FCC RF Test Report

APPLICANT	:	Hewlett Packard Enterprise Company
EQUIPMENT	:	Wireless Access Point
BRAND NAME	:	aruba, Hewlett Packard Enterprise
MODEL NAME	:	APIN0304, APIN0305
MARKETING NAME	:	APIN0304, APIN0305
FCC ID	:	Q9DAPIN0304305
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

The product was received on Jul. 07, 2016 and testing was completed on Jul. 12, 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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR670709E	Rev. 01	Initial issue of report	Jul. 12, 2017

SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	2.1049 15.403(i)	RSS-247 Section 6	26dB Bandwidth	-	Pass	-
3.2	15.407(a)	RSS-247 Section 6	Maximum Conducted Output Power	≤ 250mW or 11dBm + 10log B	Pass	-
3.3	15.407(a)	RSS-247 Section 6	Power Spectral Density	≤ 11dBm/MHz	Pass	-
3.4	15.407(b)	RSS-247 Section 6	Unwanted Emissions	≤ -17, -27 dBm (depend on band) &15.209(a)	Pass	Under limit 0.24 dB at 5451.040 MHz
3.5	15.207	RSS-Gen 8.8	AC Conducted Emission	15.207(a)	Pass	Under limit 8.98 dB at 0.171 MHz
3.6	15.407(g)	-	Frequency Stability	Within Operation Band	Pass	-
3.7	15.407(c)	RSS-247 6.4(a)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.8	15.203 & 15.407(a)	N/A	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

Hewlett Packard Enterprise Company
3000 Hanover Street, Palo Alto, CA 94304

1.2 Manufacturer

Hewlett Packard Enterprise Company
3000 Hanover Street, Palo Alto, CA 94304

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Wireless Access Point
Brand Name	aruba, Hewlett Packard Enterprise
Model Name	APIN0304, APIN0305
Marketing Name	APIN0304, APIN0305
FCC ID	Q9DAPIN0304305
S/N	APIN0304: CNBRAAA00Z (For RF Conducted and Radiation) CNBRAAA00Z (For Conduction) APIN0305: CNBRAAA02K (For RF Conducted and Radiation) CNBRAAA02K (For Conduction)
EUT supports Radios application	WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth v4.0 LE
SW Version	6.5.1.0 build 56684
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.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Modes> APIN0304	**<5260 MHz ~ 5320 MHz>** 802.11a : 17.62 dBm / 0.0578 W 802.11n HT20 / ac VHT20: 17.52 dBm / 0.0565 W 802.11n HT40 / ac VHT40: 20.07 dBm / 0.1016 W 802.11ac VHT80: 16.02 dBm / 0.0400 W **<5500 MHz ~ 5720 MHz >** 802.11a : 17.19 dBm / 0.0524 W 802.11n HT20 / ac VHT20: 17.46 dBm / 0.0557 W 802.11n HT40 / ac VHT40: 19.97 dBm / 0.0993 W 802.11ac VHT80: 22.49 dBm / 0.1774 W
Maximum Output Power to Antenna <Beamforming Modes> APIN0304	**<5260 MHz ~ 5320 MHz>** 802.11n HT20 / ac VHT20: 18.85 dBm / 0.0767 W 802.11n HT40 / ac VHT40: 18.96 dBm / 0.0787 W 802.11ac VHT80: 14.88 dBm / 0.0308 W **<5500 MHz ~ 5720 MHz >** 802.11n HT20 / ac VHT20: 18.08 dBm / 0.0643 W 802.11n HT40 / ac VHT40: 18.88 dBm / 0.0773 W 802.11ac VHT80: 18.63 dBm / 0.0729 W
Maximum Output Power to Antenna <CDD Modes> APIN0305	**<5260 MHz ~ 5320 MHz>** 802.11a : 20.61 dBm / 0.1151 W 802.11n HT20 / ac VHT20: 21.02 dBm / 0.1265 W 802.11n HT40 / ac VHT40: 23.11 dBm / 0.2046 W 802.11ac VHT80: 19.12 dBm / 0.0817 W **<5500 MHz ~ 5720 MHz >** 802.11a : 20.96 dBm / 0.1247 W 802.11n HT20 / ac VHT20: 21.22 dBm / 0.1324 W 802.11n HT40 / ac VHT40: 23.21 dBm / 0.2094 W 802.11ac VHT80: 22.81 dBm / 0.1910 W
Maximum Output Power to Antenna <Beamforming Modes> APIN0305	**<5260 MHz ~ 5320 MHz>** 802.11n HT20 / ac VHT20: 22.08 dBm / 0.1614 W 802.11n HT40 / ac VHT40: 22.12 dBm / 0.1629 W 802.11ac VHT80: 20.61 dBm / 0.1151 W **<5500 MHz ~ 5720 MHz >** 802.11n HT20 / ac VHT20: 21.28 dBm / 0.1314 W 802.11n HT40 / ac VHT40: 22.02 dBm / 0.1592 W 802.11ac VHT80: 21.94 dBm / 0.1563 W
Antenna Gain APIN0304	<Ant. 1> : with gain 6.00 dBi <Ant. 2> : with gain 6.00 dBi <Ant. 3> : with gain 6.00 dBi
Antenna Gain APIN0305	<Ant. 1> : with gain 2.80 dBi <Ant. 2> : with gain 2.80 dBi <Ant. 3> : with gain 2.80 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
Antenna Function Description	<table><tr><td></td><td>Ant.1</td><td>Ant.2</td><td>Ant.3</td></tr><tr><td>802.11a/n/ac MIMO</td><td>V</td><td>V</td><td>V</td></tr></table>

Note:

1. MIMO Ant. 1+2+3 is a calculated result from sum of the power MIMO Ant. 1 MIMO Ant. 2 and MIMO Ant. 3.
2. For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing have assessed only 802.11ac VHT20/ VHT40 by referring to their maximum conducted power.

1.5 Sample List

There are two model names of EUT. Model APIN0305 is designed with built in antennas, and model APIN0304 with three RP-SMA connectors for external antennas. For model APIN0304, it has nine types of antenna as below table:

	type	Description	Gain	Polorization
1	AP-ANT-1W	2.4-2.5GHz/5GHz, 5.0dBi Tri-Band, Omni-Directional Antenna	3.8dBi @2.4GHz; 5.8dB @5.8GHz	Linear vertical
2	AP-ANT-13B	downtilt omni, dual-band	4.4dBi @2.4GHz; 3.3dB @5.8GHz	Linear vertical
3	AP-ANT-19,	Dual Band Omnidirectional	3dBi @2.4GHz; 6dB @5.8GHz	vertical
4	AP-ANT-20W,	2.4- and 5-GHz dual-band omni directional	2dBi @2.4GHz; 2dB @5.8GHz	Linear vertical
5	AP-ANT-16,	Triple Element Downtilt Omni, Dual-Band	3.9dBi @2.4GHz; 4.7dB @5.8GHz	vertical
6	AP-ANT-25A	2.4- and 5-GHz dual polarized sector antenna	5dBi @2.4GHz; 5dB @5.8GHz	slant +/-45°
7	AP-ANT-35A	2.4- and 5-GHz dual polarized sector antenna	5dBi @2.4GHz; 5dB @5.8GHz	slant +/-45°
8	AP-ANT-28	2.4- and 5-GHz dual-polarized sector antenna	7.5dBi @2.4GHz; 7.5dB @5.8GHz	slant +/-45°
9	AP-ANT-38	2.4- and 5-GHz dual-polarized sector antenna	7.5dBi @2.4GHz; 7.5dB @5.8GHz	slant +/-45°

For model APIN0304, we only evaluate testing for the antenna (AP-ANT-19 and AP-ANT-28) with the maximum antenna gain.

The detail test sample list as below table:

Sample	Mode name	Antenna Type
Sample 1	APIN0304	AP-ANT-19 Omnidirectional Antenna
Sample 2	APIN0304	AP-ANT-28 Directional Antenna
Sample 3	APIN0305	Internal Antenna

1.6 Modification of EUT

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

1.7 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	TH05-HY	03CH07-HY

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

Test Site	Sporton International (KunShan) INC.
Test Site Location	No.3-2, Pingxiang Road, Kunshan Development Zone, Jiangsu, China TEL: +86-0512-5790-0158 FAX: +86-0512-5790-0958
Test Site No.	**Sporton Site No.**
	CO01-KS

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

1.8 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.
- FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
- 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.

1.9 Test Condition

Normal Voltage	DC 12V for Adapter DC 57V for POE
Normal Temperature	20℃
Extreme Temperature	0℃ and 50℃

Note: The test temperature was between voltage 0℃~50℃ by manufacturer requested.

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

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

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

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

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

Note:

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

2.2 Test Mode

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

MIMO Antenna

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5G) Link + Adapter for Sample 1 Mode 2 : Bluetooth Link + WLAN (5G) Link + POE for Sample 2 Mode 3 : **Bluetooth Link + WLAN (5G) Link + Adapter for Sample 3**
Remark: 1. The worst case of conducted emission is mode 3; only the test data of it was reported. 2. For Radiated TCs, the tests were performed with adapter for Sample 1, Sample 2 and Sample 3.	

Ch. #		Band II：5260-5320 MHz	Band III：5500-5720MHz
		802.11a	802.11a
L	Low	52	100
M	Middle	60	116
H	High	64	140
Straddle-		-	144

Ch. #		Band II：5260-5320 MHz	Band III：5500-5720MHz
		802.11n HT20	802.11n HT20
L	Low	52	100
M	Middle	60	116
H	High	64	140
Straddle-			

Ch. #		Band II：5260-5320 MHz	Band III：5500-5720MHz
		802.11n HT40	802.11n HT40
L	Low	54	102
M	Middle	-	110
H	High	62	134
Straddle		-	142

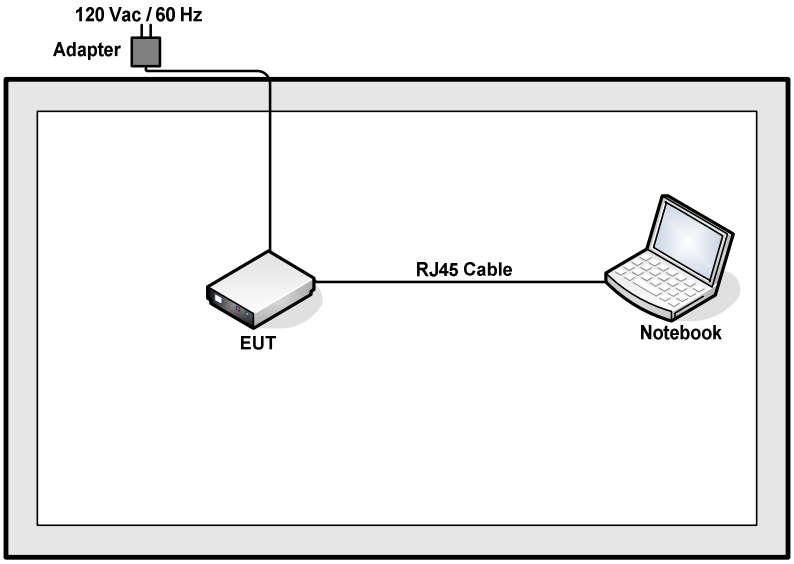
Ch. #		Band II：5260-5320 MHz	Band III：5500-5720MHz
		802.11ac VHT20	802.11ac VHT20
L	Low	52	100
M	Middle	60	116
H	High	64	140
Straddle-		-	144

Ch. #		Band II：5260-5320 MHz	Band III：5500-5720MHz
		802.11ac VHT40	802.11ac VHT40
L	Low	54	102
M	Middle	-	110
H	High	62	134
Straddle		-	142

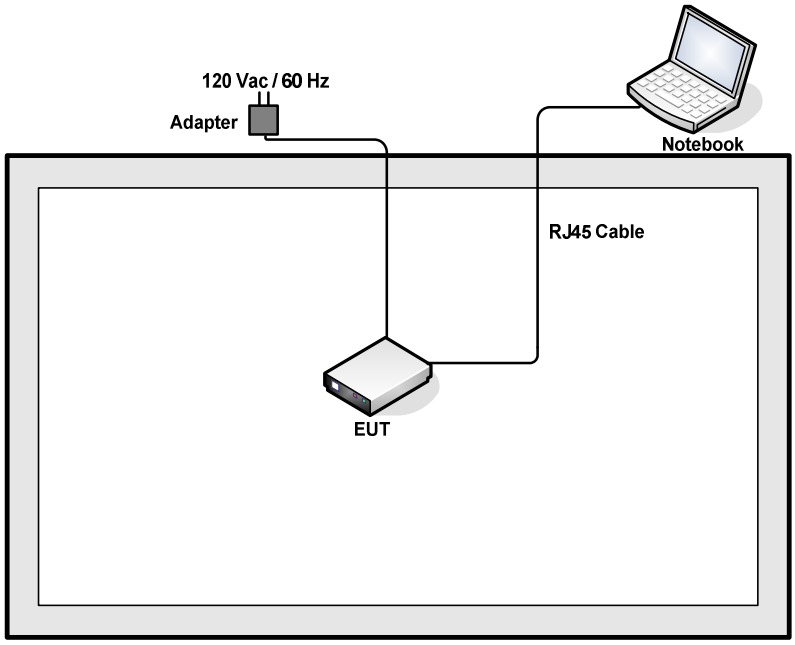
Ch. #		Band II：5260-5320 MHz	Band III：5500-5720MHz
		802.11ac VHT80	802.11ac VHT80
L	Low	-	106
M	Middle	58	-
H	High	-	122
Straddle		-	138

2.3 Connection Diagram of Test System

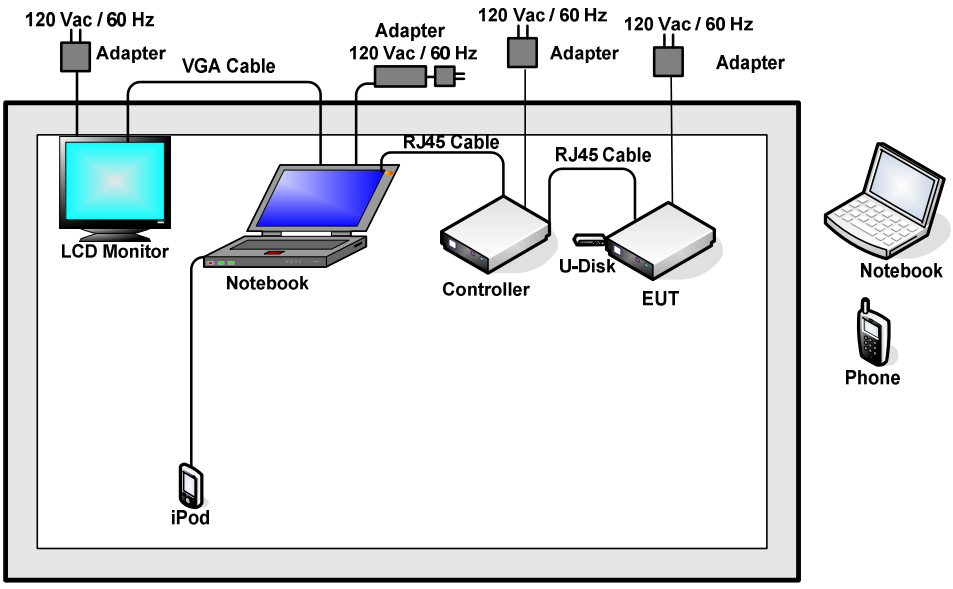
<Conducted Mode>



<WLAN Tx Mode with Adapter>



<AC Conducted Emission Mode with Adapter>



2.4 Support Unit used in test configuration and system

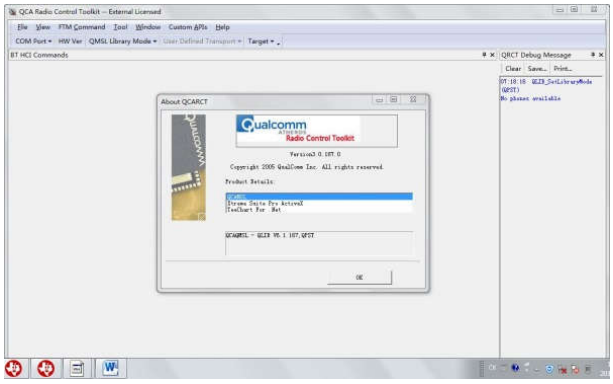
Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Lenovo	E40	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
2.	Notebook	Lenovo	E49	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
3.	Notebook	MSI_NB	MS-16J5	PD93165NG	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
4.	Notebook	MSI_NB	MS-16J5	PD93165NG	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
5.	POE	powersine	PD-3501G/AC	N/A	N/A	Shielded, 2 m
6.	Android Phone	ZTE	A1	N/A	N/A	N/A
7.	IPod	Apple	A1199	FCC Doc	Shielded, 2 m	N/A
8.	Monitor	Dell	IN1930MWc	FCC Doc	Shielded, 2 m	Unshielded, 1.8 m
9.	U-Disk	SanDisk	SDCZ51-004G	N/A	N/A	N/A
10.	Controller	Aruba	ARCN0103	N/A	N/A	AC I/P: Unshielded cable, 1.8m
11.	VGA Cable	N/A	N/A	N/A	Unshielded,1.5m	N/A
12.	AC Adapter	CUI INC	SDI30-12-U-P209-C1	N/A	N/A	Unshielded cable, 2m
13.	RJ45 Cable	N/A	N/A	N/A	N/A	N/A
14.	USB flash drive	Team	TC153BGB01	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

For CCD modes, WLAN RF test items, an engineering test program was provided and enabled to make EUT continuously transmit/receive. EUT was connected to spectrum analyzer and notebook which is installed in QRCT software.

For WLAN MIMO TXBF modes, the EUT was tested under normal operation and link to another EUT with power, modulation modes and data rates controlled by engineer mode command lines. The iperf software tool was used to make EUT continuous transmitting signals. EUT was connected to spectrum analyzer and notebook which is installed in QRCT software.

For AC power line conducted emissions, the EUT was set to connect with the Notebook under large package sizes transmission.



Monitor the SW Version of QRCT

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 17.7 dB and 10dB attenuator.

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

= 17.7 + 10 = 27.7 (dB)

3 Test Result

3.1 26dB Bandwidth Measurement

3.1.1 Description of 26dB Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. Measure and record the results in the test report.

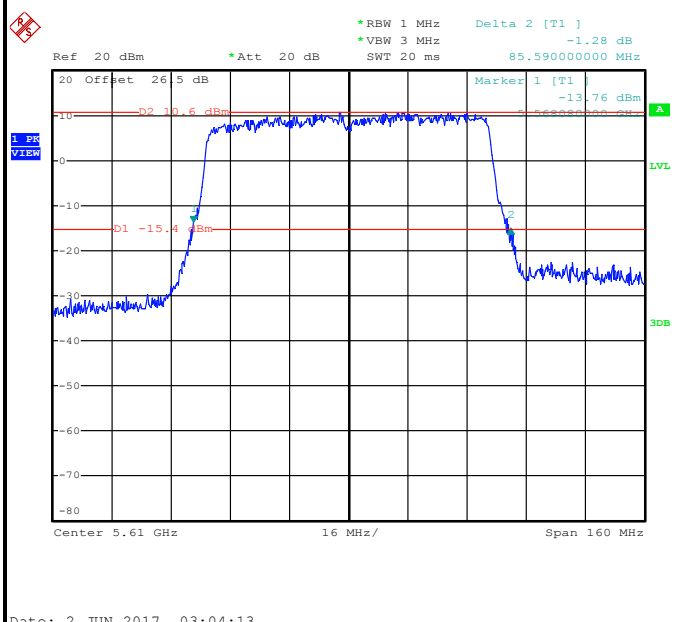
3.1.4 Test Setup

3.1.5 Test Result of 26dB Bandwidth

Please refer to Appendix A.

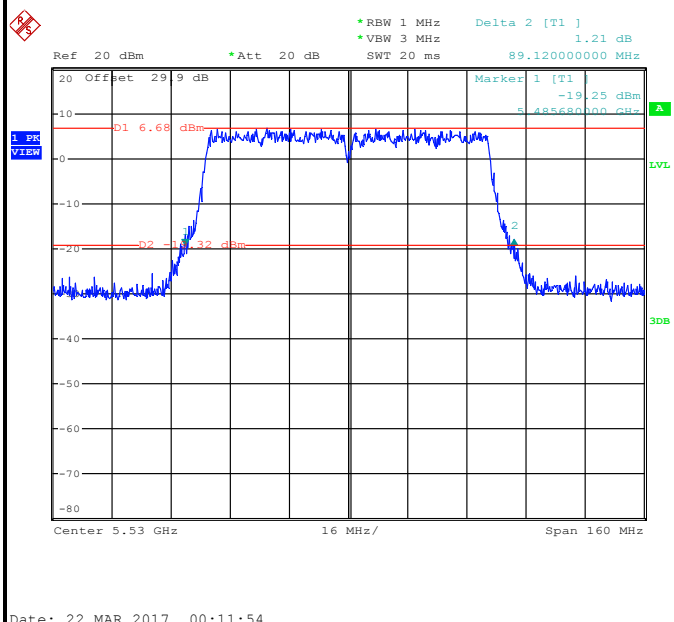
<CDD Mode> APIN0304

Maximum 26dB Bandwidth
Band III MIMO Ant.1+2+3(1) 802.11ac VHT80 MCS0 CH122



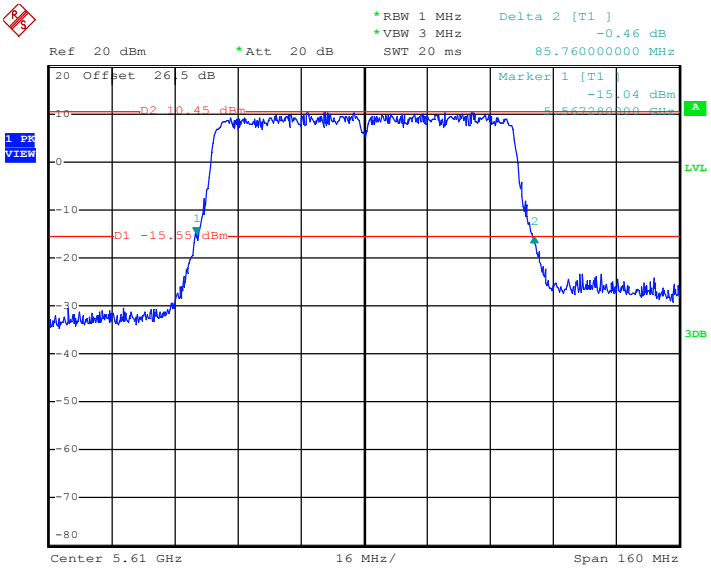
<TXBF Mode> APIN0304

Maximum 26dB Bandwidth
Band III MIMO Ant.1+2+3(2) 802.11ac VHT80 MCS0 CH106



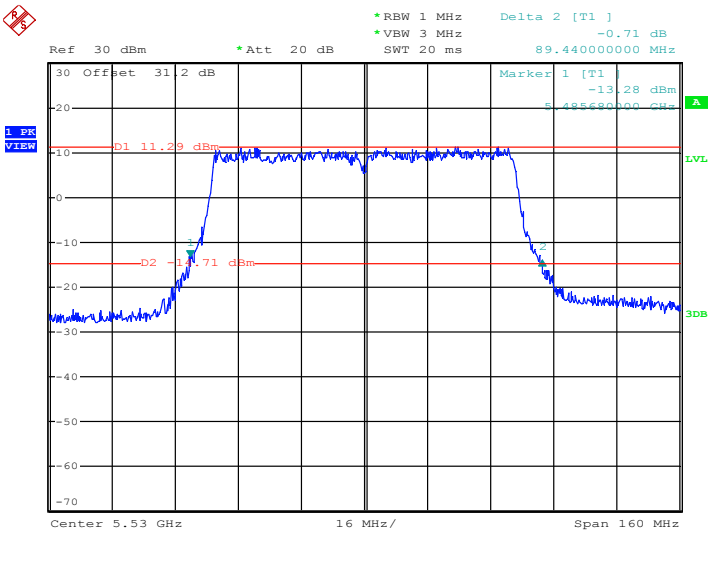
<CDD Mode> APIN0305

Maximum 26dB Bandwidth
Band III MIMO Ant.1+2+3(3) 802.11ac VHT80 MCS0 CH122



<TXBF Mode> APIN0305

Maximum 26dB Bandwidth
Band III MIMO Ant.1+2+3(2) 802.11ac VHT80 MCS0 CH106



3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.25–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

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

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

CDD modes

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04 for CDD modes.

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

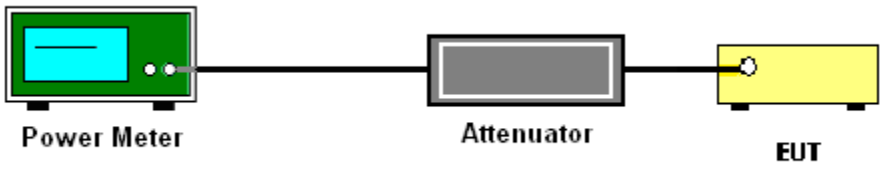
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04 for TXBF modes.

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.

For straddle channel, the testing follows Method SA-3 (RMS detection with max hold) of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz 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 = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

TXBF modes

 # Method SA-3 #

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

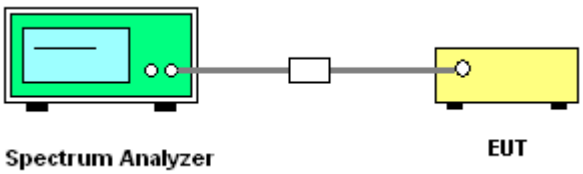
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the 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 (a): Measure and sum the spectra across the outputs.

The total final Power Spectral Density is from a device with 3 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and output 3 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup

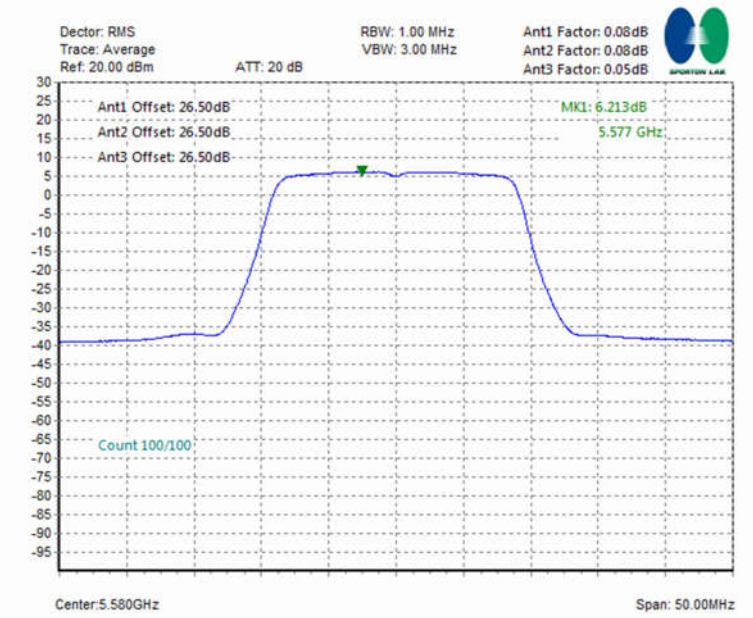


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

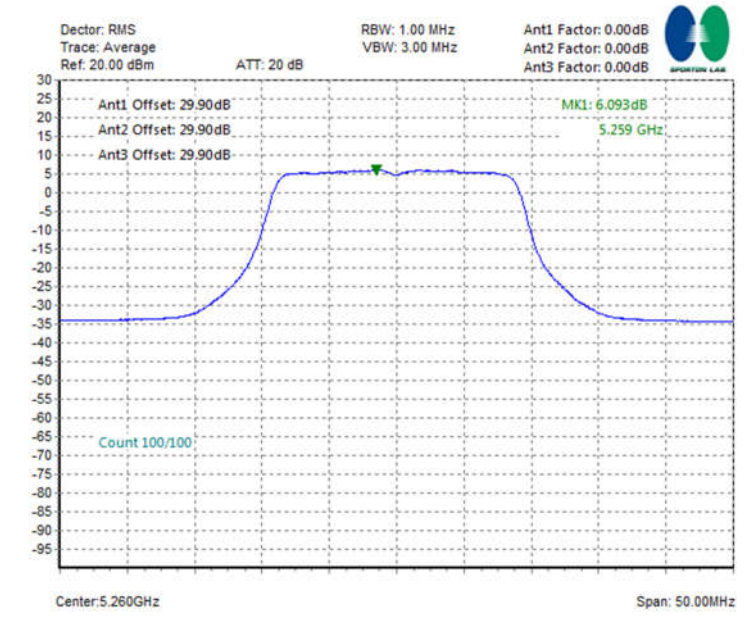
<CDD Mode> APIN0304

Worst Case Power Density (dBm/MHz)
Band III MIMO Ant.1+2+3 802.11ac VHT20 CH116



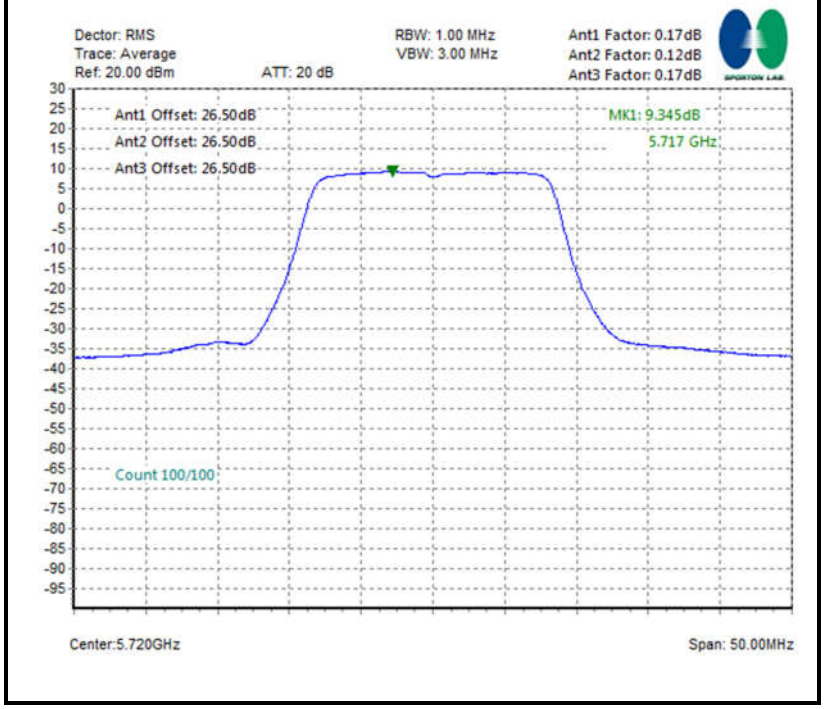
<TXBF Mode> APIN0304

Worst Case Power Density (dBm/MHz)
Band II MIMO Ant.1+2+3 802.11a 6Mbps CH52



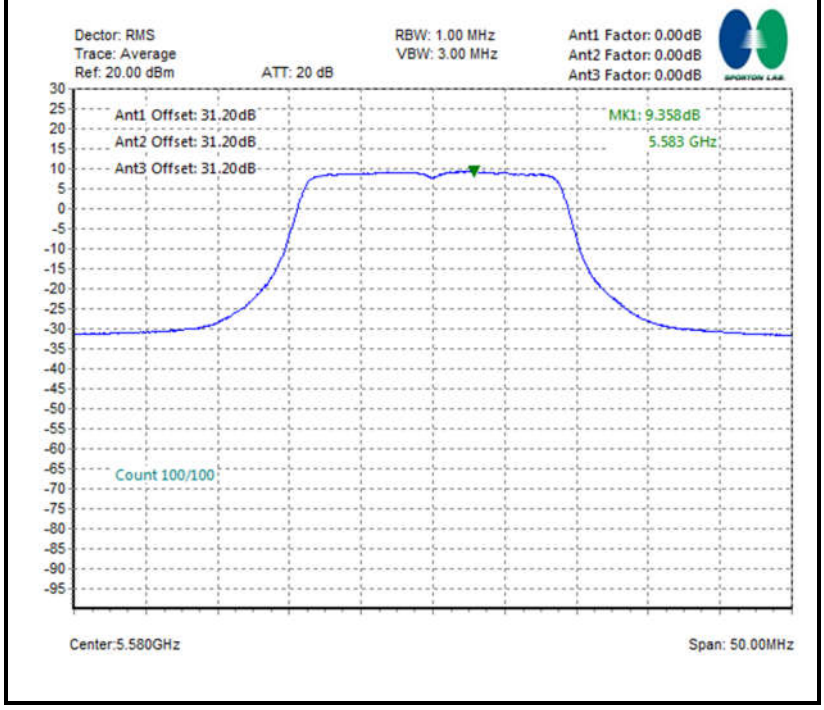
<CDD Mode> APIN0305

Worst Case Power Density (dBm/MHz)
Band III MIMO Ant.1+2+3 802.11a 6Mbps CH144



<TXBF Mode> APIN0305

Worst Case Power Density (dBm/MHz)
Band III MIMO Ant.1+2+3 802.11ac VHT20 MCS0 CH116



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 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

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

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

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

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

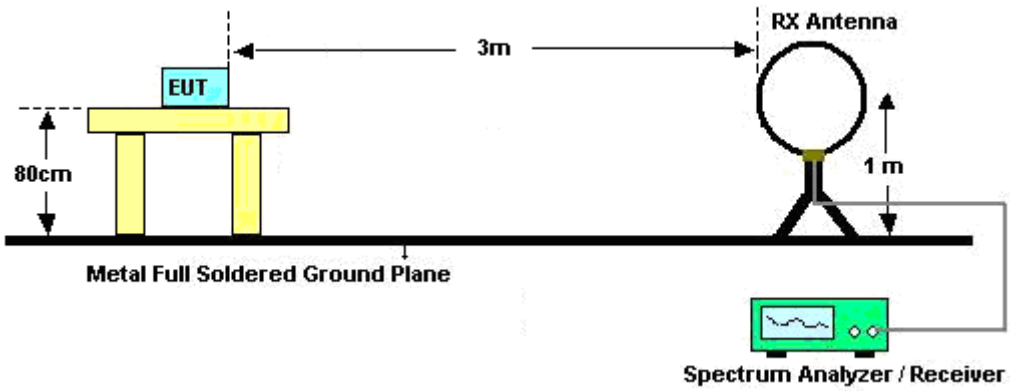
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - 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.

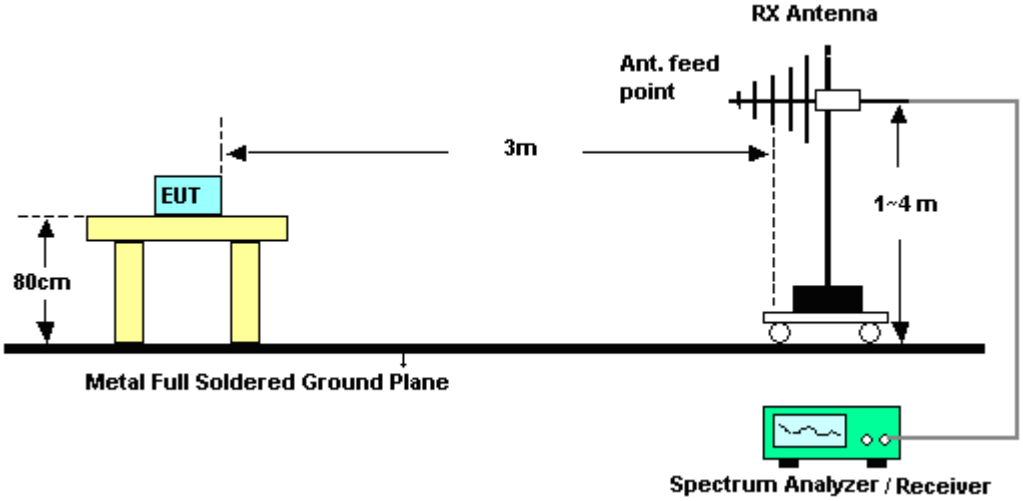
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

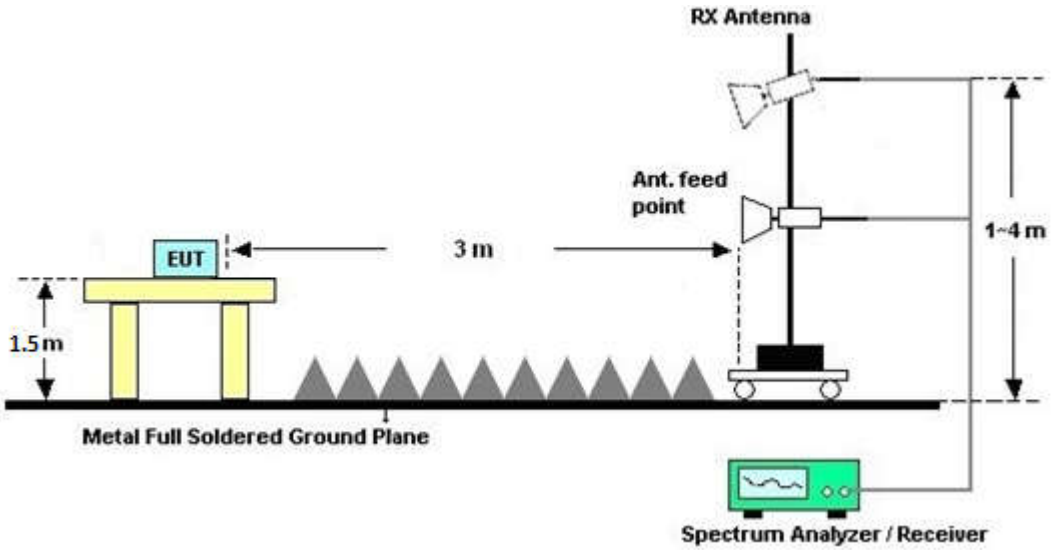


For radiated emissions from 30MHz to 1GHz

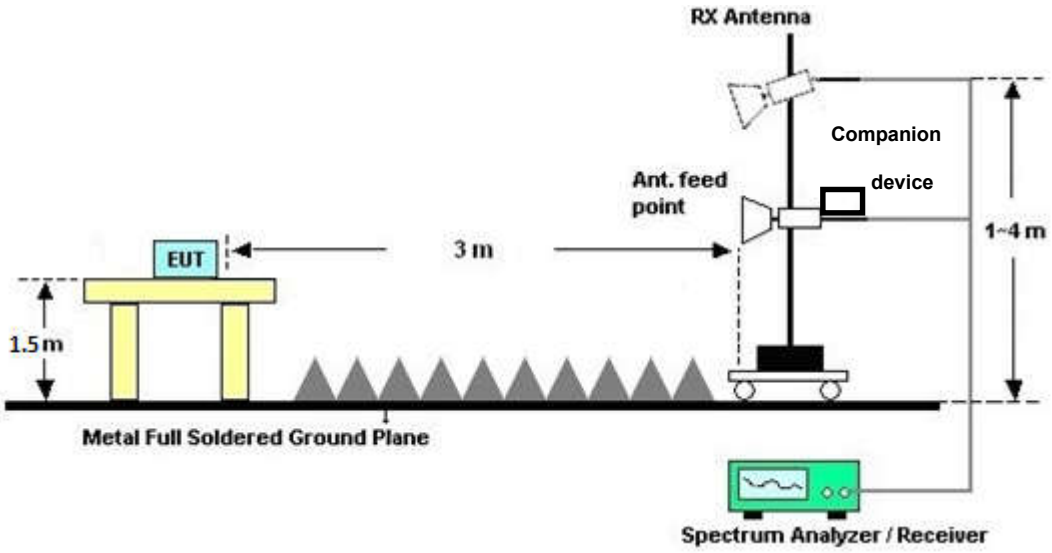


For radiated emissions above 1GHz

CDD Mode



TXBF Mode



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

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

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

Please refer to Appendix B and C.

Remark: Pre-scanned all test modes and only choose the worst case mode recorded in the test report for radiated spurious emission below 1GHz.

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.

For terminal test result, the testing follows FCC KDB 174176.

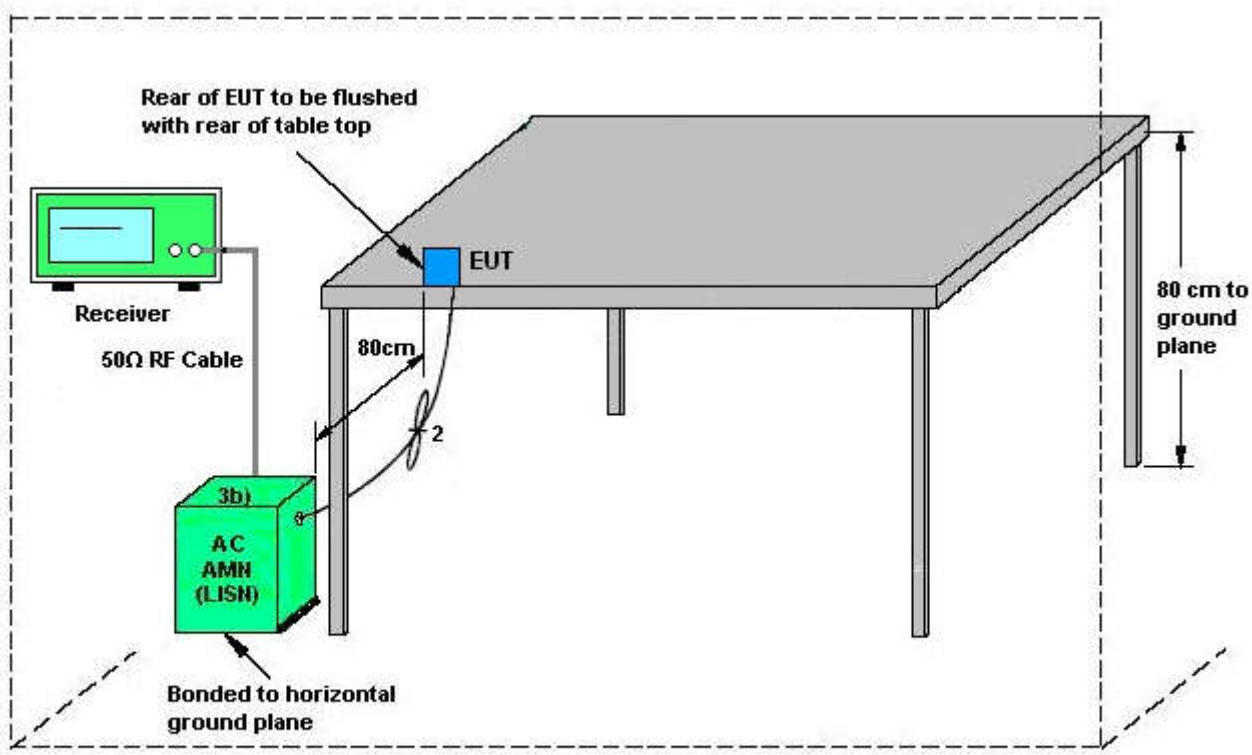
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

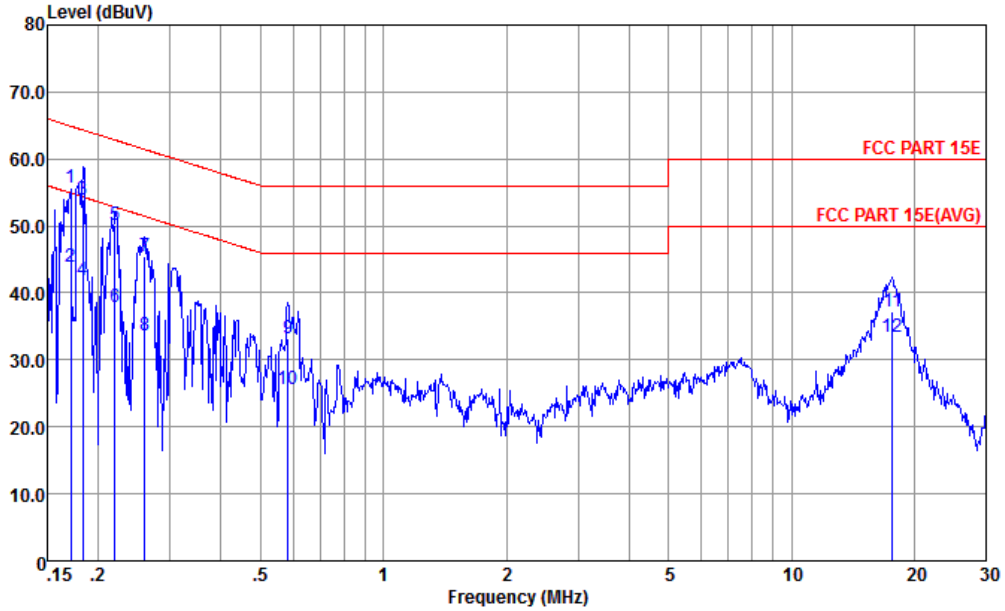
3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Test Mode :	Mode 3	Temperature :	22~24℃
Test Engineer :	Morris Li	Relative Humidity :	44~46%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	Bluetooth Link + WLAN (5G) Link + Adapter for Sample 3		

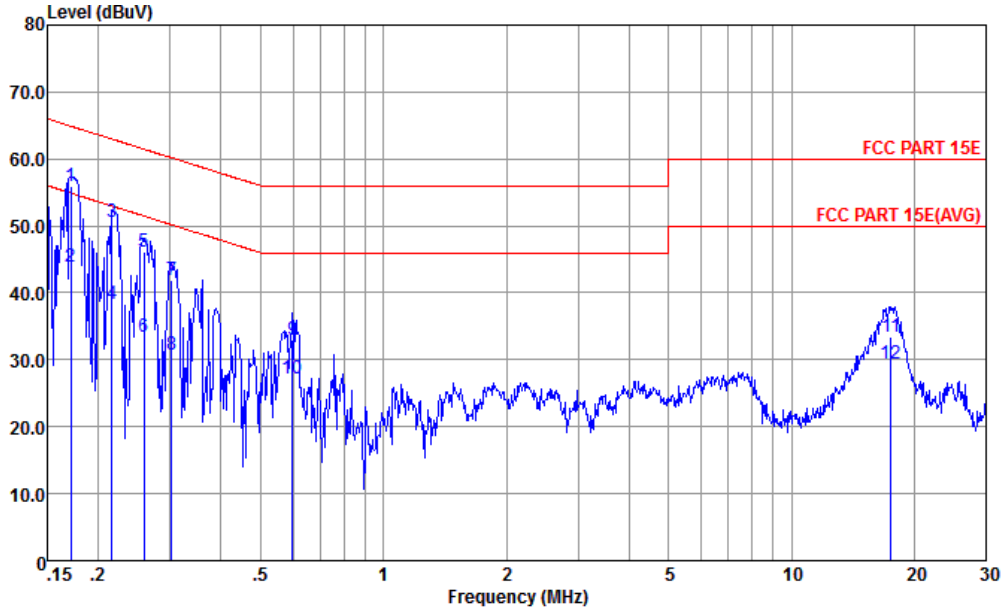


Site : CO01-KS
Condition : FCC PART 15E LISN-L-20151024 LINE

mode : Mode 3

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.171	55.81	-9.09	64.90	45.30	0.39	10.12	QP
2	0.171	43.91	-10.99	54.90	33.40	0.39	10.12	Average
3	0.183	54.03	-10.30	64.33	43.60	0.31	10.12	QP
4	0.183	41.93	-12.40	54.33	31.50	0.31	10.12	Average
5	0.220	50.05	-12.78	62.83	39.70	0.22	10.13	QP
6	0.220	37.95	-14.88	52.83	27.60	0.22	10.13	Average
7	0.260	45.47	-15.95	61.42	35.11	0.22	10.14	QP
8	0.260	33.57	-17.85	51.42	23.21	0.22	10.14	Average
9	0.582	33.09	-22.91	56.00	22.70	0.23	10.16	QP
10	0.582	25.69	-20.31	46.00	15.30	0.23	10.16	Average
11	17.661	37.23	-22.77	60.00	26.49	0.27	10.47	QP
12	17.661	33.43	-16.57	50.00	22.69	0.27	10.47	Average

Test Mode :	Mode 3	Temperature :	22~24℃
Test Engineer :	Morris Li	Relative Humidity :	44~46%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	Bluetooth Link + WLAN (5G) Link + Adapter for Sample 3		



Site : CO01-KS
Condition : FCC PART 15E LISN-N-20151024 NEUTRAL

mode : Mode 3

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	*	0.171	55.92	-8.98	64.90	45.50	0.30	10.12	QP
2		0.171	43.82	-11.08	54.90	33.40	0.30	10.12	Average
3		0.216	50.64	-12.32	62.96	40.20	0.31	10.13	QP
4		0.216	38.34	-14.62	52.96	27.90	0.31	10.13	Average
5		0.259	46.16	-15.31	61.47	35.71	0.31	10.14	QP
6		0.259	33.36	-18.11	51.47	22.91	0.31	10.14	Average
7		0.302	41.96	-18.23	60.19	31.50	0.31	10.15	QP
8		0.302	30.76	-19.43	50.19	20.30	0.31	10.15	Average
9		0.598	33.09	-22.91	56.00	22.60	0.33	10.16	QP
10		0.598	27.29	-18.71	46.00	16.80	0.33	10.16	Average
11		17.568	33.52	-26.48	60.00	22.80	0.26	10.46	QP
12		17.568	29.42	-20.58	50.00	18.70	0.26	10.46	Average

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.

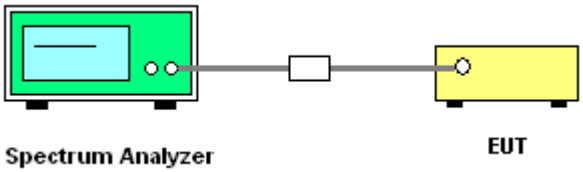
3.6.2 Measuring Instruments

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

Please refer to Appendix A.

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

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used for APIN0305(Mode Name)

Non-standard antenna connector is used for APIN0304(Mode Name)

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.

APIN0304

5.3G Band Antenna	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
1+2+3	6.00	10.77	0.00	4.77

5.5G Band Antenna	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
1+2+3	6.00	10.77	0.00	4.77

APIN0305

5.3G Band Antenna	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
1+2+3	2.80	7.57	0.00	1.57

5.5G Band Antenna	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
1+2+3	2.80	7.57	0.00	1.57

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 802.11 n/ac 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.

APIN0304

5.3G Band Antenna	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
1+2+3	10.77	10.77	4.77	4.77

5.5G Band Antenna	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
1+2+3	10.77	10.77	4.77	4.77

APIN0305

5.3G Band Antenna	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
1+2+3	7.57	7.57	1.57	1.57

5.5G Band Antenna	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
1+2+3	7.57	7.57	1.57	1.57

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	Mar. 12, 2017~ Jul. 12, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Mar. 12, 2017~ Jul. 12, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jul. 17, 2016	Mar. 12, 2017~ Jul. 12, 2017	Jul. 16, 2017	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 01, 2016	Mar. 12, 2017~ Jul. 12, 2017	Aug. 31, 2017	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890094	1V~20V 0.5A~5A	Oct. 11, 2016	Mar. 12, 2017~ Jul. 12, 2017	Oct. 10, 2017	Conducted (TH05-HY)
AC Power Source	AC POWER	AFC-500W	F104070011	50Hz~60Hz	Dec. 01, 2016	Mar. 12, 2017~ Jul. 12, 2017	Nov. 30, 2017	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	May 05, 2017	May 09, 2017~ Jul. 08, 2017	May 04, 2018	Radiation (03CH07-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35419&03	30MHz to 1GHz	Jan. 07, 2017	May 09, 2017~ Jul. 08, 2017	Jan. 06, 2018	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Aug. 19, 2016	May 09, 2017~ Jul. 08, 2017	Aug. 18, 2017	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 08, 2016	May 09, 2017~ Jul. 08, 2017	Nov. 07, 2017	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz-1GHz	Mar. 14, 2017	May 09, 2017~ Jul. 08, 2017	Mar. 13, 2018	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590075	1GHz ~ 18GHz	Apr. 25, 2017	May 09, 2017~ Jul. 08, 2017	Apr. 24, 2018	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Oct. 12, 2016	May 09, 2017~ Jul. 08, 2017	Oct. 11, 2017	Radiation (03CH07-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2016	May 09, 2017~ Jul. 08, 2017	Jul. 15, 2017	Radiation (03CH07-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz to 26.5GHz	Jan. 12, 2017	May 09, 2017~ Jul. 08, 2017	Jan. 11, 2018	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Apr. 17, 2017	May 09, 2017~ Jul. 08, 2017	Apr. 16, 2018	Radiation (03CH07-HY)
Controller	ChainTek	Chaintek 3000	N/A	Control Turn table	N/A	May 09, 2017~ Jul. 08, 2017	N/A	Radiation (03CH07-HY)
Controller	Max-Full	MF7802	MF780208368	Control Ant Mast	N/A	May 09, 2017~ Jul. 08, 2017	N/A	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	May 09, 2017~ Jul. 08, 2017	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	May 09, 2017~ Jun. 21, 2017	N/A	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Oct. 20, 2016	Apr. 24, 2017~ Jul. 05, 2017	Oct. 19, 2018	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103&04	30MHz to 1GHz	Jan. 07, 2017	Apr. 24, 2017~ Jul. 05, 2017	Jan. 06, 2018	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz ~ 18GHz	Mar. 17, 2017	Apr. 24, 2017~ Jul. 05, 2017	Mar. 16, 2018	Radiation (03CH13-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz- 40GHz	Nov. 08, 2016	Apr. 24, 2017~ Jul. 05, 2017	Nov. 07, 2017	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 21, 2016	Apr. 24, 2017~ Jul. 05, 2017	Dec. 20, 2017	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800	2025787	1GHZ~18GHZ	Feb. 13, 2017	Apr. 24, 2017~ Jul. 05, 2017	Feb. 12, 2018	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Jan. 09, 2017	Apr. 24, 2017~ Jul. 05, 2017	Jan. 08, 2018	Radiation (03CH13-HY)
Preamplifier	MITEQ	TTA 1840-35-HG	1887435	18GHz ~ 40GHz	Oct. 13, 2016	Apr. 24, 2017~ Jul. 05, 2017	Oct. 12, 2017	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	N/A	Mar. 15, 2017	Apr. 24, 2017~ Jul. 05, 2017	Mar. 14, 2018	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 24, 2017~ Jul. 05, 2017	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Apr. 24, 2017~ Jul. 05, 2017	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Apr. 24, 2017~ Jul. 05, 2017	N/A	Radiation (03CH13-HY)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz; Max 30dBm	Aug. 09, 2016	Sep. 07, 2016	Aug. 08, 2017	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 24, 2015	Sep. 07, 2016	Oct. 23, 2016	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 24, 2015	Sep. 07, 2016	Oct. 23, 2016	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 24, 2015	Sep. 07, 2016	Oct. 23, 2016	Conduction (CO01-KS)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.3dB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz) for 03CH07-HY

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.7dB

Uncertainty of Radiated Emission Measurement (1GHz ~ 18GHz) for 03CH07-HY

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.5dB

Uncertainty of Radiated Emission Measurement (18GHz ~ 40GHz) for 03CH07-HY

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

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz) for 03CH13-HY

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

Uncertainty of Radiated Emission Measurement (1GHz ~ 18GHz) for 03CH13-HY

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

Uncertainty of Radiated Emission Measurement (18GHz ~ 40GHz) for 03CH13-HY

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

Appendix A. Conducted Test Results

Report Number : FR670709E

Test Engineer:	Shiming Liu, Aking Chang, Kai Liao	Temperature:	21~25	°C
Test Date:	2017/3/12 ~ 2017/7/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW APIN0304

Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				Note
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
11a	6Mbps	3	52	5260	20.95	20.85	20.80		23.98	23.98	23.98		
11a	6Mbps	3	60	5300	21.10	20.85	21.10		23.98	23.98	23.98		
11a	6Mbps	3	64	5320	21.00	20.95	21.20		23.98	23.98	23.98		
VHT20	MCS0	3	52	5260	21.90	22.00	22.00		23.98	23.98	23.98		
VHT20	MCS0	3	60	5300	22.00	21.90	22.10		23.98	23.98	23.98		
VHT20	MCS0	3	64	5320	21.85	21.95	22.10		23.98	23.98	23.98		
VHT40	MCS0	3	54	5270	40.14	40.32	40.50		23.98	23.98	23.98		
VHT40	MCS0	3	62	5310	40.23	40.50	40.50		23.98	23.98	23.98		
VHT80	MCS0	3	58	5290	84.48	84.48	84.48		23.98	23.98	23.98		

Band II																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)				IC 99% Bandwidth Power Limit (dBm)				IC 99% Bandwidth EIRP Limit (dBm)			
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4
11a	6Mbps	3	52	5260	17.20	17.20	17.20		23.36	23.36	23.36		29.36	29.36	29.36	
11a	6Mbps	3	60	5300	17.20	17.10	17.15		23.36	23.33	23.34		29.36	29.33	29.34	
11a	6Mbps	3	64	5320	17.20	17.10	17.10		23.36	23.33	23.33		29.36	29.33	29.33	
VHT20	MCS0	3	52	5260	18.25	18.25	18.25		23.61	23.61	23.61		29.61	29.61	29.61	
VHT20	MCS0	3	60	5300	18.15	18.20	18.20		23.59	23.60	23.60		29.59	29.60	29.60	
VHT20	MCS0	3	64	5320	18.20	18.30	18.20		23.60	23.62	23.60		29.60	29.62	29.60	
VHT40	MCS0	3	54	5270	36.30	36.10	36.20		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40	MCS0	3	62	5310	36.10	36.10	36.20		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80	MCS0	3	58	5290	75.96	75.84	75.96		23.98	23.98	23.98		30.00	30.00	30.00	

Report Number : FR670709E

TEST RESULTS DATA
Average Power Table APIN0304

FCC Band II																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM						3Tx
11a	6Mbps	3	52	5260	1+2+3	13.07	12.48	12.62		17.50	23.98	6.00	23.50	30.00	Pass	13
11a	6Mbps	3	60	5300	1+2+3	12.62	12.25	12.62		17.27	23.98	6.00	23.27	30.00	Pass	13
11a	6Mbps	3	64	5320	1+2+3	13.18	12.48	12.87		17.62	23.98	6.00	23.62	30.00	Pass	13.5
VHT20	MCS0	3	52	5260	1+2+3	12.58	13.04	12.63		17.52	23.98	6.00	23.52	30.00	Pass	13
VHT20	MCS0	3	60	5300	1+2+3	12.54	12.52	12.89		17.42	23.98	6.00	23.42	30.00	Pass	13
VHT20	MCS0	3	64	5320	1+2+3	12.53	12.37	12.73		17.32	23.98	6.00	23.32	30.00	Pass	13
VHT40	MCS0	3	54	5270	1+2+3	15.24	15.19	15.47		20.07	23.98	6.00	26.07	30.00	Pass	14.5
VHT40	MCS0	3	62	5310	1+2+3	14.04	13.91	14.01		18.76	23.98	6.00	24.76	30.00	Pass	13
VHT80	MCS0	3	58	5290	1+2+3	11.38	11.16	11.22		16.02	23.98	6.00	22.02	30.00	Pass	11

TEST RESULTS DATA
Power Spectral Density APIN0304

Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Ant	Duty Factor (dB)				Average PSD with Duty Factor (dBm/MHz)	PSD Limit (dBm/ MHz)	DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4					
11a	6Mbps	3	52	5260	1+2+3	0.17	0.13	0.17		5.85	6.23	10.77		Pass
11a	6Mbps	3	60	5300	1+2+3	0.17	0.13	0.17		5.70	6.23	10.77		Pass
11a	6Mbps	3	64	5320	1+2+3	0.17	0.13	0.17		5.88	6.23	10.77		Pass
VHT20	MCS0	3	52	5260	1+2+3	0.08	0.08	0.05		6.19	6.23	10.77		Pass
VHT20	MCS0	3	60	5300	1+2+3	0.08	0.08	0.05		6.20	6.23	10.77		Pass
VHT20	MCS0	3	64	5320	1+2+3	0.08	0.08	0.05		6.04	6.23	10.77		Pass
VHT40	MCS0	3	54	5270	1+2+3	0.11	0.11	0.14		6.18	6.23	10.77		Pass
VHT40	MCS0	3	62	5310	1+2+3	0.11	0.11	0.14		3.52	6.23	10.77		Pass
VHT80	MCS0	3	58	5290	1+2+3	0.26	0.29	0.26		-2.54	6.23	10.77		Pass

TEST RESULTS DATA
26dB and 99% OBW APIN0304

Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				Note
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
11a	6Mbps	3	100	5500	21.20	20.90	21.15		23.98	23.98	23.98		
11a	6Mbps	3	116	5580	20.90	21.00	21.30		23.98	23.98	23.98		
11a	6Mbps	3	140	5700	20.85	20.95	21.05		23.98	23.98	23.98		
11a	6Mbps	3	144	5720	20.90	20.80	21.20		23.98	23.98	23.98		
VHT20	MCS0	3	100	5500	21.60	21.60	22.00		23.98	23.98	23.98		
VHT20	MCS0	3	116	5580	21.85	22.00	21.95		23.98	23.98	23.98		
VHT20	MCS0	3	140	5700	21.90	21.70	22.00		23.98	23.98	23.98		
VHT20	MCS0	3	144	5720	22.25	22.00	21.90		23.98	23.98	23.98		
VHT40	MCS0	3	102	5510	40.32	40.68	40.50		23.98	23.98	23.98		
VHT40	MCS0	3	110	5550	40.50	40.68	40.50		23.98	23.98	23.98		
VHT40	MCS0	3	134	5670	40.14	40.50	40.32		23.98	23.98	23.98		
VHT40	MCS0	3	142	5710	40.14	40.32	40.50		23.98	23.98	23.98		
VHT80	MCS0	3	106	5530	85.44	85.44	84.16		23.98	23.98	23.98		
VHT80	MCS0	3	122	5610	85.59	84.48	84.80		23.98	23.98	23.98		
VHT80	MCS0	3	138	5690	84.80	84.16	83.52		23.98	23.98	23.98		

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)				IC 99% Bandwidth Power Limit (dBm)				IC 99% Bandwidth EIRP Limit (dBm)			
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4
11a	6Mbps	3	100	5500	17.20	17.20	17.20		23.36	23.36	23.36		29.36	29.36	29.36	
11a	6Mbps	3	116	5580	17.10	17.20	17.15		23.33	23.36	23.34		29.33	29.36	29.34	
11a	6Mbps	3	140	5700	17.15	17.15	17.15		23.34	23.34	23.34		29.34	29.34	29.34	
11a	6Mbps	3	144	5720	17.20	17.15	17.25		23.36	23.34	23.37		29.36	29.34	29.37	
VHT20	MCS0	3	100	5500	18.10	18.20	18.20		23.58	23.60	23.60		29.58	29.60	29.60	
VHT20	MCS0	3	116	5580	18.15	18.15	18.15		23.59	23.59	23.59		29.59	29.59	29.59	
VHT20	MCS0	3	140	5700	18.25	18.15	18.25		23.61	23.59	23.61		29.61	29.59	29.61	
VHT20	MCS0	3	144	5720	18.25	18.15	18.25		23.61	23.59	23.61		29.61	29.59	29.61	
VHT40	MCS0	3	102	5510	36.20	36.30	36.20		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40	MCS0	3	110	5550	36.10	36.30	36.30		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40	MCS0	3	134	5670	36.10	36.20	36.20		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40	MCS0	3	142	5710	36.10	36.10	36.10		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80	MCS0	3	106	5530	75.96	75.96	75.96		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80	MCS0	3	122	5610	75.84	76.08	75.96		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80	MCS0	3	138	5690	75.72	75.96	75.84		23.98	23.98	23.98		30.00	30.00	30.00	

TEST RESULTS DATA
Average Power Table APIN0304

FCC Band III																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM						3Tx
11a	6Mbps	3	100	5500	1+2+3	11.61	11.12	11.85		16.31	23.98	6.00	22.31	30.00	Pass	12.5
11a	6Mbps	3	116	5580	1+2+3	11.43	10.88	11.68		16.11	23.98	6.00	22.11	30.00	Pass	12.5
11a	6Mbps	3	140	5700	1+2+3	11.68	11.38	12.33		16.58	23.98	6.00	22.58	30.00	Pass	13.5
11a	6Mbps	3	144	5720	1+2+3	11.99	12.60	12.64		17.19	23.98	6.00	23.19	30.00	Pass	13
VHT20	MCS0	3	100	5500	1+2+3	12.64	12.36	13.05		17.46	23.98	6.00	23.46	30.00	Pass	13.5
VHT20	MCS0	3	116	5580	1+2+3	12.38	12.06	12.68		17.15	23.98	6.00	23.15	30.00	Pass	13.5
VHT20	MCS0	3	140	5700	1+2+3	11.78	12.12	12.10		16.77	23.98	6.00	22.77	30.00	Pass	13
VHT20	MCS0	3	144	5720	1+2+3	12.11	12.38	12.73		17.18	23.98	6.00	23.18	30.00	Pass	13.5
VHT40	MCS0	3	102	5510	1+2+3	15.01	15.09	15.50		19.97	23.98	6.00	25.97	30.00	Pass	15
VHT40	MCS0	3	110	5550	1+2+3	14.83	14.88	15.40		19.81	23.98	6.00	25.81	30.00	Pass	15
VHT40	MCS0	3	134	5670	1+2+3	14.56	15.01	15.22		19.71	23.98	6.00	25.71	30.00	Pass	15
VHT40	MCS0	3	142	5710	1+2+3	14.34	15.12	15.30		19.71	23.98	6.00	25.71	30.00	Pass	15
VHT80	MCS0	3	106	5530	1+2+3	12.50	12.15	12.19		17.05	23.98	6.00	23.05	30.00	Pass	12.5
VHT80	MCS0	3	122	5610	1+2+3	17.85	17.73	17.56		22.48	23.98	6.00	28.48	30.00	Pass	18.5
VHT80	MCS0	3	138	5690	1+2+3	17.22	17.91	18.00		22.49	23.98	6.00	28.49	30.00	Pass	18.5

TEST RESULTS DATA
Power Spectral Density APIN0304

Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Ant	Duty Factor (dB)				Average PSD with Duty Factor (dBm/MHz)	PSD Limit (dBm/ MHz)	DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4					
11a	6Mbps	3	100	5500	1+2+3	0.17	0.13	0.17		5.88	6.23	10.77		Pass
11a	6Mbps	3	116	5580	1+2+3	0.17	0.13	0.17		6.00	6.23	10.77		Pass
11a	6Mbps	3	140	5700	1+2+3	0.17	0.13	0.17		5.82	6.23	10.77		Pass
11a	6Mbps	3	144	5720	1+2+3	0.17	0.13	0.17		6.10	6.23	10.77		Pass
VHT20	MCS0	3	100	5500	1+2+3	0.08	0.08	0.05		6.06	6.23	10.77		Pass
VHT20	MCS0	3	116	5580	1+2+3	0.08	0.08	0.05		6.21	6.23	10.77		Pass
VHT20	MCS0	3	140	5700	1+2+3	0.08	0.08	0.05		5.82	6.23	10.77		Pass
VHT20	MCS0	3	144	5720	1+2+3	0.08	0.08	0.05		6.12	6.23	10.77		Pass
VHT40	MCS0	3	102	5510	1+2+3	0.11	0.11	0.14		5.87	6.23	10.77		Pass
VHT40	MCS0	3	110	5550	1+2+3	0.11	0.11	0.14		5.85	6.23	10.77		Pass
VHT40	MCS0	3	134	5670	1+2+3	0.11	0.11	0.14		6.10	6.23	10.77		Pass
VHT40	MCS0	3	142	5710	1+2+3	0.11	0.11	0.14		5.98	6.23	10.77		Pass
VHT80	MCS0	3	106	5530	1+2+3	0.26	0.29	0.26		-0.53	6.23	10.77		Pass
VHT80	MCS0	3	122	5610	1+2+3	0.26	0.29	0.26		5.02	6.23	10.77		Pass
VHT80	MCS0	3	138	5690	1+2+3	0.26	0.29	0.26		5.76	6.23	10.77		Pass

TEST RESULTS DATA
26dB and 99% OBW APIN0304

Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				Note
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
VHT20(BF)	MCS0	3	52	5260	24.85	24.25	25.20		23.98	23.98	23.98		
VHT20(BF)	MCS0	3	60	5300	24.80	24.20	25.05		23.98	23.98	23.98		
VHT20(BF)	MCS0	3	64	5320	23.95	24.35	24.70		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	54	5270	44.28	44.46	44.91		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	62	5310	43.80	45.36	43.47		23.98	23.98	23.98		
VHT80(BF)	MCS0	3	58	5290	86.08	88.96	86.88		23.98	23.98	23.98		

Band II																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)				IC 99% Bandwidth Power Limit (dBm)				IC 99% Bandwidth EIRP Limit (dBm)			
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4
VHT20(BF)	MCS0	3	52	5260	18.95	18.75	18.90		23.78	23.73	23.76		29.78	29.73	29.76	
VHT20(BF)	MCS0	3	60	5300	18.90	18.75	18.90		23.76	23.73	23.76		29.76	29.73	29.76	
VHT20(BF)	MCS0	3	64	5320	18.75	18.70	18.85		23.73	23.72	23.75		29.73	29.72	29.75	
VHT40(BF)	MCS0	3	54	5270	37.00	36.80	37.00		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40(BF)	MCS0	3	62	5310	36.80	36.80	36.90		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80(BF)	MCS0	3	58	5290	76.20	76.20	76.32		23.98	23.98	23.98		30.00	30.00	30.00	

TEST RESULTS DATA
Average Power Table APIN0304

FCC Band II																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM						3Tx
VHT20(BF)	MCS0	3	52	5260	1+2+3	14.10	14.40	13.70		18.85	19.21	10.77	29.62	30.00	Pass	19
VHT20(BF)	MCS0	3	60	5300	1+2+3	14.10	14.20	13.90		18.84	19.21	10.77	29.61	30.00	Pass	19
VHT20(BF)	MCS0	3	64	5320	1+2+3	14.10	14.10	14.00		18.84	19.21	10.77	29.61	30.00	Pass	19
VHT40(BF)	MCS0	3	54	5270	1+2+3	14.20	14.70	13.60		18.96	19.21	10.77	29.73	30.00	Pass	18.5
VHT40(BF)	MCS0	3	62	5310	1+2+3	14.20	13.50	13.30		18.46	19.21	10.77	29.23	30.00	Pass	18
VHT80(BF)	MCS0	3	58	5290	1+2+3	10.50	9.80	10.00		14.88	19.21	10.77	25.65	30.00	Pass	12

TEST RESULTS DATA
Power Spectral Density APIN0304

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Ant	Average PSD with Duty Factor (dBm/MHz)	PSD Limit (dBm/MHz)	DG (dBi)		Pass /Fail
VHT20(BF)	MCS0	3	52	5260	1+2+3	6.09	6.23	10.77		Pass
VHT20(BF)	MCS0	3	60	5300	1+2+3	5.75	6.23	10.77		Pass
VHT20(BF)	MCS0	3	64	5320	1+2+3	5.63	6.23	10.77		Pass
VHT40(BF)	MCS0	3	54	5270	1+2+3	3.75	6.23	10.77		Pass
VHT40(BF)	MCS0	3	62	5310	1+2+3	3.03	6.23	10.77		Pass
VHT80(BF)	MCS0	3	58	5290	1+2+3	-6.94	6.23	10.77		Pass

TEST RESULTS DATA
26dB and 99% OBW APIN0304

Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				Note
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
VHT20(BF)	MCS0	3	100	5500	24.75	25.00	25.30		23.98	23.98	23.98		
VHT20(BF)	MCS0	3	116	5580	24.45	24.70	25.05		23.98	23.98	23.98		
VHT20(BF)	MCS0	3	140	5700	24.50	24.70	24.55		23.98	23.98	23.98		
VHT20(BF)	MCS0	3	144	5720	22.10	22.00	21.90		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	102	5510	44.28	44.28	45.45		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	110	5550	44.82	44.46	44.55		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	134	5670	44.37	44.01	43.92		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	142	5710	40.50	40.50	40.50		23.98	23.98	23.98		
VHT80(BF)	MCS0	3	106	5530	88.64	89.12	87.68		23.98	23.98	23.98		
VHT80(BF)	MCS0	3	122	5610	85.12	88.80	87.68		23.98	23.98	23.98		
VHT80(BF)	MCS0	3	138	5690	84.80	84.48	83.20		23.98	23.98	23.98		

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)				IC 99% Bandwidth Power Limit (dBm)				IC 99% Bandwidth EIRP Limit (dBm)			
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4
VHT20(BF)	MCS0	3	100	5500	18.80	18.75	18.75		23.74	23.73	23.73		29.74	29.73	29.73	
VHT20(BF)	MCS0	3	116	5580	18.85	18.75	18.90		23.75	23.73	23.76		29.75	29.73	29.76	
VHT20(BF)	MCS0	3	140	5700	19.20	18.85	18.95		23.83	23.75	23.78		29.83	29.75	29.78	
VHT20(BF)	MCS0	3	144	5720	18.25	18.15	18.25		23.61	23.59	23.61		29.61	29.59	29.61	
VHT40(BF)	MCS0	3	102	5510	36.90	37.00	36.90		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40(BF)	MCS0	3	110	5550	36.80	37.10	36.90		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40(BF)	MCS0	3	134	5670	36.70	36.90	37.10		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40(BF)	MCS0	3	142	5710	36.40	36.40	36.20		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80(BF)	MCS0	3	106	5530	76.20	76.32	76.20		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80(BF)	MCS0	3	122	5610	76.32	76.08	76.32		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80(BF)	MCS0	3	138	5690	75.96	75.84	76.20		23.98	23.98	23.98		30.00	30.00	30.00	

TEST RESULTS DATA
Average Power Table APIN0304

FCC Band III																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM						3Tx
VHT20(BF)	MCS0	3	100	5500	1+2+3	13.00	13.30	13.60		18.08	19.21	10.77	28.85	30.00	Pass	19
VHT20(BF)	MCS0	3	116	5580	1+2+3	12.50	12.40	12.40		17.20	19.21	10.77	27.98	30.00	Pass	18.5
VHT20(BF)	MCS0	3	140	5700	1+2+3	9.60	9.20	9.30		14.14	19.21	10.77	24.91	30.00	Pass	16.5
VHT20(BF)	MCS0	3	144	5720	1+2+3	13.20	13.60	14.20		18.46	19.21	10.77	29.23	30.00	Pass	20
VHT40(BF)	MCS0	3	102	5510	1+2+3	14.10	13.50	13.60		18.51	19.21	10.77	29.28	30.00	Pass	19
VHT40(BF)	MCS0	3	110	5550	1+2+3	13.70	13.80	13.60		18.47	19.21	10.77	29.24	30.00	Pass	19
VHT40(BF)	MCS0	3	134	5670	1+2+3	13.70	14.20	14.40		18.88	19.21	10.77	29.65	30.00	Pass	19.5
VHT40(BF)	MCS0	3	142	5710	1+2+3	13.70	13.90	14.20		18.71	19.21	10.77	29.48	30.00	Pass	19
VHT80(BF)	MCS0	3	106	5530	1+2+3	11.10	10.10	10.50		15.36	19.21	10.77	26.13	30.00	Pass	13.5
VHT80(BF)	MCS0	3	122	5610	1+2+3	11.70	11.20	11.30		16.18	19.21	10.77	26.95	30.00	Pass	14.5
VHT80(BF)	MCS0	3	138	5690	1+2+3	12.80	14.50	14.10		18.63	19.21	10.77	29.40	30.00	Pass	19.5

TEST RESULTS DATA
Power Spectral Density APIN0304

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Ant	Average PSD with Duty Factor (dBm/MHz)	PSD Limit (dBm/MHz)	DG (dBi)		Pass /Fail
VHT20(BF)	MCS0	3	100	5500	1+2+3	6.07	6.23	10.77		Pass
VHT20(BF)	MCS0	3	116	5580	1+2+3	5.91	6.23	10.77		Pass
VHT20(BF)	MCS0	3	140	5700	1+2+3	2.39	6.23	10.77		Pass
VHT20(BF)	MCS0	3	144	5720	1+2+3	5.90	6.23	10.77		Pass
VHT40(BF)	MCS0	3	102	5510	1+2+3	3.64	6.23	10.77		Pass
VHT40(BF)	MCS0	3	110	5550	1+2+3	3.34	6.23	10.77		Pass
VHT40(BF)	MCS0	3	134	5670	1+2+3	3.11	6.23	10.77		Pass
VHT40(BF)	MCS0	3	142	5710	1+2+3	2.85	6.23	10.77		Pass
VHT80(BF)	MCS0	3	106	5530	1+2+3	-5.81	6.23	10.77		Pass
VHT80(BF)	MCS0	3	122	5610	1+2+3	-5.00	6.23	10.77		Pass
VHT80(BF)	MCS0	3	138	5690	1+2+3	-0.60	6.23	10.77		Pass

TEST RESULTS DATA
Frequency Stability APIN0304

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	50	12	
11a	6Mbps	1	64	5320	5320.100	0.100	18.80	-30	12	
11a	6Mbps	1	64	5320	5319.975	-0.025	-4.70	20	12.6	
11a	6Mbps	1	64	5320	5320.285	0.285	53.57	20	11.4	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	12	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	50	12	
11a	6Mbps	1	100	5500	5500.100	0.100	18.18	-30	12	
11a	6Mbps	1	100	5500	5500.025	0.025	4.55	20	12.6	
11a	6Mbps	1	100	5500	5500.025	0.025	4.55	20	11.4	
11a	6Mbps	1	100	5500	5499.975	-0.025	-4.55	20	12	

Report Number : FR670709E

Test Engineer:	Shiming Liu, Aking Chang, Kai Liao	Temperature:	21~25	°C
Test Date:	2017/4/19 ~ 2017/7/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW APIN0305

Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				Note
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
11a	6Mbps	3	52	5260	20.80	20.90	21.20		23.98	23.98	23.98		
11a	6Mbps	3	60	5300	21.40	20.90	21.30		23.98	23.98	23.98		
11a	6Mbps	3	64	5320	21.30	20.70	21.10		23.98	23.98	23.98		
VHT20	MCS0	3	52	5260	22.00	21.90	21.90		23.98	23.98	23.98		
VHT20	MCS0	3	60	5300	21.90	21.95	21.80		23.98	23.98	23.98		
VHT20	MCS0	3	64	5320	21.90	21.70	21.90		23.98	23.98	23.98		
VHT40	MCS0	3	54	5270	40.14	40.68	40.50		23.98	23.98	23.98		
VHT40	MCS0	3	62	5310	40.32	40.32	40.50		23.98	23.98	23.98		
VHT80	MCS0	3	58	5290	84.16	84.16	84.16		23.98	23.98	23.98		

Band II																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)				IC 99% Bandwidth Power Limit (dBm)				IC 99% Bandwidth EIRP Limit (dBm)			
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4
11a	6Mbps	3	52	5260	17.15	17.15	17.10		23.34	23.34	23.33		29.34	29.34	29.33	
11a	6Mbps	3	60	5300	17.15	17.15	17.15		23.34	23.34	23.34		29.34	29.34	29.34	
11a	6Mbps	3	64	5320	17.20	17.15	17.10		23.36	23.34	23.33		29.36	29.34	29.33	
VHT20	MCS0	3	52	5260	18.25	18.20	18.20		23.61	23.60	23.60		29.61	29.60	29.60	
VHT20	MCS0	3	60	5300	18.25	18.20	18.20		23.61	23.60	23.60		29.61	29.60	29.60	
VHT20	MCS0	3	64	5320	18.20	18.20	18.15		23.60	23.60	23.59		29.60	29.60	29.59	
VHT40	MCS0	3	54	5270	36.10	36.30	36.10		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40	MCS0	3	62	5310	36.00	36.20	36.30		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80	MCS0	3	58	5290	75.96	75.96	75.96		23.98	23.98	23.98		30.00	30.00	30.00	

Report Number : FR670709E

TEST RESULTS DATA
Average Power Table APIN0305

FCC Band II																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM						3Tx
11a	6Mbps	3	52	5260	1+2+3	15.95	15.37	15.42		20.36	23.98	2.80	23.16	30.00	Pass	15.5
11a	6Mbps	3	60	5300	1+2+3	16.06	15.45	15.50		20.45	23.98	2.80	23.25	30.00	Pass	15.5
11a	6Mbps	3	64	5320	1+2+3	16.05	15.84	15.63		20.61	23.98	2.80	23.41	30.00	Pass	15.5
VHT20	MCS0	3	52	5260	1+2+3	15.78	15.68	15.48		20.42	23.98	2.80	23.22	30.00	Pass	16
VHT20	MCS0	3	60	5300	1+2+3	15.88	15.75	15.58		20.51	23.98	2.80	23.31	30.00	Pass	16
VHT20	MCS0	3	64	5320	1+2+3	16.39	16.36	15.98		21.02	23.98	2.80	23.82	30.00	Pass	16.5
VHT40	MCS0	3	54	5270	1+2+3	18.45	18.40	18.17		23.11	23.98	2.80	25.91	30.00	Pass	18
VHT40	MCS0	3	62	5310	1+2+3	16.16	15.97	16.28		20.91	23.98	2.80	23.71	30.00	Pass	15.5
VHT80	MCS0	3	58	5290	1+2+3	14.38	14.18	14.50		19.12	23.98	2.80	21.92	30.00	Pass	14

TEST RESULTS DATA
Power Spectral Density APIN0305

Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Ant	Duty Factor (dB)				Average PSD with Duty Factor (dBm/MHz)	PSD Limit (dBm/ MHz)	DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4					
11a	6Mbps	3	52	5260	1+2+3	0.17	0.12	0.17		9.05	9.43	7.57		Pass
11a	6Mbps	3	60	5300	1+2+3	0.17	0.12	0.17		8.84	9.43	7.57		Pass
11a	6Mbps	3	64	5320	1+2+3	0.17	0.12	0.17		8.89	9.43	7.57		Pass
VHT20	MCS0	3	52	5260	1+2+3	0.08	0.08	0.08		8.83	9.43	7.57		Pass
VHT20	MCS0	3	60	5300	1+2+3	0.08	0.08	0.08		8.88	9.43	7.57		Pass
VHT20	MCS0	3	64	5320	1+2+3	0.08	0.08	0.08		9.27	9.43	7.57		Pass
VHT40	MCS0	3	54	5270	1+2+3	0.14	0.14	0.14		9.32	9.43	7.57		Pass
VHT40	MCS0	3	62	5310	1+2+3	0.14	0.14	0.14		5.98	9.43	7.57		Pass
VHT80	MCS0	3	58	5290	1+2+3	0.26	0.26	0.26		0.83	9.43	7.57		Pass

TEST RESULTS DATA
26dB and 99% OBW APIN0305

Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				Note
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
11a	6Mbps	3	100	5500	21.10	20.90	21.25		23.98	23.98	23.98		
11a	6Mbps	3	116	5580	20.90	20.90	21.00		23.98	23.98	23.98		
11a	6Mbps	3	140	5700	20.90	20.85	21.35		23.98	23.98	23.98		
11a	6Mbps	3	144	5720	21.00	20.90	21.00		23.98	23.98	23.98		
VHT20	MCS0	3	100	5500	21.70	22.00	22.10		23.98	23.98	23.98		
VHT20	MCS0	3	116	5580	21.60	21.85	21.80		23.98	23.98	23.98		
VHT20	MCS0	3	140	5700	21.80	21.80	21.95		23.98	23.98	23.98		
VHT20	MCS0	3	144	5720	22.00	21.90	21.95		23.98	23.98	23.98		
VHT40	MCS0	3	102	5510	40.32	40.50	40.32		23.98	23.98	23.98		
VHT40	MCS0	3	110	5550	40.50	40.50	40.50		23.98	23.98	23.98		
VHT40	MCS0	3	134	5670	40.50	40.32	40.32		23.98	23.98	23.98		
VHT40	MCS0	3	142	5710	40.14	40.50	40.32		23.98	23.98	23.98		
VHT80	MCS0	3	106	5530	85.44	84.80	84.38		23.98	23.98	23.98		
VHT80	MCS0	3	122	5610	84.80	84.80	85.76		23.98	23.98	23.98		
VHT80	MCS0	3	138	5690	84.80	84.48	84.80		23.98	23.98	23.98		

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)				IC 99% Bandwidth Power Limit (dBm)				IC 99% Bandwidth EIRP Limit (dBm)			
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4
11a	6Mbps	3	100	5500	17.15	17.20	17.25		23.34	23.36	23.37		29.34	29.36	29.37	
11a	6Mbps	3	116	5580	17.20	17.15	17.15		23.36	23.34	23.34		29.36	29.34	29.34	
11a	6Mbps	3	140	5700	17.20	17.20	17.15		23.36	23.36	23.34		29.36	29.36	29.34	
11a	6Mbps	3	144	5720	17.10	17.15	17.10		23.33	23.34	23.33		29.33	29.34	29.33	
VHT20	MCS0	3	100	5500	18.10	18.25	18.20		23.58	23.61	23.60		29.58	29.61	29.60	
VHT20	MCS0	3	116	5580	18.10	18.20	18.20		23.58	23.60	23.60		29.58	29.60	29.60	
VHT20	MCS0	3	140	5700	18.20	18.15	18.15		23.60	23.59	23.59		29.60	29.59	29.59	
VHT20	MCS0	3	144	5720	18.30	18.25	18.20		23.62	23.61	23.60		29.62	29.61	29.60	
VHT40	MCS0	3	102	5510	36.30	36.20	36.20		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40	MCS0	3	110	5550	36.20	36.20	36.10		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40	MCS0	3	134	5670	36.10	36.20	36.30		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40	MCS0	3	142	5710	35.90	36.30	36.10		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80	MCS0	3	106	5530	75.96	75.84	75.96		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80	MCS0	3	122	5610	75.84	75.96	76.08		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80	MCS0	3	138	5690	75.72	75.96	75.84		23.98	23.98	23.98		30.00	30.00	30.00	

Report Number : FR670709E

TEST RESULTS DATA
Average Power Table APIN0305

FCC Band III																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM						3Tx
11a	6Mbps	3	100	5500	1+2+3	14.78	14.73	14.89		19.57	23.98	2.80	22.37	30.00	Pass	15
11a	6Mbps	3	116	5580	1+2+3	14.12	13.93	14.08		18.81	23.98	2.80	21.61	30.00	Pass	14.5
11a	6Mbps	3	140	5700	1+2+3	15.37	15.37	14.80		19.96	23.98	2.80	22.76	30.00	Pass	13.5
11a	6Mbps	3	144	5720	1+2+3	16.25	16.34	15.97		20.96	23.98	2.80	23.76	30.00	Pass	16
VHT20	MCS0	3	100	5500	1+2+3	16.52	16.49	16.33		21.22	23.98	2.80	24.02	30.00	Pass	16.5
VHT20	MCS0	3	116	5580	1+2+3	16.43	16.23	15.88		20.95	23.98	2.80	23.75	30.00	Pass	16.5
VHT20	MCS0	3	140	5700	1+2+3	16.28	16.21	15.63		20.82	23.98	2.80	23.62	30.00	Pass	16
VHT20	MCS0	3	144	5720	1+2+3	15.82	16.18	15.78		20.70	23.98	2.80	23.50	30.00	Pass	16
VHT40	MCS0	3	102	5510	1+2+3	18.34	18.39	18.37		23.14	23.98	2.80	25.94	30.00	Pass	18
VHT40	MCS0	3	110	5550	1+2+3	18.42	18.46	18.19		23.13	23.98	2.80	25.93	30.00	Pass	18
VHT40	MCS0	3	134	5670	1+2+3	18.39	18.44	18.14		23.10	23.98	2.80	25.90	30.00	Pass	18
VHT40	MCS0	3	142	5710	1+2+3	18.49	18.49	18.34		23.21	23.98	2.80	26.01	30.00	Pass	17.5
VHT80	MCS0	3	106	5530	1+2+3	18.06	17.96	17.98		22.77	23.98	2.80	25.57	30.00	Pass	18
VHT80	MCS0	3	122	5610	1+2+3	18.09	17.81	17.56		22.59	23.98	2.80	25.39	30.00	Pass	18
VHT80	MCS0	3	138	5690	1+2+3	18.26	18.01	17.86		22.81	23.98	2.80	25.61	30.00	Pass	18

TEST RESULTS DATA
Power Spectral Density APIN0305

Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Ant	Duty Factor (dB)				Average PSD with Duty Factor (dBm/MHz)	PSD Limit (dBm/ MHz)	DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4					
11a	6Mbps	3	100	5500	1+2+3	0.17	0.12	0.17		9.20	9.43	7.57		Pass
11a	6Mbps	3	116	5580	1+2+3	0.17	0.12	0.17		8.80	9.43	7.57		Pass
11a	6Mbps	3	140	5700	1+2+3	0.17	0.12	0.17		9.02	9.43	7.57		Pass
11a	6Mbps	3	144	5720	1+2+3	0.17	0.12	0.17		9.35	9.43	7.57		Pass
VHT20	MCS0	3	100	5500	1+2+3	0.08	0.08	0.08		9.10	9.43	7.57		Pass
VHT20	MCS0	3	116	5580	1+2+3	0.08	0.08	0.08		9.25	9.43	7.57		Pass
VHT20	MCS0	3	140	5700	1+2+3	0.08	0.08	0.08		9.17	9.43	7.57		Pass
VHT20	MCS0	3	144	5720	1+2+3	0.08	0.08	0.08		9.07	9.43	7.57		Pass
VHT40	MCS0	3	102	5510	1+2+3	0.14	0.14	0.14		9.02	9.43	7.57		Pass
VHT40	MCS0	3	110	5550	1+2+3	0.14	0.14	0.14		9.15	9.43	7.57		Pass
VHT40	MCS0	3	134	5670	1+2+3	0.14	0.14	0.14		9.21	9.43	7.57		Pass
VHT40	MCS0	3	142	5710	1+2+3	0.14	0.14	0.14		9.04	9.43	7.57		Pass
VHT80	MCS0	3	106	5530	1+2+3	0.26	0.26	0.26		6.12	9.43	7.57		Pass
VHT80	MCS0	3	122	5610	1+2+3	0.26	0.26	0.26		5.91	9.43	7.57		Pass
VHT80	MCS0	3	138	5690	1+2+3	0.26	0.26	0.26		5.57	9.43	7.57		Pass

TEST RESULTS DATA
26dB and 99% OBW APIN0305

Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				Note
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
VHT20(BF)	MCS0	3	52	5260	25.10	24.50	25.10		23.98	23.98	23.98		
VHT20(BF)	MCS0	3	60	5300	25.30	25.20	25.00		23.98	23.98	23.98		
VHT20(BF)	MCS0	3	64	5320	25.00	25.00	25.95		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	54	5270	45.45	44.82	43.92		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	62	5310	45.00	44.01	44.73		23.98	23.98	23.98		
VHT80(BF)	MCS0	3	58	5290	87.84	88.32	87.36		23.98	23.98	23.98		

Band II																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)				IC 99% Bandwidth Power Limit (dBm)				IC 99% Bandwidth EIRP Limit (dBm)			
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4
VHT20(BF)	MCS0	3	52	5260	18.90	18.65	18.85		23.76	23.71	23.75		29.76	29.71	29.75	
VHT20(BF)	MCS0	3	60	5300	18.80	19.00	18.95		23.74	23.79	23.78		29.74	29.79	29.78	
VHT20(BF)	MCS0	3	64	5320	18.95	18.75	18.70		23.78	23.73	23.72		29.78	29.73	29.72	
VHT40(BF)	MCS0	3	54	5270	36.80	36.90	36.90		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40(BF)	MCS0	3	62	5310	36.70	36.80	37.00		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80(BF)	MCS0	3	58	5290	76.32	76.32	76.44		23.98	23.98	23.98		30.00	30.00	30.00	

TEST RESULTS DATA
Average Power Table APIN0305

FCC Band II																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM						3Tx
VHT20(BF)	MCS0	3	52	5260	1+2+3	17.30	16.70	16.90		21.75	22.41	7.57	29.32	30.00	Pass	22
VHT20(BF)	MCS0	3	60	5300	1+2+3	15.70	17.50	17.30		21.68	22.41	7.57	29.25	30.00	Pass	22
VHT20(BF)	MCS0	3	64	5320	1+2+3	17.60	17.30	17.00		22.08	22.41	7.57	29.65	30.00	Pass	22
VHT40(BF)	MCS0	3	54	5270	1+2+3	17.70	16.70	17.10		21.96	22.41	7.57	29.53	30.00	Pass	22
VHT40(BF)	MCS0	3	62	5310	1+2+3	17.90	17.10	17.00		22.12	22.41	7.57	29.69	30.00	Pass	22
VHT80(BF)	MCS0	3	58	5290	1+2+3	15.90	15.60	16.00		20.61	22.41	7.57	28.18	30.00	Pass	16

TEST RESULTS DATA
Power Spectral Density APIN0305

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Ant	Average PSD with Duty Factor (dBm/MHz)	PSD Limit (dBm/MHz)	DG (dBi)		Pass /Fail
VHT20(BF)	MCS0	3	52	5260	1+2+3	9.33	9.43	7.57		Pass
VHT20(BF)	MCS0	3	60	5300	1+2+3	9.00	9.43	7.57		Pass
VHT20(BF)	MCS0	3	64	5320	1+2+3	8.91	9.43	7.57		Pass
VHT40(BF)	MCS0	3	54	5270	1+2+3	6.57	9.43	7.57		Pass
VHT40(BF)	MCS0	3	62	5310	1+2+3	6.44	9.43	7.57		Pass
VHT80(BF)	MCS0	3	58	5290	1+2+3	0.62	9.43	7.57		Pass

TEST RESULTS DATA
26dB and 99% OBW APIN0305

Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				Note
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	
VHT20(BF)	MCS0	3	100	5500	25.35	24.90	24.70		23.98	23.98	23.98		
VHT20(BF)	MCS0	3	116	5580	25.25	24.80	25.15		23.98	23.98	23.98		
VHT20(BF)	MCS0	3	140	5700	24.80	24.80	25.10		23.98	23.98	23.98		
VHT20(BF)	MCS0	3	144	5720	20.65	20.40	20.65		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	102	5510	45.18	44.73	45.18		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	110	5550	45.00	44.28	44.10		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	134	5670	43.83	43.65	43.65		23.98	23.98	23.98		
VHT40(BF)	MCS0	3	142	5710	40.32	40.32	40.23		23.98	23.98	23.98		
VHT80(BF)	MCS0	3	106	5530	87.52	89.44	88.00		23.98	23.98	23.98		
VHT80(BF)	MCS0	3	122	5610	87.84	88.80	88.32		23.98	23.98	23.98		
VHT80(BF)	MCS0	3	138	5690	85.32	85.12	84.48		23.98	23.98	23.98		

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)				IC 99% Bandwidth Power Limit (dBm)				IC 99% Bandwidth EIRP Limit (dBm)			
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4
VHT20(BF)	MCS0	3	100	5500	18.85	18.90	18.55		23.75	23.76	23.68		29.75	29.76	29.68	
VHT20(BF)	MCS0	3	116	5580	18.80	18.80	18.75		23.74	23.74	23.73		29.74	29.74	29.73	
VHT20(BF)	MCS0	3	140	5700	18.75	18.85	18.90		23.73	23.75	23.76		29.73	29.75	29.76	
VHT20(BF)	MCS0	3	144	5720	17.15	17.15	17.05		23.34	23.34	23.32		29.34	29.34	29.32	
VHT40(BF)	MCS0	3	102	5510	36.90	36.80	36.80		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40(BF)	MCS0	3	110	5550	36.90	36.90	36.90		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40(BF)	MCS0	3	134	5670	36.80	36.80	37.10		23.98	23.98	23.98		30.00	30.00	30.00	
VHT40(BF)	MCS0	3	142	5710	36.30	36.20	36.20		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80(BF)	MCS0	3	106	5530	76.32	76.44	76.44		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80(BF)	MCS0	3	122	5610	76.32	76.08	76.20		23.98	23.98	23.98		30.00	30.00	30.00	
VHT80(BF)	MCS0	3	138	5690	75.84	76.08	75.60		23.98	23.98	23.98		30.00	30.00	30.00	

TEST RESULTS DATA
Average Power Table APIN0305

FCC Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM						3Tx
VHT20(BF)	MCS0	3	100	5500	1+2+3	15.90	16.20	16.30		20.91	22.41	7.57	28.48	30.00	Pass	21
VHT20(BF)	MCS0	3	116	5580	1+2+3	15.80	15.60	15.90		20.54	22.41	7.57	28.11	30.00	Pass	21
VHT20(BF)	MCS0	3	140	5700	1+2+3	16.00	16.50	16.20		21.01	22.41	7.57	28.58	30.00	Pass	22
VHT20(BF)	MCS0	3	144	5720	1+2+3	16.80	16.20	16.50		21.28	22.41	7.57	28.85	30.00	Pass	22
VHT40(BF)	MCS0	3	102	5510	1+2+3	17.10	17.00	17.40		21.94	22.41	7.57	29.51	30.00	Pass	22
VHT40(BF)	MCS0	3	110	5550	1+2+3	17.30	17.00	17.40		22.01	22.41	7.57	29.58	30.00	Pass	22
VHT40(BF)	MCS0	3	134	5670	1+2+3	17.20	17.50	16.90		21.98	22.41	7.57	29.55	30.00	Pass	22
VHT40(BF)	MCS0	3	142	5710	1+2+3	17.40	16.80	17.50		22.02	22.41	7.57	29.59	30.00	Pass	22
VHT80(BF)	MCS0	3	106	5530	1+2+3	15.60	14.60	15.60		20.06	22.41	7.57	27.63	30.00	Pass	16
VHT80(BF)	MCS0	3	122	5610	1+2+3	17.40	17.20	16.90		21.94	22.41	7.57	29.51	30.00	Pass	23
VHT80(BF)	MCS0	3	138	5690	1+2+3	17.00	17.20	17.30		21.94	22.41	7.57	29.51	30.00	Pass	23

TEST RESULTS DATA
Power Spectral Density APIN0305

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Ant	Average PSD with Duty Factor (dBm/MHz)	PSD Limit (dBm/MHz)	DG (dBi)		Pass /Fail
VHT20(BF)	MCS0	3	100	5500	1+2+3	9.16	9.43	7.57		Pass
VHT20(BF)	MCS0	3	116	5580	1+2+3	9.36	9.43	7.57		Pass
VHT20(BF)	MCS0	3	140	5700	1+2+3	8.78	9.43	7.57		Pass
VHT20(BF)	MCS0	3	144	5720	1+2+3	9.06	9.43	7.57		Pass
VHT40(BF)	MCS0	3	102	5510	1+2+3	7.27	9.43	7.57		Pass
VHT40(BF)	MCS0	3	110	5550	1+2+3	7.71	9.43	7.57		Pass
VHT40(BF)	MCS0	3	134	5670	1+2+3	6.88	9.43	7.57		Pass
VHT40(BF)	MCS0	3	142	5710	1+2+3	5.91	9.43	7.57		Pass
VHT80(BF)	MCS0	3	106	5530	1+2+3	-2.50	9.43	7.57		Pass
VHT80(BF)	MCS0	3	122	5610	1+2+3	4.68	9.43	7.57		Pass
VHT80(BF)	MCS0	3	138	5690	1+2+3	3.74	9.43	7.57		Pass

TEST RESULTS DATA
Frequency Stability APIN0305

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	50	12	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	-30	12	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	12.6	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	20	11.4	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	12	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	12	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	-30	12	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	12.6	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	11.4	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	12	

Appendix B. Radiated Spurious Emission

For Sample 1

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m) for CDD Mode

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5057.12	50.59	-23.41	74	41.63	32.21	7.3	30.55	107	117	P	H
		5096.9	41.77	-12.23	54	32.74	32.26	7.32	30.55	107	117	A	H
	*	5260	102.66	-	-	93.3	32.53	7.41	30.58	107	117	P	H
	*	5260	95.18	-	-	85.82	32.53	7.41	30.58	107	117	A	H
		5453.76	49.23	-24.77	74	39.47	32.82	7.54	30.6	107	117	P	H
		5456.64	40.97	-13.03	54	31.21	32.82	7.54	30.6	107	117	A	H
		5068.34	52.11	-21.89	74	43.15	32.21	7.3	30.55	119	40	P	V
		5136	43.22	-10.78	54	34.13	32.31	7.34	30.56	119	40	A	V
	*	5260	116.2	-	-	106.84	32.53	7.41	30.58	119	40	P	V
	*	5260	108.37	-	-	99.01	32.53	7.41	30.58	119	40	A	V
		5460	51.36	-22.64	74	41.6	32.82	7.54	30.6	119	40	P	V
		5440.08	43.79	-10.21	54	34.08	32.79	7.52	30.6	119	40	A	V
802.11a CH 60 5300MHz		5076.5	50.52	-23.48	74	41.53	32.23	7.31	30.55	105	116	P	H
		5079.56	41.53	-12.47	54	32.54	32.23	7.31	30.55	105	116	A	H
	*	5300	101.01	-	-	91.58	32.58	7.43	30.58	105	116	P	H
	*	5300	93.52	-	-	84.09	32.58	7.43	30.58	105	116	A	H
		5442.24	49.86	-24.14	74	40.15	32.79	7.52	30.6	105	116	P	H
		5456.64	40.95	-13.05	54	31.19	32.82	7.54	30.6	105	116	A	H
		5107.78	50.32	-23.68	74	41.25	32.29	7.33	30.55	105	2	P	V
		5136	42.9	-11.1	54	33.81	32.31	7.34	30.56	105	2	A	V
	*	5300	115.45	-	-	106.02	32.58	7.43	30.58	105	2	P	V
	*	5300	108.16	-	-	98.73	32.58	7.43	30.58	105	2	A	V
		5447.76	52.85	-21.15	74	43.11	32.82	7.52	30.6	105	2	P	V
		5375.76	44.95	-9.05	54	35.38	32.69	7.47	30.59	105	2	A	V

802.11a CH 64 5320MHz	*	5320	100.62	-	-	91.16	32.61	7.44	30.59	101	312	P	H
	*	5320	92.97	-	-	83.51	32.61	7.44	30.59	101	312	A	H
		5420.64	50.53	-23.47	74	40.85	32.77	7.51	30.6	101	312	P	H
		5451.52	40.77	-13.23	54	31.01	32.82	7.54	30.6	101	312	A	H
	*	5320	116.24	-	-	106.78	32.61	7.44	30.59	100	352	P	V
	*	5320	108.55	-	-	99.09	32.61	7.44	30.59	100	352	A	V
		5350.56	52.93	-21.07	74	43.4	32.66	7.46	30.59	100	352	P	V
		5350.08	45.72	-8.28	54	36.19	32.66	7.46	30.59	100	352	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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 52 5260MHz		10520	46.24	-27.76	74	60.79	38.64	11.47	65.2	100	0	P	H
		15780	47.3	-26.7	74	59.14	37.81	14.12	64.51	100	0	P	H
		10520	47.02	-26.98	74	61.57	38.64	11.47	65.2	100	0	P	V
		15780	46.48	-27.52	74	58.32	37.81	14.12	64.51	100	0	P	V
802.11a CH 60 5300MHz		10600	46.51	-27.49	74	60.78	38.85	11.52	65.18	100	0	P	H
		15900	45.37	-28.63	74	57.84	37.37	14.2	64.77	100	0	P	H
		10600	47.22	-26.78	74	61.49	38.85	11.52	65.18	100	0	P	V
		15900	45.74	-28.26	74	58.21	37.37	14.2	64.77	100	0	P	V
802.11a CH 64 5320MHz		10640	45.53	-28.47	74	59.7	38.93	11.54	65.17	100	0	P	H
		15960	45.58	-28.42	74	58.42	37.12	14.24	64.92	100	0	P	H
		10640	45.94	-28.06	74	60.11	38.93	11.54	65.17	100	0	P	V
		15960	46.42	-27.58	74	59.26	37.12	14.24	64.92	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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)
		5025.84	50.27	-23.73	74	41.38	32.15	7.28	30.54	100	44	P	H
		5082.28	40.52	-13.48	54	31.53	32.23	7.31	30.55	100	44	A	H
	*	5260	103.65	-	-	94.29	32.53	7.41	30.58	100	44	P	H
	*	5260	95.95	-	-	86.59	32.53	7.41	30.58	100	44	A	H
802.11ac		5416.08	49.04	-24.96	74	39.36	32.77	7.51	30.6	100	44	P	H
VHT20		5459.04	40.04	-13.96	54	30.28	32.82	7.54	30.6	100	44	A	H
CH 52		5136.34	51.41	-22.59	74	42.32	32.31	7.34	30.56	113	38	P	V
5260MHz		5136	43.4	-10.6	54	34.31	32.31	7.34	30.56	113	38	A	V
	*	5260	115.78	-	-	106.42	32.53	7.41	30.58	113	38	P	V
	*	5260	107.97	-	-	98.61	32.53	7.41	30.58	113	38	A	V
		5445.6	51.67	-22.33	74	41.93	32.82	7.52	30.6	113	38	P	V
		5376	42.79	-11.21	54	33.22	32.69	7.47	30.59	113	38	A	V
		5108.12	50.5	-23.5	74	41.43	32.29	7.33	30.55	100	42	P	H
		5083.98	40.53	-13.47	54	31.54	32.23	7.31	30.55	100	42	A	H
	*	5300	103.96	-	-	94.53	32.58	7.43	30.58	100	42	P	H
	*	5300	95.87	-	-	86.44	32.58	7.43	30.58	100	42	A	H
802.11ac		5457.84	49.93	-24.07	74	40.17	32.82	7.54	30.6	100	42	P	H
VHT20		5458.8	40.13	-13.87	54	30.37	32.82	7.54	30.6	100	42	A	H
CH 60		5100.64	51.59	-22.41	74	42.56	32.26	7.32	30.55	100	36	P	V
5300MHz		5120.02	42.88	-11.12	54	33.82	32.29	7.33	30.56	100	36	A	V
	*	5300	116.16	-	-	106.73	32.58	7.43	30.58	100	36	P	V
	*	5300	108.03	-	-	98.6	32.58	7.43	30.58	100	36	A	V
		5395.2	53.37	-20.63	74	43.74	32.74	7.49	30.6	100	36	P	V
		5376	43.71	-10.29	54	34.14	32.69	7.47	30.59	100	36	A	V

802.11ac VHT20 CH 64 5320MHz	*	5320	103.39	-	-	93.93	32.61	7.44	30.59	100	35	P	H
	*	5320	95.62	-	-	86.16	32.61	7.44	30.59	100	35	A	H
		5425.92	50.17	-23.83	74	40.49	32.77	7.51	30.6	100	35	P	H
		5456.32	40.01	-13.99	54	30.25	32.82	7.54	30.6	100	35	A	H
	*	5320	116.39	-	-	106.93	32.61	7.44	30.59	100	35	P	V
	*	5320	108.05	-	-	98.59	32.61	7.44	30.59	100	35	A	V
		5353.76	52.11	-21.89	74	42.58	32.66	7.46	30.59	100	35	P	V
		5376	43.79	-10.21	54	34.22	32.69	7.47	30.59	100	35	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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		10520	46.29	-27.71	74	53.24	38.64	10.86	56.99	100	0	P	H
VHT20		15780	44.18	-29.82	74	48.83	37.81	13.13	56.33	100	0	P	H
CH 52		10520	45.75	-28.25	74	52.7	38.64	10.86	56.99	100	0	P	V
5260MHz		15780	44.54	-29.46	74	49.19	37.81	13.13	56.33	100	0	P	V
802.11ac		10600	45.15	-28.85	74	51.78	38.85	10.9	56.92	100	0	P	H
VHT20		15900	44.11	-29.89	74	49.07	37.37	13.2	56.26	100	0	P	H
CH 60		10600	44.79	-29.21	74	51.42	38.85	10.9	56.92	100	0	P	V
5300MHz		15900	43.81	-30.19	74	48.77	37.37	13.2	56.26	100	0	P	V
802.11ac		10640	45.63	-28.37	74	52.13	38.93	10.93	56.89	100	0	P	H
VHT20		15960	43.72	-30.28	74	48.87	37.12	13.23	56.22	100	0	P	H
CH 64		10640	45.78	-28.22	74	52.28	38.93	10.93	56.89	100	0	P	V
5320MHz		15960	43.75	-30.25	74	48.9	37.12	13.23	56.22	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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 VHT40 CH 54 5270MHz		5013.26	50.47	-23.53	74	41.61	32.13	7.27	30.54	100	44	P	H
		5072.08	41.65	-12.35	54	32.66	32.23	7.31	30.55	100	44	A	H
	*	5270	103.48	-	-	94.11	32.53	7.42	30.58	100	44	P	H
	*	5270	96.32	-	-	86.95	32.53	7.42	30.58	100	44	A	H
		5408.4	50.1	-23.9	74	40.47	32.74	7.49	30.6	100	44	P	H
		5457.12	40.83	-13.17	54	31.07	32.82	7.54	30.6	100	44	A	H
		5136	53.36	-20.64	74	44.27	32.31	7.34	30.56	100	39	P	V
		5136	46.85	-7.15	54	37.76	32.31	7.34	30.56	100	39	A	V
	*	5270	114.98	-	-	105.61	32.53	7.42	30.58	100	39	P	V
	*	5270	107.89	-	-	98.52	32.53	7.42	30.58	100	39	A	V
		5371.2	54.56	-19.44	74	44.99	32.69	7.47	30.59	100	39	P	V
		5376	45.82	-8.18	54	36.25	32.69	7.47	30.59	100	39	A	V
802.11ac VHT40 CH 62 5310MHz		5050.32	50.26	-23.74	74	41.34	32.18	7.29	30.55	100	43	P	H
		5069.02	41.59	-12.41	54	32.63	32.21	7.3	30.55	100	43	A	H
	*	5310	102.3	-	-	92.83	32.61	7.44	30.58	100	43	P	H
	*	5310	95	-	-	85.53	32.61	7.44	30.58	100	43	A	H
		5350.32	50.68	-23.32	74	41.15	32.66	7.46	30.59	100	43	P	H
		5350.32	42.81	-11.19	54	33.28	32.66	7.46	30.59	100	43	A	H
		5149.6	50.71	-23.29	74	41.58	32.34	7.35	30.56	100	51	P	V
		5136	45.79	-8.21	54	36.7	32.31	7.34	30.56	100	51	A	V
	*	5310	115.13	-	-	105.66	32.61	7.44	30.58	100	51	P	V
	*	5310	108.02	-	-	98.55	32.61	7.44	30.58	100	51	A	V
		5355.6	58.82	-15.18	74	49.29	32.66	7.46	30.59	100	51	P	V
		5356.32	52.03	-1.97	54	42.5	32.66	7.46	30.59	100	51	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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		10540	46.2	-27.8	74	53.08	38.68	10.87	56.97	100	0	P	H
VHT40		15810	44.44	-29.56	74	49.18	37.68	13.15	56.31	100	0	P	H
CH 54		10540	45.73	-28.27	74	52.61	38.68	10.87	56.97	100	0	P	V
5270MHz		15810	45.68	-28.32	74	50.42	37.68	13.15	56.31	100	0	P	V
802.11ac		10620	45.76	-28.24	74	52.32	38.89	10.92	56.9	100	0	P	H
VHT40		15930	44.7	-29.3	74	49.74	37.25	13.22	56.24	100	0	P	H
CH 62		10620	45.22	-28.78	74	51.78	38.89	10.92	56.9	100	0	P	V
5310MHz		15930	44.92	-29.08	74	49.96	37.25	13.22	56.24	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) for CDD Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5032.64	50.17	-23.83	74	41.28	32.15	7.28	30.54	100	43	P	H
		5093.16	41.45	-12.55	54	32.42	32.26	7.32	30.55	100	43	A	H
	*	5290	97.06	-	-	87.66	32.55	7.43	30.58	100	43	P	H
	*	5290	90	-	-	80.6	32.55	7.43	30.58	100	43	A	H
		5430.96	49.93	-24.07	74	40.22	32.79	7.52	30.6	100	43	P	H
		5350.32	41.41	-12.59	54	31.88	32.66	7.46	30.59	100	43	A	H
		5108.8	51.99	-22.01	74	42.92	32.29	7.33	30.55	100	38	P	V
		5120.02	44.45	-9.55	54	35.39	32.29	7.33	30.56	100	38	A	V
	*	5290	108.99	-	-	99.59	32.55	7.43	30.58	100	38	P	V
	*	5290	101.72	-	-	92.32	32.55	7.43	30.58	100	38	A	V
		5350.32	62.31	-11.69	74	52.78	32.66	7.46	30.59	100	38	P	V
		5350.56	53.61	-0.39	54	44.08	32.66	7.46	30.59	100	38	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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		10580	45.58	-28.42	74	52.27	38.81	10.89	56.93	100	0	P	H
VHT80		15870	43.55	-30.45	74	48.48	37.43	13.18	56.27	100	0	P	H
CH 58		10580	45.17	-28.83	74	51.86	38.81	10.89	56.93	100	0	P	V
5290MHz		15870	43.67	-30.33	74	48.6	37.43	13.18	56.27	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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 100 5500MHz		5441.68	50.55	-23.45	74	40.84	32.79	7.52	30.6	113	63	P	H
		5460.88	50.62	-17.58	68.2	40.86	32.82	7.54	30.6	113	63	P	H
		5458.64	41.15	-12.85	54	31.39	32.82	7.54	30.6	113	63	A	H
	*	5500	100.55	-	-	90.68	32.9	7.58	30.61	113	63	P	H
	*	5500	92.08	-	-	82.21	32.9	7.58	30.61	113	63	A	H
		5452.08	52.47	-21.53	74	42.71	32.82	7.54	30.6	134	351	P	V
		5468.88	57.07	-11.13	68.2	47.27	32.85	7.56	30.61	134	351	P	V
		5459.44	44.44	-9.56	54	34.68	32.82	7.54	30.6	134	351	A	V
	*	5500	114.99	-	-	105.12	32.9	7.58	30.61	134	351	P	V
	*	5500	107.76	-	-	97.89	32.9	7.58	30.61	134	351	A	V
802.11a CH 116 5580MHz		5410.72	48.77	-25.23	74	39.14	32.74	7.49	30.6	114	165	P	H
		5467.12	48.43	-19.77	68.2	38.63	32.85	7.56	30.61	114	165	P	H
		5457.28	41.12	-12.88	54	31.36	32.82	7.54	30.6	114	165	A	H
	*	5580	102.76	-	-	92.85	32.89	7.66	30.64	114	165	P	H
	*	5580	94.97	-	-	85.06	32.89	7.66	30.64	114	165	A	H
		5764.37	50.15	-18.05	68.2	40.2	32.85	7.84	30.74	114	165	P	H
		5436.64	51.04	-22.96	74	41.33	32.79	7.52	30.6	117	351	P	V
		5461.84	50.5	-17.7	68.2	40.74	32.82	7.54	30.6	117	351	P	V
		5376.16	43.28	-10.72	54	33.7	32.69	7.48	30.59	117	351	A	V
	*	5580	116.22	-	-	106.31	32.89	7.66	30.64	117	351	P	V
	*	5580	109.11	-	-	99.2	32.89	7.66	30.64	117	351	A	V
		5760.275	54.04	-14.16	68.2	44.08	32.85	7.84	30.73	117	351	P	V

802.11a CH 140 5700MHz	*	5700	101.84	-	-	91.89	32.86	7.79	30.7	100	323	P	H
	*	5700	94.29	-	-	84.34	32.86	7.79	30.7	100	323	A	H
		5755.08	50.77	-17.43	68.2	40.81	32.85	7.84	30.73	100	323	P	H
	*	5700	115.71	-	-	105.76	32.86	7.79	30.7	101	351	P	V
	*	5700	108.4	-	-	98.45	32.86	7.79	30.7	101	351	A	V
		5727.96	58.7	-9.5	68.2	48.74	32.86	7.81	30.71	101	351	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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 100 5500MHz		11000	47.36	-26.64	74	60.38	39.8	11.76	65.1	100	0	P	H
		16500	46	-22.2	68.2	58.41	37.7	14.3	65.1	100	0	P	H
		11000	47.88	-26.12	74	60.9	39.8	11.76	65.1	100	0	P	V
		16500	46.69	-21.51	68.2	59.1	37.7	14.3	65.1	100	0	P	V
802.11a CH 116 5580MHz		11160	47.83	-26.17	74	60.67	40	11.84	65.2	100	0	P	H
		16740	47.6	-20.6	68.2	57.52	39.97	14.3	64.86	100	0	P	H
		11160	48.38	-25.62	74	61.22	40	11.84	65.2	100	0	P	V
		16740	47.81	-20.39	68.2	57.73	39.97	14.3	64.86	100	0	P	V
802.11a CH 140 5700MHz		11400	48.89	-25.11	74	61.46	40.28	11.97	65.34	100	0	P	H
		17100	50.6	-17.6	68.2	57.65	42.4	14.36	64.46	100	0	P	H
		11400	51.66	-22.34	74	64.23	40.28	11.97	65.34	200	79	P	V
		11400	42.36	-11.64	54	54.93	40.28	11.97	65.34	200	79	A	V
		17100	51.51	-16.69	68.2	58.56	42.4	14.36	64.46	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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)
		5413.04	49.45	-24.55	74	39.77	32.77	7.51	30.6	182	273	P	H
		5470	51.42	-16.78	68.2	41.62	32.85	7.56	30.61	182	273	P	H
		5456.4	40.48	-13.52	54	30.72	32.82	7.54	30.6	182	273	A	H
802.11ac	*	5500	106.06	-	-	96.19	32.9	7.58	30.61	182	273	P	H
VHT20	*	5500	98.04	-	-	88.17	32.9	7.58	30.61	182	273	A	H
CH 100		5459.92	52.46	-21.54	74	42.7	32.82	7.54	30.6	105	358	P	V
5500MHz		5461.84	54	-14.2	68.2	44.24	32.82	7.54	30.6	105	358	P	V
		5460	44.34	-9.66	54	34.58	32.82	7.54	30.6	105	358	A	V
	*	5500	115.43	-	-	105.56	32.9	7.58	30.61	105	358	P	V
	*	5500	107.27	-	-	97.4	32.9	7.58	30.61	105	358	A	V
		5459.2	49.19	-24.81	74	39.43	32.82	7.54	30.6	184	271	P	H
		5460.64	49.34	-18.86	68.2	39.58	32.82	7.54	30.6	184	271	P	H
		5458.48	40.18	-13.82	54	30.42	32.82	7.54	30.6	184	271	A	H
	*	5580	105.15	-	-	95.24	32.89	7.66	30.64	184	271	P	H
802.11ac	*	5580	97.61	-	-	87.7	32.89	7.66	30.64	184	271	A	H
VHT20		5765	50.22	-17.98	68.2	40.27	32.85	7.84	30.74	184	271	P	H
CH 116		5434.24	51.36	-22.64	74	41.65	32.79	7.52	30.6	100	36	P	V
5580MHz		5463.76	50.59	-17.61	68.2	40.81	32.85	7.54	30.61	100	36	P	V
		5375.92	41.69	-12.31	54	32.12	32.69	7.47	30.59	100	36	A	V
	*	5580	114.4	-	-	104.49	32.89	7.66	30.64	100	36	P	V
	*	5580	106.87	-	-	96.96	32.89	7.66	30.64	100	36	A	V
		5737.28	49.95	-18.25	68.2	39.98	32.85	7.83	30.71	100	36	P	V

802.11ac VHT20 CH 140 5700MHz	*	5700	104.89	-	-	94.94	32.86	7.79	30.7	123	156	P	H
	*	5700	96.96	-	-	87.01	32.86	7.79	30.7	123	156	A	H
		5737.64	52.25	-15.95	68.2	42.3	32.85	7.83	30.73	123	156	P	H
	*	5700	115.57	-	-	105.62	32.86	7.79	30.7	106	19	P	V
	*	5700	107.16	-	-	97.21	32.86	7.79	30.7	106	19	A	V
		5726.04	56.72	-11.48	68.2	46.76	32.86	7.81	30.71	106	19	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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 100 5500MHz		11000	48.41	-25.59	74	53.53	39.8	11.16	56.6	100	0	P	H
		16500	45.63	-22.57	68.2	49.66	37.7	13.28	55.7	100	0	P	H
		11000	47	-27	74	52.12	39.8	11.16	56.6	100	0	P	V
		16500	45.71	-22.49	68.2	49.74	37.7	13.28	55.7	100	0	P	V
802.11ac VHT20 CH 116 5580MHz		11160	47.75	-26.25	74	52.56	40	11.2	56.53	100	0	P	H
		16740	46.03	-22.17	68.2	47.9	39.97	13.29	55.8	100	0	P	H
		11160	51.43	-22.57	74	56.24	40	11.2	56.53	277	181	P	V
		11160	42.11	-11.89	54	46.92	40	11.2	56.53	277	181	A	V
		16740	46.36	-21.84	68.2	48.23	39.97	13.29	55.8	100	0	P	V
802.11ac VHT20 CH 140 5700MHz		11400	51.82	-22.18	74	56.19	40.28	11.27	56.44	100	110	P	H
		11400	41.31	-12.69	54	45.68	40.28	11.27	56.44	100	110	A	H
		17100	49.4	-18.8	68.2	49.04	42.4	13.37	56.06	100	0	P	H
		11400	56.93	-17.07	74	61.3	40.28	11.27	56.44	333	179	P	V
		11400	45.45	-8.55	54	49.82	40.28	11.27	56.44	333	179	A	V
		17100	49.56	-18.64	68.2	49.2	42.4	13.37	56.06	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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)
		5411.44	49.87	-24.13	74	40.24	32.74	7.49	30.6	100	155	P	H
		5466.88	49.45	-18.75	68.2	39.65	32.85	7.56	30.61	100	155	P	H
		5456.56	41.42	-12.58	54	31.66	32.82	7.54	30.6	100	155	A	H
	*	5510	103.89	-	-	94.01	32.9	7.59	30.61	100	155	P	H
802.11ac	*	5510	96.04	-	-	86.16	32.9	7.59	30.61	100	155	A	H
VHT40		5755.235	49.29	-18.91	68.2	39.33	32.85	7.84	30.73	100	155	P	H
CH 102		5458.24	59.34	-14.66	74	49.58	32.82	7.54	30.6	100	8	P	V
5510MHz		5461.36	56.29	-11.91	68.2	46.53	32.82	7.54	30.6	100	8	P	V
		5458	50.14	-3.86	54	40.38	32.82	7.54	30.6	100	8	A	V
	*	5510	114.88	-	-	105	32.9	7.59	30.61	100	8	P	V
	*	5510	107.22	-	-	97.34	32.9	7.59	30.61	100	8	A	V
		5738.855	50.44	-17.76	68.2	40.49	32.85	7.83	30.73	100	8	P	V
		5455.84	49.41	-24.59	74	39.65	32.82	7.54	30.6	100	144	P	H
		5468.08	48.89	-19.31	68.2	39.09	32.85	7.56	30.61	100	144	P	H
		5455.6	41.12	-12.88	54	31.36	32.82	7.54	30.6	100	144	A	H
	*	5550	103.19	-	-	93.3	32.89	7.63	30.63	100	144	P	H
802.11ac	*	5550	95.35	-	-	85.46	32.89	7.63	30.63	100	144	A	H
VHT40		5737.595	49.99	-18.21	68.2	40.04	32.85	7.83	30.73	100	144	P	H
CH 110		5459.2	53.28	-20.72	74	43.52	32.82	7.54	30.6	101	56	P	V
5550MHz		5463.76	52.37	-15.83	68.2	42.59	32.85	7.54	30.61	101	56	P	V
		5440	47.63	-6.37	54	37.92	32.79	7.52	30.6	101	56	A	V
	*	5550	115.3	-	-	105.41	32.89	7.63	30.63	101	56	P	V
	*	5550	107.55	-	-	97.66	32.89	7.63	30.63	101	56	A	V
		5760.275	52.02	-16.18	68.2	42.06	32.85	7.84	30.73	101	56	P	V

		5442.75	48.96	-25.04	74	39.25	32.79	7.52	30.6	107	155	P	H
		5459.9	48.85	-25.15	74	39.09	32.82	7.54	30.6	107	155	P	H
		5439.95	40.72	-13.28	54	31.01	32.79	7.52	30.6	107	155	A	H
	*	5670	104.98	-	-	95.05	32.87	7.75	30.69	107	155	P	H
802.11ac	*	5670	97.65	-	-	87.72	32.87	7.75	30.69	107	155	A	H
VHT40		5727.2	50.92	-17.28	68.2	40.96	32.86	7.81	30.71	107	155	P	H
CH 134		5434.35	51.49	-22.51	74	41.78	32.79	7.52	30.6	223	145	P	V
5670MHz		5466.2	51.01	-17.19	68.2	41.21	32.85	7.56	30.61	223	145	P	V
		5439.95	43.7	-10.3	54	33.99	32.79	7.52	30.6	223	145	A	V
	*	5670	116.87	-	-	106.94	32.87	7.75	30.69	223	145	P	V
	*	5670	109.62	-	-	99.69	32.87	7.75	30.69	223	145	A	V
		5732.87	57.22	-10.98	68.2	47.26	32.86	7.81	30.71	223	145	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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 VHT40 CH 102 5510MHz		11020	47.09	-26.91	74	52.17	39.82	11.17	56.59	100	0	P	H
		16530	45.21	-22.99	68.2	48.93	38.02	13.28	55.71	100	0	P	H
		11020	47.52	-26.48	74	52.6	39.82	11.17	56.59	100	0	P	V
		16530	45.45	-22.75	68.2	49.17	38.02	13.28	55.71	100	0	P	V
802.11ac VHT40 CH 110 5550MHz		11100	48.09	-25.91	74	53.02	39.92	11.19	56.56	100	0	P	H
		16650	46.59	-21.61	68.2	49.22	39.16	13.29	55.76	100	0	P	H
		11100	49.88	-24.12	74	54.81	39.92	11.19	56.56	100	0	P	V
		16650	46.21	-21.99	68.2	48.84	39.16	13.29	55.76	100	0	P	V
802.11ac VHT40 CH 134 5670MHz		11340	47.98	-26.02	74	52.48	40.2	11.25	56.47	100	0	P	H
		17010	49.07	-19.13	68.2	48.64	42.4	13.31	55.93	100	0	P	H
		11340	53.43	-20.57	74	57.93	40.2	11.25	56.47	296	181	P	V
		11340	45.25	-8.75	54	49.75	40.2	11.25	56.47	296	181	A	V
		17010	48.99	-19.21	68.2	48.56	42.4	13.31	55.93	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) for CDD Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5458.24	51.3	-22.7	74	41.54	32.82	7.54	30.6	100	57	P	H
		5460.4	49.75	-18.45	68.2	39.99	32.82	7.54	30.6	100	57	P	H
		5454.88	44.2	-9.8	54	34.44	32.82	7.54	30.6	100	57	A	H
	*	5530	99.31	-	-	89.42	32.9	7.61	30.62	100	57	P	H
	*	5530	91.96	-	-	82.07	32.9	7.61	30.62	100	57	A	H
		5758.7	50.21	-17.99	68.2	40.25	32.85	7.84	30.73	100	57	P	H
		5453.2	61.02	-12.98	74	51.26	32.82	7.54	30.6	104	36	P	V
		5469.28	61.71	-6.49	68.2	51.91	32.85	7.56	30.61	104	36	P	V
		5451.04	53.76	-0.24	54	44	32.82	7.54	30.6	104	36	A	V
	*	5530	111.63	-	-	101.74	32.9	7.61	30.62	104	36	P	V
	*	5530	104.08	-	-	94.19	32.9	7.61	30.62	104	36	A	V
		5726.255	49.89	-18.31	68.2	39.93	32.86	7.81	30.71	104	36	P	V
802.11ac VHT80 CH 122 5610MHz		5443.84	50.39	-23.61	74	40.68	32.79	7.52	30.6	100	51	P	H
		5470	48.81	-19.39	68.2	39.01	32.85	7.56	30.61	100	51	P	H
		5455.84	41.67	-12.33	54	31.91	32.82	7.54	30.6	100	51	A	H
	*	5610	103.16	-	-	93.24	32.88	7.7	30.66	100	51	P	H
	*	5610	94.84	-	-	84.92	32.88	7.7	30.66	100	51	A	H
		5739.17	51.38	-16.82	68.2	41.43	32.85	7.83	30.73	100	51	P	H
		5451.28	57.11	-16.89	74	47.35	32.82	7.54	30.6	105	356	P	V
		5469.28	57.85	-10.35	68.2	48.05	32.85	7.56	30.61	105	356	P	V
		5452.24	48.55	-5.45	54	38.79	32.82	7.54	30.6	105	356	A	V
	*	5610	114.23	-	-	104.31	32.88	7.7	30.66	105	356	P	V
	*	5610	106.06	-	-	96.14	32.88	7.7	30.66	105	356	A	V
		5732.555	58.46	-9.74	68.2	48.5	32.86	7.81	30.71	105	356	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	46.73	-27.27	74	51.72	39.88	11.18	56.57	100	0	P	H
		16590	45.85	-22.35	68.2	49.11	38.51	13.28	55.73	100	0	P	H
		11060	46.92	-27.08	74	51.91	39.88	11.18	56.57	100	0	P	V
		16590	44.78	-23.42	68.2	48.04	38.51	13.28	55.73	100	0	P	V
802.11ac VHT80 CH 122 5610MHz		11220	48.17	-25.83	74	52.88	40.06	11.22	56.51	100	0	P	H
		16830	48.15	-20.05	68.2	49.24	40.78	13.29	55.83	100	0	P	H
		11220	54.58	-19.42	74	59.29	40.06	11.22	56.51	292	181	P	V
		11220	46.28	-7.72	54	50.99	40.06	11.22	56.51	292	181	A	V
		16830	48.33	-19.87	68.2	49.42	40.78	13.29	55.83	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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 144 5720MHz	*	5720	102.11	-	-	92.15	32.86	7.81	30.71	110	276	P	H
	*	5720	94.99	-	-	85.03	32.86	7.81	30.71	110	276	A	H
	*	5720	115.05	-	-	105.09	32.86	7.81	30.71	143	45	P	V
	*	5720	107.83	-	-	97.87	32.86	7.81	30.71	143	45	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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 144 5720MHz		11440	48.71	-25.29	74	53.03	40.32	11.28	56.43	100	0	P	H
		17160	50.41	-17.79	68.2	50.14	42.4	13.4	56.17	100	0	P	H
		11440	48.05	-25.95	74	52.37	40.32	11.28	56.43	100	0	P	V
		17160	49.54	-18.66	68.2	49.27	42.4	13.4	56.17	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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 144 5720MHz	*	5720	107.01	-	-	97.05	32.86	7.81	30.71	125	145	P	H
	*	5720	99.05	-	-	89.09	32.86	7.81	30.71	125	145	A	H
	*	5720	114.15	-	-	104.19	32.86	7.81	30.71	123	53	P	V
	*	5720	106.53	-	-	96.57	32.86	7.81	30.71	123	53	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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 144 5720MHz		11440	48.9	-25.1	74	53.22	40.32	11.28	56.43	100	0	P	H
		17160	49.99	-18.21	68.2	49.72	42.4	13.4	56.17	100	0	P	H
		11440	56.21	-17.79	74	60.53	40.32	11.28	56.43	300	175	P	V
		11440	47.86	-6.14	54	52.18	40.32	11.28	56.43	300	175	A	V
		17160	49.72	-18.48	68.2	49.45	42.4	13.4	56.17	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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	*	5710	106.02	-	-	96.07	32.86	7.79	30.7	129	145	P	H
VHT40	*	5710	98.94	-	-	88.99	32.86	7.79	30.7	129	145	A	H
CH 142	*	5710	114.84	-	-	104.89	32.86	7.79	30.7	109	54	P	V
5710MHz	*	5710	107.08	-	-	97.13	32.86	7.79	30.7	109	54	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	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 VHT40 CH 142 5710MHz		11420	51.24	-22.76	74	55.58	40.3	11.28	56.43	102	110	P	H
		11420	44.67	-9.33	54	49.01	40.3	11.28	56.43	102	110	A	H
		17130	49.89	-18.31	68.2	49.56	42.4	13.39	56.11	100	0	P	H
		11420	56.16	-17.84	74	60.5	40.3	11.28	56.43	213	164	P	V
		11420	47.82	-6.18	54	52.16	40.3	11.28	56.43	213	164	A	V
		17130	50.05	-18.15	68.2	49.72	42.4	13.39	56.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m) for CDD Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	105.87	-	-	95.94	32.86	7.77	30.7	124	146	P	H
	*	5690	98.14	-	-	88.21	32.86	7.77	30.7	124	146	A	H
	*	5690	114.21	-	-	104.28	32.86	7.77	30.7	107	54	P	V
	*	5690	106.6	-	-	96.67	32.86	7.77	30.7	107	54	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m) for CDD Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	49.37	-24.63	74	53.77	40.26	11.27	56.45	100	0	P	H
		17070	48.94	-19.26	68.2	48.56	42.4	13.34	56.01	100	0	P	H
		11380	55.3	-18.7	74	59.7	40.26	11.27	56.45	224	168	P	V
		11380	47.42	-6.58	54	51.82	40.26	11.27	56.45	224	168	A	V
		17070	48.32	-19.88	68.2	47.94	42.4	13.34	56.01	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m) for CDD Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 LF		31.62	24.65	-15.35	40	35.45	20.97	0.59	32.34	-	-	P	H
		196.05	29.38	-14.12	43.5	48.84	11.32	1.42	32.27	-	-	P	H
		198.21	27.88	-15.62	43.5	47.41	11.25	1.42	32.27	-	-	P	H
		330.1	32	-14	46	45.73	16.53	1.81	32.14	-	-	P	H
		332.9	33.06	-12.94	46	46.67	16.65	1.81	32.14	-	-	P	H
		902.7	41.36	-4.64	46	43.26	26.49	2.98	31.48	100	0	P	H
		31.62	32.13	-7.87	40	42.93	20.97	0.59	32.34	-	-	P	V
		32.7	32.47	-7.53	40	44.1	20.14	0.59	32.34	-	-	P	V
		39.99	31.29	-8.71	40	48.46	14.41	0.74	32.33	-	-	P	V
		332.9	33.8	-12.2	46	47.41	16.65	1.81	32.14	-	-	P	V
		729.8	39.58	-6.42	46	44.33	24.61	2.66	32.12	-	-	P	V
		902.7	42.6	-3.4	46	44.5	26.49	2.98	31.48	100	10	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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)
		5140.42	53.72	-20.28	74	44.6	32.34	7.34	30.56	100	110	P	H
		5136	42.82	-11.18	54	33.73	32.31	7.34	30.56	100	110	A	H
	*	5260	106.36	-	-	97	32.53	7.41	30.58	100	110	P	H
	*	5260	99.48	-	-	90.12	32.53	7.41	30.58	100	110	A	H
802.11ac		5415.6	51.56	-22.44	74	41.88	32.77	7.51	30.6	100	110	P	H
VHT20		5459.28	41.69	-12.31	54	31.93	32.82	7.54	30.6	100	110	A	H
CH 52		5063.24	57.95	-16.05	74	48.99	32.21	7.3	30.55	112	334	P	V
5260MHz		5148.24	47.67	-6.33	54	38.54	32.34	7.35	30.56	112	334	A	V
	*	5260	119.66	-	-	110.3	32.53	7.41	30.58	112	334	P	V
	*	5260	112.56	-	-	103.2	32.53	7.41	30.58	112	334	A	V
		5382.24	66.84	-7.16	74	57.24	32.71	7.48	30.59	112	334	P	V
		5352.48	50.42	-3.58	54	40.89	32.66	7.46	30.59	112	334	A	V
		5084.66	51.53	-22.47	74	42.54	32.23	7.31	30.55	112	76	P	H
		5081.94	42.68	-11.32	54	33.69	32.23	7.31	30.55	112	76	A	H
	*	5300	97.85	-	-	88.42	32.58	7.43	30.58	112	76	P	H
	*	5300	92.61	-	-	83.18	32.58	7.43	30.58	112	76	A	H
802.11ac		5434.08	50.91	-23.09	74	41.2	32.79	7.52	30.6	112	76	P	H
VHT20		5457.6	41.92	-12.08	54	32.16	32.82	7.54	30.6	112	76	A	H
CH 60		5063.92	51.46	-22.54	74	42.5	32.21	7.3	30.55	126	350	P	V
5300MHz		5136	43.07	-10.93	54	33.98	32.31	7.34	30.56	126	350	A	V
	*	5300	114.41	-	-	104.98	32.58	7.43	30.58	126	350	P	V
	*	5300	107.05	-	-	97.62	32.58	7.43	30.58	126	350	A	V
		5374.56	62.4	-11.6	74	52.83	32.69	7.47	30.59	126	350	P	V
		5371.68	50.16	-3.84	54	40.59	32.69	7.47	30.59	126	350	A	V

802.11ac VHT20 CH 64 5320MHz	*	5320	99.97	-	-	90.51	32.61	7.44	30.59	100	75	P	H
	*	5320	92.5	-	-	83.04	32.61	7.44	30.59	100	75	A	H
		5442.24	50.96	-23.04	74	41.25	32.79	7.52	30.6	100	75	P	H
		5444.16	41.65	-12.35	54	31.94	32.79	7.52	30.6	100	75	A	H
	*	5320	117.76	-	-	108.3	32.61	7.44	30.59	108	338	P	V
	*	5320	112.53	-	-	103.07	32.61	7.44	30.59	108	338	A	V
		5356	67	-7	74	57.47	32.66	7.46	30.59	108	338	P	V
		5352.96	52.23	-1.77	54	42.7	32.66	7.46	30.59	108	338	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		10520	47.46	-26.54	74	62.01	38.64	11.47	65.2	100	0	P	H
VHT20		15780	46.9	-27.1	74	58.74	37.81	14.12	64.51	100	0	P	H
CH 52		10520	47.28	-26.72	74	61.83	38.64	11.47	65.2	100	0	P	V
5260MHz		15780	47.05	-26.95	74	58.89	37.81	14.12	64.51	100	0	P	V
802.11ac		10600	48.57	-25.43	74	62.84	38.85	11.52	65.18	100	0	P	H
VHT20		15900	47.03	-26.97	74	59.5	37.37	14.2	64.77	100	0	P	H
CH 60		10600	48.31	-25.69	74	62.58	38.85	11.52	65.18	100	0	P	V
5300MHz		15900	46.69	-27.31	74	59.16	37.37	14.2	64.77	100	0	P	V
802.11ac		10640	46.86	-27.14	74	61.03	38.93	11.54	65.17	100	0	P	H
VHT20		15960	46.34	-27.66	74	59.18	37.12	14.24	64.92	100	0	P	H
CH 64		10640	47.43	-26.57	74	61.6	38.93	11.54	65.17	100	0	P	V
5320MHz		15960	46.78	-27.22	74	59.62	37.12	14.24	64.92	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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 VHT40 CH 54 5270MHz		5115.26	52.63	-21.37	74	43.57	32.29	7.33	30.56	200	185	P	H
		5139.06	42.65	-11.35	54	33.56	32.31	7.34	30.56	200	185	A	H
	*	5270	101.46	-	-	92.09	32.53	7.42	30.58	200	185	P	H
	*	5270	94.5	-	-	85.13	32.53	7.42	30.58	200	185	A	H
		5351.76	52.75	-21.25	74	43.22	32.66	7.46	30.59	200	185	P	H
		5457.84	41.93	-12.07	54	32.17	32.82	7.54	30.6	200	185	A	H
		5143.48	62.65	-11.35	74	53.52	32.34	7.35	30.56	101	360	P	V
		5136	48.37	-5.63	54	39.28	32.31	7.34	30.56	101	360	A	V
	*	5270	113.95	-	-	104.58	32.53	7.42	30.58	101	360	P	V
	*	5270	106.94	-	-	97.57	32.53	7.42	30.58	101	360	A	V
		5352	63.56	-10.44	74	54.03	32.66	7.46	30.59	101	360	P	V
		5376.24	47.39	-6.61	54	37.81	32.69	7.48	30.59	101	360	A	V
802.11ac VHT40 CH 62 5310MHz		5018.02	52.79	-21.21	74	43.92	32.13	7.28	30.54	100	110	P	H
		5059.5	42.37	-11.63	54	33.41	32.21	7.3	30.55	100	110	A	H
	*	5310	102.35	-	-	92.88	32.61	7.44	30.58	100	110	P	H
	*	5310	95.58	-	-	86.11	32.61	7.44	30.58	100	110	A	H
		5363.76	55.26	-18.74	74	45.69	32.69	7.47	30.59	100	110	P	H
		5351.28	42.53	-11.47	54	33	32.66	7.46	30.59	100	110	A	H
		5118.32	56.19	-17.81	74	47.13	32.29	7.33	30.56	130	331	P	V
		5114.24	44	-10	54	34.94	32.29	7.33	30.56	130	331	A	V
	*	5310	115.36	-	-	105.89	32.61	7.44	30.58	130	331	P	V
	*	5310	108.35	-	-	98.88	32.61	7.44	30.58	130	331	A	V
		5352.24	71.11	-2.89	74	61.58	32.66	7.46	30.59	130	331	P	V
		5352.24	53.49	-0.51	54	43.96	32.66	7.46	30.59	130	331	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		10540	46.62	-27.38	74	61.11	38.68	11.48	65.19	100	0	P	H
VHT40		15810	47.12	-26.88	74	59.14	37.68	14.14	64.58	100	0	P	H
CH 54		10540	47.42	-26.58	74	61.91	38.68	11.48	65.19	100	0	P	V
5270MHz		15810	46.85	-27.15	74	58.87	37.68	14.14	64.58	100	0	P	V
802.11ac		10620	47.15	-26.85	74	61.38	38.89	11.53	65.18	100	0	P	H
VHT40		15930	45.7	-28.3	74	58.34	37.25	14.23	64.85	100	0	P	H
CH 62		10620	47.15	-26.85	74	61.38	38.89	11.53	65.18	100	0	P	V
5310MHz		15930	45.19	-28.81	74	57.83	37.25	14.23	64.85	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5003.4	52.22	-21.78	74	43.39	32.1	7.27	30.54	120	208	P	H
		5032.64	42.46	-11.54	54	33.57	32.15	7.28	30.54	120	208	A	H
	*	5290	101.53	-	-	92.13	32.55	7.43	30.58	120	208	P	H
	*	5290	94.53	-	-	85.13	32.55	7.43	30.58	120	208	A	H
		5400.72	51.32	-22.68	74	41.69	32.74	7.49	30.6	120	208	P	H
		5364	43.62	-10.38	54	34.05	32.69	7.47	30.59	120	208	A	H
		5136	62.16	-11.84	74	53.07	32.31	7.34	30.56	100	360	P	V
		5136.34	47.89	-6.11	54	38.8	32.31	7.34	30.56	100	360	A	V
	*	5290	114.23	-	-	104.83	32.55	7.43	30.58	100	360	P	V
	*	5290	107.84	-	-	98.44	32.55	7.43	30.58	100	360	A	V
		5362.08	63.86	-10.14	74	54.29	32.69	7.47	30.59	100	360	P	V
		5358.48	53.06	-0.94	54	43.52	32.66	7.47	30.59	100	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		10580	48.85	-25.15	74	63.18	38.81	11.5	65.18	100	0	P	H
VHT80		15870	46.81	-27.19	74	59.2	37.43	14.18	64.73	100	0	P	H
CH 58		10580	47.81	-26.19	74	62.14	38.81	11.5	65.18	100	0	P	V
5290MHz		15870	45.4	-28.6	74	57.79	37.43	14.18	64.73	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m) for CCD Mode

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5441.68	50.55	-23.45	74	40.84	32.79	7.52	30.6	113	63	P	H
		5460.88	50.62	-17.58	68.2	40.86	32.82	7.54	30.6	113	63	P	H
		5458.64	41.15	-12.85	54	31.39	32.82	7.54	30.6	113	63	A	H
	*	5500	100.55	-	-	90.68	32.9	7.58	30.61	113	63	P	H
	*	5500	92.08	-	-	82.21	32.9	7.58	30.61	113	63	A	H
		5452.08	52.47	-21.53	74	42.71	32.82	7.54	30.6	134	351	P	V
		5468.88	57.07	-11.13	68.2	47.27	32.85	7.56	30.61	134	351	P	V
		5459.44	44.44	-9.56	54	34.68	32.82	7.54	30.6	134	351	A	V
	*	5500	114.99	-	-	105.12	32.9	7.58	30.61	134	351	P	V
	*	5500	107.76	-	-	97.89	32.9	7.58	30.61	134	351	A	V
802.11a CH 116 5580MHz		5410.72	48.77	-25.23	74	39.14	32.74	7.49	30.6	114	165	P	H
		5467.12	48.43	-19.77	68.2	38.63	32.85	7.56	30.61	114	165	P	H
		5457.28	41.12	-12.88	54	31.36	32.82	7.54	30.6	114	165	A	H
	*	5580	102.76	-	-	92.85	32.89	7.66	30.64	114	165	P	H
	*	5580	94.97	-	-	85.06	32.89	7.66	30.64	114	165	A	H
		5764.37	50.15	-18.05	68.2	40.2	32.85	7.84	30.74	114	165	P	H
		5436.64	51.04	-22.96	74	41.33	32.79	7.52	30.6	117	351	P	V
		5461.84	50.5	-17.7	68.2	40.74	32.82	7.54	30.6	117	351	P	V
		5376.16	43.28	-10.72	54	33.7	32.69	7.48	30.59	117	351	A	V
	*	5580	116.22	-	-	106.31	32.89	7.66	30.64	117	351	P	V
	*	5580	109.11	-	-	99.2	32.89	7.66	30.64	117	351	A	V
		5760.275	54.04	-14.16	68.2	44.08	32.85	7.84	30.73	117	351	P	V

802.11a CH 140 5700MHz	*	5700	101.84	-	-	91.89	32.86	7.79	30.7	100	323	P	H
	*	5700	94.29	-	-	84.34	32.86	7.79	30.7	100	323	A	H
		5755.08	50.77	-17.43	68.2	40.81	32.85	7.84	30.73	100	323	P	H
	*	5700	115.71	-	-	105.76	32.86	7.79	30.7	101	351	P	V
	*	5700	108.4	-	-	98.45	32.86	7.79	30.7	101	351	A	V
		5727.96	58.7	-9.5	68.2	48.74	32.86	7.81	30.71	101	351	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 100 5500MHz		11000	47.36	-26.64	74	60.38	39.8	11.76	65.1	100	0	P	H
		16500	46	-22.2	68.2	58.41	37.7	14.3	65.1	100	0	P	H
		11000	47.88	-26.12	74	60.9	39.8	11.76	65.1	100	0	P	V
		16500	46.69	-21.51	68.2	59.1	37.7	14.3	65.1	100	0	P	V
802.11a CH 116 5580MHz		11160	47.83	-26.17	74	60.67	40	11.84	65.2	100	0	P	H
		16740	47.6	-20.6	68.2	57.52	39.97	14.3	64.86	100	0	P	H
		11160	48.38	-25.62	74	61.22	40	11.84	65.2	100	0	P	V
		16740	47.81	-20.39	68.2	57.73	39.97	14.3	64.86	100	0	P	V
802.11a CH 140 5700MHz		11400	48.89	-25.11	74	61.46	40.28	11.97	65.34	100	0	P	H
		17100	50.6	-17.6	68.2	57.65	42.4	14.36	64.46	100	0	P	H
		11400	51.66	-22.34	74	64.23	40.28	11.97	65.34	200	79	P	V
		11400	42.36	-11.64	54	54.93	40.28	11.97	65.34	200	79	A	V
		17100	51.51	-16.69	68.2	58.56	42.4	14.36	64.46	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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)
		5436.4	53.41	-20.59	74	43.7	32.79	7.52	30.6	100	65	P	H
		5469.52	54.46	-13.74	68.2	44.66	32.85	7.56	30.61	100	65	P	H
		5450	41.61	-12.39	54	31.85	32.82	7.54	30.6	100	65	A	H
802.11ac	*	5500	104.09	-	-	94.22	32.9	7.58	30.61	100	65	P	H
VHT20	*	5500	97.84	-	-	87.97	32.9	7.58	30.61	100	65	A	H
CH 100		5450.64	67.97	-6.03	74	58.21	32.82	7.54	30.6	125	340	P	V
5500MHz		5464.72	57.54	-10.66	68.2	47.76	32.85	7.54	30.61	125	340	P	V
		5453.84	52.06	-1.94	54	42.3	32.82	7.54	30.6	125	340	A	V
	*	5500	119.1	-	-	109.23	32.9	7.58	30.61	125	340	P	V
	*	5500	112.72	-	-	102.85	32.9	7.58	30.61	125	340	A	V
		5446	50.8	-23.2	74	41.06	32.82	7.52	30.6	115	55	P	H
		5460.64	50.49	-17.71	68.2	40.73	32.82	7.54	30.6	115	55	P	H
		5455.12	41.78	-12.22	54	32.02	32.82	7.54	30.6	115	55	A	H
	*	5580	100.5	-	-	90.59	32.89	7.66	30.64	115	55	P	H
802.11ac	*	5580	94.07	-	-	84.16	32.89	7.66	30.64	115	55	A	H
VHT20		5753.975	50.75	-17.45	68.2	40.79	32.85	7.84	30.73	115	55	P	H
CH 116		5454.88	60.13	-13.87	74	50.37	32.82	7.54	30.6	110	340	P	V
5580MHz		5460.64	60.89	-7.31	68.2	51.13	32.82	7.54	30.6	110	340	P	V
		5451.04	45.04	-8.96	54	35.28	32.82	7.54	30.6	110	340	A	V
	*	5580	114.5	-	-	104.59	32.89	7.66	30.64	110	340	P	V
	*	5580	107.36	-	-	97.45	32.89	7.66	30.64	110	340	A	V
		5741.375	59.96	-8.24	68.2	50.01	32.85	7.83	30.73	110	340	P	V

802.11ac VHT20 CH 140 5700MHz	*	5700	105.52	-	-	95.57	32.86	7.79	30.7	308	162	P	H
	*	5700	98.23	-	-	88.28	32.86	7.79	30.7	308	162	A	H
		5737.88	51.69	-16.51	68.2	41.74	32.85	7.83	30.73	308	162	P	H
	*	5700	115.28	-	-	105.33	32.86	7.79	30.7	115	20	P	V
	*	5700	108.88	-	-	98.93	32.86	7.79	30.7	115	20	A	V
		5763.64	66.59	-1.61	68.2	56.64	32.85	7.84	30.74	115	20	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11000	49.11	-24.89	74	62.13	39.8	11.76	65.1	100	0	P	H
VHT20		16500	46.69	-21.51	68.2	59.1	37.7	14.3	65.1	100	0	P	H
CH 100		11000	47.99	-26.01	74	61.01	39.8	11.76	65.1	100	0	P	V
5500MHz		16500	46.75	-21.45	68.2	59.16	37.7	14.3	65.1	100	0	P	V
802.11ac		11160	49.21	-24.79	74	62.05	40	11.84	65.2	100	0	P	H
VHT20		16740	48.18	-20.02	68.2	58.1	39.97	14.3	64.86	100	0	P	H
CH 116		11160	49.82	-24.18	74	62.66	40	11.84	65.2	100	0	P	V
5580MHz		16740	48.99	-19.21	68.2	58.91	39.97	14.3	64.86	100	0	P	V
802.11ac		11400	49.25	-24.75	74	61.82	40.28	11.97	65.34	100	0	P	H
VHT20		17100	52.81	-15.39	68.2	59.86	42.4	14.36	64.46	100	0	P	H
CH 140		11400	50.28	-23.72	74	62.85	40.28	11.97	65.34	100	0	P	V
5700MHz		17100	52.42	-15.78	68.2	59.47	42.4	14.36	64.46	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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)
		5419.36	51.23	-22.77	74	41.55	32.77	7.51	30.6	320	216	P	H
		5469.52	50.48	-17.72	68.2	40.68	32.85	7.56	30.61	320	216	P	H
		5457.04	41.78	-12.22	54	32.02	32.82	7.54	30.6	320	216	A	H
	*	5510	101.74	-	-	91.86	32.9	7.59	30.61	320	216	P	H
802.11ac	*	5510	94.96	-	-	85.08	32.9	7.59	30.61	320	216	A	H
VHT40		5758.385	52.32	-15.88	68.2	42.36	32.85	7.84	30.73	320	216	P	H
CH 102		5456.56	59.02	-14.98	74	49.26	32.82	7.54	30.6	120	351	P	V
5510MHz		5460.16	57.53	-10.67	68.2	47.77	32.82	7.54	30.6	120	351	P	V
		5457.28	48.06	-5.94	54	38.3	32.82	7.54	30.6	120	351	A	V
	*	5510	115.17	-	-	105.29	32.9	7.59	30.61	120	351	P	V
	*	5510	108.79	-	-	98.91	32.9	7.59	30.61	120	351	A	V
		5731.295	53.62	-14.58	68.2	43.66	32.86	7.81	30.71	120	351	P	V
		5422.96	51.28	-22.72	74	41.6	32.77	7.51	30.6	340	200	P	H
		5466.88	50.72	-17.48	68.2	40.92	32.85	7.56	30.61	340	200	P	H
		5458.72	42.21	-11.79	54	32.45	32.82	7.54	30.6	340	200	A	H
	*	5550	101.68	-	-	91.79	32.89	7.63	30.63	340	200	P	H
802.11ac	*	5550	93.75	-	-	83.86	32.89	7.63	30.63	340	200	A	H
VHT40		5739.485	51.28	-16.92	68.2	41.33	32.85	7.83	30.73	340	200	P	H
CH 110		5433.04	61.94	-12.06	74	52.23	32.79	7.52	30.6	125	350	P	V
5550MHz		5461.84	64.61	-3.59	68.2	54.85	32.82	7.54	30.6	125	350	P	V
		5455.6	48.65	-5.35	54	38.89	32.82	7.54	30.6	125	350	A	V
	*	5550	116.58	-	-	106.69	32.89	7.63	30.63	125	350	P	V
	*	5550	108.93	-	-	99.04	32.89	7.63	30.63	125	350	A	V
		5725.625	62.63	-5.57	68.2	52.67	32.86	7.81	30.71	125	350	P	V

		5414.4	51.33	-22.67	74	41.65	32.77	7.51	30.6	305	220	P	H
		5469.35	51.2	-17	68.2	41.4	32.85	7.56	30.61	305	220	P	H
		5459.55	42.17	-11.83	54	32.41	32.82	7.54	30.6	305	220	A	H
	*	5670	103.19	-	-	93.26	32.87	7.75	30.69	305	220	P	H
802.11ac	*	5670	96.52	-	-	86.59	32.87	7.75	30.69	305	220	A	H
VHT40		5741.06	51.71	-16.49	68.2	41.76	32.85	7.83	30.73	305	220	P	H
CH 134		5450.45	57.08	-16.92	74	47.32	32.82	7.54	30.6	100	355	P	V
5670MHz		5469	52.2	-16	68.2	42.4	32.85	7.56	30.61	100	355	P	V
		5375.9	44.57	-9.43	54	35	32.69	7.47	30.59	100	355	A	V
	*	5670	116.46	-	-	106.53	32.87	7.75	30.69	100	355	P	V
	*	5670	108.97	-	-	99.04	32.87	7.75	30.69	100	355	A	V
		5764.37	59.65	-8.55	68.2	49.7	32.85	7.84	30.74	100	355	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11020	48.68	-25.32	74	61.67	39.82	11.78	65.11	100	0	P	H
VHT40		16530	47.01	-21.19	68.2	59.07	38.02	14.3	65.07	100	0	P	H
CH 102		11020	47.93	-26.07	74	60.92	39.82	11.78	65.11	100	0	P	V
5510MHz		16530	47.68	-20.52	68.2	59.74	38.02	14.3	65.07	100	0	P	V
802.11ac		11100	48.23	-25.77	74	61.14	39.92	11.81	65.16	100	0	P	H
VHT40		16650	46.93	-21.27	68.2	57.73	39.16	14.3	64.94	100	0	P	H
CH 110		11100	48.64	-25.36	74	61.55	39.92	11.81	65.16	100	0	P	V
5550MHz		16650	46.91	-21.29	68.2	57.71	39.16	14.3	64.94	100	0	P	V
802.11ac		11340	48.58	-25.42	74	61.23	40.2	11.93	65.3	100	0	P	H
VHT40		17010	50.68	-17.52	68.2	57.89	42.4	14.32	64.58	100	0	P	H
CH 134		11340	49.51	-24.49	74	62.16	40.2	11.93	65.3	100	0	P	V
5670MHz		17010	53.5	-14.7	68.2	60.71	42.4	14.32	64.58	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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)
		5376.64	51.41	-22.59	74	41.83	32.69	7.48	30.59	295	220	P	H
		5463.04	52.18	-16.02	68.2	42.4	32.85	7.54	30.61	295	220	P	H
		5456.8	41.81	-12.19	54	32.05	32.82	7.54	30.6	295	220	A	H
	*	5530	100.24	-	-	90.35	32.9	7.61	30.62	295	220	P	H
802.11ac	*	5530	94.05	-	-	84.16	32.9	7.61	30.62	295	220	A	H
VHT80		5757.125	51.74	-16.46	68.2	41.78	32.85	7.84	30.73	295	220	P	H
CH 106		5436.4	60.83	-13.17	74	51.12	32.79	7.52	30.6	110	350	P	V
5530MHz		5466.16	63.53	-4.67	68.2	53.73	32.85	7.56	30.61	110	350	P	V
		5436.4	53.44	-0.56	54	43.73	32.79	7.52	30.6	110	350	A	V
	*	5530	114.61	-	-	104.72	32.9	7.61	30.62	110	350	P	V
	*	5530	106.84	-	-	96.95	32.9	7.61	30.62	110	350	A	V
		5749.88	55.03	-13.17	68.2	45.08	32.85	7.83	30.73	110	350	P	V
		5429.2	50.34	-23.66	74	40.64	32.79	7.51	30.6	350	195	P	H
		5469.76	50.97	-17.23	68.2	41.17	32.85	7.56	30.61	350	195	P	H
		5456.32	42.18	-11.82	54	32.42	32.82	7.54	30.6	350	195	A	H
	*	5610	103.02	-	-	93.1	32.88	7.7	30.66	350	195	P	H
802.11ac	*	5610	96.45	-	-	86.53	32.88	7.7	30.66	350	195	A	H
VHT80		5727.515	58.26	-9.94	68.2	48.3	32.86	7.81	30.71	350	195	P	H
CH 122		5436.4	58.3	-15.7	74	48.59	32.79	7.52	30.6	125	355	P	V
5610MHz		5467.12	55.71	-12.49	68.2	45.91	32.85	7.56	30.61	125	355	P	V
		5457.28	46.81	-7.19	54	37.05	32.82	7.54	30.6	125	355	A	V
	*	5610	116.26	-	-	106.34	32.88	7.7	30.66	125	355	P	V
	*	5610	109.25	-	-	99.33	32.88	7.7	30.66	125	355	A	V
		5733.5	62.5	-5.7	68.2	52.54	32.86	7.81	30.71	125	355	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11060	50.38	-23.62	74	63.32	39.88	11.8	65.14	100	0	P	H
VHT80		16590	47.93	-20.27	68.2	59.45	38.51	14.3	65.01	100	0	P	H
CH 106		11060	49.78	-24.22	74	62.72	39.88	11.8	65.14	100	0	P	V
5530MHz		16590	47.95	-20.25	68.2	59.47	38.51	14.3	65.01	100	0	P	V
802.11ac		11220	48.06	-25.94	74	60.83	40.06	11.88	65.23	100	0	P	H
VHT80		16830	49.06	-19.14	68.2	58.07	40.78	14.31	64.77	100	0	P	H
CH 122		11220	48.96	-25.04	74	61.73	40.06	11.88	65.23	100	0	P	V
5610MHz		16830	48.72	-19.48	68.2	57.73	40.78	14.31	64.77	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m) for CCD Mode

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5720	102.11	-	-	92.15	32.86	7.81	30.71	110	276	P	H
	*	5720	94.99	-	-	85.03	32.86	7.81	30.71	110	276	A	H
	*	5720	115.05	-	-	105.09	32.86	7.81	30.71	143	45	P	V
	*	5720	107.83	-	-	97.87	32.86	7.81	30.71	143	45	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m) for CCD Mode

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		11440	48.71	-25.29	74	53.03	40.32	11.28	56.43	100	0	P	H
		17160	50.41	-17.79	68.2	50.14	42.4	13.4	56.17	100	0	P	H
		11440	48.05	-25.95	74	52.37	40.32	11.28	56.43	100	0	P	V
		17160	49.54	-18.66	68.2	49.27	42.4	13.4	56.17	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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	*	5720	107.22	-	-	97.26	32.86	7.81	30.71	279	184	P	H
VHT20	*	5720	100.01	-	-	90.05	32.86	7.81	30.71	279	184	A	H
CH 144	*	5720	119.67	-	-	109.71	32.86	7.81	30.71	147	55	P	V
5720MHz	*	5720	111.58	-	-	101.62	32.86	7.81	30.71	147	55	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11440	47.21	-26.79	74	51.53	40.32	11.28	56.43	100	0	P	H
VHT20		17160	50.32	-17.88	68.2	50.05	42.4	13.4	56.17	100	0	P	H
CH 144		11440	47.51	-26.49	74	51.83	40.32	11.28	56.43	100	0	P	V
5720MHz		17160	50.28	-17.92	68.2	50.01	42.4	13.4	56.17	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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	*	5710	102.43	-	-	92.48	32.86	7.79	30.7	268	175	P	H
VHT40	*	5710	94.69	-	-	84.74	32.86	7.79	30.7	268	175	A	H
CH 142	*	5710	114.58	-	-	104.63	32.86	7.79	30.7	175	324	P	V
5710MHz	*	5710	107.09	-	-	97.14	32.86	7.79	30.7	175	324	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11420	47.48	-26.52	74	51.82	40.3	11.28	56.43	100	0	P	H
VHT40		17130	51.12	-17.08	68.2	50.79	42.4	13.39	56.11	100	0	P	H
CH 142		11420	47.52	-26.48	74	51.86	40.3	11.28	56.43	100	0	P	V
5710MHz		17130	50.46	-17.74	68.2	50.13	42.4	13.39	56.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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	*	5690	97.86	-	-	87.93	32.86	7.77	30.7	289	187	P	H
VHT80	*	5690	90.17	-	-	80.24	32.86	7.77	30.7	289	187	A	H
CH 138	*	5690	112.11	-	-	102.18	32.86	7.77	30.7	141	55	P	V
5690MHz	*	5690	104.35	-	-	94.42	32.86	7.77	30.7	141	55	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11380	47.97	-26.03	74	52.37	40.26	11.27	56.45	100	0	P	H
VHT80		17070	49.47	-18.73	68.2	49.09	42.4	13.34	56.01	100	0	P	H
CH 138		11380	47.52	-26.48	74	51.92	40.26	11.27	56.45	100	0	P	V
5690MHz		17070	50.15	-18.05	68.2	49.77	42.4	13.34	56.01	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT40 (LF @ 3m) for Beamforming Mode

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+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 LF		82.92	21.38	-18.62	40	42.34	10.32	0.95	32.3	-	-	P	H
		166.08	25.65	-17.85	43.5	44.82	11.7	1.35	32.28	-	-	P	H
		250.05	33.93	-12.07	46	49.3	15.16	1.59	32.2	-	-	P	H
		374.9	36.81	-9.19	46	49.4	17.58	1.89	32.15	-	-	P	H
		624.8	40.94	-5.06	46	47.6	22.98	2.45	32.2	100	0	P	H
		874.7	39.42	-6.58	46	41.89	26.14	2.9	31.63	-	-	P	H
		34.86	33.16	-6.84	40	46.44	18.48	0.59	32.33	-	-	P	V
		119.91	24.64	-18.86	43.5	42.27	13.51	1.09	32.29	-	-	P	V
		250.05	30.54	-15.46	46	45.91	15.16	1.59	32.2	-	-	P	V
		500.2	40.48	-5.52	46	49.48	20.92	2.2	32.2	-	-	P	V
		624.8	40.52	-5.48	46	47.18	22.98	2.45	32.2	100	0	P	V
		874.7	39.36	-6.64	46	41.83	26.14	2.9	31.63	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

For Sample 2

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m) for CCD Mode

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+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5134.98	51.51	-22.49	74	42.42	32.31	7.34	30.56	230	359	P	H
		5136	43.77	-10.23	54	34.68	32.31	7.34	30.56	230	359	A	H
	*	5260	118.02	-	-	108.66	32.53	7.41	30.58	230	359	P	H
	*	5260	110.13	-	-	100.77	32.53	7.41	30.58	230	359	A	H
		5382.24	53.48	-20.52	74	43.88	32.71	7.48	30.59	230	359	P	H
		5376	46.39	-7.61	54	36.82	32.69	7.47	30.59	230	359	A	H
		5062.22	52.16	-21.84	74	43.2	32.21	7.3	30.55	298	360	P	V
		5136	43.49	-10.51	54	34.4	32.31	7.34	30.56	298	360	A	V
	*	5260	115.2	-	-	105.84	32.53	7.41	30.58	298	360	P	V
	*	5260	107.69	-	-	98.33	32.53	7.41	30.58	298	360	A	V
		5458.56	51.09	-22.91	74	41.33	32.82	7.54	30.6	298	360	P	V
		5376	43.46	-10.54	54	33.89	32.69	7.47	30.59	298	360	A	V
802.11a CH 60 5300MHz		5069.36	50.29	-23.71	74	41.33	32.21	7.3	30.55	217	360	P	H
		5136.34	43.17	-10.83	54	34.08	32.31	7.34	30.56	217	360	A	H
	*	5300	118.26	-	-	108.83	32.58	7.43	30.58	217	360	P	H
	*	5300	109.92	-	-	100.49	32.58	7.43	30.58	217	360	A	H
		5424.72	53.76	-20.24	74	44.08	32.77	7.51	30.6	217	360	P	H
		5376	46.97	-7.03	54	37.4	32.69	7.47	30.59	217	360	A	H
		5031.96	51.05	-22.95	74	42.16	32.15	7.28	30.54	310	360	P	V
		5120.02	43.03	-10.97	54	33.97	32.29	7.33	30.56	310	360	A	V
	*	5300	114.81	-	-	105.38	32.58	7.43	30.58	310	360	P	V
	*	5300	107.36	-	-	97.93	32.58	7.43	30.58	310	360	A	V
		5453.52	51.8	-22.2	74	42.04	32.82	7.54	30.6	310	360	P	V
		5376	43.68	-10.32	54	34.11	32.69	7.47	30.59	310	360	A	V

802.11a CH 64 5320MHz	*	5320	117.58	-	-	108.12	32.61	7.44	30.59	230	358	P	H
	*	5320	109.97	-	-	100.51	32.61	7.44	30.59	230	358	A	H
		5356	53.33	-20.67	74	43.8	32.66	7.46	30.59	230	358	P	H
		5376	47.09	-6.91	54	37.52	32.69	7.47	30.59	230	358	A	H
	*	5320	115.54	-	-	106.08	32.61	7.44	30.59	308	357	P	V
	*	5320	107.69	-	-	98.23	32.61	7.44	30.59	308	357	A	V
		5439.68	52.23	-21.77	74	42.52	32.79	7.52	30.6	308	357	P	V
		5439.84	44.31	-9.69	54	34.6	32.79	7.52	30.6	308	357	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 52 5260MHz		10520	48.73	-25.27	74	63.28	38.64	11.47	65.2	100	0	P	H
		15780	46.08	-27.92	74	57.92	37.81	14.12	64.51	100	0	P	H
		10520	46.76	-27.24	74	61.31	38.64	11.47	65.2	100	0	P	V
		15780	45.95	-28.05	74	57.79	37.81	14.12	64.51	100	0	P	V
802.11a CH 60 5300MHz		10600	47.17	-26.83	74	61.44	38.85	11.52	65.18	100	0	P	H
		15900	45.93	-28.07	74	58.4	37.37	14.2	64.77	100	0	P	H
		10600	46.82	-27.18	74	61.09	38.85	11.52	65.18	100	0	P	V
		15900	45.7	-28.3	74	58.17	37.37	14.2	64.77	100	0	P	V
802.11a CH 64 5320MHz		10640	45.34	-28.66	74	59.51	38.93	11.54	65.17	100	0	P	H
		15960	45.31	-28.69	74	58.15	37.12	14.24	64.92	100	0	P	H
		10640	45.62	-28.38	74	59.79	38.93	11.54	65.17	100	0	P	V
		15960	45.5	-28.5	74	58.34	37.12	14.24	64.92	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz for CCD Mode

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2+3	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)
		5136.34	52.68	-21.32	74	43.59	32.31	7.34	30.56	152	357	P	H
		5136	43.7	-10.3	54	34.61	32.31	7.34	30.56	152	357	A	H
	*	5260	118.18	-	-	108.82	32.53	7.41	30.58	152	357	P	H
	*	5260	110.13	-	-	100.77	32.53	7.41	30.58	152	357	A	H
802.11ac		5397.36	53.26	-20.74	74	43.63	32.74	7.49	30.6	152	357	P	H
VHT20		5376	45.6	-8.4	54	36.03	32.69	7.47	30.59	152	357	A	H
CH 52		5096.56	52.46	-21.54	74	43.43	32.26	7.32	30.55	316	2	P	V
5260MHz		5136	43.16	-10.84	54	34.07	32.31	7.34	30.56	316	2	A	V
	*	5260	115.14	-	-	105.78	32.53	7.41	30.58	316	2	P	V
	*	5260	107.14	-	-	97.78	32.53	7.41	30.58	316	2	A	V
		5458.8	51.28	-22.72	74	41.52	32.82	7.54	30.6	316	2	P	V
		5376	42.48	-11.52	54	32.91	32.69	7.47	30.59	316	2	A	V
		5086.7	51.71	-22.29	74	42.72	32.23	7.31	30.55	152	358	P	H
		5136	43.07	-10.93	54	33.98	32.31	7.34	30.56	152	358	A	H
	*	5300	118.27	-	-	108.84	32.58	7.43	30.58	152	358	P	H
	*	5300	110.25	-	-	100.82	32.58	7.43	30.58	152	358	A	H
802.11ac		5376.24	53.92	-20.08	74	44.34	32.69	7.48	30.59	152	358	P	H
VHT20		5376	46.06	-7.94	54	36.49	32.69	7.47	30.59	152	358	A	H
CH 60		5070.04	51.78	-22.22	74	42.82	32.21	7.3	30.55	314	2	P	V
5300MHz		5040.12	42.66	-11.34	54	33.74	32.18	7.29	30.55	314	2	A	V
	*	5300	114.97	-	-	105.54	32.58	7.43	30.58	314	2	P	V
	*	5300	106.91	-	-	97.48	32.58	7.43	30.58	314	2	A	V
		5432.64	51.1	-22.9	74	41.39	32.79	7.52	30.6	314	2	P	V
		5376	42.9	-11.1	54	33.33	32.69	7.47	30.59	314	2	A	V

802.11ac VHT20 CH 64 5320MHz	*	5320	118.41	-	-	108.95	32.61	7.44	30.59	163	356	P	H
	*	5320	110.43	-	-	100.97	32.61	7.44	30.59	163	356	A	H
		5375.68	53.63	-20.37	74	44.06	32.69	7.47	30.59	163	356	P	H
		5376	46.34	-7.66	54	36.77	32.69	7.47	30.59	163	356	A	H
	*	5320	115.2	-	-	105.74	32.61	7.44	30.59	310	1	P	V
	*	5320	107.45	-	-	97.99	32.61	7.44	30.59	310	1	A	V
		5456	52.69	-21.31	74	42.93	32.82	7.54	30.6	310	1	P	V
		5356.16	43.56	-10.44	54	34.03	32.66	7.46	30.59	310	1	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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		10520	45.5	-28.5	74	52.45	38.64	10.86	56.99	100	0	P	H
VHT20		15780	44.5	-29.5	74	49.15	37.81	13.13	56.33	100	0	P	H
CH 52		10520	46.23	-27.77	74	53.18	38.64	10.86	56.99	100	0	P	V
5260MHz		15780	44.93	-29.07	74	49.58	37.81	13.13	56.33	100	0	P	V
802.11ac		10600	45.28	-28.72	74	51.91	38.85	10.9	56.92	100	0	P	H
VHT20		15900	44.97	-29.03	74	49.93	37.37	13.2	56.26	100	0	P	H
CH 60		10600	45.18	-28.82	74	51.81	38.85	10.9	56.92	100	0	P	V
5300MHz		15900	44.17	-29.83	74	49.13	37.37	13.2	56.26	1000	0	P	V
802.11ac		10640	46.87	-27.13	74	53.37	38.93	10.93	56.89	100	0	P	H
VHT20		15960	45.35	-28.65	74	50.5	37.12	13.23	56.22	100	0	P	H
CH 64		10640	45.09	-28.91	74	51.59	38.93	10.93	56.89	100	0	P	V
5320MHz		15960	44.19	-29.81	74	49.34	37.12	13.23	56.22	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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)
		5093.5	52.98	-21.02	74	43.95	32.26	7.32	30.55	156	358	P	H
		5136	46.83	-7.17	54	37.74	32.31	7.34	30.56	156	358	A	H
	*	5270	118.74	-	-	109.37	32.53	7.42	30.58	156	358	P	H
	*	5270	110.61	-	-	101.24	32.53	7.42	30.58	156	358	A	H
802.11ac		5448.48	55.28	-18.72	74	45.52	32.82	7.54	30.6	156	358	P	H
VHT40		5376	48.98	-5.02	54	39.41	32.69	7.47	30.59	156	358	A	H
CH 54		5149.94	52.73	-21.27	74	43.6	32.34	7.35	30.56	315	2	P	V
5270MHz		5136	46.66	-7.34	54	37.57	32.31	7.34	30.56	315	2	A	V
	*	5270	114.89	-	-	105.52	32.53	7.42	30.58	315	2	P	V
	*	5270	107.64	-	-	98.27	32.53	7.42	30.58	315	2	A	V
		5353.44	52.81	-21.19	74	43.28	32.66	7.46	30.59	315	2	P	V
		5375.76	45.66	-8.34	54	36.09	32.69	7.47	30.59	315	2	A	V
		5030.94	50.98	-23.02	74	42.09	32.15	7.28	30.54	152	358	P	H
		5136	44.38	-9.62	54	35.29	32.31	7.34	30.56	152	358	A	H
	*	5310	116.74	-	-	107.27	32.61	7.44	30.58	152	358	P	H
	*	5310	109.57	-	-	100.1	32.61	7.44	30.58	152	358	A	H
802.11ac		5356.8	60.19	-13.81	74	50.66	32.66	7.46	30.59	152	358	P	H
VHT40		5355.36	53.27	-0.73	54	43.74	32.66	7.46	30.59	152	358	A	H
CH 62		5107.1	51.56	-22.44	74	42.49	32.29	7.33	30.55	315	1	P	V
5310MHz		5136	43.64	-10.36	54	34.55	32.31	7.34	30.56	315	1	A	V
	*	5310	113.19	-	-	103.72	32.61	7.44	30.58	315	1	P	V
	*	5310	105.91	-	-	96.44	32.61	7.44	30.58	315	1	A	V
		5350.56	58.6	-15.4	74	49.07	32.66	7.46	30.59	315	1	P	V
		5350.08	52.27	-1.73	54	42.74	32.66	7.46	30.59	315	1	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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		10540	46.81	-27.19	74	53.69	38.68	10.87	56.97	100	0	P	H
VHT40		15810	44.82	-29.18	74	49.56	37.68	13.15	56.31	100	0	P	H
CH 54		10540	47.51	-26.49	74	54.39	38.68	10.87	56.97	100	0	P	V
5270MHz		15810	46.46	-27.54	74	51.2	37.68	13.15	56.31	100	0	P	V
802.11ac		10620	45.71	-28.29	74	52.27	38.89	10.92	56.9	100	0	P	H
VHT40		15930	44.52	-29.48	74	49.56	37.25	13.22	56.24	100	0	P	H
CH 62		10620	45.98	-28.02	74	52.54	38.89	10.92	56.9	100	0	P	V
5310MHz		15930	44.53	-29.47	74	49.57	37.25	13.22	56.24	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) for CCD Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5041.14	51.75	-22.25	74	42.83	32.18	7.29	30.55	160	358	P	H
		5120.02	43.8	-10.2	54	34.74	32.29	7.33	30.56	160	358	A	H
	*	5290	110.39	-	-	100.99	32.55	7.43	30.58	160	358	P	H
	*	5290	102.95	-	-	93.55	32.55	7.43	30.58	160	358	A	H
		5357.76	61.73	-12.27	74	52.2	32.66	7.46	30.59	160	358	P	H
		5355.6	53.5	-0.5	54	43.97	32.66	7.46	30.59	160	358	A	H
		5137.7	51.03	-22.97	74	41.94	32.31	7.34	30.56	317	2	P	V
		5136	43.25	-10.75	54	34.16	32.31	7.34	30.56	317	2	A	V
	*	5290	107.43	-	-	98.03	32.55	7.43	30.58	317	2	P	V
	*	5290	100.17	-	-	90.77	32.55	7.43	30.58	317	2	A	V
		5350.8	58.16	-15.84	74	48.63	32.66	7.46	30.59	317	2	P	V
		5350.08	50.78	-3.22	54	41.25	32.66	7.46	30.59	317	2	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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		10580	45.61	-28.39	74	52.3	38.81	10.89	56.93	100	0	P	H
VHT80		15870	44.12	-29.88	74	49.05	37.43	13.18	56.27	100	0	P	H
CH 58		10580	46.13	-27.87	74	52.82	38.81	10.89	56.93	100	0	P	V
5290MHz		15870	44.03	-29.97	74	48.96	37.43	13.18	56.27	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 100 5500MHz		5458.48	53.16	-20.84	74	43.4	32.82	7.54	30.6	170	360	P	H
		5467.44	55.41	-12.79	68.2	45.61	32.85	7.56	30.61	170	360	P	H
		5375.92	45.39	-8.61	54	35.82	32.69	7.47	30.59	170	360	A	H
	*	5500	117.54	-	-	107.67	32.9	7.58	30.61	170	360	P	H
	*	5500	109.65	-	-	99.78	32.9	7.58	30.61	170	360	A	H
		5436.08	50.9	-23.1	74	41.19	32.79	7.52	30.6	302	360	P	V
		5469.52	54.14	-14.06	68.2	44.34	32.85	7.56	30.61	302	360	P	V
		5375.92	43.31	-10.69	54	33.74	32.69	7.47	30.59	302	360	A	V
	*	5500	115.26	-	-	105.39	32.9	7.58	30.61	302	360	P	V
	*	5500	107.91	-	-	98.04	32.9	7.58	30.61	302	360	A	V
802.11a CH 116 5580MHz		5419.12	51.46	-22.54	74	41.78	32.77	7.51	30.6	194	358	P	H
		5463.04	52.2	-16	68.2	42.42	32.85	7.54	30.61	194	358	P	H
		5375.92	44.41	-9.59	54	34.84	32.69	7.47	30.59	194	358	A	H
	*	5580	117.48	-	-	107.57	32.89	7.66	30.64	194	358	P	H
	*	5580	109.94	-	-	100.03	32.89	7.66	30.64	194	358	A	H
		5737.91	53.84	-14.36	68.2	43.89	32.85	7.83	30.73	194	358	P	H
		5445.28	50.7	-23.3	74	40.99	32.79	7.52	30.6	291	360	P	V
		5463.76	52.87	-15.33	68.2	43.09	32.85	7.54	30.61	291	360	P	V
		5459.2	42.35	-11.65	54	32.59	32.82	7.54	30.6	291	360	A	V
	*	5580	115.58	-	-	105.67	32.89	7.66	30.64	291	360	P	V
	*	5580	108.11	-	-	98.2	32.89	7.66	30.64	291	360	A	V
		5742.32	51.97	-16.23	68.2	42.02	32.85	7.83	30.73	291	360	P	V

802.11a CH 140 5700MHz	*	5700	118.06	-	-	108.11	32.86	7.79	30.7	193	359	P	H
	*	5700	110.64	-	-	100.69	32.86	7.79	30.7	193	359	A	H
		5726.6	61.42	-6.78	68.2	51.46	32.86	7.81	30.71	193	359	P	H
	*	5700	116.38	-	-	106.43	32.86	7.79	30.7	279	4	P	V
	*	5700	108.87	-	-	98.92	32.86	7.79	30.7	279	4	A	V
		5729.64	59.11	-9.09	68.2	49.15	32.86	7.81	30.71	279	4	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 100 5500MHz		11000	48.19	-25.81	74	61.21	39.8	11.76	65.1	100	0	P	H
		16500	46.46	-21.74	68.2	58.87	37.7	14.3	65.1	100	0	P	H
		11000	47.96	-26.04	74	60.98	39.8	11.76	65.1	100	0	P	V
		16500	46.91	-21.29	68.2	59.32	37.7	14.3	65.1	100	0	P	V
802.11a CH 116 5580MHz		11165	49.48	-24.52	74	62.31	40	11.85	65.2	100	0	P	H
		16740	47.4	-20.8	68.2	57.32	39.97	14.3	64.86	100	0	P	H
		11160	49.28	-24.72	74	62.12	40	11.84	65.2	100	0	P	V
		16740	47.36	-20.84	68.2	57.28	39.97	14.3	64.86	100	0	P	V
802.11a CH 140 5700MHz		11400	47.75	-26.25	74	60.32	40.28	11.97	65.34	100	0	P	H
		17100	50.72	-17.48	68.2	57.77	42.4	14.36	64.46	100	0	P	H
		11400	48.14	-25.86	74	60.71	40.28	11.97	65.34	100	0	P	V
		17100	50.86	-17.34	68.2	57.91	42.4	14.36	64.46	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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)
		5459.28	53.89	-20.11	74	44.13	32.82	7.54	30.6	140	356	P	H
		5464.4	58.8	-9.4	68.2	49.02	32.85	7.54	30.61	140	356	P	H
		5460	45.88	-8.12	54	36.12	32.82	7.54	30.6	140	356	A	H
802.11ac	*	5500	118.79	-	-	108.92	32.9	7.58	30.61	140	356	P	H
VHT20	*	5500	110.48	-	-	100.61	32.9	7.58	30.61	140	356	A	H
CH 100		5454.96	52.93	-21.07	74	43.17	32.82	7.54	30.6	202	2	P	V
5500MHz		5463.76	54.95	-13.25	68.2	45.17	32.85	7.54	30.61	202	2	P	V
		5460	45.01	-8.99	54	35.25	32.82	7.54	30.6	202	2	A	V
	*	5500	116.32	-	-	106.45	32.9	7.58	30.61	202	2	P	V
	*	5500	98.64	-	-	88.77	32.9	7.58	30.61	202	2	A	V
		5438.8	52.21	-21.79	74	42.5	32.79	7.52	30.6	137	355	P	H
		5460	50.87	-17.33	68.2	41.11	32.82	7.54	30.6	137	355	P	H
		5440	44.38	-9.62	54	34.67	32.79	7.52	30.6	137	355	A	H
	*	5580	118.01	-	-	108.1	32.89	7.66	30.64	137	355	P	H
802.11ac	*	5580	110.04	-	-	100.13	32.89	7.66	30.64	137	355	A	H
VHT20		5749.565	52.68	-15.52	68.2	42.73	32.85	7.83	30.73	137	355	P	H
CH 116		5410.48	51.69	-22.31	74	42.06	32.74	7.49	30.6	236	4	P	V
5580MHz		5462.08	50.76	-17.44	68.2	41	32.82	7.54	30.6	236	4	P	V
		5440	42.08	-11.92	54	32.37	32.79	7.52	30.6	236	4	A	V
	*	5580	117.41	-	-	107.5	32.89	7.66	30.64	236	4	P	V
	*	5580	109.29	-	-	99.38	32.89	7.66	30.64	236	4	A	V
		5727.2	51.97	-16.23	68.2	42.01	32.86	7.81	30.71	236	4	P	V

802.11ac VHT20 CH 140 5700MHz	*	5700	118.98	-	-	109.03	32.86	7.79	30.7	153	6	P	H
	*	5700	110.35	-	-	100.4	32.86	7.79	30.7	153	6	A	H
		5736.44	58.41	-9.79	68.2	48.44	32.85	7.83	30.71	153	6	P	H
	*	5700	116.32	-	-	106.37	32.86	7.79	30.7	157	1	P	V
	*	5700	108.22	-	-	98.27	32.86	7.79	30.7	157	1	A	V
		5725.16	55.82	-12.38	68.2	45.86	32.86	7.81	30.71	157	1	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 100 5500MHz		11000	47.62	-26.38	74	52.74	39.8	11.16	56.6	100	0	P	H
		16500	45.48	-22.72	68.2	49.51	37.7	13.28	55.7	100	0	P	H
		11000	48.49	-25.51	74	53.61	39.8	11.16	56.6	100	0	P	V
		16500	45.33	-22.87	68.2	49.36	37.7	13.28	55.7	100	0	P	V
802.11ac VHT20 CH 116 5580MHz		11160	47.61	-26.39	74	52.42	40	11.2	56.53	-	-	P	H
		16740	45.52	-22.68	68.2	47.39	39.97	13.29	55.8	100	0	P	H
		11160	50.07	-23.93	74	54.88	40	11.2	56.53	100	0	P	V
		16740	46.24	-21.96	68.2	48.11	39.97	13.29	55.8	100	0	P	V
802.11ac VHT20 CH 140 5700MHz		11400	48.09	-25.91	74	52.46	40.28	11.27	56.44	100	0	P	H
		17100	49.25	-18.95	68.2	48.89	42.4	13.37	56.06	100	0	P	H
		11400	60.71	-13.29	74	65.08	40.28	11.27	56.44	352	155	P	V
		11400	48.89	-5.11	54	53.26	40.28	11.27	56.44	352	155	A	V
		17100	50.67	-17.53	68.2	50.31	42.4	13.37	56.06	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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)
		5455.36	61.18	-12.82	74	51.42	32.82	7.54	30.6	165	355	P	H
		5462.8	59.87	-8.33	68.2	50.09	32.85	7.54	30.61	165	355	P	H
		5455.12	52.84	-1.16	54	43.08	32.82	7.54	30.6	165	355	A	H
	*	5510	118.78	-	-	108.9	32.9	7.59	30.61	165	355	P	H
802.11ac	*	5510	110.53	-	-	100.65	32.9	7.59	30.61	165	355	A	H
VHT40		5733.5	52.36	-15.84	68.2	42.4	32.86	7.81	30.71	165	355	P	H
CH 102		5457.76	56.77	-17.23	74	47.01	32.82	7.54	30.6	193	0	P	V
5510MHz		5467.36	62.87	-5.33	68.2	53.07	32.85	7.56	30.61	193	0	P	V
		5448.64	50.57	-3.43	54	40.81	32.82	7.54	30.6	193	0	A	V
	*	5510	117.06	-	-	107.18	32.9	7.59	30.61	193	0	P	V
	*	5510	109.27	-	-	99.39	32.9	7.59	30.61	193	0	A	V
		5727.515	52.75	-15.45	68.2	42.79	32.86	7.81	30.71	193	0	P	V
		5447.68	56.35	-17.65	74	46.61	32.82	7.52	30.6	163	355	P	H
		5470	55.85	-12.35	68.2	46.05	32.85	7.56	30.61	163	355	P	H
		5456.32	48.26	-5.74	54	38.5	32.82	7.54	30.6	163	355	A	H
	*	5550	118.81	-	-	108.92	32.89	7.63	30.63	163	355	P	H
802.11ac	*	5550	110.76	-	-	100.87	32.89	7.63	30.63	163	355	A	H
VHT40		5731.61	54.7	-13.5	68.2	44.74	32.86	7.81	30.71	163	355	P	H
CH 110		5446.48	53.62	-20.38	74	43.88	32.82	7.52	30.6	187	358	P	V
5550MHz		5469.76	55.71	-12.49	68.2	45.91	32.85	7.56	30.61	187	358	P	V
		5440	46.89	-7.11	54	37.18	32.79	7.52	30.6	187	358	A	V
	*	5550	117.8	-	-	107.91	32.89	7.63	30.63	187	358	P	V
	*	5550	109.33	-	-	99.44	32.89	7.63	30.63	187	358	A	V
		5760.275	53.03	-15.17	68.2	43.07	32.85	7.84	30.73	187	358	P	V

		5444.85	52.21	-21.79	74	42.5	32.79	7.52	30.6	175	5	P	H
		5467.25	53.56	-14.64	68.2	43.76	32.85	7.56	30.61	175	5	P	H
		5375.9	45.39	-8.61	54	35.82	32.69	7.47	30.59	175	5	A	H
	*	5670	118.44	-	-	108.51	32.87	7.75	30.69	175	5	P	H
802.11ac	*	5670	110.98	-	-	101.05	32.87	7.75	30.69	175	5	A	H
VHT40		5725.625	61.44	-6.76	68.2	51.48	32.86	7.81	30.71	175	5	P	H
CH 134		5352.45	50.9	-23.1	74	41.37	32.66	7.46	30.59	250	358	P	V
5670MHz		5465.15	51.88	-16.32	68.2	42.1	32.85	7.54	30.61	250	358	P	V
		5439.95	43.41	-10.59	54	33.7	32.79	7.52	30.6	250	358	A	V
	*	5670	116.48	-	-	106.55	32.87	7.75	30.69	250	358	P	V
	*	5670	108.62	-	-	98.69	32.87	7.75	30.69	250	358	A	V
		5729.09	57.9	-10.3	68.2	47.94	32.86	7.81	30.71	250	358	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 VHT40 CH 102 5510MHz		11020	46.65	-27.35	74	51.73	39.82	11.17	56.59	100	0	P	H
		16530	46.66	-21.54	68.2	50.38	38.02	13.28	55.71	100	0	P	H
		11020	47.38	-26.62	74	52.46	39.82	11.17	56.59	100	0	P	V
		16530	47.61	-20.59	68.2	51.33	38.02	13.28	55.71	100	0	P	V
802.11ac VHT40 CH 110 5550MHz		11100	48.78	-25.22	74	53.71	39.92	11.19	56.56	100	0	P	H
		16650	47.66	-20.54	68.2	50.29	39.16	13.29	55.76	100	0	P	H
		11100	50.96	-23.04	74	55.89	39.92	11.19	56.56	100	0	P	V
		16650	46.39	-21.81	68.2	49.02	39.16	13.29	55.76	100	0	P	V
802.11ac VHT40 CH 134 5670MHz		11340	49.25	-24.75	74	53.75	40.2	11.25	56.47	100	0	P	H
		17010	49.18	-19.02	68.2	48.75	42.4	13.31	55.93	100	0	P	H
		11340	60.49	-13.51	74	64.99	40.2	11.25	56.47	345	155	P	V
		11340	49.55	-4.45	54	54.05	40.2	11.25	56.47	345	155	A	V
		17010	49.31	-18.89	68.2	48.88	42.4	13.31	55.93	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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)
		5435.44	59.91	-14.09	74	50.2	32.79	7.52	30.6	128	356	P	H
		5462.56	61.2	-7	68.2	51.42	32.85	7.54	30.61	128	356	P	H
		5455.12	53.32	-0.68	54	43.56	32.82	7.54	30.6	128	356	A	H
	*	5530	112.9	-	-	103.01	32.9	7.61	30.62	128	356	P	H
802.11ac	*	5530	104.02	-	-	94.13	32.9	7.61	30.62	128	356	A	H
VHT80		5733.815	51.9	-16.3	68.2	41.94	32.86	7.81	30.71	128	356	P	H
CH 106		5447.44	57.28	-16.72	74	47.54	32.82	7.52	30.6	158	358	P	V
5530MHz		5466.88	59.56	-8.64	68.2	49.76	32.85	7.56	30.61	158	358	P	V
		5446.72	50.92	-3.08	54	41.18	32.82	7.52	30.6	158	358	A	V
	*	5530	110.11	-	-	100.22	32.9	7.61	30.62	158	358	P	V
	*	5530	102.09	-	-	92.2	32.9	7.61	30.62	158	358	A	V
		5727.2	53.44	-14.76	68.2	43.48	32.86	7.81	30.71	158	358	P	V
		5459.44	62.17	-11.83	74	52.41	32.82	7.54	30.6	163	4	P	H
		5462.32	61.17	-7.03	68.2	51.41	32.82	7.54	30.6	163	4	P	H
		5459.92	53.44	-0.56	54	43.68	32.82	7.54	30.6	163	4	A	H
	*	5610	118.59	-	-	108.67	32.88	7.7	30.66	163	4	P	H
802.11ac	*	5610	111.27	-	-	101.35	32.88	7.7	30.66	163	4	A	H
VHT80		5725.625	65.91	-2.29	68.2	55.95	32.86	7.81	30.71	163	4	P	H
CH 122		5447.68	56.42	-17.58	74	46.68	32.82	7.52	30.6	148	358	P	V
5610MHz		5467.6	60.69	-7.51	68.2	50.89	32.85	7.56	30.61	148	358	P	V
		5458.48	49.2	-4.8	54	39.44	32.82	7.54	30.6	148	358	A	V
	*	5610	116.51	-	-	106.59	32.88	7.7	30.66	148	358	P	V
	*	5610	108.54	-	-	98.62	32.88	7.7	30.66	148	358	A	V
		5730.665	63.56	-4.64	68.2	53.6	32.86	7.81	30.71	148	358	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	46.54	-27.46	74	51.53	39.88	11.18	56.57	100	0	P	H
		16590	44.87	-23.33	68.2	48.13	38.51	13.28	55.73	100	0	P	H
		11060	46.43	-27.57	74	51.42	39.88	11.18	56.57	100	0	P	V
		16590	46.76	-21.44	68.2	50.02	38.51	13.28	55.73	100	0	P	V
802.11ac VHT80 CH 122 5610MHz		11220	47.18	-26.82	74	51.89	40.06	11.22	56.51	100	0	P	H
		16830	48.51	-19.69	68.2	49.6	40.78	13.29	55.83	100	0	P	H
		11220	60.98	-13.02	74	65.69	40.06	11.22	56.51	335	155	P	V
		11220	48.07	-5.93	54	52.78	40.06	11.22	56.51	335	155	A	V
		16830	48.41	-19.79	68.2	49.5	40.78	13.29	55.83	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 144 5720MHz	*	5720	117.79	-	-	107.83	32.86	7.81	30.71	160	5	P	H
	*	5720	110.4	-	-	100.44	32.86	7.81	30.71	160	5	A	H
	*	5720	116.53	-	-	106.57	32.86	7.81	30.71	234	3	P	V
	*	5720	109.06	-	-	99.1	32.86	7.81	30.71	234	3	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 144 5720MHz		11440	48.52	-25.48	74	52.84	40.32	11.28	56.43	100	0	P	H
		17160	49.81	-18.39	68.2	49.54	42.4	13.4	56.17	100	0	P	H
		11440	48.12	-25.88	74	52.44	40.32	11.28	56.43	100	0	P	V
		17160	49.76	-18.44	68.2	49.49	42.4	13.4	56.17	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 144 5720MHz	*	5720	117.26	-	-	107.3	32.86	7.81	30.71	142	358	P	H
	*	5720	109.4	-	-	99.44	32.86	7.81	30.71	142	358	A	H
	*	5720	118.22	-	-	108.26	32.86	7.81	30.71	211	7	P	V
	*	5720	109.67	-	-	99.71	32.86	7.81	30.71	211	7	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 144 5720MHz		11440	49.52	-24.48	74	53.84	40.32	11.28	56.43	100	0	P	H
		17160	50.18	-18.02	68.2	49.91	42.4	13.4	56.17	100	0	P	H
		11440	62.45	-11.55	74	66.77	40.32	11.28	56.43	357	155	P	V
		11440	50.82	-3.18	54	55.14	40.32	11.28	56.43	357	155	A	V
		17160	50.06	-18.14	68.2	49.79	42.4	13.4	56.17	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 VHT40 CH 142 5710MHz	*	5710	118.3	-	-	108.35	32.86	7.79	30.7	152	360	P	H
	*	5710	110.12	-	-	100.17	32.86	7.79	30.7	152	360	A	H
	*	5710	117.72	-	-	107.77	32.86	7.79	30.7	201	6	P	V
	*	5710	109.41	-	-	99.46	32.86	7.79	30.7	201	6	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 VHT40 CH 142 5710MHz		11420	50.5	-23.5	74	54.84	40.3	11.28	56.43	100	0	P	H
		17130	51.41	-16.79	68.2	51.08	42.4	13.39	56.11	100	0	P	H
		11420	63.08	-10.92	74	67.42	40.3	11.28	56.43	354	156	P	V
		11420	52	-2	54	56.34	40.3	11.28	56.43	354	156	A	V
		17130	50.07	-18.13	68.2	49.74	42.4	13.39	56.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m) for CCD Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	118.09	-	-	108.16	32.86	7.77	30.7	154	5	P	H
	*	5690	110.12	-	-	100.19	32.86	7.77	30.7	154	5	A	H
	*	5690	116.92	-	-	106.99	32.86	7.77	30.7	199	4	P	V
	*	5690	108.79	-	-	98.86	32.86	7.77	30.7	199	4	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	48.2	-25.8	74	52.6	40.26	11.27	56.45	100	0	P	H
		17070	48.63	-19.57	68.2	48.25	42.4	13.34	56.01	100	0	P	H
		11380	63.13	-10.87	74	67.53	40.26	11.27	56.45	352	155	P	V
		11380	51.15	-2.85	54	55.55	40.26	11.27	56.45	352	155	A	V
		17070	48.66	-19.54	68.2	48.28	42.4	13.34	56.01	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m) for CCD Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 LF		61.86	25.4	-14.6	40	48.51	8.38	0.84	32.31			P	H
		106.68	28.98	-14.52	43.5	45.91	14.24	1	32.29			P	H
		112.89	26.83	-16.67	43.5	43.65	14.29	1.09	32.29			P	H
		332.9	29.86	-16.14	46	43.47	16.65	1.81	32.14			P	H
		925.1	30.85	-15.15	46	32.19	26.8	3.02	31.28			P	H
		959.4	31.6	-14.4	46	30.84	28.52	3.07	30.97	100	0	P	H
		32.97	34.97	-5.03	40	46.6	20.14	0.59	32.34	100	10	P	V
		35.13	33.67	-6.33	40	46.95	18.48	0.59	32.33			P	V
		44.58	32.58	-7.42	40	52.72	11.42	0.74	32.33			P	V
		332.9	29.87	-16.13	46	43.48	16.65	1.81	32.14			P	V
		721.4	31.82	-14.18	46	36.8	24.41	2.64	32.13			P	V
		894.3	30.71	-15.29	46	32.83	26.37	2.94	31.54			P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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)
		5080.24	51.65	-22.35	74	42.66	32.23	7.31	30.55	250	0	P	H
		5136	45.15	-8.85	54	36.06	32.31	7.34	30.56	250	0	A	H
	*	5260	117.67	-	-	108.31	32.53	7.41	30.58	250	0	P	H
	*	5260	111.26	-	-	101.9	32.53	7.41	30.58	250	0	A	H
802.11ac		5370.48	56.69	-17.31	74	47.12	32.69	7.47	30.59	250	0	P	H
VHT20		5375.76	47.18	-6.82	54	37.61	32.69	7.47	30.59	250	0	A	H
CH 52		5136.34	61	-13	74	51.91	32.31	7.34	30.56	255	20	P	V
5260MHz		5136	45.88	-8.12	54	36.79	32.31	7.34	30.56	255	20	A	V
	*	5260	115.51	-	-	106.15	32.53	7.41	30.58	255	20	P	V
	*	5260	108.88	-	-	99.52	32.53	7.41	30.58	255	20	A	V
		5431.68	52.44	-21.56	74	42.73	32.79	7.52	30.6	255	20	P	V
		5376	44.18	-9.82	54	34.61	32.69	7.47	30.59	255	20	A	V
		5077.18	51.17	-22.83	74	42.18	32.23	7.31	30.55	240	0	P	H
		5136	44.48	-9.52	54	35.39	32.31	7.34	30.56	240	0	A	H
	*	5300	118.33	-	-	108.9	32.58	7.43	30.58	240	0	P	H
	*	5300	111.93	-	-	102.5	32.58	7.43	30.58	240	0	A	H
802.11ac		5396.16	56.89	-17.11	74	47.26	32.74	7.49	30.6	240	0	P	H
VHT20		5376	49.1	-4.9	54	39.53	32.69	7.47	30.59	240	0	A	H
CH 60		5094.86	54.94	-19.06	74	45.91	32.26	7.32	30.55	220	20	P	V
5300MHz		5136	45.03	-8.97	54	35.94	32.31	7.34	30.56	220	20	A	V
	*	5300	115.53	-	-	106.1	32.58	7.43	30.58	220	20	P	V
	*	5300	108.47	-	-	99.04	32.58	7.43	30.58	220	20	A	V
		5379.84	55.15	-18.85	74	45.55	32.71	7.48	30.59	220	20	P	V
		5376	44.43	-9.57	54	34.86	32.69	7.47	30.59	220	20	A	V

802.11ac VHT20 CH 64 5320MHz	*	5320	118.09	-	-	108.63	32.61	7.44	30.59	250	0	P	H
	*	5320	111.2	-	-	101.74	32.61	7.44	30.59	250	0	A	H
		5358.72	55.97	-18.03	74	46.43	32.66	7.47	30.59	250	0	P	H
		5376	48.22	-5.78	54	38.65	32.69	7.47	30.59	250	0	A	H
	*	5320	115.8	-	-	106.34	32.61	7.44	30.59	366	360	P	V
	*	5320	108.2	-	-	98.74	32.61	7.44	30.59	366	360	A	V
		5436.8	62.62	-11.38	74	52.91	32.79	7.52	30.6	366	360	P	V
		5351.68	47.8	-6.2	54	38.27	32.66	7.46	30.59	366	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		10520	47.16	-26.84	74	61.71	38.64	11.47	65.2	100	0	P	H
VHT20		15780	45.71	-28.29	74	57.55	37.81	14.12	64.51	100	0	P	H
CH 52		10520	47.23	-26.77	74	61.78	38.64	11.47	65.2	100	0	P	V
5260MHz		15780	46.32	-27.68	74	58.16	37.81	14.12	64.51	100	0	P	V
802.11ac		10600	48.49	-25.51	74	62.76	38.85	11.52	65.18	100	0	P	H
VHT20		15900	47.1	-26.9	74	59.57	37.37	14.2	64.77	100	0	P	H
CH 60		10600	47.48	-26.52	74	61.75	38.85	11.52	65.18	100	0	P	V
5300MHz		15900	45.57	-28.43	74	58.04	37.37	14.2	64.77	100	0	P	V
802.11ac		10640	47.62	-26.38	74	61.79	38.93	11.54	65.17	100	0	P	H
VHT20		15960	46.07	-27.93	74	58.91	37.12	14.24	64.92	100	0	P	H
CH 64		10640	46.37	-27.63	74	60.54	38.93	11.54	65.17	100	0	P	V
5320MHz		15960	46	-28	74	58.84	37.12	14.24	64.92	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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 VHT40 CH 54 5270MHz		5111.18	56.69	-17.31	74	47.62	32.29	7.33	30.55	281	0	P	H
		5135.66	46.48	-7.52	54	37.39	32.31	7.34	30.56	281	0	A	H
	*	5270	118.38	-	-	109.01	32.53	7.42	30.58	281	0	P	H
	*	5270	111.56	-	-	102.19	32.53	7.42	30.58	281	0	A	H
		5365.68	60.26	-13.74	74	50.69	32.69	7.47	30.59	281	0	P	H
		5376	49	-5	54	39.43	32.69	7.47	30.59	281	0	A	H
		5133.28	57.09	-16.91	74	48	32.31	7.34	30.56	118	21	P	V
		5136	45.2	-8.8	54	36.11	32.31	7.34	30.56	118	21	A	V
	*	5270	113.4	-	-	104.03	32.53	7.42	30.58	118	21	P	V
	*	5270	105.52	-	-	96.15	32.53	7.42	30.58	118	21	A	V
		5367.12	51.36	-22.64	74	41.79	32.69	7.47	30.59	118	21	P	V
		5376	43.93	-10.07	54	34.36	32.69	7.47	30.59	118	21	A	V
802.11ac VHT40 CH 62 5310MHz		5115.94	51.87	-22.13	74	42.81	32.29	7.33	30.56	150	0	P	H
		5039.78	44.35	-9.65	54	35.43	32.18	7.29	30.55	150	0	A	H
	*	5310	118.39	-	-	108.92	32.61	7.44	30.58	150	0	P	H
	*	5310	111.14	-	-	101.67	32.61	7.44	30.58	150	0	A	H
		5439.84	58.23	-15.77	74	48.52	32.79	7.52	30.6	150	0	P	H
		5350.8	53.04	-0.96	54	43.51	32.66	7.46	30.59	150	0	A	H
		5116.96	56.44	-17.56	74	47.38	32.29	7.33	30.56	120	20	P	V
		5130.56	44.89	-9.11	54	35.8	32.31	7.34	30.56	120	20	A	V
	*	5310	114.76	-	-	105.29	32.61	7.44	30.58	120	20	P	V
	*	5310	107.13	-	-	97.66	32.61	7.44	30.58	120	20	A	V
		5366.4	58.25	-15.75	74	48.68	32.69	7.47	30.59	120	20	P	V
		5352.24	48.52	-5.48	54	38.99	32.66	7.46	30.59	120	20	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		10540	46.98	-27.02	74	61.47	38.68	11.48	65.19	100	0	P	H
VHT40		15810	46.61	-27.39	74	58.63	37.68	14.14	64.58	100	0	P	H
CH 54		10540	46.64	-27.36	74	61.13	38.68	11.48	65.19	100	0	P	V
5270MHz		15810	46.29	-27.71	74	58.31	37.68	14.14	64.58	100	0	P	V
802.11ac		10620	47.88	-26.12	74	62.11	38.89	11.53	65.18	100	0	P	H
VHT40		15930	45.29	-28.71	74	57.93	37.25	14.23	64.85	100	0	P	H
CH 62		10620	47.51	-26.49	74	61.74	38.89	11.53	65.18	100	0	P	V
5310MHz		15930	45.76	-28.24	74	58.4	37.25	14.23	64.85	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5144.5	58.3	-15.7	74	49.17	32.34	7.35	30.56	243	4	P	H
		5121.38	44.41	-9.59	54	35.35	32.29	7.33	30.56	243	4	A	H
	*	5290	106.06	-	-	96.66	32.55	7.43	30.58	243	4	P	H
	*	5290	97.8	-	-	88.4	32.55	7.43	30.58	243	4	A	H
		5353.68	65.19	-8.81	74	55.66	32.66	7.46	30.59	243	4	P	H
		5358.96	52.47	-1.53	54	42.93	32.66	7.47	30.59	243	4	A	H
		5127.16	54.24	-19.76	74	45.15	32.31	7.34	30.56	169	360	P	V
		5074.12	42.69	-11.31	54	33.7	32.23	7.31	30.55	169	360	A	V
	*	5290	103.26	-	-	93.86	32.55	7.43	30.58	169	360	P	V
	*	5290	95.48	-	-	86.08	32.55	7.43	30.58	169	360	A	V
		5365.2	63.95	-10.05	74	54.38	32.69	7.47	30.59	169	360	P	V
		5361.84	52.4	-1.6	54	42.83	32.69	7.47	30.59	169	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		10580	48.96	-25.04	74	63.29	38.81	11.5	65.18	100	0	P	H
VHT80		15870	45.51	-28.49	74	57.9	37.43	14.18	64.73	100	0	P	H
CH 58		10580	48.59	-25.41	74	62.92	38.81	11.5	65.18	100	0	P	V
5290MHz		15870	46.4	-27.6	74	58.79	37.43	14.18	64.73	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m) for CCD Mode

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5458.48	53.16	-20.84	74	43.4	32.82	7.54	30.6	170	360	P	H
		5467.44	55.41	-12.79	68.2	45.61	32.85	7.56	30.61	170	360	P	H
		5375.92	45.39	-8.61	54	35.82	32.69	7.47	30.59	170	360	A	H
	*	5500	117.54	-	-	107.67	32.9	7.58	30.61	170	360	P	H
	*	5500	109.65	-	-	99.78	32.9	7.58	30.61	170	360	A	H
		5436.08	50.9	-23.1	74	41.19	32.79	7.52	30.6	302	360	P	V
		5469.52	54.14	-14.06	68.2	44.34	32.85	7.56	30.61	302	360	P	V
		5375.92	43.31	-10.69	54	33.74	32.69	7.47	30.59	302	360	A	V
	*	5500	115.26	-	-	105.39	32.9	7.58	30.61	302	360	P	V
	*	5500	107.91	-	-	98.04	32.9	7.58	30.61	302	360	A	V
802.11a CH 116 5580MHz		5419.12	51.46	-22.54	74	41.78	32.77	7.51	30.6	194	358	P	H
		5463.04	52.2	-16	68.2	42.42	32.85	7.54	30.61	194	358	P	H
		5375.92	44.41	-9.59	54	34.84	32.69	7.47	30.59	194	358	A	H
	*	5580	117.48	-	-	107.57	32.89	7.66	30.64	194	358	P	H
	*	5580	109.94	-	-	100.03	32.89	7.66	30.64	194	358	A	H
		5737.91	53.84	-14.36	68.2	43.89	32.85	7.83	30.73	194	358	P	H
		5445.28	50.7	-23.3	74	40.99	32.79	7.52	30.6	291	360	P	V
		5463.76	52.87	-15.33	68.2	43.09	32.85	7.54	30.61	291	360	P	V
		5459.2	42.35	-11.65	54	32.59	32.82	7.54	30.6	291	360	A	V
	*	5580	115.58	-	-	105.67	32.89	7.66	30.64	291	360	P	V
	*	5580	108.11	-	-	98.2	32.89	7.66	30.64	291	360	A	V
		5742.32	51.97	-16.23	68.2	42.02	32.85	7.83	30.73	291	360	P	V

802.11a CH 140 5700MHz	*	5700	118.06	-	-	108.11	32.86	7.79	30.7	193	359	P	H
	*	5700	110.64	-	-	100.69	32.86	7.79	30.7	193	359	A	H
		5726.6	61.42	-6.78	68.2	51.46	32.86	7.81	30.71	193	359	P	H
	*	5700	116.38	-	-	106.43	32.86	7.79	30.7	279	4	P	V
	*	5700	108.87	-	-	98.92	32.86	7.79	30.7	279	4	A	V
		5729.64	59.11	-9.09	68.2	49.15	32.86	7.81	30.71	279	4	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 100 5500MHz		11000	48.19	-25.81	74	61.21	39.8	11.76	65.1	100	0	P	H
		16500	46.46	-21.74	68.2	58.87	37.7	14.3	65.1	100	0	P	H
		11000	47.96	-26.04	74	60.98	39.8	11.76	65.1	100	0	P	V
		16500	46.91	-21.29	68.2	59.32	37.7	14.3	65.1	100	0	P	V
802.11a CH 116 5580MHz		11165	49.48	-24.52	74	62.31	40	11.85	65.2	100	0	P	H
		16740	47.4	-20.8	68.2	57.32	39.97	14.3	64.86	100	0	P	H
		11160	49.28	-24.72	74	62.12	40	11.84	65.2	100	0	P	V
		16740	47.36	-20.84	68.2	57.28	39.97	14.3	64.86	100	0	P	V
802.11a CH 140 5700MHz		11400	47.75	-26.25	74	60.32	40.28	11.97	65.34	100	0	P	H
		17100	50.72	-17.48	68.2	57.77	42.4	14.36	64.46	100	0	P	H
		11400	48.14	-25.86	74	60.71	40.28	11.97	65.34	100	0	P	V
		17100	50.86	-17.34	68.2	57.91	42.4	14.36	64.46	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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)
		5423.92	64.43	-9.57	74	54.75	32.77	7.51	30.6	200	0	P	H
		5467.6	59.26	-8.94	68.2	49.46	32.85	7.56	30.61	200	0	P	H
		5458.16	49.15	-4.85	54	39.39	32.82	7.54	30.6	200	0	A	H
802.11ac	*	5500	117.53	-	-	107.66	32.9	7.58	30.61	200	0	P	H
VHT20	*	5500	110.62	-	-	100.75	32.9	7.58	30.61	200	0	A	H
CH 100		5453.2	61.63	-12.37	74	51.87	32.82	7.54	30.6	200	360	P	V
5500MHz		5463.76	52.67	-15.53	68.2	42.89	32.85	7.54	30.61	200	360	P	V
		5459.12	47.1	-6.9	54	37.34	32.82	7.54	30.6	200	360	A	V
	*	5500	115.49	-	-	105.62	32.9	7.58	30.61	200	360	P	V
	*	5500	108.63	-	-	98.76	32.9	7.58	30.61	200	360	A	V
		5427.04	52.48	-21.52	74	42.8	32.77	7.51	30.6	201	0	P	H
		5463.28	53.73	-14.47	68.2	43.95	32.85	7.54	30.61	201	0	P	H
		5376.16	45.8	-8.2	54	36.22	32.69	7.48	30.59	201	0	A	H
	*	5580	117.1	-	-	107.19	32.89	7.66	30.64	201	0	P	H
802.11ac	*	5580	110.36	-	-	100.45	32.89	7.66	30.64	201	0	A	H
VHT20		5745.47	54.56	-13.64	68.2	44.61	32.85	7.83	30.73	201	0	P	H
CH 116		5452.96	58.9	-15.1	74	49.14	32.82	7.54	30.6	201	360	P	V
5580MHz		5469.04	60.48	-7.72	68.2	50.68	32.85	7.56	30.61	201	360	P	V
		5458.48	45.09	-8.91	54	35.33	32.82	7.54	30.6	201	360	A	V
	*	5580	114.97	-	-	105.06	32.89	7.66	30.64	201	360	P	V
	*	5580	108.11	-	-	98.2	32.89	7.66	30.64	201	360	A	V
		5756.495	52.57	-15.63	68.2	42.61	32.85	7.84	30.73	201	360	P	V

802.11ac VHT20 CH 140 5700MHz	*	5700	115.44	-	-	105.49	32.86	7.79	30.7	213	354	P	H
	*	5700	105.72	-	-	95.77	32.86	7.79	30.7	213	354	A	H
		5743.96	66.66	-1.54	68.2	56.71	32.85	7.83	30.73	213	354	P	H
	*	5700	115.32	-	-	105.37	32.86	7.79	30.7	221	1	P	V
	*	5700	106.79	-	-	96.84	32.86	7.79	30.7	221	1	A	V
		5764.92	67.44	-0.76	68.2	57.49	32.85	7.84	30.74	221	1	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11000	48.75	-25.25	74	61.77	39.8	11.76	65.1	100	0	P	H
VHT20		16500	46.33	-21.87	68.2	58.74	37.7	14.3	65.1	100	0	P	H
CH 100		11000	48.44	-25.56	74	61.46	39.8	11.76	65.1	100	0	P	V
5500MHz		16500	47.24	-20.96	68.2	59.65	37.7	14.3	65.1	100	0	P	V
802.11ac		11160	49.19	-24.81	74	62.03	40	11.84	65.2	100	0	P	H
VHT20		16740	46.75	-21.45	68.2	56.67	39.97	14.3	64.86	100	0	P	H
CH 116		11160	48.61	-25.39	74	61.45	40	11.84	65.2	100	0	P	V
5580MHz		16740	47.69	-20.51	68.2	57.61	39.97	14.3	64.86	100	0	P	V
802.11ac		11400	48.2	-25.8	74	60.77	40.28	11.97	65.34	100	0	P	H
VHT20		17100	52.43	-15.77	68.2	59.48	42.4	14.36	64.46	100	0	P	H
CH 140		11400	48.08	-25.92	74	60.65	40.28	11.97	65.34	100	0	P	V
5700MHz		17100	52.45	-15.75	68.2	59.5	42.4	14.36	64.46	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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)
		5457.52	62.14	-11.86	74	52.38	32.82	7.54	30.6	160	360	P	H
		5467.36	61.08	-7.12	68.2	51.28	32.85	7.56	30.61	160	360	P	H
		5456.32	52.55	-1.45	54	42.79	32.82	7.54	30.6	160	360	A	H
	*	5510	118.92	-	-	109.04	32.9	7.59	30.61	160	360	P	H
802.11ac	*	5510	111.74	-	-	101.86	32.9	7.59	30.61	160	360	P	H
VHT40		5737.595	54.78	-13.42	68.2	44.83	32.85	7.83	30.73	160	360	P	H
CH 102		5446	63.17	-10.83	74	53.43	32.82	7.52	30.6	305	360	P	V
5510MHz		5470	63.91	-4.29	68.2	54.11	32.85	7.56	30.61	305	360	P	V
		5451.04	48.45	-5.55	54	38.69	32.82	7.54	30.6	305	360	A	V
	*	5510	116.18	-	-	106.3	32.9	7.59	30.61	305	360	P	V
	*	5510	107.41	-	-	97.53	32.9	7.59	30.61	305	360	A	V
		5726.885	61.08	-7.12	68.2	51.12	32.86	7.81	30.71	305	360	P	V
		5468.32	71.17	-2.83	74	61.37	32.85	7.56	30.61	161	2	P	H
		5466.88	53.3	-0.7	54	43.5	32.85	7.56	30.61	161	2	A	H
	*	5550	118.93	-	-	109.04	32.89	7.63	30.63	161	2	P	H
	*	5550	112.01	-	-	102.12	32.89	7.63	30.63	161	2	A	H
802.11ac		5736.335	61.54	-12.46	74	51.57	32.85	7.83	30.71	161	2	P	H
VHT40		5759.645	49.86	-4.14	54	39.9	32.85	7.84	30.73	161	2	A	H
CH 110		5394.16	53.56	-20.44	74	43.96	32.71	7.49	30.6	281	22	P	V
5550MHz		5375.92	44.4	-9.6	54	34.83	32.69	7.47	30.59	281	22	A	V
	*	5550	115.34	-	-	105.45	32.89	7.63	30.63	281	22	P	V
	*	5550	108.46	-	-	98.57	32.89	7.63	30.63	281	22	A	V
		5725.625	55.87	-18.13	74	45.91	32.86	7.81	30.71	281	22	P	V
		5730.035	46.62	-7.38	54	36.66	32.86	7.81	30.71	281	22	A	V

		5456.05	52.32	-21.68	74	42.56	32.82	7.54	30.6	185	0	P	H
		5469.35	53.71	-14.49	68.2	43.91	32.85	7.56	30.61	185	0	P	H
		5439.95	45.04	-8.96	54	35.33	32.79	7.52	30.6	185	0	A	H
	*	5670	117	-	-	107.07	32.87	7.75	30.69	185	0	P	H
802.11ac	*	5670	109.25	-	-	99.32	32.87	7.75	30.69	185	0	A	H
VHT40		5735.705	63.98	-4.22	68.2	54.01	32.85	7.83	30.71	185	0	P	H
CH 134		5458.15	54.48	-19.52	74	44.72	32.82	7.54	30.6	280	343	P	V
5670MHz		5462	50.29	-17.91	68.2	40.53	32.82	7.54	30.6	280	343	P	V
		5439.95	44.57	-9.43	54	34.86	32.79	7.52	30.6	280	343	A	V
	*	5670	115.02	-	-	105.09	32.87	7.75	30.69	280	343	P	V
	*	5670	107.27	-	-	97.34	32.87	7.75	30.69	280	343	A	V
		5736.02	67.01	-1.19	68.2	57.04	32.85	7.83	30.71	280	343	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11020	47.95	-26.05	74	60.94	39.82	11.78	65.11	100	0	P	H
VHT40		16530	47.57	-20.63	68.2	59.63	38.02	14.3	65.07	100	0	P	H
CH 102		11020	47.76	-26.24	74	60.75	39.82	11.78	65.11	100	0	P	V
5510MHz		16530	46.8	-21.4	68.2	58.86	38.02	14.3	65.07	100	0	P	V
802.11ac		11100	48.1	-25.9	74	61.01	39.92	11.81	65.16	100	0	P	H
VHT40		16650	46.76	-27.24	74	57.56	39.16	14.3	64.94	100	0	P	H
CH 110		11100	47.86	-26.14	74	60.77	39.92	11.81	65.16	100	0	P	V
5550MHz		16650	46.91	-27.09	74	57.71	39.16	14.3	64.94	100	0	P	V
802.11ac		11340	47.47	-26.53	74	60.12	40.2	11.93	65.3	100	0	P	H
VHT40		17010	51.72	-16.48	68.2	58.93	42.4	14.32	64.58	100	0	P	H
CH 134		11100	48.58	-25.42	74	61.49	39.92	11.81	65.16	100	0	P	V
5670MHz		17010	50.13	-18.07	68.2	57.34	42.4	14.32	64.58	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5420.32	64.8	-9.2	74	55.12	32.77	7.51	30.6	213	0	P	H
		5468.8	64.77	-3.43	68.2	54.97	32.85	7.56	30.61	213	0	P	H
		5434.96	53.41	-0.59	54	43.7	32.79	7.52	30.6	213	0	A	H
	*	5530	106.97	-	-	97.08	32.9	7.61	30.62	213	0	P	H
	*	5530	98.81	-	-	88.92	32.9	7.61	30.62	213	0	A	H
		5729.72	56.99	-11.21	68.2	47.03	32.86	7.81	30.71	213	0	P	H
		5458.96	63.39	-10.61	74	53.63	32.82	7.54	30.6	222	344	P	V
		5468.08	61.25	-6.95	68.2	51.45	32.85	7.56	30.61	222	344	P	V
		5441.68	51.22	-2.78	54	41.51	32.79	7.52	30.6	222	344	A	V
	*	5530	104.87	-	-	94.98	32.9	7.61	30.62	222	344	P	V
	*	5530	97.13	-	-	87.24	32.9	7.61	30.62	222	344	A	V
		5728.775	56.98	-11.22	68.2	47.02	32.86	7.81	30.71	222	344	P	V
802.11ac VHT80 CH 122 5610MHz		5456.56	63.08	-10.92	74	53.32	32.82	7.54	30.6	197	3	P	H
		5466.16	62.78	-5.42	68.2	52.98	32.85	7.56	30.61	197	3	P	H
		5458.96	48.67	-5.33	54	38.91	32.82	7.54	30.6	197	3	A	H
	*	5610	109.06	-	-	99.14	32.88	7.7	30.66	197	3	P	H
	*	5610	101.22	-	-	91.3	32.88	7.7	30.66	197	3	A	H
		5733.185	67.24	-0.96	68.2	57.28	32.86	7.81	30.71	197	3	P	H
		5459.2	60.24	-13.76	74	50.48	32.82	7.54	30.6	223	360	P	V
		5467.6	61.09	-7.11	68.2	51.29	32.85	7.56	30.61	223	360	P	V
		5458.96	44.96	-9.04	54	35.2	32.82	7.54	30.6	223	360	A	V
	*	5610	107.37	-	-	97.45	32.88	7.7	30.66	223	360	P	V
	*	5610	99.06	-	-	89.14	32.88	7.7	30.66	223	360	A	V
		5737.91	66.69	-1.51	68.2	56.74	32.85	7.83	30.73	223	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11060	48.13	-25.87	74	61.07	39.88	11.8	65.14	100	0	P	H
VHT80		16590	48.45	-19.75	68.2	59.97	38.51	14.3	65.01	100	0	P	H
CH 106		11060	49.5	-24.5	74	62.44	39.88	11.8	65.14	100	0	P	V
5530MHz		16590	46.84	-21.36	68.2	58.36	38.51	14.3	65.01	100	0	P	V
802.11ac		11220	48.26	-25.74	74	61.03	40.06	11.88	65.23	100	0	P	H
VHT80		16830	49.05	-19.15	68.2	58.06	40.78	14.31	64.77	100	0	P	H
CH 122		11220	47.97	-26.03	74	60.74	40.06	11.88	65.23	100	0	P	V
5610MHz		16830	49.13	-19.07	68.2	58.14	40.78	14.31	64.77	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m) for CDD Mode

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5720	117.79	-	-	107.83	32.86	7.81	30.71	160	5	P	H
	*	5720	110.4	-	-	100.44	32.86	7.81	30.71	160	5	A	H
	*	5720	116.53	-	-	106.57	32.86	7.81	30.71	234	3	P	V
	*	5720	109.06	-	-	99.1	32.86	7.81	30.71	234	3	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m) for CDD Mode

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		11440	48.52	-25.48	74	52.84	40.32	11.28	56.43	100	0	P	H
		17160	49.81	-18.39	68.2	49.54	42.4	13.4	56.17	100	0	P	H
		11440	48.12	-25.88	74	52.44	40.32	11.28	56.43	100	0	P	V
		17160	49.76	-18.44	68.2	49.49	42.4	13.4	56.17	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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	*	5720	119.12	-	-	109.16	32.86	7.81	30.71	184	12	P	H
VHT20	*	5720	112.06	-	-	102.1	32.86	7.81	30.71	184	12	A	H
CH 144	*	5716	118.69	-	-	108.75	32.86	7.79	30.71	234	4	P	V
5720MHz	*	5716	111.22	-	-	101.28	32.86	7.79	30.71	234	4	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11440	46.99	-27.01	74	51.31	40.32	11.28	56.43	100	0	P	H
VHT20		17160	50.1	-18.1	68.2	49.83	42.4	13.4	56.17	100	0	P	H
CH 144		11440	48.44	-25.56	74	52.76	40.32	11.28	56.43	100	0	P	V
5720MHz		17160	50.34	-17.86	68.2	50.07	42.4	13.4	56.17	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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	*	5710	115.46	-	-	105.51	32.86	7.79	30.7	175	6	P	H
VHT40	*	5710	107.76	-	-	97.81	32.86	7.79	30.7	175	6	A	H
CH 142	*	5710	114.93	-	-	104.98	32.86	7.79	30.7	228	20	P	V
5710MHz	*	5710	107.53	-	-	97.58	32.86	7.79	30.7	228	20	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11420	46.77	-27.23	74	51.11	40.3	11.28	56.43	100	0	P	H
VHT40		17130	50.17	-18.03	68.2	49.84	42.4	13.39	56.11	100	0	P	H
CH 142		11420	47.81	-26.19	74	52.15	40.3	11.28	56.43	100	0	P	V
5710MHz		17130	49.84	-18.36	68.2	49.51	42.4	13.39	56.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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	*	5690	112.69	-	-	102.76	32.86	7.77	30.7	173	9	P	H
VHT80	*	5690	105.26	-	-	95.33	32.86	7.77	30.7	173	9	A	H
CH 138	*	5690	111.88	-	-	101.95	32.86	7.77	30.7	245	5	P	V
5690MHz	*	5690	104.04	-	-	94.11	32.86	7.77	30.7	245	5	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11380	47.58	-26.42	74	51.98	40.26	11.27	56.45	100	0	P	H
VHT80		17070	50.07	-18.13	68.2	49.69	42.4	13.34	56.01	100	0	P	H
CH 138		11380	47.02	-26.98	74	51.42	40.26	11.27	56.45	100	0	P	V
5690MHz		17070	49.73	-18.47	68.2	49.35	42.4	13.34	56.01	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m) for Beamforming Mode

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+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		65.64	18.2	-21.8	40	41.36	8.24	0.84	32.31	-	-	P	H
		166.08	27.5	-16	43.5	46.67	11.7	1.35	32.28	-	-	P	H
		250.05	34.86	-11.14	46	50.23	15.16	1.59	32.2	-	-	P	H
		374.9	35.5	-10.5	46	48.09	17.58	1.89	32.15	-	-	P	H
		624.8	42.38	-3.62	46	49.04	22.98	2.45	32.2	100	0	P	H
		874.7	39.55	-6.45	46	42.02	26.14	2.9	31.63	-	-	P	H
		34.86	27.86	-12.14	40	41.14	18.48	0.59	32.33	-	-	P	V
		200.1	22.84	-20.66	43.5	42.43	11.19	1.42	32.27	-	-	P	V
		250.05	26.83	-19.17	46	42.2	15.16	1.59	32.2	-	-	P	V
		500.2	33.92	-12.08	46	42.92	20.92	2.2	32.2	-	-	P	V
		624.8	42.81	-3.19	46	49.47	22.98	2.45	32.2	100	0	P	V
		874.7	39.47	-6.53	46	41.94	26.14	2.9	31.63	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

For Sample 3

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m) for CCD Mode

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5115.96	51.44	-22.56	74	40.96	33.6	11.95	35.07	184	114	P	H
		5135.98	44.06	-9.94	54	33.54	33.65	11.95	35.08	184	114	A	H
	*	5260	113.99	-	-	102.92	33.99	12.16	35.08	184	114	P	H
	*	5260	106.93	-	-	95.86	33.99	12.16	35.08	184	114	A	H
		5375.76	53.88	-20.12	74	42.19	34.25	12.53	35.09	184	114	P	H
		5376	50.71	-3.29	54	39.02	34.25	12.53	35.09	184	114	A	H
		5044.2	50.8	-23.2	74	40.59	33.43	11.85	35.07	288	146	P	V
		5135.98	42.56	-11.44	54	32.04	33.65	11.95	35.08	288	146	A	V
	*	5260	112.1	-	-	101.03	33.99	12.16	35.08	288	146	P	V
	*	5260	104.97	-	-	93.9	33.99	12.16	35.08	288	146	A	V
		5434.8	50.53	-23.47	74	38.56	34.43	12.63	35.09	288	146	P	V
		5376	47.44	-6.56	54	35.75	34.25	12.53	35.09	288	146	A	V
802.11a CH 60 5300MHz		5112	52.02	-21.98	74	41.54	33.6	11.95	35.07	183	114	P	H
		5120.05	44.02	-9.98	54	33.55	33.6	11.95	35.08	183	114	A	H
	*	5300	114.25	-	-	102.97	34.08	12.28	35.08	183	114	P	H
	*	5300	107.06	-	-	95.78	34.08	12.28	35.08	183	114	A	H
		5376.24	53.29	-20.71	74	41.6	34.25	12.53	35.09	183	114	P	H
		5376	50.41	-3.59	54	38.72	34.25	12.53	35.09	183	114	A	H
		5127.75	50.7	-23.3	74	40.18	33.65	11.95	35.08	284	146	P	V
		5136.15	42.78	-11.22	54	32.26	33.65	11.95	35.08	284	146	A	V
	*	5300	112.53	-	-	101.25	34.08	12.28	35.08	284	146	P	V
	*	5300	104.88	-	-	93.6	34.08	12.28	35.08	284	146	A	V
		5375.76	51.34	-22.66	74	39.65	34.25	12.53	35.09	284	146	P	V
		5376	46.77	-7.23	54	35.08	34.25	12.53	35.09	284	146	A	V

802.11a CH 64 5320MHz	*	5320	114.63	-	-	103.18	34.12	12.41	35.08	183	114	P	H
	*	5320	107.18	-	-	95.73	34.12	12.41	35.08	183	114	A	H
		5350.4	54.29	-19.71	74	42.63	34.21	12.53	35.08	183	114	P	H
		5375.84	48.39	-5.61	54	36.7	34.25	12.53	35.09	183	114	A	H
	*	5320	112.92	-	-	101.47	34.12	12.41	35.08	185	131	P	V
	*	5320	105.58	-	-	94.13	34.12	12.41	35.08	185	131	A	V
		5354.88	52.11	-21.89	74	40.45	34.21	12.53	35.08	185	131	P	V
		5376	47.14	-6.86	54	35.45	34.25	12.53	35.09	185	131	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 52 5260MHz		10520	46.02	-27.98	74	48.04	39.18	17.98	59.18	100	0	P	H
		15780	50.08	-23.92	74	42.8	41.55	22.41	56.68	100	0	P	H
		10520	45.21	-28.79	74	47.23	39.18	17.98	59.18	100	0	P	V
		15780	49.82	-24.18	74	42.54	41.55	22.41	56.68	100	0	P	V
802.11a CH 60 5300MHz		10600	45.65	-28.35	74	47.61	39.06	18.06	59.08	100	0	P	H
		15900	50.25	-23.75	74	42.51	41.79	22.53	56.58	100	0	P	H
		10600	45.56	-28.44	74	47.52	39.06	18.06	59.08	100	0	P	V
		15900	50.04	-23.96	74	42.3	41.79	22.53	56.58	100	0	P	V
802.11a CH 64 5320MHz		10640	45.93	-28.07	74	47.86	39.01	18.09	59.03	100	0	P	H
		15960	50.97	-23.03	74	42.96	41.93	22.61	56.53	100	0	P	H
		10640	45.35	-28.65	74	47.28	39.01	18.09	59.03	100	0	P	V
		15960	50.26	-23.74	74	42.25	41.93	22.61	56.53	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2+3	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 52 5260MHz		5115.96	51.44	-22.56	74	40.96	33.6	11.95	35.07	184	114	P	H
		5135.98	44.06	-9.94	54	33.54	33.65	11.95	35.08	184	114	A	H
	*	5260	113.99	-	-	102.92	33.99	12.16	35.08	184	114	P	H
	*	5260	106.93	-	-	95.86	33.99	12.16	35.08	184	114	A	H
		5375.76	53.88	-20.12	74	42.19	34.25	12.53	35.09	184	114	P	H
		5376	50.71	-3.29	54	39.02	34.25	12.53	35.09	184	114	A	H
		5044.2	50.8	-23.2	74	40.59	33.43	11.85	35.07	288	146	P	V
		5135.98	42.56	-11.44	54	32.04	33.65	11.95	35.08	288	146	A	V
	*	5260	112.1	-	-	101.03	33.99	12.16	35.08	288	146	P	V
	*	5260	104.97	-	-	93.9	33.99	12.16	35.08	288	146	A	V
		5434.8	50.53	-23.47	74	38.56	34.43	12.63	35.09	288	146	P	V
		5376	47.44	-6.56	54	35.75	34.25	12.53	35.09	288	146	A	V
802.11a CH 60 5300MHz		5112	52.02	-21.98	74	41.54	33.6	11.95	35.07	183	114	P	H
		5120.05	44.02	-9.98	54	33.55	33.6	11.95	35.08	183	114	A	H
	*	5300	114.25	-	-	102.97	34.08	12.28	35.08	183	114	P	H
	*	5300	107.06	-	-	95.78	34.08	12.28	35.08	183	114	A	H
		5376.24	53.29	-20.71	74	41.6	34.25	12.53	35.09	183	114	P	H
		5376	50.41	-3.59	54	38.72	34.25	12.53	35.09	183	114	A	H
		5127.75	50.7	-23.3	74	40.18	33.65	11.95	35.08	284	146	P	V
		5136.15	42.78	-11.22	54	32.26	33.65	11.95	35.08	284	146	A	V
	*	5300	112.53	-	-	101.25	34.08	12.28	35.08	284	146	P	V
	*	5300	104.88	-	-	93.6	34.08	12.28	35.08	284	146	A	V
		5375.76	51.34	-22.66	74	39.65	34.25	12.53	35.09	284	146	P	V
		5376	46.77	-7.23	54	35.08	34.25	12.53	35.09	284	146	A	V

802.11a CH 64 5320MHz	*	5320	114.63	-	-	103.18	34.12	12.41	35.08	183	114	P	H
	*	5320	107.18	-	-	95.73	34.12	12.41	35.08	183	114	A	H
		5350.4	54.29	-19.71	74	42.63	34.21	12.53	35.08	183	114	P	H
		5375.84	48.39	-5.61	54	36.7	34.25	12.53	35.09	183	114	A	H
	*	5320	112.92	-	-	101.47	34.12	12.41	35.08	185	131	P	V
	*	5320	105.58	-	-	94.13	34.12	12.41	35.08	185	131	A	V
		5354.88	52.11	-21.89	74	40.45	34.21	12.53	35.08	185	131	P	V
		5376	47.14	-6.86	54	35.45	34.25	12.53	35.09	185	131	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2+3	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 52 5260MHz		10520	46.02	-27.98	74	48.04	39.18	17.98	59.18	100	0	P	H
		15780	50.08	-23.92	74	42.8	41.55	22.41	56.68	100	0	P	H
		10520	45.21	-28.79	74	47.23	39.18	17.98	59.18	100	0	P	V
		15780	49.82	-24.18	74	42.54	41.55	22.41	56.68	100	0	P	V
802.11a CH 60 5300MHz		10600	45.65	-28.35	74	47.61	39.06	18.06	59.08	100	0	P	H
		15900	50.25	-23.75	74	42.51	41.79	22.53	56.58	100	0	P	H
		10600	45.56	-28.44	74	47.52	39.06	18.06	59.08	100	0	P	V
		15900	50.04	-23.96	74	42.3	41.79	22.53	56.58	100	0	P	V
802.11a CH 64 5320MHz		10640	45.93	-28.07	74	47.86	39.01	18.09	59.03	100	0	P	H
		15960	50.97	-23.03	74	42.96	41.93	22.61	56.53	100	0	P	H
		10640	45.35	-28.65	74	47.28	39.01	18.09	59.03	100	0	P	V
		15960	50.26	-23.74	74	42.25	41.93	22.61	56.53	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2+3	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)
		5073.5	50.16	-23.84	74	39.81	33.52	11.9	35.07	200	117	P	H
		5120.05	41	-13	54	30.53	33.6	11.95	35.08	200	117	A	H
	*	5260	112.49	-	-	101.42	33.99	12.16	35.08	200	117	P	H
	*	5260	103.55	-	-	92.48	33.99	12.16	35.08	200	117	A	H
802.11ac		5376	54	-20	74	42.31	34.25	12.53	35.09	200	117	P	H
VHT20		5376	48.53	-5.47	54	36.84	34.25	12.53	35.09	200	117	A	H
CH 52		5037.45	50.72	-23.28	74	40.55	33.39	11.85	35.07	200	180	P	V
5260MHz		5120.05	41.36	-12.64	54	30.89	33.6	11.95	35.08	200	180	A	V
	*	5260	113	-	-	101.93	33.99	12.16	35.08	200	180	P	V
	*	5260	105.23	-	-	94.16	33.99	12.16	35.08	200	180	A	V
		5376	54.94	-19.06	74	43.25	34.25	12.53	35.09	200	180	P	V
		5376	48.74	-5.26	54	37.05	34.25	12.53	35.09	200	180	A	V
		5150	49.51	-24.49	74	38.91	33.69	11.99	35.08	200	113	P	H
		5120.05	40.92	-13.08	54	30.45	33.6	11.95	35.08	200	113	A	H
	*	5300	113.32	-	-	102.04	34.08	12.28	35.08	200	113	P	H
	*	5300	104.29	-	-	93.01	34.08	12.28	35.08	200	113	A	H
802.11ac		5375.76	55.44	-18.56	74	43.75	34.25	12.53	35.09	200	113	P	H
VHT20		5376	49.97	-4.03	54	38.28	34.25	12.53	35.09	200	113	A	H
CH 60		5084.35	49.92	-24.08	74	39.57	33.52	11.9	35.07	200	127	P	V
5300MHz		5120.05	41.08	-12.92	54	30.61	33.6	11.95	35.08	200	127	A	V
	*	5300	113.64	-	-	102.36	34.08	12.28	35.08	200	127	P	V
	*	5300	105.84	-	-	94.56	34.08	12.28	35.08	200	127	A	V
		5376	54.13	-19.87	74	42.44	34.25	12.53	35.09	200	127	P	V
		5376	49.36	-4.64	54	37.67	34.25	12.53	35.09	200	127	A	V

802.11ac VHT20 CH 64 5320MHz	*	5320	113.52	-	-	102.07	34.12	12.41	35.08	200	115	P	H
	*	5320	106.54	-	-	95.09	34.12	12.41	35.08	200	115	A	H
		5376	54.2	-19.8	74	42.51	34.25	12.53	35.09	200	115	P	H
		5376	49.84	-4.16	54	38.15	34.25	12.53	35.09	200	115	A	H
	*	5320	113.69	-	-	102.24	34.12	12.41	35.08	200	185	P	V
	*	5320	106.16	-	-	94.71	34.12	12.41	35.08	200	185	A	V
		5376.16	55.15	-18.85	74	43.46	34.25	12.53	35.09	200	185	P	V
		5376	49.55	-4.45	54	37.86	34.25	12.53	35.09	200	185	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2+3	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		10520	45.45	-28.55	74	47.47	39.18	17.98	59.18	100	0	P	H
VHT20		15780	48.68	-25.32	74	41.4	41.55	22.41	56.68	100	0	P	H
CH 52		10520	45.63	-28.37	74	47.65	39.18	17.98	59.18	100	0	P	V
5260MHz		15780	48.26	-25.74	74	40.98	41.55	22.41	56.68	100	0	P	V
802.11ac		10600	46.19	-27.81	74	48.15	39.06	18.06	59.08	100	0	P	H
VHT20		15900	48.59	-25.41	74	40.85	41.79	22.53	56.58	100	0	P	H
CH 60		10600	46.18	-27.82	74	48.14	39.06	18.06	59.08	100	0	P	V
5300MHz		15900	49.4	-24.6	74	41.66	41.79	22.53	56.58	100	0	P	V
802.11ac		10640	45.52	-28.48	74	47.45	39.01	18.09	59.03	100	0	P	H
VHT20		15960	48.27	-25.73	74	40.26	41.93	22.61	56.53	100	0	P	H
CH 64		10640	46.02	-27.98	74	47.95	39.01	18.09	59.03	100	0	P	V
5320MHz		15960	48.01	-25.99	74	40	41.93	22.61	56.53	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2+3	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 VHT40 CH 54 5270MHz		5104.3	50.96	-23.04	74	40.52	33.56	11.95	35.07	200	119	P	H
		5120.05	42.05	-11.95	54	31.58	33.6	11.95	35.08	200	119	A	H
	*	5270	110.97	-	-	99.78	33.99	12.28	35.08	200	119	P	H
	*	5270	102.41	-	-	91.22	33.99	12.28	35.08	200	119	A	H
		5376	55.98	-18.02	74	44.29	34.25	12.53	35.09	200	119	P	H
		5376	51.19	-2.81	54	39.5	34.25	12.53	35.09	200	119	A	H
		5108.85	50.53	-23.47	74	40.05	33.6	11.95	35.07	200	125	P	V
		5120.05	42.21	-11.79	54	31.74	33.6	11.95	35.08	200	125	A	V
	*	5270	110.55	-	-	99.36	33.99	12.28	35.08	200	125	P	V
	*	5270	101.9	-	-	90.71	33.99	12.28	35.08	200	125	A	V
		5375.76	55.56	-18.44	74	43.87	34.25	12.53	35.09	200	125	P	V
		5376	50.9	-3.1	54	39.21	34.25	12.53	35.09	200	125	A	V
802.11ac VHT40 CH 62 5310MHz		5130.55	49.86	-24.14	74	39.34	33.65	11.95	35.08	200	116	P	H
		5120.05	41.49	-12.51	54	31.02	33.6	11.95	35.08	200	116	A	H
	*	5310	108.19	-	-	96.74	34.12	12.41	35.08	200	116	P	H
	*	5310	100.49	-	-	89.04	34.12	12.41	35.08	200	116	A	H
		5353.92	59.96	-14.04	74	48.3	34.21	12.53	35.08	200	116	P	H
		5354.16	51.26	-2.74	54	39.6	34.21	12.53	35.08	200	116	A	H
		5140.35	50.7	-23.3	74	40.1	33.69	11.99	35.08	200	124	P	V
		5120.05	41.96	-12.04	54	31.49	33.6	11.95	35.08	200	124	A	V
	*	5310	108.54	-	-	97.09	34.12	12.41	35.08	200	124	P	V
	*	5310	100.71	-	-	89.26	34.12	12.41	35.08	200	124	A	V
		5352.48	61.02	-12.98	74	49.36	34.21	12.53	35.08	200	124	P	V
		5350.08	52.83	-1.17	54	41.17	34.21	12.53	35.08	200	124	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2+3	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		10540	45.66	-28.34	74	47.69	39.15	17.98	59.16	100	0	P	H
VHT40		15810	48.09	-25.91	74	40.67	41.62	22.45	56.65	100	0	P	H
CH 54		10540	46.43	-27.57	74	48.46	39.15	17.98	59.16	100	0	P	V
5270MHz		15810	48.07	-25.93	74	40.65	41.62	22.45	56.65	100	0	P	V
802.11ac		10620	46.09	-27.91	74	48.06	39.03	18.06	59.06	100	0	P	H
VHT40		15930	50.83	-23.17	74	42.96	41.86	22.57	56.56	100	0	P	H
CH 62		10620	45.96	-28.04	74	47.93	39.03	18.06	59.06	100	0	P	V
5310MHz		15930	48.17	-25.83	74	40.3	41.86	22.57	56.56	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5123.9	49.62	-24.38	74	39.1	33.65	11.95	35.08	200	114	P	H
		5133	40.93	-13.07	54	30.41	33.65	11.95	35.08	200	114	A	H
	*	5290	102.78	-	-	91.54	34.04	12.28	35.08	200	114	P	H
	*	5290	94.75	-	-	83.51	34.04	12.28	35.08	200	114	A	H
		5355.84	60.73	-13.27	74	49.07	34.21	12.53	35.08	200	114	P	H
		5354.16	52.99	-1.01	54	41.33	34.21	12.53	35.08	200	114	A	H
		5145.6	50	-24	74	39.4	33.69	11.99	35.08	200	124	P	V
		5149.8	41.11	-12.89	54	30.51	33.69	11.99	35.08	200	124	A	V
	*	5290	103.42	-	-	92.18	34.04	12.28	35.08	200	124	P	V
	*	5290	94.8	-	-	83.56	34.04	12.28	35.08	200	124	A	V
		5350.8	60.77	-13.23	74	49.11	34.21	12.53	35.08	200	124	P	V
		5350.32	52.09	-1.91	54	40.43	34.21	12.53	35.08	200	124	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2+3	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		10580	46.77	-27.23	74	48.77	39.08	18.02	59.1	100	0	P	H
VHT80		15870	49.15	-24.85	74	41.46	41.76	22.53	56.6	100	0	P	H
CH 58		10580	45.44	-28.56	74	47.44	39.08	18.02	59.1	100	0	P	V
5290MHz		15870	49.36	-24.64	74	41.67	41.76	22.53	56.6	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2+3	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 100 5500MHz		5464.56	55.91	-18.09	74	43.88	34.51	12.61	35.09	179	113	P	H
		5468.56	48.35	-5.65	54	36.32	34.51	12.61	35.09	179	113	A	H
	*	5500	114.36	-	-	102.24	34.6	12.61	35.09	179	113	P	H
	*	5500	107.16	-	-	95.04	34.6	12.61	35.09	179	113	A	H
		5465.84	52.76	-21.24	74	40.73	34.51	12.61	35.09	304	146	P	V
		5466.96	45.54	-8.46	54	33.51	34.51	12.61	35.09	304	146	A	V
	*	5500	112.1	-	-	99.98	34.6	12.61	35.09	304	146	P	V
	*	5500	104.57	-	-	92.45	34.6	12.61	35.09	304	146	A	V
802.11a CH 116 5580MHz		5448.4	51.45	-22.55	74	39.44	34.47	12.63	35.09	177	113	P	H
		5375.92	48.31	-5.69	54	36.62	34.25	12.53	35.09	177	113	A	H
	*	5580	114.01	-	-	101.94	34.6	12.58	35.11	177	113	P	H
	*	5580	106.31	-	-	94.24	34.6	12.58	35.11	177	113	A	H
		5749.88	51.24	-22.76	74	39	34.6	12.79	35.15	177	113	P	H
		5759.96	45.98	-8.02	54	33.75	34.6	12.79	35.16	177	113	A	H
		5457.52	51.28	-22.72	74	39.27	34.47	12.63	35.09	266	160	P	V
		5375.92	46.01	-7.99	54	34.32	34.25	12.53	35.09	266	160	A	V
	*	5580	110.56	-	-	98.49	34.6	12.58	35.11	266	160	P	V
	*	5580	102.95	-	-	90.88	34.6	12.58	35.11	266	160	A	V
		5740.43	50.3	-23.7	74	38.06	34.6	12.79	35.15	266	160	P	V
		5759.96	43.38	-10.62	54	31.15	34.6	12.79	35.16	266	160	A	V

802.11a CH 140 5700MHz	*	5700	112.13	-	-	100	34.6	12.67	35.14	176	113	P	H
	*	5700	104.49	-	-	92.36	34.6	12.67	35.14	176	113	A	H
		5727.96	59.45	-14.55	74	47.26	34.6	12.73	35.14	176	113	P	H
		5727.4	48.34	-5.66	54	36.15	34.6	12.73	35.14	176	113	A	H
	*	5700	109.15	-	-	97.02	34.6	12.67	35.14	100	148	P	V
	*	5700	101.63	-	-	89.5	34.6	12.67	35.14	100	148	A	V
		5728.44	53.56	-20.44	74	41.37	34.6	12.73	35.14	100	148	P	V
		5759.88	46.53	-7.47	54	34.3	34.6	12.79	35.16	100	148	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2+3	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 100 5500MHz		11000	46.39	-27.61	74	48.06	38.5	18.43	58.6	100	0	P	H
		16500	50.88	-23.12	74	41.05	43	22.93	56.1	100	0	P	H
		11000	45.79	-28.21	74	47.46	38.5	18.43	58.6	100	0	P	V
		16500	50.08	-23.92	74	40.25	43	22.93	56.1	100	0	P	V
802.11a CH 116 5580MHz		11160	46	-28	74	46.82	38.77	18.58	58.17	100	0	P	H
		16740	50.44	-23.56	74	40.43	42.9	23.07	55.96	100	0	P	H
		11160	47.42	-26.58	74	48.24	38.77	18.58	58.17	100	0	P	V
		16740	50.84	-23.16	74	40.83	42.9	23.07	55.96	100	0	P	V
802.11a CH 140 5700MHz		11400	47.17	-26.83	74	46.79	39.14	18.8	57.56	100	0	P	H
		17100	50.69	-23.31	74	40.57	42.64	23.28	55.8	100	0	P	H
		11400	46.37	-27.63	74	45.99	39.14	18.8	57.56	100	0	P	V
		17100	50.58	-23.42	74	40.46	42.64	23.28	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2+3	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)
		5376.24	54.01	-19.99	74	42.32	34.25	12.53	35.09	200	110	P	H
		5468.88	55.29	-12.91	68.2	43.26	34.51	12.61	35.09	200	110	P	H
		5375.92	49.51	-4.49	54	37.82	34.25	12.53	35.09	200	110	A	H
802.11ac	*	5500	114.89	-	-	102.77	34.6	12.61	35.09	200	110	P	H
VHT20	*	5500	107.27	-	-	95.15	34.6	12.61	35.09	200	110	A	H
CH 100		5458	53.71	-20.29	74	41.7	34.47	12.63	35.09	200	128	P	V
5500MHz		5469.68	55.13	-13.07	68.2	43.1	34.51	12.61	35.09	200	128	P	V
		5375.92	49.01	-4.99	54	37.32	34.25	12.53	35.09	200	128	A	V
	*	5500	113.84	-	-	101.72	34.6	12.61	35.09	200	128	P	V
	*	5500	106.51	-	-	94.39	34.6	12.61	35.09	200	128	A	V
		5375.92	52.66	-21.34	74	40.97	34.25	12.53	35.09	200	112	P	H
		5463.28	51.91	-16.29	68.2	39.88	34.51	12.61	35.09	200	112	P	H
		5375.92	47.76	-6.24	54	36.07	34.25	12.53	35.09	200	112	A	H
	*	5580	113.77	-	-	101.7	34.6	12.58	35.11	200	112	P	H
802.11ac	*	5580	104.88	-	-	92.81	34.6	12.58	35.11	200	112	A	H
VHT20		5739.17	53.39	-14.81	68.2	41.21	34.6	12.73	35.15	200	112	P	H
CH 116		5375.44	53.3	-20.7	74	41.61	34.25	12.53	35.09	200	178	P	V
5580MHz		5468.32	52.84	-15.36	68.2	40.81	34.51	12.61	35.09	200	178	P	V
		5375.92	48.21	-5.79	54	36.52	34.25	12.53	35.09	200	178	A	V
	*	5580	112.84	-	-	100.77	34.6	12.58	35.11	200	178	P	V
	*	5580	104.43	-	-	92.36	34.6	12.58	35.11	200	178	A	V
		5759.645	52.64	-15.56	68.2	40.41	34.6	12.79	35.16	200	178	P	V

802.11ac VHT20 CH 140 5700MHz	*	5700	114.63	-	-	102.5	34.6	12.67	35.14	200	110	P	H
	*	5700	107.54	-	-	95.41	34.6	12.67	35.14	200	110	A	H
		5725.16	61.28	-6.92	68.2	49.09	34.6	12.73	35.14	200	110	P	H
	*	5700	112.56	-	-	100.43	34.6	12.67	35.14	200	175	P	V
	*	5700	105.22	-	-	93.09	34.6	12.67	35.14	200	175	A	V
		5725.16	57.84	-10.36	68.2	45.65	34.6	12.73	35.14	200	175	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2+3	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		11000	45.05	-28.95	74	46.72	38.5	18.43	58.6	100	0	P	H
VHT20		16500	50.65	-17.55	68.2	40.82	43	22.93	56.1	100	0	P	H
CH 100		11000	45.75	-28.25	74	47.42	38.5	18.43	58.6	100	0	P	V
5500MHz		16500	50.39	-17.81	68.2	40.56	43	22.93	56.1	100	0	P	V
802.11ac		11160	47.42	-26.58	74	48.24	38.77	18.58	58.17	100	0	P	H
VHT20		16740	50.63	-17.57	68.2	40.62	42.9	23.07	55.96	100	0	P	H
CH 116		11160	47.16	-26.84	74	47.98	38.77	18.58	58.17	100	0	P	V
5580MHz		16740	50.29	-17.91	68.2	40.28	42.9	23.07	55.96	100	0	P	V
802.11ac		11400	46.16	-27.84	74	45.78	39.14	18.8	57.56	100	0	P	H
VHT20		17100	50.05	-18.15	68.2	39.93	42.64	23.28	55.8	100	0	P	H
CH 140		11400	47.65	-26.35	74	47.27	39.14	18.8	57.56	100	0	P	V
5700MHz		17100	50.48	-17.72	68.2	40.36	42.64	23.28	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2+3	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)
		5458.96	56.32	-17.68	74	44.31	34.47	12.63	35.09	200	112	P	H
		5470	61.83	-6.37	68.2	49.8	34.51	12.61	35.09	200	112	P	H
		5375.92	49.75	-4.25	54	38.06	34.25	12.53	35.09	200	112	A	H
	*	5510	112.16	-	-	100.07	34.6	12.59	35.1	200	112	P	H
802.11ac	*	5510	103.56	-	-	91.47	34.6	12.59	35.1	200	112	A	H
VHT40		5759.96	53.72	-14.48	68.2	41.49	34.6	12.79	35.16	200	112	P	H
CH 102		5459.44	56.34	-17.66	74	44.33	34.47	12.63	35.09	200	179	P	V
5510MHz		5469.76	60.57	-7.63	68.2	48.54	34.51	12.61	35.09	200	179	P	V
		5375.92	49.74	-4.26	54	38.05	34.25	12.53	35.09	200	179	A	V
	*	5510	111.43	-	-	99.34	34.6	12.59	35.1	200	179	P	V
	*	5510	102.91	-	-	90.82	34.6	12.59	35.1	200	179	A	V
		5759.96	53.24	-14.96	68.2	41.01	34.6	12.79	35.16	200	179	P	V
		5458.48	54.7	-19.3	74	42.69	34.47	12.63	35.09	200	116	P	H
		5465.2	54.43	-13.77	68.2	42.4	34.51	12.61	35.09	200	116	P	H
		5375.92	48.65	-5.35	54	36.96	34.25	12.53	35.09	200	116	A	H
	*	5550	112.35	-	-	100.27	34.6	12.58	35.1	200	116	P	H
802.11ac	*	5550	103.62	-	-	91.54	34.6	12.58	35.1	200	116	A	H
VHT40		5759.645	53.4	-14.8	68.2	41.17	34.6	12.79	35.16	200	116	P	H
CH 110		5375.68	54.45	-19.55	74	42.76	34.25	12.53	35.09	200	179	P	V
5550MHz		5466.64	53.41	-14.79	68.2	41.38	34.51	12.61	35.09	200	179	P	V
		5375.92	48.66	-5.34	54	36.97	34.25	12.53	35.09	200	179	A	V
	*	5550	111.15	-	-	99.07	34.6	12.58	35.1	200	179	P	V
	*	5550	102.52	-	-	90.44	34.6	12.58	35.1	200	179	A	V
		5759.96	53.75	-14.45	68.2	41.52	34.6	12.79	35.16	200	179	P	V

		5375.55	54.12	-19.88	74	42.43	34.25	12.53	35.09	200	112	P	H
		5463.4	51.39	-16.81	68.2	39.36	34.51	12.61	35.09	200	112	P	H
		5375.9	47.62	-6.38	54	35.93	34.25	12.53	35.09	200	112	A	H
	*	5670	112.23	-	-	100.09	34.6	12.67	35.13	200	112	P	H
802.11ac	*	5670	103.7	-	-	91.56	34.6	12.67	35.13	200	112	A	H
VHT40		5733.15	59.34	-8.86	68.2	47.16	34.6	12.73	35.15	200	112	P	H
CH 134		5452.2	52.53	-21.47	74	40.52	34.47	12.63	35.09	200	180	P	V
5670MHz		5464.8	52.46	-15.74	68.2	40.43	34.51	12.61	35.09	200	180	P	V
		5375.9	47.56	-6.44	54	35.87	34.25	12.53	35.09	200	180	A	V
	*	5670	109.62	-	-	97.48	34.6	12.67	35.13	200	180	P	V
	*	5670	101.86	-	-	89.72	34.6	12.67	35.13	200	180	A	V
		5725.8	56.49	-11.71	68.2	44.3	34.6	12.73	35.14	200	180	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2+3	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		11020	45.09	-28.91	74	46.69	38.53	18.43	58.56	100	0	P	H
VHT40		16530	50.43	-17.77	68.2	40.56	42.99	22.96	56.08	100	0	P	H
CH 102		11020	44.99	-29.01	74	46.59	38.53	18.43	58.56	100	0	P	V
5510MHz		16530	50.68	-17.52	68.2	40.81	42.99	22.96	56.08	100	0	P	V
802.11ac		11100	45.5	-28.5	74	46.68	38.66	18.5	58.34	100	0	P	H
VHT40		16650	50.19	-18.01	68.2	40.23	42.94	23.03	56.01	100	0	P	H
CH 110		11100	45.8	-28.2	74	46.98	38.66	18.5	58.34	100	0	P	V
5550MHz		16650	50.93	-17.27	68.2	40.97	42.94	23.03	56.01	100	0	P	V
802.11ac		11340	46.63	-27.37	74	46.6	39.03	18.73	57.73	100	0	P	H
VHT40		17010	50.23	-17.97	68.2	40.02	42.77	23.24	55.8	100	0	P	H
CH 134		11340	45.79	-28.21	74	45.76	39.03	18.73	57.73	100	0	P	V
5670MHz		17010	50.14	-18.06	68.2	39.93	42.77	23.24	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5458	61.67	-12.33	74	49.66	34.47	12.63	35.09	200	117	P	H
		5470	61.58	-6.62	68.2	49.55	34.51	12.61	35.09	200	117	P	H
		5457.52	52.78	-1.22	54	40.77	34.47	12.63	35.09	200	117	A	H
	*	5530	107.28	-	-	95.19	34.6	12.59	35.1	200	117	P	H
	*	5530	99.42	-	-	87.33	34.6	12.59	35.1	200	117	A	H
		5760.275	54.05	-14.15	68.2	41.82	34.6	12.79	35.16	200	117	P	H
		5446	63.04	-10.96	74	51.03	34.47	12.63	35.09	200	122	P	V
		5470	62.07	-6.13	68.2	50.04	34.51	12.61	35.09	200	122	P	V
		5452.24	52.82	-1.18	54	40.81	34.47	12.63	35.09	200	122	A	V
	*	5530	107.06	-	-	94.97	34.6	12.59	35.1	200	122	P	V
	*	5530	98.87	-	-	86.78	34.6	12.59	35.1	200	122	A	V
		5759.96	53.18	-15.02	68.2	40.95	34.6	12.79	35.16	200	122	P	V
802.11ac VHT80 CH 122 5610MHz		5458.15	53.51	-20.49	74	41.5	34.47	12.63	35.09	200	118	P	H
		5463.4	54.73	-13.47	68.2	42.7	34.51	12.61	35.09	200	118	P	H
		5375.9	48.27	-5.73	54	36.58	34.25	12.53	35.09	200	118	A	H
	*	5610	107.14	-	-	95.1	34.6	12.56	35.12	200	118	P	H
	*	5610	99.07	-	-	87.03	34.6	12.56	35.12	200	118	A	H
		5725.45	57.54	-10.66	68.2	45.35	34.6	12.73	35.14	200	118	P	H
		5375.9	53.74	-20.26	74	42.05	34.25	12.53	35.09	200	123	P	V
		5468.3	55.38	-12.82	68.2	43.35	34.51	12.61	35.09	200	123	P	V
		5375.9	48.84	-5.16	54	37.15	34.25	12.53	35.09	200	123	A	V
	*	5610	106.82	-	-	94.78	34.6	12.56	35.12	200	123	P	V
	*	5610	98.69	-	-	86.65	34.6	12.56	35.12	200	123	A	V
		5733.325	56.6	-11.6	68.2	44.42	34.6	12.73	35.15	200	123	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2+3	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		11060	45.15	-28.85	74	46.5	38.61	18.47	58.43	100	0	P	H
VHT80		16590	50.09	-18.11	68.2	40.17	42.97	23	56.05	100	0	P	H
CH 106		11060	45.54	-28.46	74	46.89	38.61	18.47	58.43	100	0	P	V
5530MHz		16590	50.65	-17.55	68.2	40.73	42.97	23	56.05	100	0	P	V
802.11ac		11220	45.74	-28.26	74	46.31	38.85	18.62	58.04	100	0	P	H
VHT80		16830	50.12	-18.08	68.2	40.01	42.87	23.14	55.9	100	0	P	H
CH 122		11220	47.32	-26.68	74	47.89	38.85	18.62	58.04	100	0	P	V
5610MHz		16830	50.58	-17.62	68.2	40.47	42.87	23.14	55.9	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2+3	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 144 5720MHz	*	5720	109.84	-	-	97.65	34.6	12.73	35.14	189	112	P	H
	*	5720	102.46	-	-	90.27	34.6	12.73	35.14	189	112	A	H
	*	5720	109.56	-	-	97.37	34.6	12.73	35.14	100	150	P	V
	*	5720	101.88	-	-	89.69	34.6	12.73	35.14	100	150	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2+3	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 144 5720MHz		11440	47.13	-26.87	74	46.57	39.19	18.84	57.47	100	0	P	H
		17160	50.89	-23.11	74	40.83	42.53	23.33	55.8	100	0	P	H
		11440	48.04	-25.96	74	47.48	39.19	18.84	57.47	100	0	P	V
		17160	50.41	-23.59	74	40.35	42.53	23.33	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2+3	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 144 5720MHz	*	5720	111.63	-	-	99.44	34.6	12.73	35.14	200	112	P	H
	*	5720	103.62	-	-	91.43	34.6	12.73	35.14	200	112	A	H
	*	5720	110.24	-	-	98.05	34.6	12.73	35.14	200	122	P	V
	*	5720	101.6	-	-	89.41	34.6	12.73	35.14	200	122	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2+3	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		11440	46.17	-27.83	74	45.61	39.19	18.84	57.47	100	0	P	H
VHT20		17160	50.63	-17.57	68.2	40.57	42.53	23.33	55.8	100	0	P	H
CH 144		11440	44.96	-29.04	74	44.4	39.19	18.84	57.47	100	0	P	V
5720MHz		17160	49.89	-18.31	68.2	39.83	42.53	23.33	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2+3	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	*	5710	111.23	-	-	99.04	34.6	12.73	35.14	200	114	P	H
VHT40	*	5710	103.38	-	-	91.19	34.6	12.73	35.14	200	114	A	H
CH 142	*	5710	109.85	-	-	97.66	34.6	12.73	35.14	200	121	P	V
5710MHz	*	5710	101.71	-	-	89.52	34.6	12.73	35.14	200	121	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2+3	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		10420	46.49	-21.71	68.2	48.76	39.13	17.87	59.27	100	0	P	H
VHT40		17130	49.78	-18.42	68.2	39.68	42.59	23.31	55.8	100	0	P	H
CH 142		10420	46.63	-21.57	68.2	48.9	39.13	17.87	59.27	100	0	P	V
5710MHz		17130	49.65	-18.55	68.2	39.55	42.59	23.31	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2+3	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	*	5690	107.81	-	-	95.68	34.6	12.67	35.14	200	116	P	H
VHT80	*	5690	99.83	-	-	87.7	34.6	12.67	35.14	200	116	A	H
CH 138	*	5690	106.56	-	-	94.43	34.6	12.67	35.14	200	121	P	V
5690MHz	*	5690	98.34	-	-	86.21	34.6	12.67	35.14	200	121	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2+3	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		11380	45.31	-28.69	74	45.03	39.11	18.77	57.6	100	0	P	H
VHT80		17070	50.72	-17.48	68.2	40.55	42.69	23.28	55.8	100	0	P	H
CH 138		11380	45.68	-28.32	74	45.4	39.11	18.77	57.6	100	0	P	V
5690MHz		17070	50.29	-17.91	68.2	40.12	42.69	23.28	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 LF		30.54	27.78	-12.22	40	31.97	25.46	1.71	31.36	-	-	P	H
		199.83	32.63	-10.87	43.5	45.36	16	2.72	31.45	-	-	P	H
		259.5	24.11	-21.89	46	32.44	20	3.03	31.36	-	-	P	H
		374.9	27.1	-18.9	46	32.89	21.81	3.57	31.17	-	-	P	H
		876.8	33.4	-12.6	46	29.81	28.86	5.27	30.54	-	-	P	H
		925.1	37.01	-8.99	46	32.59	29.61	5.33	30.52	100	214	P	H
		59.16	31.85	-8.15	40	49.43	12.31	1.71	31.6	100	284	P	V
		199.83	30.77	-12.73	43.5	43.5	16	2.72	31.45	-	-	P	V
		224.94	24.59	-21.41	46	36.17	16.8	3.03	31.41	-	-	P	V
		374.9	28.63	-17.37	46	34.42	21.81	3.57	31.17	-	-	P	V
		876.8	33.76	-12.24	46	30.17	28.86	5.27	30.54	-	-	P	V
		955.2	34.63	-11.37	46	29.53	30.21	5.4	30.51	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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)
		5146.88	55.97	-18.03	74	45.37	33.69	11.99	35.08	380	174	P	H
		5120.02	43.37	-10.63	54	32.9	33.6	11.95	35.08	380	174	A	H
	*	5260	108.94	-	-	97.87	33.99	12.16	35.08	380	174	P	H
	*	5260	102.47	-	-	91.4	33.99	12.16	35.08	380	174	A	H
802.11ac		5399.04	54.39	-19.61	74	42.49	34.34	12.65	35.09	380	174	P	H
VHT20		5376	45.97	-8.03	54	34.28	34.25	12.53	35.09	380	174	A	H
CH 52		5128.18	51	-23	74	40.48	33.65	11.95	35.08	300	92	P	V
5260MHz		5136.34	47.85	-6.15	54	37.33	33.65	11.95	35.08	300	92	A	V
	*	5260	112.41	-	-	101.34	33.99	12.16	35.08	300	92	P	V
	*	5260	106.33	-	-	95.26	33.99	12.16	35.08	300	92	A	V
		5350.08	66.47	-7.53	74	54.81	34.21	12.53	35.08	300	92	P	V
		5350.08	49.62	-4.38	54	37.96	34.21	12.53	35.08	300	92	A	V
		5068	51.86	-22.14	74	41.56	33.47	11.9	35.07	380	182	P	H
		5119.68	43.01	-10.99	54	32.54	33.6	11.95	35.08	380	182	A	H
	*	5300	109.68	-	-	98.4	34.08	12.28	35.08	380	182	P	H
	*	5300	101.67	-	-	90.39	34.08	12.28	35.08	380	182	A	H
802.11ac		5353.2	63.21	-10.79	74	51.55	34.21	12.53	35.08	380	182	P	H
VHT20		5351.04	47.62	-6.38	54	35.96	34.21	12.53	35.08	380	182	A	H
CH 60		5131.92	61.86	-12.14	74	51.34	33.65	11.95	35.08	300	85	P	V
5300MHz		5146.88	45.87	-8.13	54	35.27	33.69	11.99	35.08	300	85	A	V
	*	5300	113.03	-	-	101.75	34.08	12.28	35.08	300	85	P	V
	*	5300	104.67	-	-	93.39	34.08	12.28	35.08	300	85	A	V
		5381.28	64.35	-9.65	74	52.49	34.3	12.65	35.09	300	85	P	V
		5375.52	50.32	-3.68	54	38.63	34.25	12.53	35.09	300	85	A	V

802.11ac VHT20 CH 64 5320MHz	*	5320	108.98	-	-	97.53	34.12	12.41	35.08	380	183	P	H
	*	5320	101.8	-	-	90.35	34.12	12.41	35.08	380	183	A	H
		5383.52	61.22	-12.78	74	49.36	34.3	12.65	35.09	380	183	P	H
		5350.72	49.22	-4.78	54	37.56	34.21	12.53	35.08	380	183	A	H
	*	5320	112.07	-	-	100.62	34.12	12.41	35.08	300	94	P	V
	*	5320	103.66	-	-	92.21	34.12	12.41	35.08	300	94	A	V
		5361.44	69.31	-4.69	74	57.61	34.25	12.53	35.08	300	94	P	V
		5367.68	52.64	-1.36	54	40.94	34.25	12.53	35.08	300	94	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		10520	45.81	-28.19	74	47.83	39.18	17.98	59.18	100	0	P	H
VHT20		15780	50.13	-23.87	74	42.85	41.55	22.41	56.68	100	0	P	H
CH 52		10520	46.91	-27.09	74	48.93	39.18	17.98	59.18	100	0	P	V
5260MHz		15780	50.23	-23.77	74	42.95	41.55	22.41	56.68	100	0	P	V
802.11ac		10600	45.79	-28.21	74	47.75	39.06	18.06	59.08	100	0	P	H
VHT20		15900	50.47	-23.53	74	42.73	41.79	22.53	56.58	100	0	P	H
CH 60		10600	45.55	-28.45	74	47.51	39.06	18.06	59.08	100	0	P	V
5300MHz		15900	50.6	-23.4	74	42.86	41.79	22.53	56.58	100	0	P	V
802.11ac		10640	44.97	-29.03	74	46.9	39.01	18.09	59.03	100	0	P	H
VHT20		15960	50.07	-23.93	74	42.06	41.93	22.61	56.53	100	0	P	H
CH 64		10640	45.67	-28.33	74	47.6	39.01	18.09	59.03	100	0	P	V
5320MHz		15960	50.3	-23.7	74	42.29	41.93	22.61	56.53	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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 VHT40 CH 54 5270MHz		5126.82	49.63	-24.37	74	39.11	33.65	11.95	35.08	380	172	P	H
		5144.84	42.78	-11.22	54	32.18	33.69	11.99	35.08	380	172	A	H
	*	5270	105.46	-	-	94.27	33.99	12.28	35.08	380	172	P	H
	*	5270	102.94	-	-	91.75	33.99	12.28	35.08	380	172	A	H
		5423.28	54.61	-19.39	74	42.69	34.38	12.63	35.09	380	172	P	H
		5375.76	45.19	-8.81	54	33.5	34.25	12.53	35.09	380	172	A	H
		5128.18	62.6	-11.4	74	52.08	33.65	11.95	35.08	300	94	P	V
		5141.78	47.51	-6.49	54	36.91	33.69	11.99	35.08	300	94	A	V
	*	5270	112.78	-	-	101.59	33.99	12.28	35.08	300	94	P	V
	*	5270	105.45	-	-	94.26	33.99	12.28	35.08	300	94	A	V
		5377.2	66.49	-7.51	74	54.8	34.25	12.53	35.09	300	94	P	V
		5376.24	51.33	-2.67	54	39.64	34.25	12.53	35.09	300	94	A	V
802.11ac VHT40 CH 62 5310MHz		5138.04	54.64	-19.36	74	44.12	33.65	11.95	35.08	380	182	P	H
		5120.02	43.22	-10.78	54	32.75	33.6	11.95	35.08	380	182	A	H
	*	5310	108.79	-	-	97.34	34.12	12.41	35.08	380	182	P	H
	*	5310	100.99	-	-	89.54	34.12	12.41	35.08	380	182	A	H
		5350.08	62.33	-11.67	74	50.67	34.21	12.53	35.08	380	182	P	H
		5350.32	51.06	-2.94	54	39.4	34.21	12.53	35.08	380	182	A	H
		5102.68	56.58	-17.42	74	46.14	33.56	11.95	35.07	300	81	P	V
		5120.02	44.95	-9.05	54	34.48	33.6	11.95	35.08	300	81	A	V
	*	5310	112.01	-	-	100.56	34.12	12.41	35.08	300	81	P	V
	*	5310	105.36	-	-	93.91	34.12	12.41	35.08	300	81	A	V
		5392.56	63.16	-10.84	74	51.3	34.3	12.65	35.09	300	81	P	V
		5350.08	52.94	-1.06	54	41.28	34.21	12.53	35.08	300	81	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		10540	45.22	-28.78	74	47.25	39.15	17.98	59.16	100	0	P	H
VHT40		15810	50.28	-23.72	74	42.86	41.62	22.45	56.65	100	0	P	H
CH 54		10540	45.68	-28.32	74	47.71	39.15	17.98	59.16	100	0	P	V
5270MHz		15810	50.46	-23.54	74	43.04	41.62	22.45	56.65	100	0	P	V
802.11ac		10620	45.59	-28.41	74	47.56	39.03	18.06	59.06	100	0	P	H
VHT40		15930	50.08	-23.92	74	42.21	41.86	22.57	56.56	100	0	P	H
CH 62		10620	45.03	-28.97	74	47	39.03	18.06	59.06	100	0	P	V
5310MHz		15930	50.16	-23.84	74	42.29	41.86	22.57	56.56	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5139.3	50.74	-23.26	74	40.22	33.65	11.95	35.08	345	265	P	H
		5148.75	44	-10	54	33.4	33.69	11.99	35.08	345	265	A	H
	*	5290	97.49	-	-	86.25	34.04	12.28	35.08	345	265	P	H
	*	5290	94.29	-	-	83.05	34.04	12.28	35.08	345	265	A	H
		5366.88	59.28	-14.72	74	47.58	34.25	12.53	35.08	345	265	P	H
		5378.64	49.7	-4.3	54	37.96	34.3	12.53	35.09	345	265	A	H
		5123.2	51.85	-22.15	74	41.33	33.65	11.95	35.08	232	270	P	V
		5148.05	44.33	-9.67	54	33.73	33.69	11.99	35.08	232	270	A	V
	*	5290	100.76	-	-	89.52	34.04	12.28	35.08	232	270	P	V
	*	5290	93.69	-	-	82.45	34.04	12.28	35.08	232	270	A	V
		5409.6	61.47	-12.53	74	49.57	34.34	12.65	35.09	232	270	P	V
		5367.84	53.35	-0.65	54	41.65	34.25	12.53	35.08	232	270	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		10580	46.06	-27.94	74	48.06	39.08	18.02	59.1	100	0	P	H
VHT80		15870	49.06	-24.94	74	41.37	41.76	22.53	56.6	100	0	P	H
CH 58		10580	46	-28	74	48	39.08	18.02	59.1	100	0	P	V
5290MHz		15870	49.98	-24.02	74	42.29	41.76	22.53	56.6	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m) for CCD Mode

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5464.56	55.91	-18.09	74	43.88	34.51	12.61	35.09	179	113	P	H
		5468.56	48.35	-5.65	54	36.32	34.51	12.61	35.09	179	113	A	H
	*	5500	114.36	-	-	102.24	34.6	12.61	35.09	179	113	P	H
	*	5500	107.16	-	-	95.04	34.6	12.61	35.09	179	113	A	H
		5465.84	52.76	-21.24	74	40.73	34.51	12.61	35.09	304	146	P	V
		5466.96	45.54	-8.46	54	33.51	34.51	12.61	35.09	304	146	A	V
	*	5500	112.1	-	-	99.98	34.6	12.61	35.09	304	146	P	V
	*	5500	104.57	-	-	92.45	34.6	12.61	35.09	304	146	A	V
802.11a CH 116 5580MHz		5448.4	51.45	-22.55	74	39.44	34.47	12.63	35.09	177	113	P	H
		5375.92	48.31	-5.69	54	36.62	34.25	12.53	35.09	177	113	A	H
	*	5580	114.01	-	-	101.94	34.6	12.58	35.11	177	113	P	H
	*	5580	106.31	-	-	94.24	34.6	12.58	35.11	177	113	A	H
		5749.88	51.24	-22.76	74	39	34.6	12.79	35.15	177	113	P	H
		5759.96	45.98	-8.02	54	33.75	34.6	12.79	35.16	177	113	A	H
		5457.52	51.28	-22.72	74	39.27	34.47	12.63	35.09	266	160	P	V
		5375.92	46.01	-7.99	54	34.32	34.25	12.53	35.09	266	160	A	V
	*	5580	110.56	-	-	98.49	34.6	12.58	35.11	266	160	P	V
	*	5580	102.95	-	-	90.88	34.6	12.58	35.11	266	160	A	V
		5740.43	50.3	-23.7	74	38.06	34.6	12.79	35.15	266	160	P	V
		5759.96	43.38	-10.62	54	31.15	34.6	12.79	35.16	266	160	A	V

802.11a CH 140 5700MHz	*	5700	112.13	-	-	100	34.6	12.67	35.14	176	113	P	H
	*	5700	104.49	-	-	92.36	34.6	12.67	35.14	176	113	A	H
		5727.96	59.45	-14.55	74	47.26	34.6	12.73	35.14	176	113	P	H
		5727.4	48.34	-5.66	54	36.15	34.6	12.73	35.14	176	113	A	H
	*	5700	109.15	-	-	97.02	34.6	12.67	35.14	100	148	P	V
	*	5700	101.63	-	-	89.5	34.6	12.67	35.14	100	148	A	V
		5728.44	53.56	-20.44	74	41.37	34.6	12.73	35.14	100	148	P	V
		5759.88	46.53	-7.47	54	34.3	34.6	12.79	35.16	100	148	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 100 5500MHz		11000	46.39	-27.61	74	48.06	38.5	18.43	58.6	100	0	P	H
		16500	50.88	-23.12	74	41.05	43	22.93	56.1	100	0	P	H
		11000	45.79	-28.21	74	47.46	38.5	18.43	58.6	100	0	P	V
		16500	50.08	-23.92	74	40.25	43	22.93	56.1	100	0	P	V
802.11a CH 116 5580MHz		11160	46	-28	74	46.82	38.77	18.58	58.17	100	0	P	H
		16740	50.44	-23.56	74	40.43	42.9	23.07	55.96	100	0	P	H
		11160	47.42	-26.58	74	48.24	38.77	18.58	58.17	100	0	P	V
		16740	50.84	-23.16	74	40.83	42.9	23.07	55.96	100	0	P	V
802.11a CH 140 5700MHz		11400	47.17	-26.83	74	46.79	39.14	18.8	57.56	100	0	P	H
		17100	50.69	-23.31	74	40.57	42.64	23.28	55.8	100	0	P	H
		11400	46.37	-27.63	74	45.99	39.14	18.8	57.56	100	0	P	V
		17100	50.58	-23.42	74	40.46	42.64	23.28	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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)
		5465.68	62.19	-11.81	74	50.16	34.51	12.61	35.09	380	170	P	H
		5466.8	48.15	-5.85	54	36.12	34.51	12.61	35.09	380	170	A	H
802.11ac	*	5500	110.46	-	-	98.34	34.6	12.61	35.09	380	170	P	H
VHT20	*	5500	102.88	-	-	90.76	34.6	12.61	35.09	380	170	A	H
CH 100		5456.08	69.48	-4.52	74	57.47	34.47	12.63	35.09	300	91	P	V
5500MHz		5469.04	53.26	-0.74	54	41.23	34.51	12.61	35.09	300	91	A	V
	*	5500	114.56	-	-	102.44	34.6	12.61	35.09	300	91	P	V
	*	5500	106.38	-	-	94.26	34.6	12.61	35.09	300	91	A	V
		5453.92	58.93	-15.07	74	46.92	34.47	12.63	35.09	380	180	P	H
		5469.52	45.61	-8.39	54	33.58	34.51	12.61	35.09	380	180	A	H
	*	5580	109.97	-	-	97.9	34.6	12.58	35.11	380	180	P	H
	*	5580	102.21	-	-	90.14	34.6	12.58	35.11	380	180	A	H
802.11ac		5730.665	58.93	-15.07	74	46.75	34.6	12.73	35.15	380	180	P	H
VHT20		5735.705	45.19	-8.81	54	33.01	34.6	12.73	35.15	380	180	A	H
CH 116		5458.48	65.77	-8.23	74	53.76	34.47	12.63	35.09	300	92	P	V
5580MHz		5467.84	49.37	-4.63	54	37.34	34.51	12.61	35.09	300	92	A	V
	*	5580	113.43	-	-	101.36	34.6	12.58	35.11	300	92	P	V
	*	5580	103.73	-	-	91.66	34.6	12.58	35.11	300	92	A	V
		5742.005	59.84	-14.16	74	47.6	34.6	12.79	35.15	300	92	P	V
		5759.96	48.9	-5.1	54	36.67	34.6	12.79	35.16	300	92	A	V

802.11ac VHT20 CH 140 5700MHz	*	5700	109.3	-	-	97.17	34.6	12.67	35.14	380	187	P	H
	*	5700	101.75	-	-	89.62	34.6	12.67	35.14	380	187	A	H
		5747.88	61.51	-12.49	74	49.27	34.6	12.79	35.15	380	187	P	H
		5725.32	49.13	-4.87	54	36.94	34.6	12.73	35.14	380	187	A	H
	*	5700	113.19	-	-	101.06	34.6	12.67	35.14	300	88	P	V
	*	5700	104.55	-	-	92.42	34.6	12.67	35.14	300	88	A	V
		5743.32	59.03	-14.97	74	46.79	34.6	12.79	35.15	300	88	P	V
		5725.16	50.17	-3.83	54	37.98	34.6	12.73	35.14	300	88	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11000	44.91	-29.09	74	46.58	38.5	18.43	58.6	100	0	P	H
VHT20		16500	50.21	-23.79	74	40.38	43	22.93	56.1	100	0	P	H
CH 100		11000	45.74	-28.26	74	47.41	38.5	18.43	58.6	100	0	P	V
5500MHz		16500	50.87	-23.13	74	41.04	43	22.93	56.1	100	0	P	V
802.11ac		11160	46.04	-27.96	74	46.86	38.77	18.58	58.17	100	0	P	H
VHT20		16740	50.25	-23.75	74	40.24	42.9	23.07	55.96	100	0	P	H
CH 116		11160	45.54	-28.46	74	46.36	38.77	18.58	58.17	100	0	P	V
5580MHz		16740	50.13	-23.87	74	40.12	42.9	23.07	55.96	100	0	P	V
802.11ac		11400	45.4	-28.6	74	45.02	39.14	18.8	57.56	100	0	P	H
VHT20		17100	50.74	-23.26	74	40.62	42.64	23.28	55.8	100	0	P	H
CH 140		11400	45.63	-28.37	74	45.25	39.14	18.8	57.56	100	0	P	V
5700MHz		17100	50.5	-23.5	74	40.38	42.64	23.28	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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)
		5433.76	59.33	-14.67	74	47.36	34.43	12.63	35.09	380	170	P	H
		5470	47.94	-6.06	54	35.91	34.51	12.61	35.09	380	170	A	H
	*	5510	108.78	-	-	96.69	34.6	12.59	35.1	380	170	P	H
	*	5510	104.22	-	-	92.13	34.6	12.59	35.1	380	170	A	H
802.11ac		5742.005	51.4	-22.6	74	39.16	34.6	12.79	35.15	380	170	P	H
VHT40		5759.96	43.56	-10.44	54	31.33	34.6	12.79	35.16	380	170	A	H
CH 102		5452	68.98	-5.02	74	56.97	34.47	12.63	35.09	300	92	P	V
5510MHz		5468.08	53.69	-0.31	54	41.66	34.51	12.61	35.09	300	92	A	V
	*	5510	111.59	-	-	99.5	34.6	12.59	35.1	300	92	P	V
	*	5510	106.44	-	-	94.35	34.6	12.59	35.1	300	92	A	V
		5744.525	50.94	-23.06	74	38.7	34.6	12.79	35.15	300	92	P	V
		5759.96	46.5	-7.5	54	34.27	34.6	12.79	35.16	300	92	A	V
		5411.44	56.92	-17.08	74	45.02	34.34	12.65	35.09	380	172	P	H
		5469.76	46.63	-7.37	54	34.6	34.51	12.61	35.09	380	172	A	H
	*	5550	107.85	-	-	95.77	34.6	12.58	35.1	380	172	P	H
	*	5550	103.83	-	-	91.75	34.6	12.58	35.1	380	172	A	H
802.11ac		5731.295	52.39	-21.61	74	40.21	34.6	12.73	35.15	380	172	P	H
VHT40		5759.96	43.66	-10.34	54	31.43	34.6	12.79	35.16	380	172	A	H
CH 110		5462.8	68.36	-5.64	74	56.33	34.51	12.61	35.09	300	92	P	V
5550MHz		5464.72	51.66	-2.34	54	39.63	34.51	12.61	35.09	300	92	A	V
	*	5550	110.64	-	-	98.56	34.6	12.58	35.1	300	92	P	V
	*	5550	105.71	-	-	93.63	34.6	12.58	35.1	300	92	A	V
		5745.47	52.5	-21.5	74	40.26	34.6	12.79	35.15	300	92	P	V
		5759.96	47.28	-6.72	54	35.05	34.6	12.79	35.16	300	92	A	V

		5466.2	49.47	-24.53	74	37.44	34.51	12.61	35.09	380	180	P	H
		5375.9	42.65	-11.35	54	30.96	34.25	12.53	35.09	380	180	A	H
	*	5670	108.74	-	-	96.6	34.6	12.67	35.13	380	180	P	H
	*	5670	98.59	-	-	86.45	34.6	12.67	35.13	380	180	A	H
802.11ac		5734.025	60.55	-13.45	74	48.37	34.6	12.73	35.15	380	180	P	H
VHT40		5727.375	47.37	-6.63	54	35.18	34.6	12.73	35.14	380	180	A	H
CH 134		5399.35	50.88	-23.12	74	38.98	34.34	12.65	35.09	300	81	P	V
5670MHz		5375.9	45.29	-8.71	54	33.6	34.25	12.53	35.09	300	81	A	V
	*	5670	111.91	-	-	99.77	34.6	12.67	35.13	300	81	P	V
	*	5670	105.7	-	-	93.56	34.6	12.67	35.13	300	81	A	V
		5727.375	63.96	-10.04	74	51.77	34.6	12.73	35.14	300	81	P	V
		5733.325	49.32	-4.68	54	37.14	34.6	12.73	35.15	300	81	A	V

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11020	45.18	-28.82	74	46.78	38.53	18.43	58.56	100	0	P	H
VHT40		16530	50.05	-23.95	74	40.18	42.99	22.96	56.08	100	0	P	H
CH 102		11020	45.9	-28.1	74	47.5	38.53	18.43	58.56	100	0	P	V
5510MHz		16530	50.64	-23.36	74	40.77	42.99	22.96	56.08	100	0	P	V
802.11ac		11100	44.92	-29.08	74	46.1	38.66	18.5	58.34	100	0	P	H
VHT40		16650	50.73	-23.27	74	40.77	42.94	23.03	56.01	100	0	P	H
CH 110		11100	44.85	-29.15	74	46.03	38.66	18.5	58.34	100	0	P	V
5550MHz		16650	50.88	-23.12	74	40.92	42.94	23.03	56.01	100	0	P	V
802.11ac		11340	46.21	-27.79	74	46.18	39.03	18.73	57.73	100	0	P	H
VHT40		17010	50.69	-23.31	74	40.48	42.77	23.24	55.8	100	0	P	H
CH 134		11340	46.93	-27.07	74	46.9	39.03	18.73	57.73	100	0	P	V
5670MHz		17010	50.36	-23.64	74	40.15	42.77	23.24	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5436.16	58.39	-15.61	74	46.42	34.43	12.63	35.09	337	257	P	H
		5467.36	48.99	-5.01	54	36.96	34.51	12.61	35.09	337	257	A	H
	*	5530	99.86	-	-	87.77	34.6	12.59	35.1	337	257	P	H
	*	5530	89.91	-	-	77.82	34.6	12.59	35.1	337	257	A	H
		5759.645	51.23	-22.77	74	39	34.6	12.79	35.16	337	257	P	H
		5759.96	45.15	-8.85	54	32.92	34.6	12.79	35.16	337	257	A	H
		5466.88	61.77	-12.23	74	49.74	34.51	12.61	35.09	244	270	P	V
		5440.72	52.6	-1.4	54	40.63	34.43	12.63	35.09	244	270	A	V
	*	5530	101.99	-	-	89.9	34.6	12.59	35.1	244	270	P	V
	*	5530	96.94	-	-	84.85	34.6	12.59	35.1	244	270	A	V
		5742.005	52.41	-21.59	74	40.17	34.6	12.79	35.15	244	270	P	V
		5759.96	45.97	-8.03	54	33.74	34.6	12.79	35.16	244	270	A	V
802.11ac VHT80 CH 122 5610MHz		5466.16	51.59	-22.41	74	39.56	34.51	12.61	35.09	380	172	P	H
		5462.8	46.57	-7.43	54	34.54	34.51	12.61	35.09	380	172	A	H
	*	5610	103.28	-	-	91.24	34.6	12.56	35.12	380	172	P	H
	*	5610	97.33	-	-	85.29	34.6	12.56	35.12	380	172	A	H
		5741.55	60.07	-13.93	74	47.83	34.6	12.79	35.15	380	172	P	H
		5736.125	49.3	-4.7	54	37.12	34.6	12.73	35.15	380	172	A	H
		5466.16	60.95	-13.05	74	48.92	34.51	12.61	35.09	300	91	P	V
		5457.76	51.12	-2.88	54	39.11	34.47	12.63	35.09	300	91	A	V
	*	5610	106.03	-	-	93.99	34.6	12.56	35.12	300	91	P	V
	*	5610	100.2	-	-	88.16	34.6	12.56	35.12	300	91	A	V
		5742.25	59.96	-14.04	74	47.72	34.6	12.79	35.15	300	91	P	V
		5727.375	51.39	-2.61	54	39.2	34.6	12.73	35.14	300	91	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11060	45.29	-28.71	74	46.64	38.61	18.47	58.43	100	0	P	H
VHT80		16590	49.27	-24.73	74	39.35	42.97	23	56.05	100	0	P	H
CH 106		11060	45.67	-28.33	74	47.02	38.61	18.47	58.43	100	0	P	V
5530MHz		16590	48.6	-25.4	74	38.68	42.97	23	56.05	100	0	P	V
802.11ac		11220	45.45	-28.55	74	46.02	38.85	18.62	58.04	100	0	P	H
VHT80		16830	50.74	-23.26	74	40.63	42.87	23.14	55.9	100	0	P	H
CH 122		11220	46.9	-27.1	74	47.47	38.85	18.62	58.04	100	0	P	V
5610MHz		16830	50.22	-23.78	74	40.11	42.87	23.14	55.9	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m) for CCD Mode

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5720	109.84	-	-	97.65	34.6	12.73	35.14	189	112	P	H
	*	5720	102.46	-	-	90.27	34.6	12.73	35.14	189	112	A	H
	*	5720	109.56	-	-	97.37	34.6	12.73	35.14	100	150	P	V
	*	5720	101.88	-	-	89.69	34.6	12.73	35.14	100	150	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m) for CCD Mode

WIFI Ant. 1+2+3	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 144 5720MHz		11440	47.13	-26.87	74	46.57	39.19	18.84	57.47	100	0	P	H
		17160	50.89	-23.11	74	40.83	42.53	23.33	55.8	100	0	P	H
		11440	48.04	-25.96	74	47.48	39.19	18.84	57.47	100	0	P	V
		17160	50.41	-23.59	74	40.35	42.53	23.33	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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	*	5720	108.97	-	-	96.78	34.6	12.73	35.14	380	260	P	H
VHT20	*	5720	99.17	-	-	86.98	34.6	12.73	35.14	380	260	A	H
CH 144	*	5720	110.65	-	-	98.46	34.6	12.73	35.14	300	260	P	V
5720MHz	*	5720	100.97	-	-	88.78	34.6	12.73	35.14	300	260	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11440	46.78	-27.22	74	46.22	39.19	18.84	57.47	100	0	P	H
VHT20		17160	49.98	-24.02	74	39.92	42.53	23.33	55.8	100	0	P	H
CH 144		11440	47.32	-26.68	74	46.76	39.19	18.84	57.47	100	0	P	V
5720MHz		17160	49.93	-24.07	74	39.87	42.53	23.33	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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	*	5710	110.58	-	-	98.39	34.6	12.73	35.14	365	261	P	H
VHT40	*	5710	102.73	-	-	90.54	34.6	12.73	35.14	365	261	A	H
CH 142	*	5710	109.6	-	-	97.41	34.6	12.73	35.14	236	207	P	V
5710MHz	*	5710	101.47	-	-	89.28	34.6	12.73	35.14	236	207	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11420	46.2	-27.8	74	45.75	39.17	18.8	57.52	100	0	P	H
VHT40		17130	49.41	-24.59	74	39.31	42.59	23.31	55.8	100	0	P	H
CH 142		11420	46.26	-27.74	74	45.81	39.17	18.8	57.52	100	0	P	V
5710MHz		17130	49.49	-24.51	74	39.39	42.59	23.31	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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	*	5690	104.76	-	-	92.63	34.6	12.67	35.14	368	261	P	H
VHT80	*	5690	97.77	-	-	85.64	34.6	12.67	35.14	368	261	A	H
CH 138	*	5690	105.2	-	-	93.07	34.6	12.67	35.14	226	263	P	V
5690MHz	*	5690	98.07	-	-	85.94	34.6	12.67	35.14	226	263	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m) for Beamforming Mode

WIFI Ant. 1+2+3	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		11380	47.48	-26.52	74	47.2	39.11	18.77	57.6	100	0	P	H
VHT80		17070	50.1	-23.9	74	39.93	42.69	23.28	55.8	100	0	P	H
CH 138		11380	46.47	-27.53	74	46.19	39.11	18.77	57.6	100	0	P	V
5690MHz		17070	50.62	-23.38	74	40.45	42.69	23.28	55.8	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT 40 (LF @ 3m) for Beamforming Mode

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+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a VHT 40 LF		30	27.84	-12.16	40	31.48	26	1.71	31.35	-	-	P	H
		200.1	33.38	-10.12	43.5	46.11	16	2.72	31.45	100	191	P	H
		250.05	22.91	-23.09	46	32.26	19	3.03	31.38	-	-	P	H
		374.9	28.84	-17.16	46	34.63	21.81	3.57	31.17	-	-	P	H
		860	32.91	-13.09	46	29.5	28.76	5.2	30.55	-	-	P	H
		939.1	34.32	-11.68	46	29.57	29.94	5.33	30.52	-	-	P	H
		59.43	33.13	-6.87	40	50.71	12.31	1.71	31.6	100	274	P	V
		200.1	31.53	-11.97	43.5	44.26	16	2.72	31.45	-	-	P	V
		250.05	25.37	-20.63	46	34.72	19	3.03	31.38	-	-	P	V
		374.9	30.77	-15.23	46	36.56	21.81	3.57	31.17	-	-	P	V
		859.3	32.9	-13.1	46	29.49	28.76	5.2	30.55	-	-	P	V
		939.1	34.26	-11.74	46	29.51	29.94	5.33	30.52	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2+3		(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

Note symbol

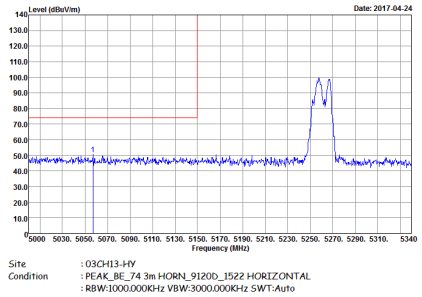
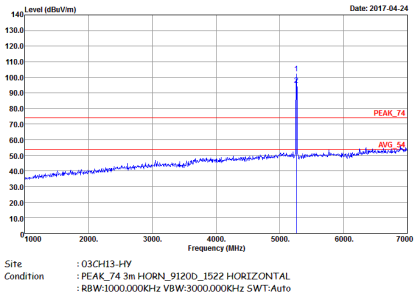
-L	**Low channel location**
-R	**High channel location**

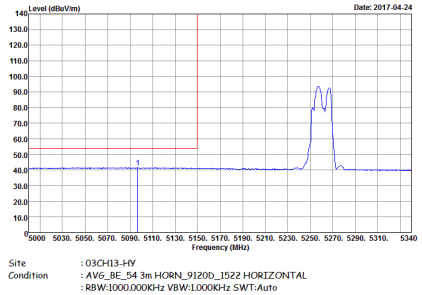
For Sample 1

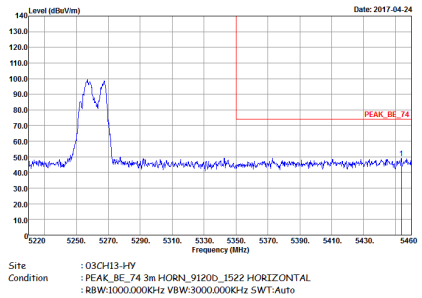
for CDD Mode

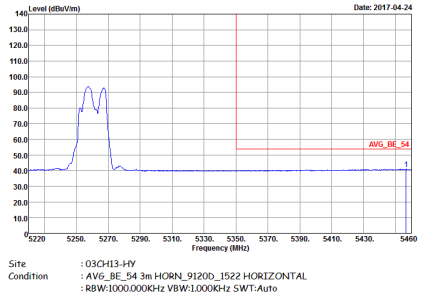
Band 2 - 5250~5350MHz

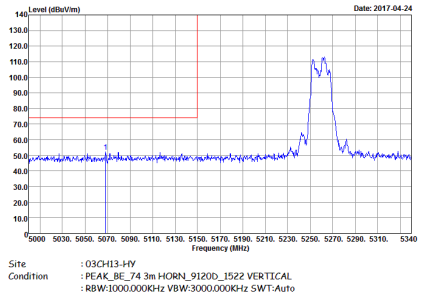
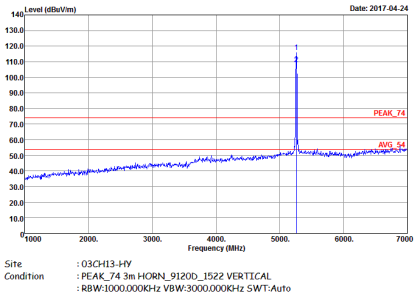
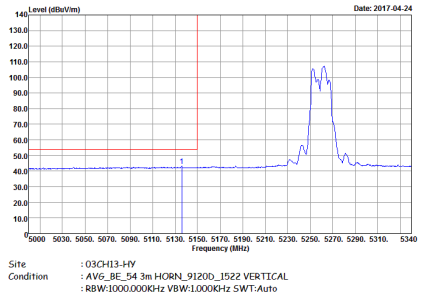
WIFI 802.11a (Band Edge @ 3m)

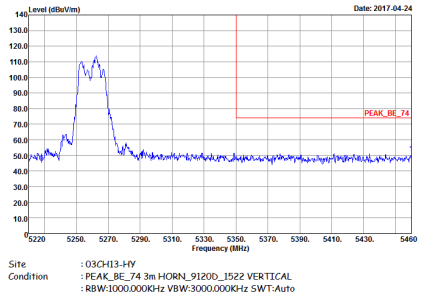
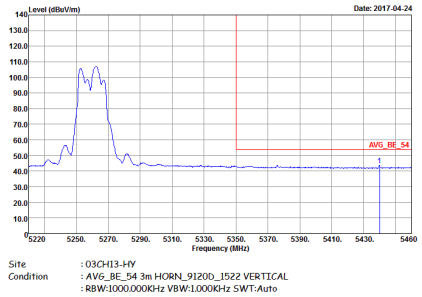
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2+3	Horizontal	Fundamental
Peak		

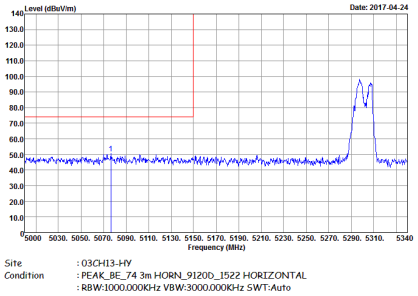
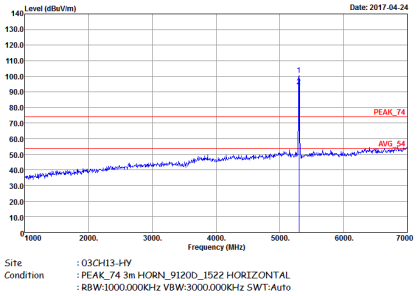
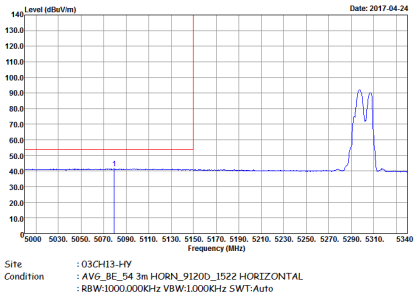
Avg.		Left blank

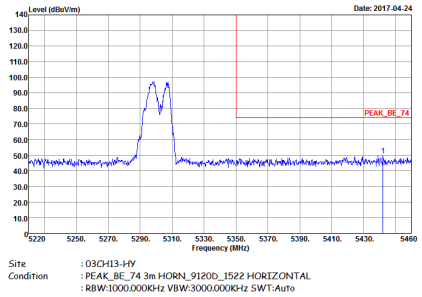
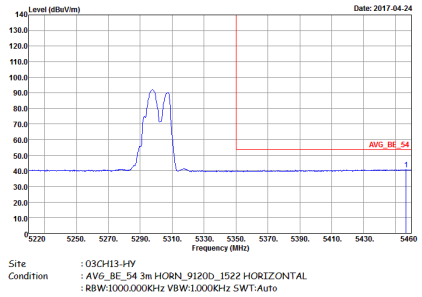
WIFI	**Band 2 5250~5350MHz Band Edge @ 3m**	
ANT	**802.11a CH52 5260MHz - R**	
1+2+3	**Horizontal**	**Fundamental**
Peak		Left blank

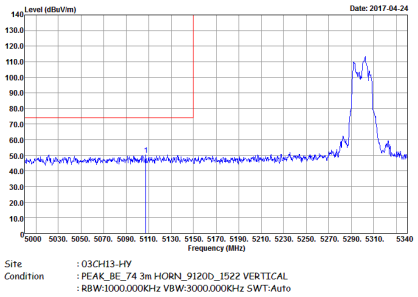
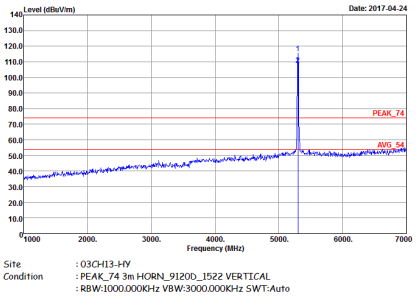
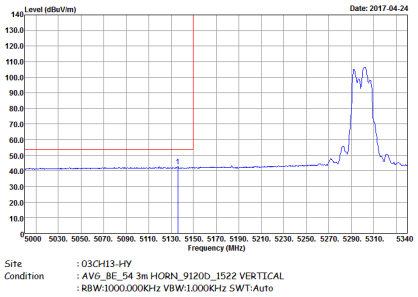
Avg.		Left blank

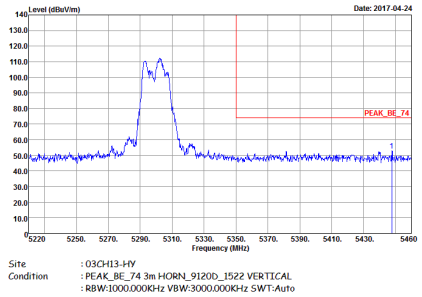
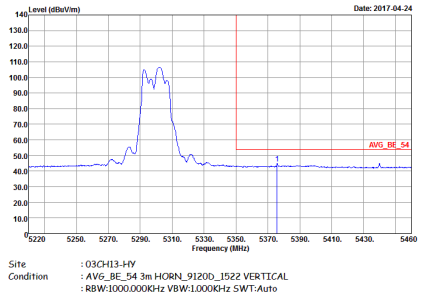
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

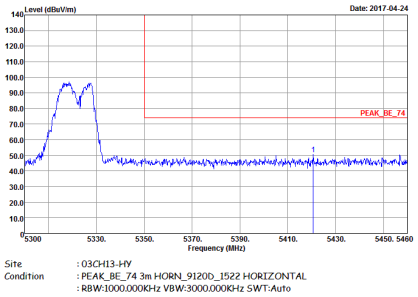
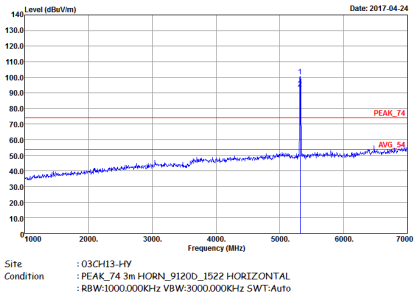
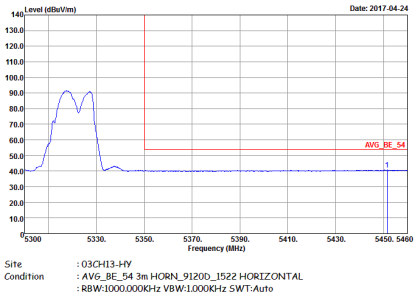
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

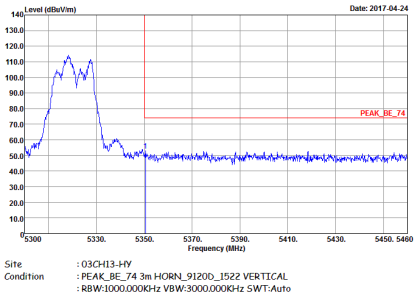
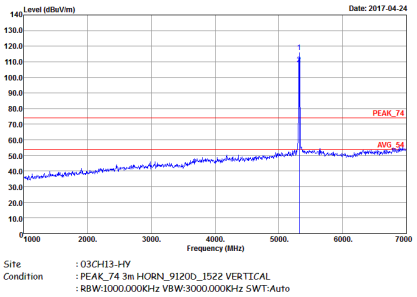
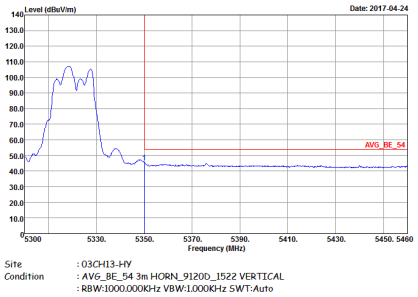
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

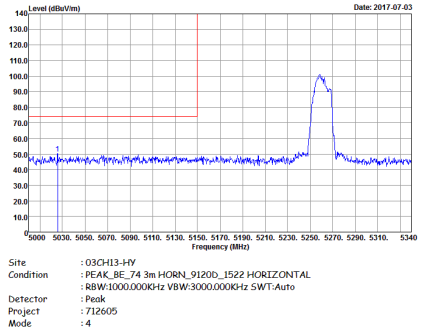
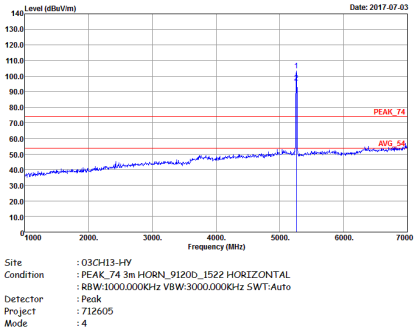
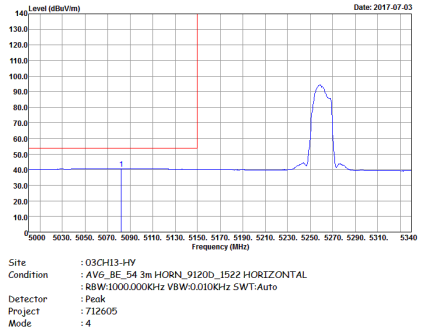
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

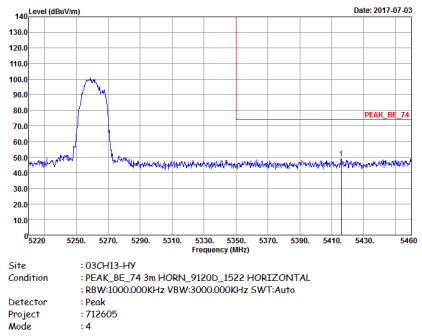
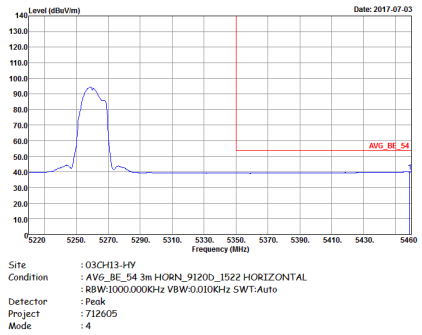
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

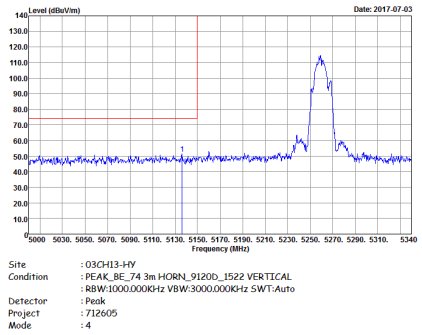
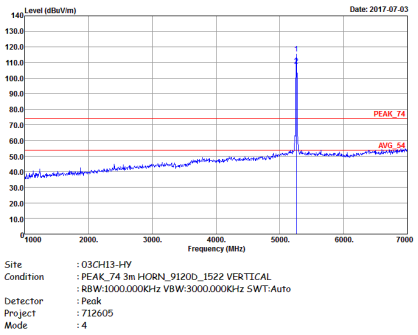
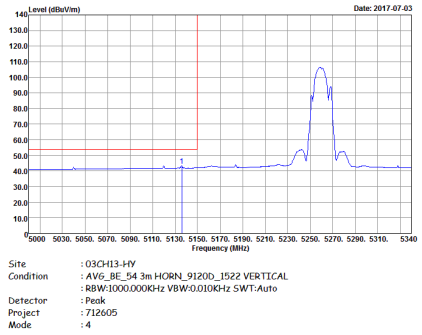
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

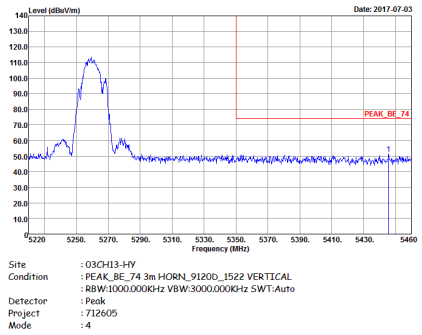
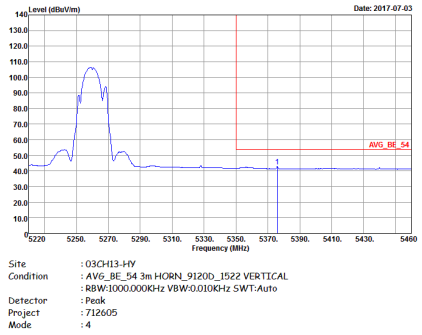
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

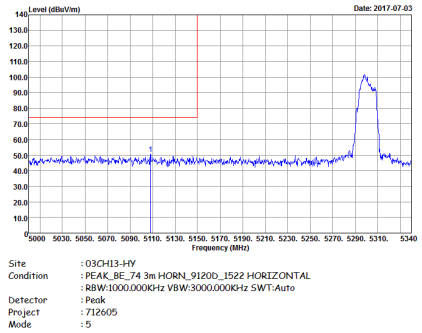
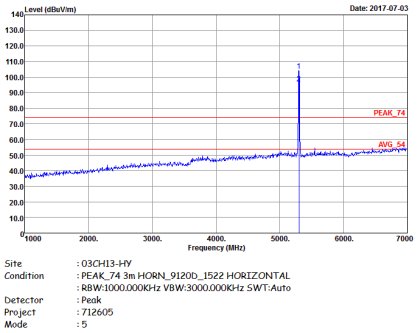
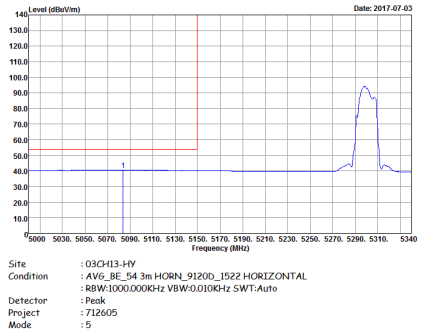
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

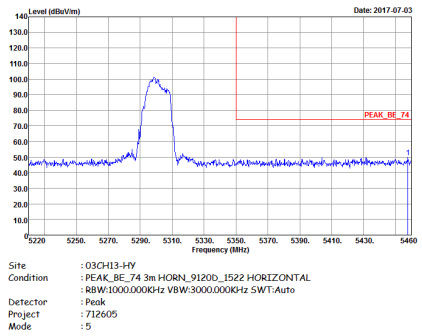
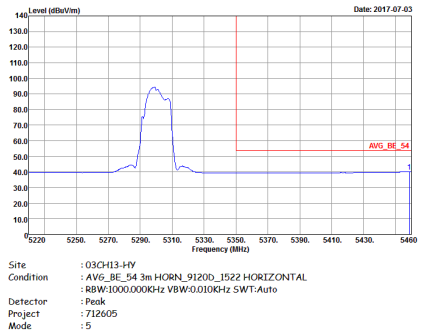
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

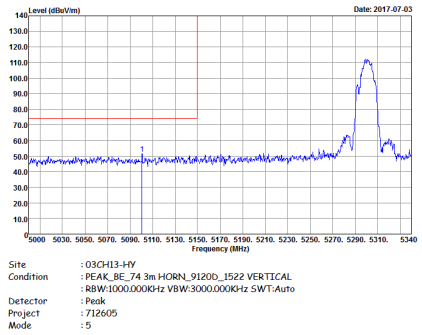
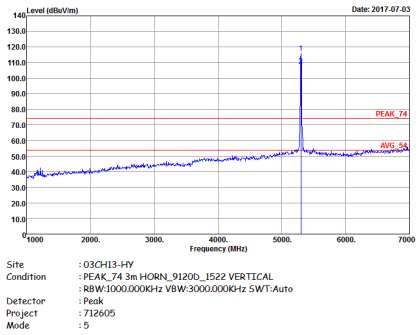
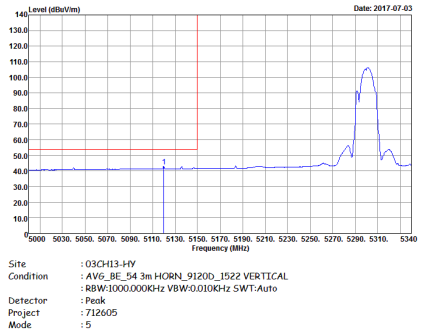
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

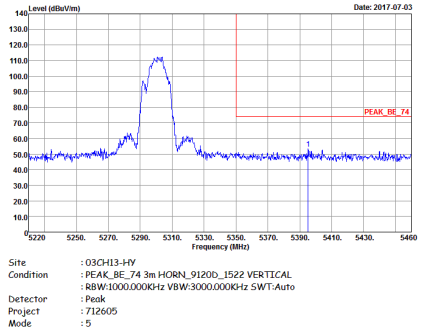
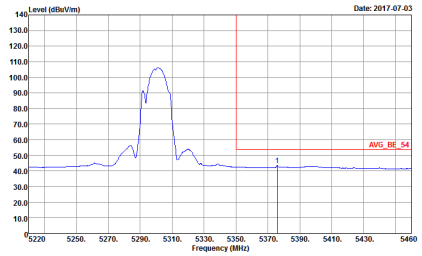
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

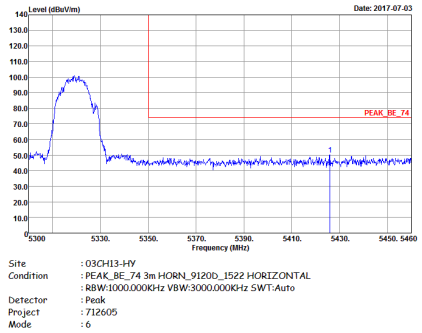
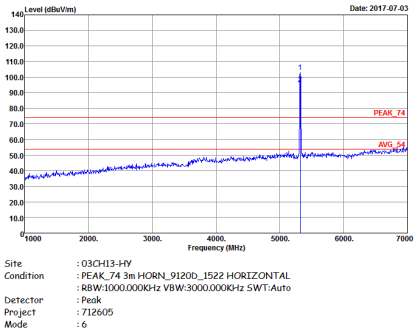
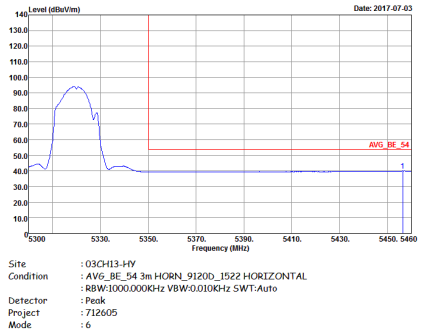
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

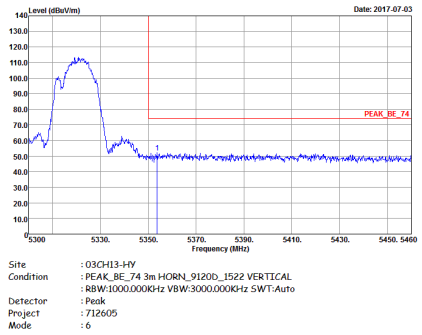
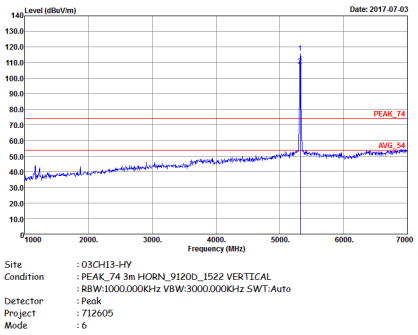
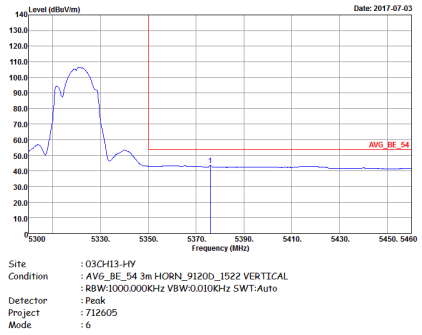
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1+2+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

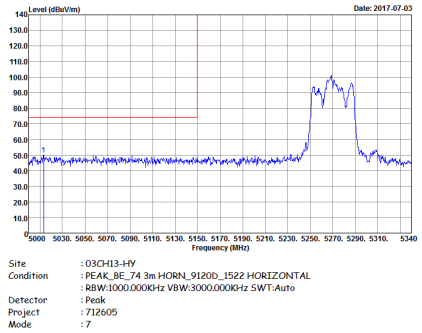
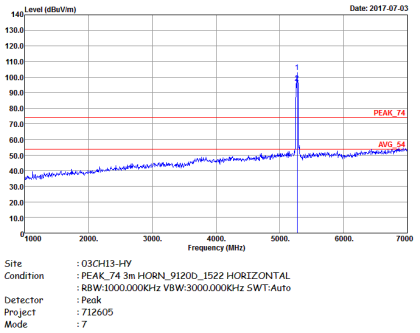
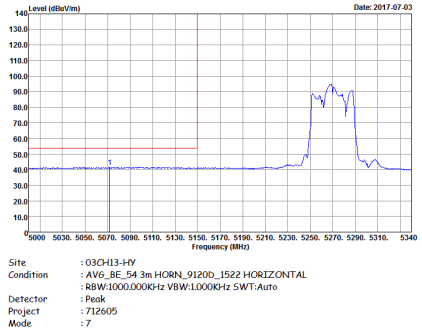
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 712605 Mode : 5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 712605 Mode : 5	Left blank

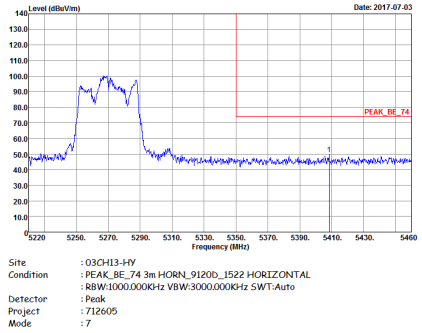
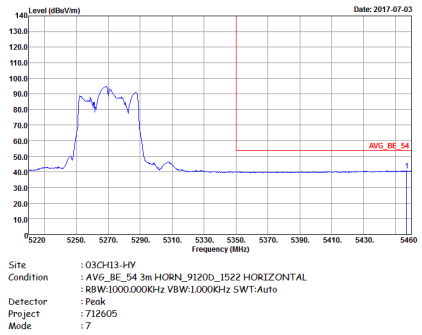
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 712605 Mode : 6	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 712605 Mode : 6
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 712605 Mode : 6	Left blank

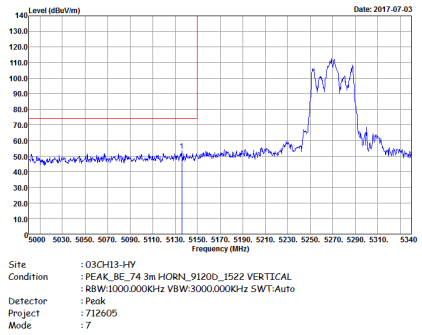
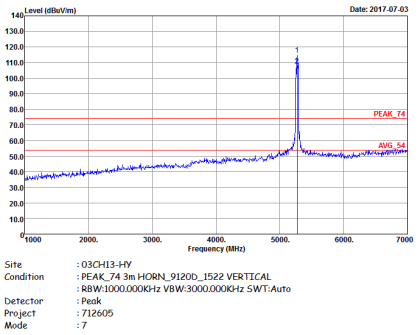
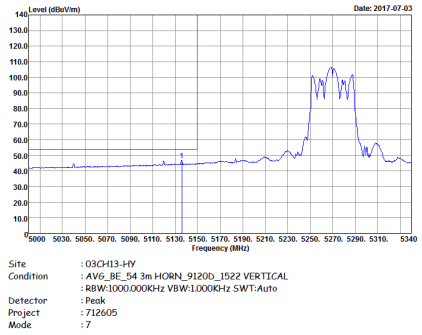
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

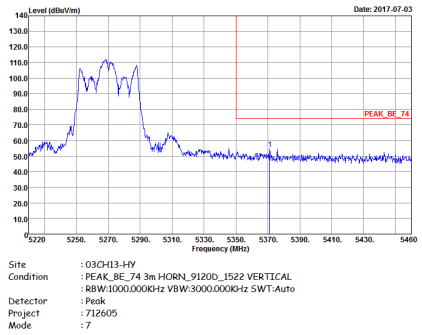
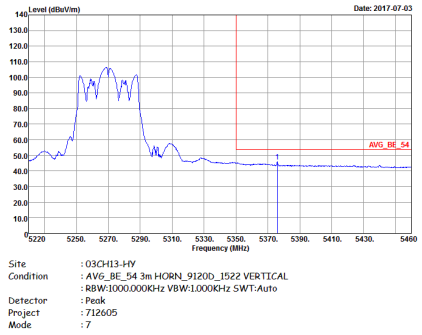
Band 2 5250~5350MHz

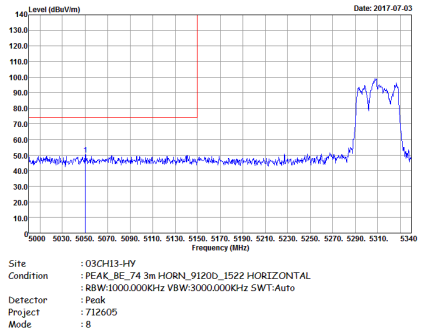
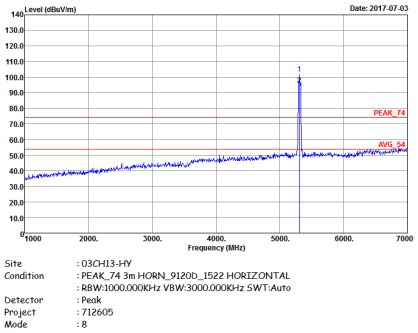
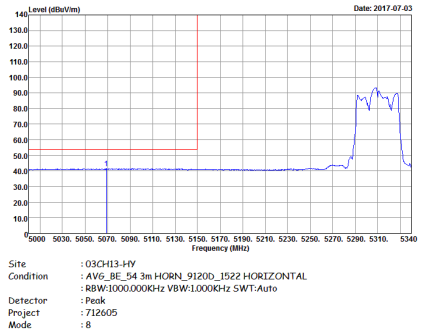
WIFI 802.11ac VHT40 (Band Edge @ 3m)

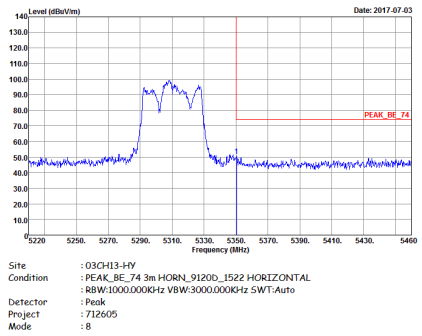
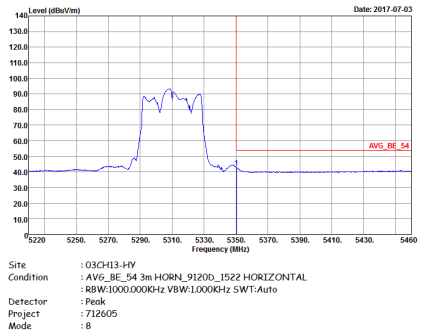
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - R	
1+2+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - R	
1+2+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - R	
1+2+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank