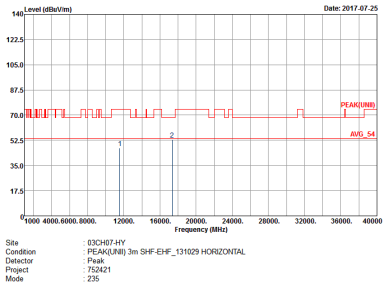
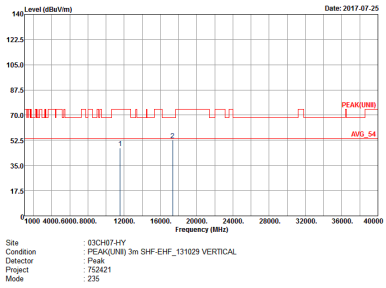
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH149 5745MHz	
	Vertical	Fundamental
Peak		

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

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

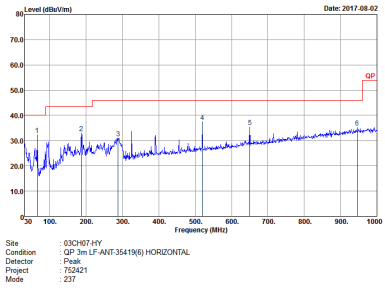
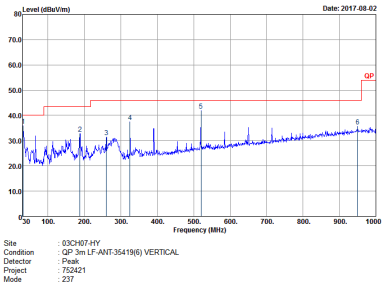
Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

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

Emission below 1GHz

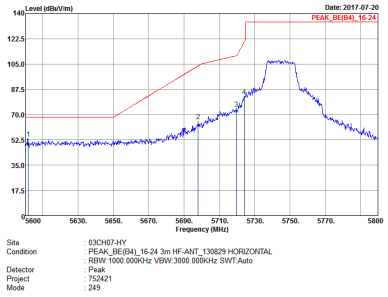
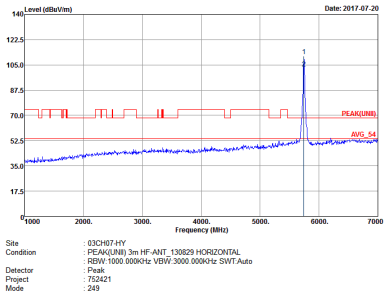
5GHz WIFI 802.11a (LF)

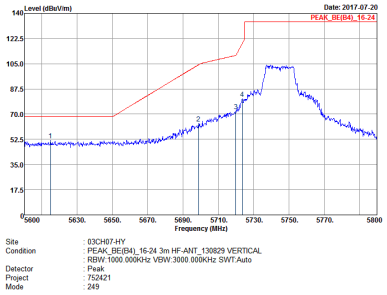
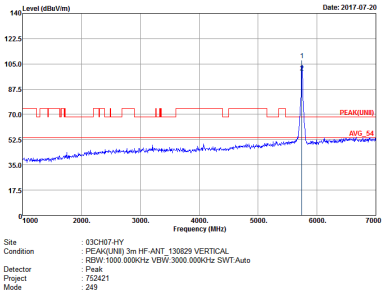
WIFI	5GHz 5725~5850MHz	
	802.11a LF	
	Horizontal	Vertical
QP / Peak		

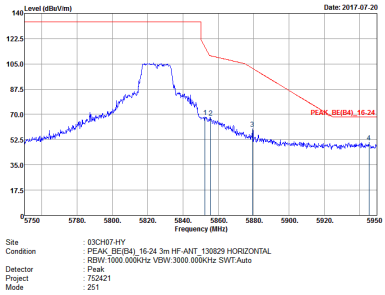
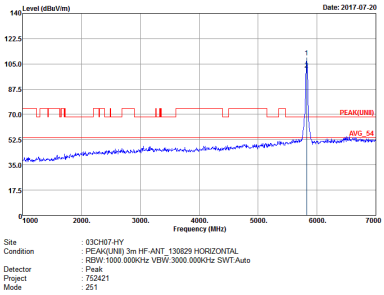
<Ant. No. 4 Chain 1>

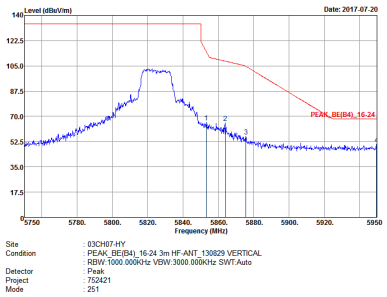
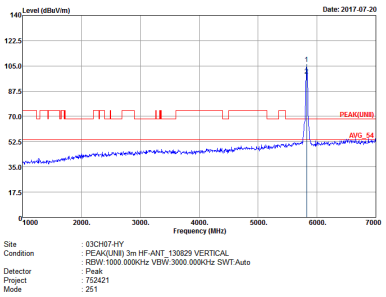
Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

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

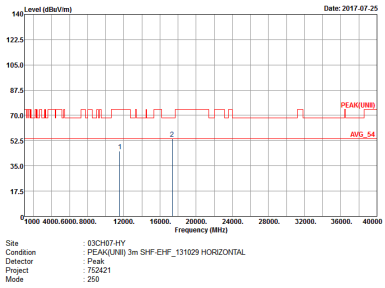
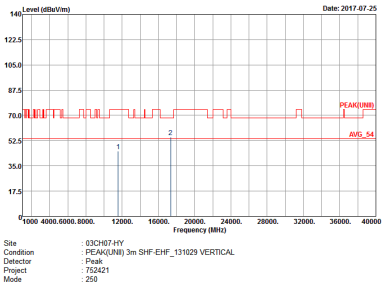
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH149 5745MHz	
	Vertical	Fundamental
Peak		

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

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

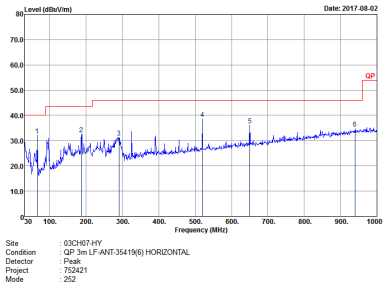
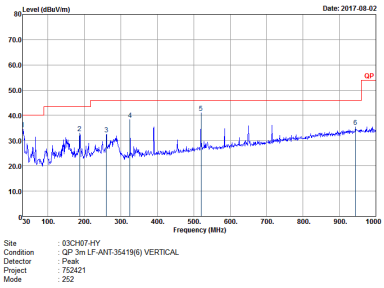
Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

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

Emission below 1GHz

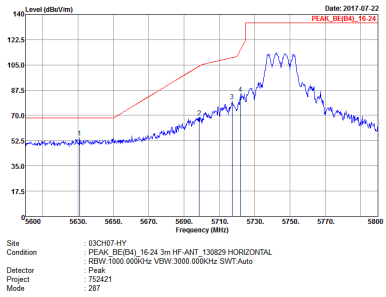
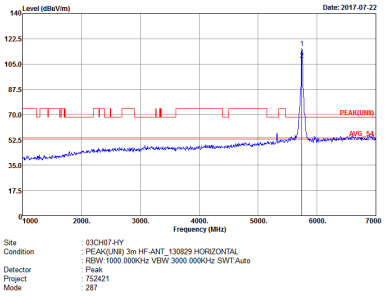
5GHz WIFI 802.11a (LF)

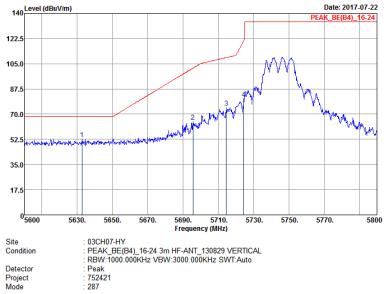
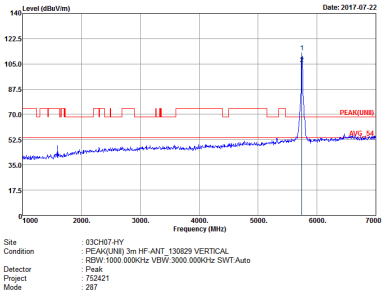
WIFI	5GHz 5725~5850MHz	
	802.11a LF	
	Horizontal	Vertical
QP / Peak		

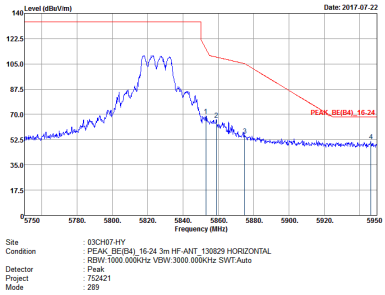
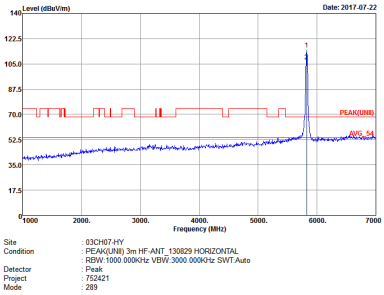
<Ant. No. 4 Chain 0+1>

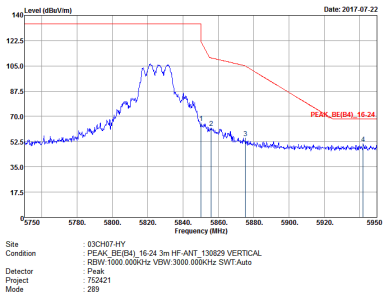
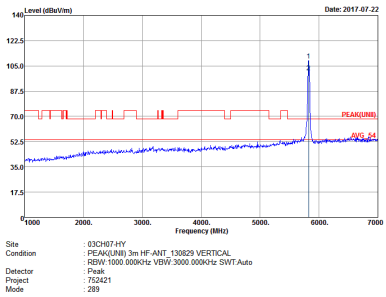
Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

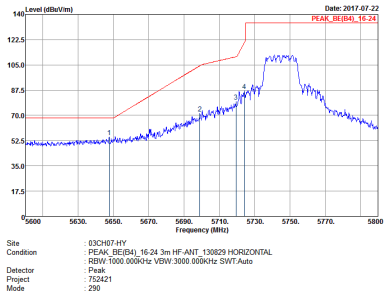
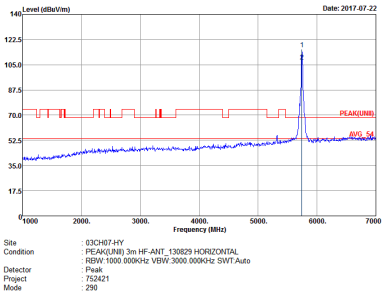
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH149 5745MHz	
	Horizontal	Fundamental
Peak		

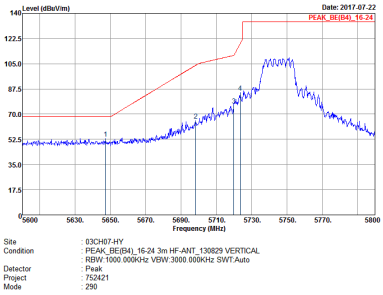
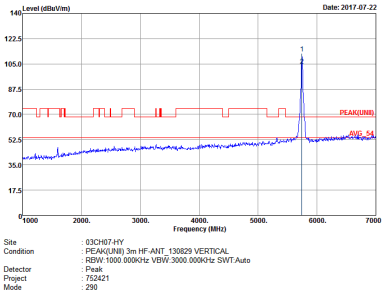
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH149 5745MHz	
	Vertical	Fundamental
Peak		

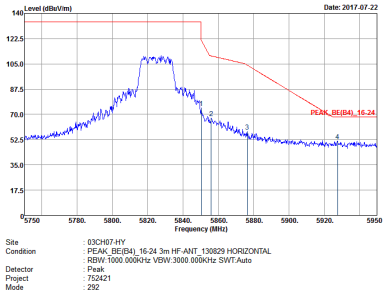
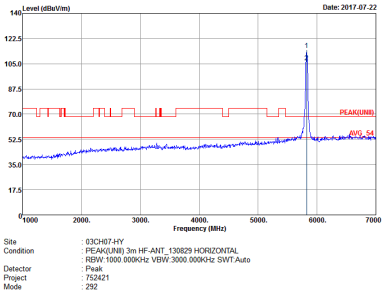
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH165 5825MHz	
	Horizontal	Fundamental
Peak		

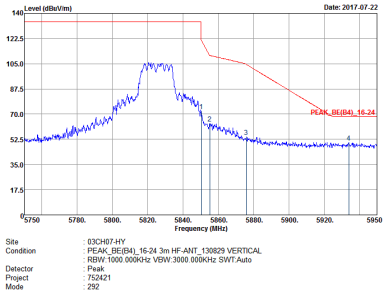
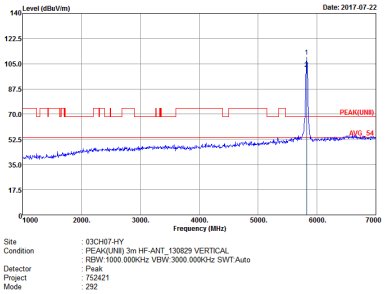
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11a CH165 5825MHz	
	Vertical	Fundamental
Peak		

Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

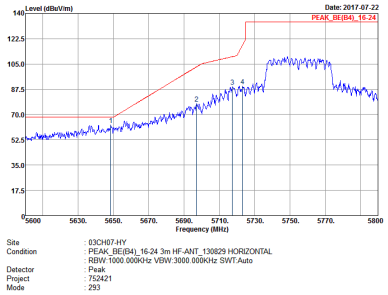
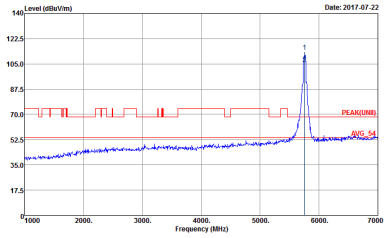
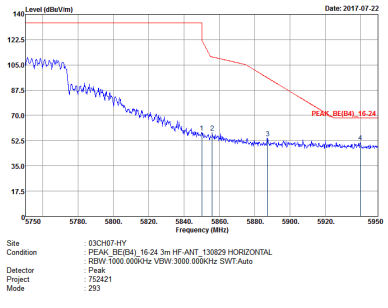
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
	802.11ac VHT20 CH149 5745MHz	
	Horizontal	Fundamental
Peak		

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

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

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

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

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