FCC RADIO TEST REPORT

FCC ID	:	**UZ7MC3300U**
Equipment	:	**Mobile Computer**
Brand Name	:	**Zebra**
Model Name	:	**MC3300U**
Applicant	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Manufacturer	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Aug. 12, 2019 and testing was started from Aug. 23, 2019 and completed on Nov. 04, 2019. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Louis Wu

Approved by: Louis Wu

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History of this test report

Report No.	Version	Description	Issued Date
FR981238F	01	Initial issue of report	Dec. 09, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 1.12 dB at 5148.580 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 15.96 dB at 0.308 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

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

Reviewed by: Wii Chang
Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Computer
Brand Name	Zebra
Model Name	MC3300U
FCC ID	UZ7MC3300U
EUT supports Radios application	NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	DV
SW Version	RFID Manager Application Version: 2.0.10.1 123 RFID Mobile Application Version: 1.0.0.11 Terminal Version: 02-11-14.00-PG-U07-PRD
FW Version	Module Version: PAAEES00-001-N20 Radio Version: 2.0.32.0 Terminal Version: FUSION_QA_2_1.2.0.006_P
MFD	27JUL19
EUT Stage	Identical Prototype

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

Specification of Accessories				
AC Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
USB Cable	**Brand Name**	Zebra	**Part Number**	CBL-MC33-USBCHG-01
MC32 2X battery (Inventus)	**Brand Name**	Symbol	**Part Number**	82-000012-02
MC33 2X battery (Inventus)	**Brand Name**	Zebra	**Part Number**	BT-000337-01
MC33 7000mA 2X (Inventus)	**Brand Name**	Zebra	**Part Number**	BT-000375-10
GUN Holster	**Brand Name**	Zebra	**Part Number**	SG-MC3021212-01R

<Sample Information>

	SKU1	SKU2	SKU3
Part Number	MC333U-GJ2EG4US	MC339U-GE2EG4US	MC339U-GF2EG4US
RFID Antenna	Middle range	Long range	Long range
Scanner	SE4770	SE4850	SE4750MR
Keypad	29	29	29
Region	US	US	US

	SKU7	SKU8	SKU9
Part Number	MC333U-GJ3EG4US	MC339U-GE3EG4US	MC339U-GF3EG4US
RFID Antenna	Middle range	Long range	Long range
Scanner	SE4770	SE4850	SE4750MR
Keypad	38	38	38
Region	US	US	US

	SKU13	SKU14	SKU15
Part Number	MC333U-GJ4EG4US	MC339U-GE4EG4US	MC339U-GF4EG4US
RFID Antenna	Middle range	Long range	Long range
Scanner	SE4770	SE4850	SE4750MR
Keypad	47	47	47
Region	US	US	US

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Modes>	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>** 802.11a : 15.90 dBm / 0.0389 W 802.11n HT20 : 15.80 dBm / 0.0380 W 802.11n HT40 : 15.80 dBm / 0.0380 W 802.11ac VHT20: 15.90 dBm / 0.0389 W 802.11ac VHT40: 15.90 dBm / 0.0389 W 802.11ac VHT80: 15.50 dBm / 0.0355 W **<Ant. 2>** 802.11a : 15.90 dBm / 0.0389 W 802.11n HT20 : 15.80 dBm / 0.0380 W 802.11n HT40 : 15.80 dBm / 0.0380 W 802.11ac VHT20: 15.90 dBm / 0.0389 W 802.11ac VHT40: 15.90 dBm / 0.0389 W 802.11ac VHT80: 15.60 dBm / 0.0363 W **MIMO <Ant. 1 + 2>** 802.11a : 18.76 dBm / 0.0752 W 802.11n HT20 : 18.81 dBm / 0.0760 W 802.11n HT40 : 18.86 dBm / 0.0769 W 802.11ac VHT20: 18.91 dBm / 0.0778 W 802.11ac VHT40: 18.96 dBm / 0.0787 W 802.11ac VHT80: 15.87 dBm / 0.0386 W **<5260 MHz ~ 5320 MHz>** **<Ant. 1>** 802.11a : 15.90 dBm / 0.0389 W 802.11n HT20 : 15.80 dBm / 0.0380 W 802.11n HT40 : 15.80 dBm / 0.0380 W 802.11ac VHT20: 15.90 dBm / 0.0389 W 802.11ac VHT40: 15.90 dBm / 0.0389 W 802.11ac VHT80: 15.60 dBm / 0.0363 W **<Ant. 2>** 802.11a : 15.90 dBm / 0.0389 W 802.11n HT20 : 15.70 dBm / 0.0372 W 802.11n HT40 : 15.80 dBm / 0.0380 W 802.11ac VHT20: 15.80 dBm / 0.0380 W 802.11ac VHT40: 15.90 dBm / 0.0389 W 802.11ac VHT80: 15.70 dBm / 0.0372 W **MIMO <Ant. 1 + 2>** 802.11a : 18.91 dBm / 0.0778 W 802.11n HT20 : 18.81 dBm / 0.0760 W 802.11n HT40 : 18.81 dBm / 0.0760 W 802.11ac VHT20: 18.91 dBm / 0.0778 W 802.11ac VHT40: 18.91 dBm / 0.0778 W 802.11ac VHT80: 14.81 dBm / 0.0303 W

Standards-related Product Specification	
Maximum Output Power to Antenna <CDD Modes>	**<5500 MHz ~ 5700 MHz>** **<Ant. 1>** 802.11a : 16.40 dBm / 0.0437 W 802.11n HT20 : 16.30 dBm / 0.0427 W 802.11n HT40 : 16.30 dBm / 0.0427 W 802.11ac VHT20: 16.40 dBm / 0.0437 W 802.11ac VHT40: 16.40 dBm / 0.0437 W 802.11ac VHT80: 16.40 dBm / 0.0437 W **<Ant. 2>** 802.11a : 16.40 dBm / 0.0437 W 802.11n HT20 : 16.30 dBm / 0.0427 W 802.11n HT40 : 16.40 dBm / 0.0437 W 802.11ac VHT20: 16.40 dBm / 0.0437 W 802.11ac VHT40: 16.50 dBm / 0.0447 W 802.11ac VHT80: 16.50 dBm / 0.0447 W **MIMO <Ant. 1 + 2>** 802.11a : 19.26 dBm / 0.0843 W 802.11n HT20 : 19.36 dBm / 0.0863 W 802.11n HT40 : 19.36 dBm / 0.0863 W 802.11ac VHT20: 19.46 dBm / 0.0883 W 802.11ac VHT40: 19.46 dBm / 0.0883 W 802.11ac VHT80: 19.41 dBm / 0.0873 W
Maximum Output Power to Antenna <TXBF Modes>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 18.02 dBm / 0.0634 W 802.11ac VHT40: 18.11 dBm / 0.0647 W 802.11ac VHT80: 18.38 dBm / 0.0689 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 18.18 dBm / 0.0658 W 802.11ac VHT40: 18.22 dBm / 0.0664 W 802.11ac VHT80: 18.30 dBm / 0.0676 W **<5500 MHz ~ 5700 MHz>** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 18.52 dBm / 0.0711 W 802.11ac VHT40: 18.71 dBm / 0.0743 W 802.11ac VHT80: 19.07 dBm / 0.0807 W

Standards-related Product Specification	
99% Occupied Bandwidth <CDD Modes>	**<Ant. 1>** 802.11a : 16.73 MHz 802.11ac VHT20 : 17.93 MHz 802.11ac VHT40 : 36.56 MHz 802.11ac VHT80 : 76.24 MHz **<Ant. 2>** 802.11a : 16.73 MHz 802.11ac VHT20 : 17.93 MHz 802.11ac VHT40 : 36.66 MHz 802.11ac VHT80 : 76.24 MHz **MIMO <Ant. 1>** 802.11a : 16.83 MHz 802.11ac VHT20 : 17.98 MHz 802.11ac VHT40 : 36.56 MHz 802.11ac VHT80 : 76.24 MHz **MIMO <Ant. 2>** 802.11a : 16.78 MHz 802.11ac VHT20 : 17.83 MHz 802.11ac VHT40 : 36.56 MHz 802.11ac VHT80 : 76.12 MHz
99% Occupied Bandwidth <TXBF Modes>	**MIMO <Ant. 1>** 802.11ac VHT20 : 17.78 MHz 802.11ac VHT40 : 36.86 MHz 802.11ac VHT80 : 77.32 MHz **MIMO <Ant. 2>** 802.11ac VHT20 : 19.03 MHz 802.11ac VHT40 : 36.66 MHz 802.11ac VHT80 : 76.72 MHz

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 1 : Patch Antenna with gain 4.46 dBi
Ant. 2 : Patch Antenna with gain 3.25 dBi
<5260 MHz ~ 5320 MHz>
Ant. 1 : Patch Antenna with gain 4.95 dBi
Ant. 2 : Patch Antenna with gain 4.68 dBi
<5500 MHz ~ 5700 MHz >
Ant. 1 : Patch Antenna with gain 5.12 dBi
Ant. 2 : Patch Antenna with gain 5.13 dBi</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><td></td><td>Ant. 1</td><td>Ant. 2</td></tr>
<tr><td>802.11 a/n/ac</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 ac TXBF</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

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

1.3 Modification of EUT

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

1.4 Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	TH02-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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.**
	03CH11-HY

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

FCC designation No.: TW1190 and TW0007

1.5 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (SKU 1: Z plane for Ant. 1, Ant. 2, CDD and TXBF Mode; SKU 2: Z plane for CDD Mode; SKU 3: Z plane for CDD Mode) were recorded in this report.

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

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 modes are considering the modulation and worse data rates as below table.

Single Mode

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

MIMO Mode

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

TXBF Mode

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

Test Cases	
AC Conducted Emission	Mode 1 :WLAN (5GHz) Link + Bluetooth Link + Keypad (29) + MPEG4 + Battery (Sentry 2X) + USB Cable + Adapter (PWR-WUA5V12W0US) for SKU 1
Remark: For Radiated Test Cases, the tests were performed with MC32 2X battery (Inventus).	

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	122
H	High	-	-	-
Straddle		-	-	138

<CDD Mode>
<Ant. 1>

802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		95.73		94.30	92.60	89.60	87.00	82.00	77.70	75.90
CH 036	5180	**15.90**	CH 036	15.80	15.80	15.70	15.50	15.70	15.70	15.70
CH 044	5220	15.80								
CH 048	5240	15.80								
CH 052	5260	**15.90**	CH 052	15.80	15.80	15.70	15.50	15.80	15.80	15.80
CH 060	5300	15.80								
CH 064	5320	15.80								
CH 100	5500	16.30	CH 116	16.20	16.20	16.00	16.00	16.20	16.20	16.20
CH 116	5580	**16.40**								
CH 140	5700	16.10								
CH 144	5720	16.10								

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11n HT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		95.07		92.10	89.00	86.20	81.30	77.20	75.70	74.00
CH 036	5180	**15.80**	CH 036	15.60	15.40	15.40	15.60	15.60	15.60	15.60
CH 044	5220	15.60								
CH 048	5240	15.60								
CH 052	5260	**15.80**	CH 052	15.60	15.40	15.40	15.70	15.70	15.70	15.70
CH 060	5300	15.60								
CH 064	5320	15.60								
CH 100	5500	16.00	CH 140	16.20	16.20	16.20	15.90	15.90	16.00	16.00
CH 116	5580	16.10								
CH 140	5700	**16.30**								
CH 144	5720	16.20								

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11n HT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		91.15		85.80	80.80	76.80	70.30	65.80	63.90	61.80
CH 038	5190	**15.80**	CH 038	15.70	15.70	15.70	15.70	15.70	15.70	15.60
CH 046	5230	15.70								
CH 054	5270	**15.80**	CH 054	15.70	15.70	15.70	15.70	15.70	15.70	15.70
CH 062	5310	15.70								
CH 102	5510	16.20	CH 110	16.20	16.20	16.20	16.20	16.20	16.20	16.20
CH 110	5550	**16.30**								
CH 134	5670	16.10								
CH 142	5710	16.10								

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)		95.54		92.10	89.00	86.40	81.50	77.60	75.80	74.40	71.50
CH 036	5180	**15.90**	CH 036	15.70	15.50	15.50	15.70	15.70	15.70	15.70	15.70
CH 044	5220	15.70									
CH 048	5240	15.70									
CH 052	5260	**15.90**	CH 052	15.70	15.50	15.50	15.80	15.80	15.80	15.80	15.80
CH 060	5300	15.70									
CH 064	5320	15.70									
CH 100	5500	16.10	CH 140	16.30	16.30	16.30	16.00	16.00	16.10	16.10	16.10
CH 116	5580	16.20									
CH 140	5700	**16.40**									
CH 144	5720	16.30									

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		91.51		85.90	81.00	77.00	70.60	66.20	64.40	62.50	59.50	58.60
CH 038	5190	**15.90**	CH 038	15.80	15.80	15.80	15.80	15.80	15.80	15.70	15.80	15.80
CH 046	5230	15.80										
CH 054	5270	**15.90**	CH 054	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80
CH 062	5310	15.80										
CH 102	5510	16.30	CH 110	16.30	16.30	16.30	16.30	16.30	16.30	16.30	16.30	16.30
CH 110	5550	**16.40**										
CH 134	5670	16.20										
CH 142	5710	16.20										

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		85.29		76.00	69.80	65.30	58.70	55.00	52.90	51.80	49.30	48.00
CH 042	5210	**15.50**	CH 042	15.20	15.20	15.20	15.20	15.20	15.20	15.20	15.20	15.20
CH 058	5290	**15.60**	CH 058	15.30	15.30	15.30	15.30	15.30	15.30	15.30	15.30	15.30
CH 106	5530	16.30	CH 138	16.10	16.20	16.20	16.10	16.10	16.10	16.10	16.10	16.10
CH 122	5610	16.30										
CH 138	5690	**16.40**										

Note: The above Frequency and Channel in "*" were straddle Channel.

<Ant. 2>

802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		95.82		94.30	92.60	89.70	87.00	82.20	77.70	76.00
CH 036	5180	**15.90**	CH 036	15.80	15.80	15.80	15.60	15.80	15.80	15.80
CH 044	5220	15.80								
CH 048	5240	15.80								
CH 052	5260	**15.90**	CH 052	15.80	15.80	15.80	15.60	15.80	15.80	15.80
CH 060	5300	15.80								
CH 064	5320	15.80								
CH 100	5500	**16.40**	CH 116	16.30	16.20	16.10	16.00	16.30	16.30	16.30
CH 116	5580	**16.40**								
CH 140	5700	16.10								
CH 144	5720	16.20								

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11n HT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		95.15		92.10	89.00	86.30	81.50	77.30	75.70	74.20
CH 036	5180	**15.80**	CH 036	15.70	15.60	15.60	15.70	15.70	15.70	15.70
CH 044	5220	15.60								
CH 048	5240	15.60								
CH 052	5260	**15.70**	CH 052	15.60	15.60	15.60	15.40	15.40	15.50	15.40
CH 060	5300	15.60								
CH 064	5320	15.60								
CH 100	5500	16.20	CH 116	16.10	16.00	16.00	16.20	16.20	16.20	16.20
CH 116	5580	**16.30**								
CH 140	5700	**16.30**								
CH 144	5720	**16.30**								

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11n HT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		91.47		85.80	80.80	76.80	70.30	65.80	63.90	61.80
CH 038	5190	**15.80**	CH 038	15.70	15.70	15.70	15.70	15.70	15.70	15.70
CH 046	5230	15.70								
CH 054	5270	**15.80**	CH 054	15.70	15.70	15.70	15.70	15.70	15.70	15.70
CH 062	5310	15.70								
CH 102	5510	**16.40**	CH 102	16.30	16.30	16.30	16.30	16.30	16.30	16.30
CH 110	5550	16.30								
CH 134	5670	16.30								
CH 142	5710	16.10								

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)		95.85		92.20	89.10	86.40	81.50	77.70	75.90	74.40	71.60
CH 036	5180	**15.90**	CH 036	15.80	15.70	15.70	15.80	15.80	15.80	15.80	15.80
CH 044	5220	15.70									
CH 048	5240	15.70									
CH 052	5260	**15.80**	CH 052	15.70	15.70	15.70	15.50	15.50	15.60	15.50	15.50
CH 060	5300	15.70									
CH 064	5320	15.70									
CH 100	5500	16.30	CH 116	16.20	16.10	16.10	16.30	16.30	16.30	16.30	16.30
CH 116	5580	**16.40**									
CH 140	5700	**16.40**									
CH 144	5720	**16.40**									

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		91.19		85.90	81.00	77.00	70.60	66.20	64.40	62.50	59.50	58.60
CH 038	5190	**15.90**	CH 038	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80
CH 046	5230	15.80										
CH 054	5270	**15.90**	CH 054	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80
CH 062	5310	15.80										
CH 102	5510	**16.50**	CH 102	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40
CH 110	5550	16.40										
CH 134	5670	16.40										
CH 142	5710	16.20										

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		85.61		76.00	69.80	65.30	58.70	55.00	52.90	51.80	49.30	48.00
CH 042	5210	**15.60**	CH 042	15.20	15.30	15.30	15.30	15.20	15.30	15.30	15.30	15.30
CH 058	5290	**15.70**	CH 058	15.40	15.40	15.40	15.40	15.40	15.40	15.40	15.40	15.40
CH 106	5530	16.40	CH 122	16.20	16.20	16.20	16.20	16.20	16.20	16.20	16.20	16.20
CH 122	5610	**16.50**										
CH 138	5690	16.40										

Note: The above Frequency and Channel in "*" were straddle Channel.

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802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M	
Duty Cycle (%)											
CH 036	5180	**18.76**	CH 036	18.71	18.71	18.56	18.36	18.57	18.56	18.61	
CH 044	5220	18.61									
CH 048	5240	18.56									
CH 052	5260	18.66	CH 060	18.51	18.51	18.51	18.71	18.61	18.56	18.66	
CH 060	5300	**18.91**									
CH 064	5320	18.86									
CH 100	5500	19.11	CH 140	19.21	19.21	19.21	19.01	18.86	18.86	18.86	
CH 116	5580	19.11									
CH 140	5700	**19.26**									
CH 144	5720	**19.26**									

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11n HT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
Duty Cycle (%)											
CH 036	5180	18.56	CH 044	18.71	18.71	18.61	18.76	18.76	18.51	18.41	
CH 044	5220	**18.81**									
CH 048	5240	18.76									
CH 052	5260	**18.81**	CH 052	18.76	18.76	18.71	18.51	18.51	18.61	18.51	
CH 060	5300	18.71									
CH 064	5320	18.66									
CH 100	5500	19.31	CH 116	19.16	19.06	19.01	19.31	19.31	19.31	19.31	
CH 116	5580	**19.36**									
CH 140	5700	19.31									
CH 144	5720	19.31									

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11n HT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)											
CH 038	5190	**18.86**	CH 038	18.76	18.76	18.76	18.76	18.76	18.76	18.76
CH 046	5230	18.81								
CH 054	5270	**18.81**	CH 054	18.71	18.71	18.71	18.71	18.71	18.71	18.71
CH 062	5310	18.71								
CH 102	5510	**19.36**	CH 102	19.26	19.26	19.26	19.26	19.26	19.26	19.26
CH 110	5550	19.11								
CH 134	5670	19.11								
CH 142	5710	19.21								

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)											
CH 036	5180	18.66	CH 044	18.81	18.81	18.71	18.86	18.86	18.61	18.51	18.51
CH 044	5220	**18.91**									
CH 048	5240	18.86									
CH 052	5260	**18.91**	CH 052	18.86	18.86	18.81	18.61	18.61	18.71	18.61	18.61
CH 060	5300	18.81									
CH 064	5320	18.76									
CH 100	5500	19.41	CH 116	19.26	19.16	19.11	19.41	19.41	19.41	19.41	19.41
CH 116	5580	**19.46**									
CH 140	5700	19.41									
CH 144	5720	19.41									

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT40 RF Output Power (dBm)													
Power vs. Channel			Power vs Data Rate										
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index									
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)													
CH 038	5190	**18.96**	CH 038	18.86	18.86	18.86	18.86	18.86	18.86	18.86	18.86	18.86
CH 046	5230	18.91										
CH 054	5270	**18.91**	CH 054	18.81	18.81	18.81	18.81	18.81	18.81	18.81	18.81	18.81
CH 062	5310	18.81										
CH 102	5510	**19.46**	CH 102	19.36	19.36	19.36	19.36	19.36	19.36	19.36	19.36	19.36
CH 110	5550	19.21										
CH 134	5670	19.21										
CH 142	5710	19.31										

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT80 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)												
CH 042	5210	**15.87**	CH 042	15.51	15.51	15.56	15.61	15.56	15.56	15.56	15.56	15.61
CH 058	5290	**14.81**	CH 058	14.71	14.71	14.71	14.71	14.71	14.71	14.71	14.71	14.71
CH 106	5530	**19.41**	CH 106	19.21	19.11	19.16	19.16	19.16	19.16	19.16	19.16	19.16
CH 122	5610	19.36										
CH 138	5690	19.16										

Note: The above Frequency and Channel in "*" were straddle Channel.

<TXBF Mode>

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802.11ac VHT20 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)												
CH 036	5180	17.82	CH 048	17.92	17.90	17.86	17.90	17.80	17.82	17.72	17.72
CH 044	5220	18.00									
CH 048	5240	**18.02**									
CH 052	5260	18.02	CH 064	18.08	18.16	18.13	18.12	18.05	18.02	17.95	18.05
CH 060	5300	17.99									
CH 064	5320	**18.18**									
CH 100	5500	**18.52**	CH 100	18.42	18.50	18.46	18.37	18.27	18.27	18.32	18.27
CH 116	5580	18.46									
CH 140	5700	18.40									
CH 144	5720	18.40									

Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)												
CH 038	5190	17.98	CH 046	18.01	17.97	18.04	17.95	18.02	17.87	18.02	18.08	18.09
CH 046	5230	**18.11**										
CH 054	5270	**18.22**	CH 054	18.12	18.05	18.19	18.07	18.10	18.00	17.93	18.10	18.07
CH 062	5310	18.11										
CH 102	5510	**18.71**	CH 102	18.61	18.42	18.48	18.65	18.64	18.64	18.67	18.42	18.42
CH 110	5550	18.55										
CH 134	5670	18.52										
CH 142	5710	18.68										

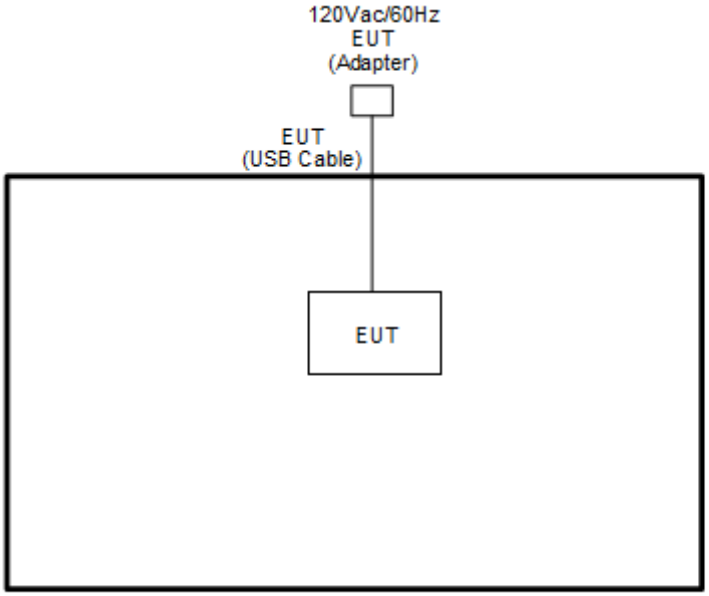
Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT80 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)												
CH 042	5210	**18.38**	CH 042	18.28	18.11	18.21	18.06	17.94	18.06	18.04	18.00	17.92
CH 058	5290	**18.30**	CH 058	18.20	18.11	18.11	18.14	18.04	18.00	18.04	18.14	18.04
CH 106	5530	18.88	CH 138	19.01	18.78	18.78	18.73	18.78	18.83	18.78	18.78	18.77
CH 122	5610	18.87										
CH 138	5690	**19.07**										

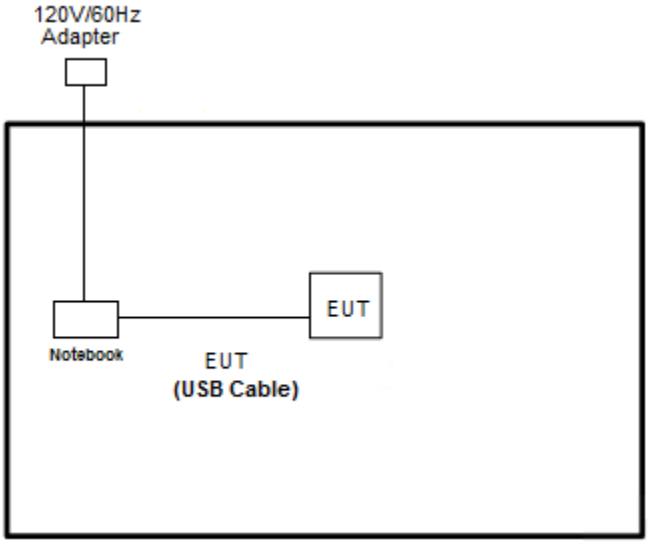
Note: The above Frequency and Channel in "*" were straddle Channel.

2.3 Connection Diagram of Test System

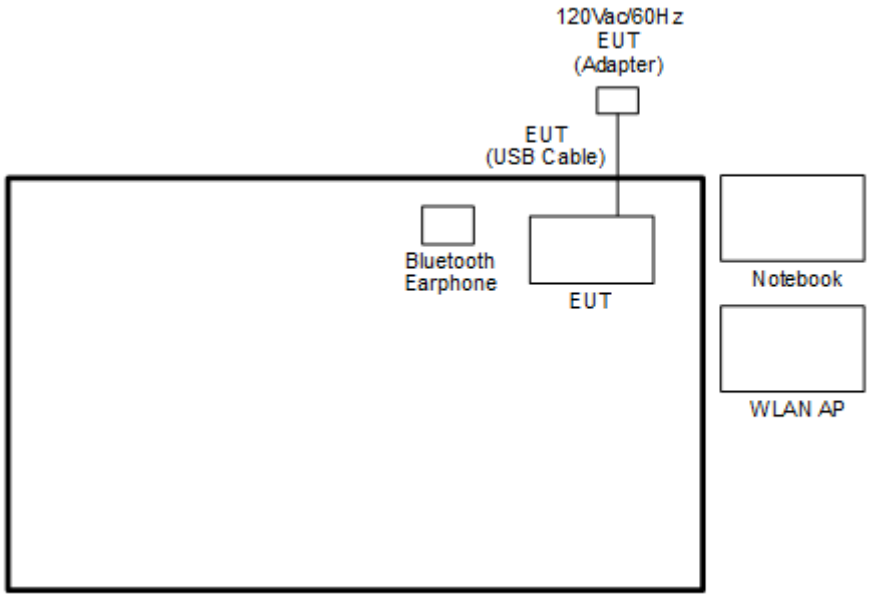
<CDD Mode>



<TXBF Mode>



<For AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	NA	N/A	Unshielded,1.8m
3.	Notebook	Dell	Latitude E5480	FCC DoC	N/A	AC I/P： Unshielded, 1.2m DC O/P： Shielded, 1.8m
4.	Notebook	Lenovo	G480	NoteBook-41	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Notebook	Dell	E3340	NoteBook-33	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT (V.3.0-00271)” was installed in EUT which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
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. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup

3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Test Engineer :	Shiming Liu , Eason Huang	Temperature :	21~25°C
		Relative Humidity :	51~54%

<CDD Mode>

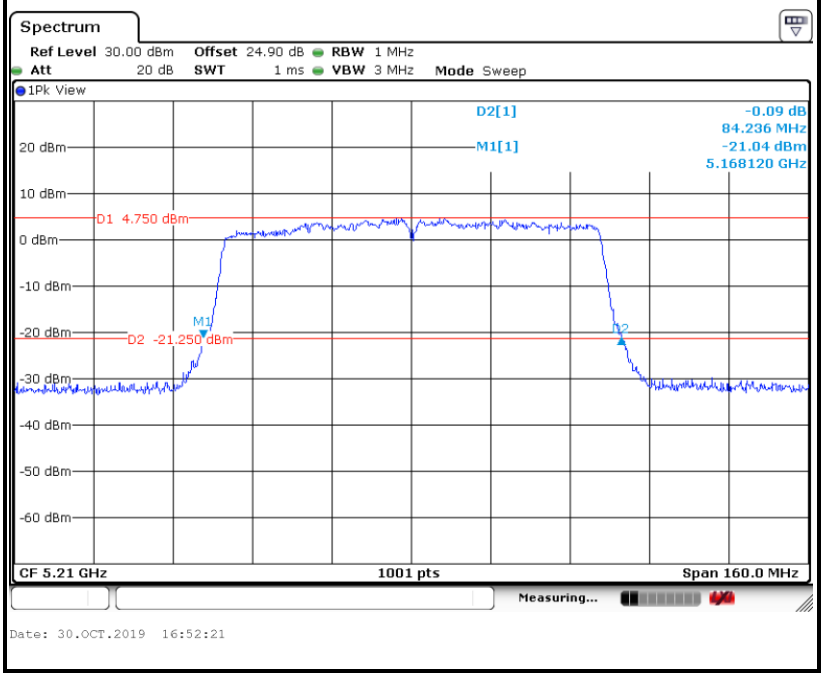
Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		-	Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	16.73	16.68	24.38	24.28	-		22.24	22.22		
11a	6Mbps	1	44	5220	16.73	16.68	24.38	24.08	-		22.24	22.22		
11a	6Mbps	1	48	5240	16.68	16.68	24.43	24.13	-		22.22	22.22		
VHT20	MCS0	1	36	5180	17.88	17.88	25.52	25.18	-		22.52	22.52		
VHT20	MCS0	1	44	5220	17.88	17.88	25.87	25.62	-		22.52	22.52		
VHT20	MCS0	1	48	5240	17.93	17.88	25.62	25.52	-		22.54	22.52		
VHT40	MCS0	1	38	5190	36.46	36.46	41.81	41.81	-		23.01	23.01		
VHT40	MCS0	1	46	5230	36.56	36.56	41.81	41.99	-		23.01	23.01		
VHT80	MCS0	1	42	5210	**76.24**	76.12	83.92	83.60	-		23.01	23.01		
11a	6Mbps	2	36	5180	16.83	16.73	24.43	24.18	-		22.24		-	-
11a	6Mbps	2	44	5220	16.83	16.73	24.48	24.13	-		22.24			
11a	6Mbps	2	48	5240	16.78	16.73	24.78	24.53	-		22.24			
VHT20	MCS0	2	36	5180	17.93	17.78	25.77	24.73	-		22.50			
VHT20	MCS0	2	44	5220	17.93	17.73	25.72	24.93	-		22.49			
VHT20	MCS0	2	48	5240	17.88	17.78	25.48	24.78	-		22.50			
VHT40	MCS0	2	38	5190	36.46	36.46	41.72	41.99	-		23.01			
VHT40	MCS0	2	46	5230	36.56	36.56	41.90	41.99	-		23.01			
VHT80	MCS0	2	42	5210	76.12	76.12	83.92	**84.24**	-		23.01			

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.68	16.68	24.13	24.28	23.22	23.22	29.22	29.22	23.98	23.98	
11a	6Mbps	1	60	5300	16.68	16.68	24.23	24.18	23.22	23.22	29.22	29.22	23.98	23.98	
11a	6Mbps	1	64	5320	16.63	16.73	24.33	24.33	23.21	23.24	29.21	29.24	23.98	23.98	
VHT20	MCS0	1	52	5260	17.88	17.88	25.62	25.67	23.52	23.52	29.52	29.52	23.98	23.98	
VHT20	MCS0	1	60	5300	17.88	17.93	25.62	25.62	23.52	23.54	29.52	29.54	23.98	23.98	
VHT20	MCS0	1	64	5320	17.88	17.88	25.52	25.72	23.52	23.52	29.52	29.52	23.98	23.98	
VHT40	MCS0	1	54	5270	36.46	36.46	41.72	41.72	23.98	23.98	30.00	30.00	23.98	23.98	
VHT40	MCS0	1	62	5310	36.46	36.66	41.81	42.08	23.98	23.98	30.00	30.00	23.98	23.98	
VHT80	MCS0	1	58	5290	**76.24**	76.12	83.60	**84.08**	23.98	23.98	30.00	30.00	23.98	23.98	
11a	6Mbps	2	52	5260	16.78	16.73	24.03	23.88	23.24		29.24		23.98		-
11a	6Mbps	2	60	5300	16.83	16.73	24.23	24.03	23.24		29.24		23.98		
11a	6Mbps	2	64	5320	16.83	16.73	24.23	24.08	23.24		29.24		23.98		
VHT20	MCS0	2	52	5260	17.88	17.83	25.57	25.52	23.51		29.51		23.98		
VHT20	MCS0	2	60	5300	17.83	17.78	25.08	24.83	23.50		29.50		23.98		
VHT20	MCS0	2	64	5320	17.83	17.83	25.33	25.28	23.51		29.51		23.98		
VHT40	MCS0	2	54	5270	36.46	36.36	41.63	41.99	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.46	36.46	41.72	41.99	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	**76.24**	76.00	**84.08**	83.76	23.98		30.00		23.98		

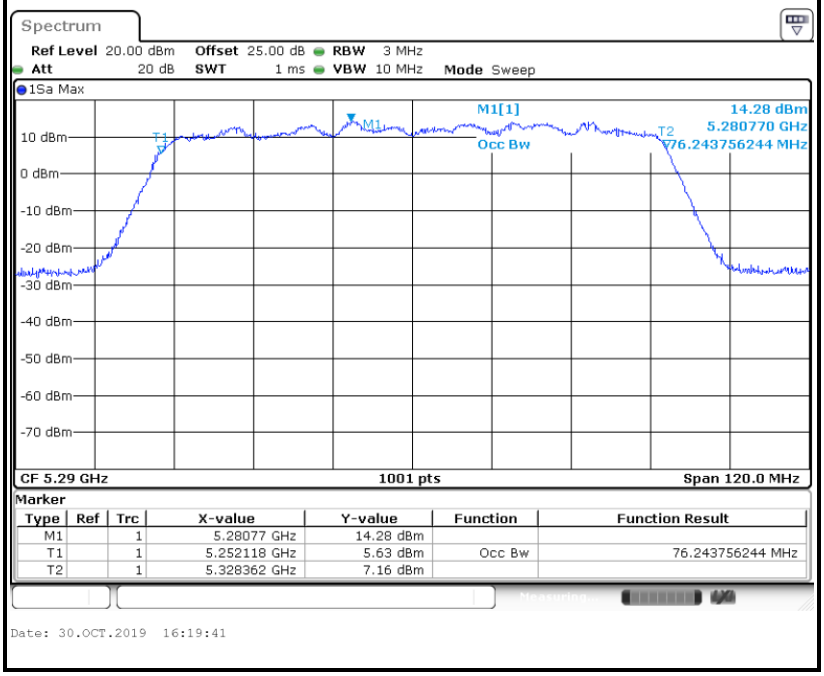
Band III																
Mod	Data Rate	NTX	CH	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.73	16.73	24.03	24.13	23.24	23.24	29.24	29.24	23.98	23.98	-	-
11a	6Mbps	1	116	5580	16.73	16.73	24.28	24.58	23.24	23.24	29.24	29.24	23.98	23.98	-	-
11a	6Mbps	1	140	5700	16.73	16.73	24.58	24.48	23.24	23.24	29.24	29.24	23.98	23.98	-	-
11a	6Mbps	1	144	5720	13.34	13.34	17.14	16.89	22.25	22.25	28.25	28.25	23.34	23.28	2.89	2.59
VHT20	MCS0	1	100	5500	17.88	17.93	25.77	25.57	23.52	23.54	29.52	29.54	23.98	23.98	-	-
VHT20	MCS0	1	116	5580	17.88	17.93	24.98	25.97	23.52	23.54	29.52	29.54	23.98	23.98	-	-
VHT20	MCS0	1	140	5700	17.88	17.93	25.82	25.23	23.52	23.54	29.52	29.54	23.98	23.98	-	-
VHT20	MCS0	1	144	5720	13.89	13.94	17.59	17.74	22.43	22.44	28.43	28.44	23.45	23.49	3.14	3.39
VHT40	MCS0	1	102	5510	36.46	36.56	41.72	41.63	23.98	23.98	30.00	30.00	23.98	23.98	-	-
VHT40	MCS0	1	110	5550	36.46	36.46	41.90	41.81	23.98	23.98	30.00	30.00	23.98	23.98	-	-
VHT40	MCS0	1	134	5670	36.46	36.46	41.90	41.72	23.98	23.98	30.00	30.00	23.98	23.98	-	-
VHT40	MCS0	1	142	5710	33.18	33.18	35.68	35.68	23.98	23.98	30.00	30.00	23.98	23.98	2.53	3.18
VHT80	MCS0	1	106	5530	76.12	76.12	**83.92**	**83.92**	23.98	23.98	30.00	30.00	23.98	23.98	-	-
VHT80	MCS0	1	122	5610	**76.24**	**76.24**	83.44	83.76	23.98	23.98	30.00	30.00	23.98	23.98	-	-
VHT80	MCS0	1	138	5690	72.76	72.76	76.40	77.04	23.98	23.98	30.00	30.00	23.98	23.98	2.57	2.57

Band III															
Mod	Data Rate	NTX	CH	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.83	16.73	24.78	24.83	23.24		29.24		23.98		-	-
11a	6Mbps	2	116	5580	16.83	16.78	24.68	25.07	23.25		29.25		23.98		-	-
11a	6Mbps	2	140	5700	16.83	16.78	25.12	24.28	23.25		29.25		23.98		-	-
11a	6Mbps	2	144	5720	13.39	13.34	17.14	17.34	22.25		28.25		23.34		3.14	2.74
VHT20	MCS0	2	100	5500	17.88	17.78	25.67	24.63	23.50		29.50		23.98		-	-
VHT20	MCS0	2	116	5580	17.93	17.83	26.27	25.23	23.51		29.51		23.98		-	-
VHT20	MCS0	2	140	5700	17.98	17.83	25.72	25.33	23.51		29.51		23.98		-	-
VHT20	MCS0	2	144	5720	13.94	13.89	17.39	17.59	22.43		28.43		23.40		3.14	3.14
VHT40	MCS0	2	102	5510	36.46	36.36	41.54	41.81	23.98		30.00		23.98		-	-
VHT40	MCS0	2	110	5550	36.56	36.36	41.72	41.90	23.98		30.00		23.98		-	-
VHT40	MCS0	2	134	5670	36.46	36.46	41.81	41.72	23.98		30.00		23.98		-	-
VHT40	MCS0	2	142	5710	33.18	33.08	35.77	35.77	23.98		30.00		23.98		2.80	2.80
VHT80	MCS0	2	106	5530	76.12	75.88	**83.92**	82.48	23.98		30.00		23.98		-	-
VHT80	MCS0	2	122	5610	76.12	76.12	83.60	82.96	23.98		30.00		23.98		-	-
VHT80	MCS0	2	138	5690	72.76	72.76	76.72	75.92	23.98		30.00		23.98		2.73	2.57

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

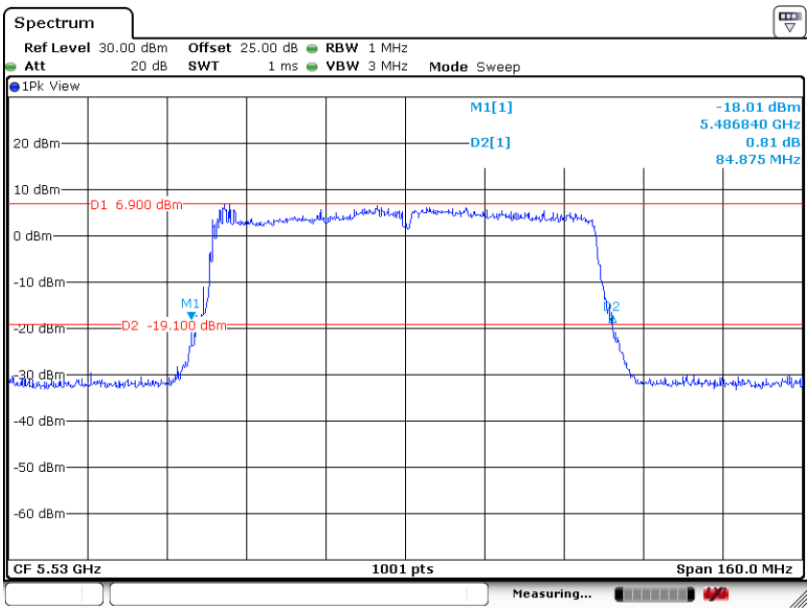
<TXBF Modes>

Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		-	Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	36	5180	17.68	18.88	23.48	27.87	-		22.48		-	
VHT20	MCS0	2	44	5220	17.68	18.88	23.73	27.82	-		22.48			
VHT20	MCS0	2	48	5240	17.68	18.93	23.93	28.12	-		22.48			
VHT40	MCS0	2	38	5190	36.56	36.46	41.27	42.53	-		23.01			
VHT40	MCS0	2	46	5230	36.86	36.66	41.18	42.89	-		23.01			
VHT80	MCS0	2	42	5210	**76.96**	76.72	81.68	**83.44**	-		23.01			

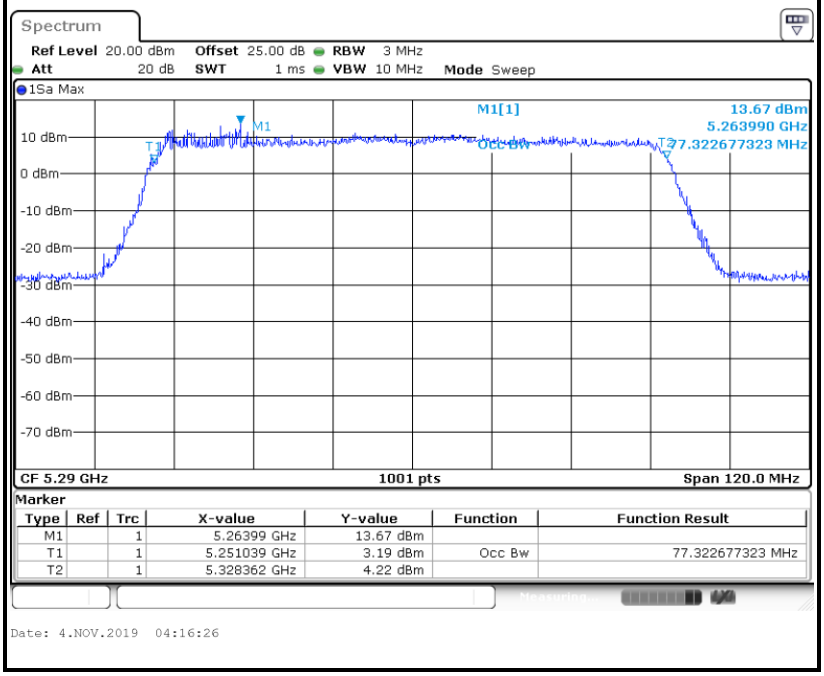
Band II																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	52	5260	17.73	19.03	23.33	27.77	23.49		29.49		23.98		
VHT20	MCS0	2	60	5300	17.68	18.93	23.73	28.12	23.48		29.48		23.98		
VHT20	MCS0	2	64	5320	17.73	19.08	24.58	27.77	23.49		29.49		23.98		
VHT40	MCS0	2	54	5270	36.56	36.56	41.72	42.44	23.98		30.00		23.98		-
VHT40	MCS0	2	62	5310	36.56	36.66	41.00	42.62	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	**77.32**	76.72	82.48	**84.24**	23.98		30.00		23.98		

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
VHT20	MCS0	2	100	5500	17.73	18.98	23.68	27.62	23.49		29.49		23.98		-	-
VHT20	MCS0	2	116	5580	17.73	18.98	23.63	28.52	23.49		29.49		23.98		-	-
VHT20	MCS0	2	140	5700	17.78	18.88	23.98	27.67	23.50		29.50		23.98		-	-
VHT20	MCS0	2	144	5720	13.84	14.24	17.34	18.79	22.41		28.41		23.39		2.59	3.79
VHT40	MCS0	2	102	5510	36.56	36.56	41.63	42.71	23.98		30.00		23.98		-	-
VHT40	MCS0	2	110	5550	36.76	36.56	41.36	42.17	23.98		30.00		23.98		-	-
VHT40	MCS0	2	134	5670	36.46	36.56	41.45	42.62	23.98		30.00		23.98		-	-
VHT40	MCS0	2	142	5710	33.28	33.28	35.50	36.13	23.98		30.00		23.98		2.53	3.16
VHT80	MCS0	2	106	5530	**76.96**	76.60	**84.88**	83.12	23.98		30.00		23.98		-	-
VHT80	MCS0	2	122	5610	76.84	76.72	82.96	83.12	23.98		30.00		23.98		-	-
VHT80	MCS0	2	138	5690	73.24	73.24	76.24	76.40	23.98		30.00		23.98		2.57	3.20

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

See list of measuring equipment of this test report.

3.2.3 Test Procedures

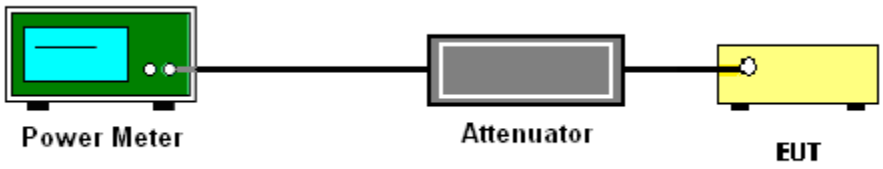
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Test Engineer :	Shiming Liu , Eason Huang	Temperature :	21~25°C
		Relative Humidity :	51~54%

<CDD Mode>

FCC Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		-	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	15.90	15.90		24.00	24.00	4.46	3.25		Pass
11a	6Mbps	1	44	5220	15.80	15.80		24.00	24.00	4.46	3.25		Pass
11a	6Mbps	1	48	5240	15.80	15.80		24.00	24.00	4.46	3.25		Pass
HT20	MCS0	1	36	5180	15.80	15.80		24.00	24.00	4.46	3.25		Pass
HT20	MCS0	1	44	5220	15.60	15.60		24.00	24.00	4.46	3.25		Pass
HT20	MCS0	1	48	5240	15.60	15.60		24.00	24.00	4.46	3.25		Pass
HT40	MCS0	1	38	5190	15.80	15.80		24.00	24.00	4.46	3.25		Pass
HT40	MCS0	1	46	5230	15.70	15.70	-	24.00	24.00	4.46	3.25	-	Pass
VHT20	MCS0	1	36	5180	15.90	15.90		24.00	24.00	4.46	3.25		Pass
VHT20	MCS0	1	44	5220	15.70	15.70		24.00	24.00	4.46	3.25		Pass
VHT20	MCS0	1	48	5240	15.70	15.70		24.00	24.00	4.46	3.25		Pass
VHT40	MCS0	1	38	5190	15.90	15.90		24.00	24.00	4.46	3.25		Pass
VHT40	MCS0	1	46	5230	15.80	15.80		24.00	24.00	4.46	3.25		Pass
VHT80	MCS0	1	42	5210	15.50	15.60		24.00	24.00	4.46	3.25		Pass
11a	6Mbps	2	36	5180	15.60	15.90	18.76	24.00		4.46			Pass
11a	6Mbps	2	44	5220	15.60	15.60	18.61	24.00		4.46			Pass
11a	6Mbps	2	48	5240	15.50	15.60	18.56	24.00		4.46			Pass
HT20	MCS0	2	36	5180	15.50	15.60	18.56	24.00		4.46			Pass
HT20	MCS0	2	44	5220	15.80	15.80	18.81	24.00		4.46			Pass
HT20	MCS0	2	48	5240	15.80	15.70	18.76	24.00		4.46			Pass
HT40	MCS0	2	38	5190	15.80	15.90	18.86	24.00		4.46			Pass
HT40	MCS0	2	46	5230	15.80	15.80	18.81	24.00		4.46		-	Pass
VHT20	MCS0	2	36	5180	15.60	15.70	18.66	24.00		4.46			Pass
VHT20	MCS0	2	44	5220	15.90	15.90	18.91	24.00		4.46			Pass
VHT20	MCS0	2	48	5240	15.90	15.80	18.86	24.00		4.46			Pass
VHT40	MCS0	2	38	5190	15.90	16.00	**18.96**	24.00		4.46			Pass
VHT40	MCS0	2	46	5230	15.90	15.90	18.91	24.00		4.46			Pass
VHT80	MCS0	2	42	5210	12.60	13.10	15.87	24.00		4.46			Pass

FCC Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	15.90	15.90		23.98	23.98	4.95	4.68	30	Pass
11a	6Mbps	1	60	5300	15.80	15.80		23.98	23.98	4.95	4.68	30	Pass
11a	6Mbps	1	64	5320	15.80	15.80		23.98	23.98	4.95	4.68	30	Pass
HT20	MCS0	1	52	5260	15.80	15.70		23.98	23.98	4.95	4.68	30	Pass
HT20	MCS0	1	60	5300	15.60	15.60		23.98	23.98	4.95	4.68	30	Pass
HT20	MCS0	1	64	5320	15.60	15.60		23.98	23.98	4.95	4.68	30	Pass
HT40	MCS0	1	54	5270	15.80	15.80		23.98	23.98	4.95	4.68	30	Pass
HT40	MCS0	1	62	5310	15.70	15.70	-	23.98	23.98	4.95	4.68	30	Pass
VHT20	MCS0	1	52	5260	15.90	15.80		23.98	23.98	4.95	4.68	30	Pass
VHT20	MCS0	1	60	5300	15.70	15.70		23.98	23.98	4.95	4.68	30	Pass
VHT20	MCS0	1	64	5320	15.70	15.70		23.98	23.98	4.95	4.68	30	Pass
VHT40	MCS0	1	54	5270	15.90	15.90		23.98	23.98	4.95	4.68	30	Pass
VHT40	MCS0	1	62	5310	15.80	15.80		23.98	23.98	4.95	4.68	30	Pass
VHT80	MCS0	1	58	5290	15.60	15.70		23.98	23.98	4.95	4.68	30	Pass
11a	6Mbps	2	52	5260	15.60	15.70	18.66	23.98		4.95		30	Pass
11a	6Mbps	2	60	5300	15.90	15.90	**18.91**	23.98		4.95		30	Pass
11a	6Mbps	2	64	5320	15.90	15.80	18.86	23.98		4.95		30	Pass
HT20	MCS0	2	52	5260	15.80	15.80	18.81	23.98		4.95		30	Pass
HT20	MCS0	2	60	5300	15.70	15.70	18.71	23.98		4.95		30	Pass
HT20	MCS0	2	64	5320	15.70	15.60	18.66	23.98		4.95		30	Pass
HT40	MCS0	2	54	5270	15.80	15.80	18.81	23.98		4.95		30	Pass
HT40	MCS0	2	62	5310	15.60	15.80	18.71	23.98		4.95		30	Pass
VHT20	MCS0	2	52	5260	15.90	15.90	**18.91**	23.98		4.95		30	Pass
VHT20	MCS0	2	60	5300	15.80	15.80	18.81	23.98		4.95		30	Pass
VHT20	MCS0	2	64	5320	15.80	15.70	18.76	23.98		4.95		30	Pass
VHT40	MCS0	2	54	5270	15.90	15.90	**18.91**	23.98		4.95		30	Pass
VHT40	MCS0	2	62	5310	15.70	15.90	18.81	23.98		4.95		30	Pass
VHT80	MCS0	2	58	5290	11.60	12.00	14.81	23.98		4.95		30	Pass

FCC Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	16.30	16.40		23.98	23.98	5.12	5.13	30	Pass
11a	6Mbps	1	116	5580	16.40	16.40		23.98	23.98	5.12	5.13	30	Pass
11a	6Mbps	1	140	5700	16.10	16.10		23.98	23.98	5.12	5.13	30	Pass
11a	6Mbps	1	144	5720	16.10	16.20		23.34	23.28	5.12	5.13	30	Pass
HT20	MCS0	1	100	5500	16.00	16.20		23.98	23.98	5.12	5.13	30	Pass
HT20	MCS0	1	116	5580	16.10	16.30		23.98	23.98	5.12	5.13	30	Pass
HT20	MCS0	1	140	5700	16.30	16.30		23.98	23.98	5.12	5.13	30	Pass
HT20	MCS0	1	144	5720	16.20	16.30		23.45	23.49	5.12	5.13	30	Pass
HT40	MCS0	1	102	5510	16.20	16.40		23.98	23.98	5.12	5.13	30	Pass
HT40	MCS0	1	110	5550	16.30	16.30		23.98	23.98	5.12	5.13	30	Pass
HT40	MCS0	1	134	5670	16.10	16.30		23.98	23.98	5.12	5.13	30	Pass
HT40	MCS0	1	142	5710	16.10	16.10	-	23.98	23.98	5.12	5.13	30	Pass
VHT20	MCS0	1	100	5500	16.10	16.30		23.98	23.98	5.12	5.13	30	Pass
VHT20	MCS0	1	116	5580	16.20	16.40		23.98	23.98	5.12	5.13	30	Pass
VHT20	MCS0	1	140	5700	16.40	16.40		23.98	23.98	5.12	5.13	30	Pass
VHT20	MCS0	1	144	5720	16.30	16.40		23.45	23.49	5.12	5.13	30	Pass
VHT40	MCS0	1	102	5510	16.30	16.50		23.98	23.98	5.12	5.13	30	Pass
VHT40	MCS0	1	110	5550	16.40	16.40		23.98	23.98	5.12	5.13	30	Pass
VHT40	MCS0	1	134	5670	16.20	16.40		23.98	23.98	5.12	5.13	30	Pass
VHT40	MCS0	1	142	5710	16.20	16.20		23.98	23.98	5.12	5.13	30	Pass
VHT80	MCS0	1	106	5530	16.30	16.40		23.98	23.98	5.12	5.13	30	Pass
VHT80	MCS0	1	122	5610	16.30	16.50		23.98	23.98	5.12	5.13	30	Pass
VHT80	MCS0	1	138	5690	16.40	16.40		23.98	23.98	5.12	5.13	30	Pass

FCC Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	16.10	16.10	19.11	23.98		5.13		30	Pass
11a	6Mbps	2	116	5580	16.10	16.10	19.11	23.98		5.13		30	Pass
11a	6Mbps	2	140	5700	16.30	16.20	19.26	23.98		5.13		30	Pass
11a	6Mbps	2	144	5720	16.20	16.30	19.26	23.34		5.13		30	Pass
HT20	MCS0	2	100	5500	16.30	16.30	19.31	23.98		5.13		30	Pass
HT20	MCS0	2	116	5580	16.30	16.40	19.36	23.98		5.13		30	Pass
HT20	MCS0	2	140	5700	16.30	16.30	19.31	23.98		5.13		30	Pass
HT20	MCS0	2	144	5720	16.30	16.30	19.31	23.40		5.13		30	Pass
HT40	MCS0	2	102	5510	16.30	16.40	19.36	23.98		5.13		30	Pass
HT40	MCS0	2	110	5550	16.10	16.10	19.11	23.98		5.13		30	Pass
HT40	MCS0	2	134	5670	16.10	16.10	19.11	23.98		5.13		30	Pass
HT40	MCS0	2	142	5710	16.20	16.20	19.21	23.98		5.13		30	Pass
VHT20	MCS0	2	100	5500	16.40	16.40	19.41	23.98		5.13		30	Pass
VHT20	MCS0	2	116	5580	16.40	16.50	**19.46**	23.98		5.13		30	Pass
VHT20	MCS0	2	140	5700	16.40	16.40	19.41	23.98		5.13		30	Pass
VHT20	MCS0	2	144	5720	16.40	16.40	19.41	23.40		5.13		30	Pass
VHT40	MCS0	2	102	5510	16.40	16.50	**19.46**	23.98		5.13		30	Pass
VHT40	MCS0	2	110	5550	16.20	16.20	19.21	23.98		5.13		30	Pass
VHT40	MCS0	2	134	5670	16.20	16.20	19.21	23.98		5.13		30	Pass
VHT40	MCS0	2	142	5710	16.30	16.30	19.31	23.98		5.13		30	Pass
VHT80	MCS0	2	106	5530	16.40	16.40	19.41	23.98		5.13		30	Pass
VHT80	MCS0	2	122	5610	16.40	16.30	19.36	23.98		5.13		30	Pass
VHT80	MCS0	2	138	5690	16.20	16.10	19.16	23.98		5.13		30	Pass

<TXBF Mode>

FCC Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		-	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	36	5180	13.70	15.70	17.82	23.11		6.89		-	Pass
VHT20	MCS0	2	44	5220	14.00	15.80	18.00	23.11		6.89			Pass
VHT20	MCS0	2	48	5240	13.90	15.90	18.02	23.11		6.89			Pass
VHT40	MCS0	2	38	5190	14.10	15.70	17.98	23.11		6.89			Pass
VHT40	MCS0	2	46	5230	14.40	15.70	18.11	23.11		6.89			Pass
VHT80	MCS0	2	42	5210	14.90	15.80	**18.38**	23.11		6.89			Pass

FCC Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	52	5260	13.90	15.90	18.02	22.15		7.83		30	Pass
VHT20	MCS0	2	60	5300	13.80	15.90	17.99	22.15		7.83		30	Pass
VHT20	MCS0	2	64	5320	14.30	15.90	18.18	22.15		7.83		30	Pass
VHT40	MCS0	2	54	5270	14.40	15.90	18.22	22.15		7.83		30	Pass
VHT40	MCS0	2	62	5310	14.40	15.70	18.11	22.15		7.83		30	Pass
VHT80	MCS0	2	58	5290	14.70	15.80	**18.30**	22.15		7.83		30	Pass

FCC Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	100	5500	14.70	16.20	18.52	21.84		8.14		30	Pass
VHT20	MCS0	2	116	5580	14.40	16.30	18.46	21.84		8.14		30	Pass
VHT20	MCS0	2	140	5700	14.40	16.20	18.40	21.84		8.14		30	Pass
VHT20	MCS0	2	144	5720	14.40	16.20	18.40	21.25		8.14		30	Pass
VHT40	MCS0	2	102	5510	15.00	16.30	18.71	21.84		8.14		30	Pass
VHT40	MCS0	2	110	5550	14.90	16.10	18.55	21.84		8.14		30	Pass
VHT40	MCS0	2	134	5670	14.70	16.20	18.52	21.84		8.14		30	Pass
VHT40	MCS0	2	142	5710	14.80	16.40	18.68	21.84		8.14		30	Pass
VHT80	MCS0	2	106	5530	15.40	16.30	18.88	21.84		8.14		30	Pass
VHT80	MCS0	2	122	5610	15.50	16.20	18.87	21.84		8.14		30	Pass
VHT80	MCS0	2	138	5690	15.70	16.40	**19.07**	21.84		8.14		30	Pass

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

<CDD Modes>

 # Method SA-2 #

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

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 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):

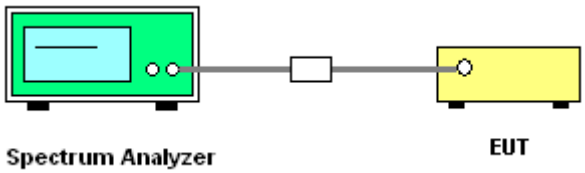
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the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

Test Engineer :	Shiming Liu , Eason Huang	Temperature :	21~25°C
		Relative Humidity :	51~54%

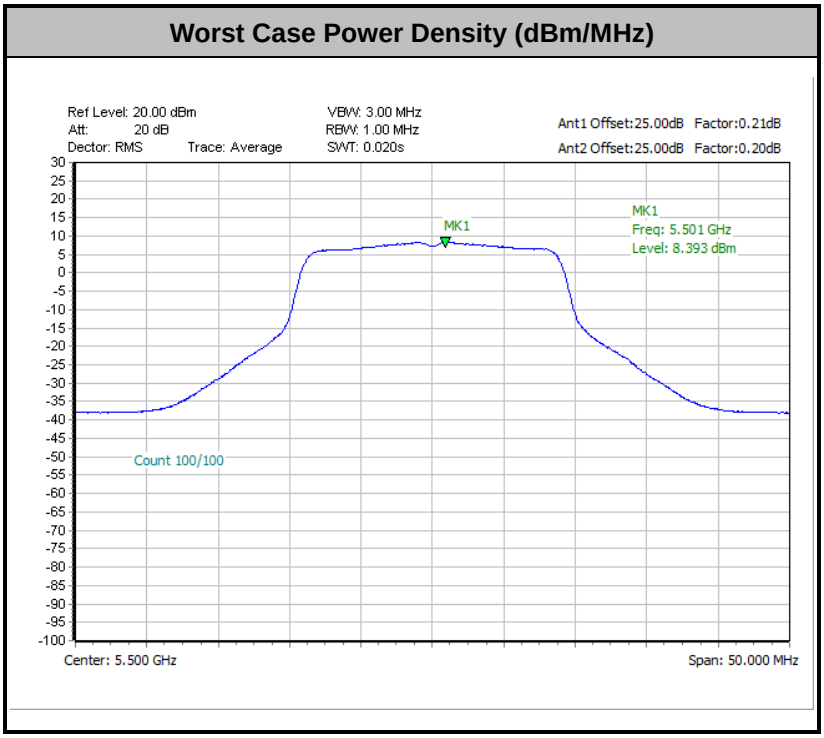
<CDD Mode>

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	0.19	0.19	5.36	5.31		11.00	11.00	4.46	3.25		Pass
11a	6Mbps	1	44	5220	0.19	0.19	5.16	5.12		11.00	11.00	4.46	3.25		Pass
11a	6Mbps	1	48	5240	0.19	0.19	5.25	4.99		11.00	11.00	4.46	3.25		Pass
VHT20	MCS0	1	36	5180	0.20	0.18	4.68	4.82		11.00	11.00	4.46	3.25		Pass
VHT20	MCS0	1	44	5220	0.20	0.18	4.67	4.62	-	11.00	11.00	4.46	3.25		Pass
VHT20	MCS0	1	48	5240	0.20	0.18	4.62	4.52		11.00	11.00	4.46	3.25		Pass
VHT40	MCS0	1	38	5190	0.39	0.40	2.01	2.12		11.00	11.00	4.46	3.25		Pass
VHT40	MCS0	1	46	5230	0.39	0.40	1.84	1.68		11.00	11.00	4.46	3.25		Pass
VHT80	MCS0	1	42	5210	0.69	0.67	-1.53	-1.51		11.00	11.00	4.46	3.25		Pass
11a	6Mbps	2	36	5180	0.20	0.18			7.62	10.11		6.89		-	Pass
11a	6Mbps	2	44	5220	0.20	0.18			7.67	10.11		6.89			Pass
11a	6Mbps	2	48	5240	0.20	0.18			7.62	10.11		6.89			Pass
VHT20	MCS0	2	36	5180	0.21	0.20			7.46	10.11		6.89			Pass
VHT20	MCS0	2	44	5220	0.21	0.20		-	**7.83**	10.11		6.89			Pass
VHT20	MCS0	2	48	5240	0.21	0.20			7.75	10.11		6.89			Pass
VHT40	MCS0	2	38	5190	0.38	0.40			5.08	10.11		6.89			Pass
VHT40	MCS0	2	46	5230	0.38	0.40			4.83	10.11		6.89			Pass
VHT80	MCS0	2	42	5210	0.69	0.69			-1.29	10.11		6.89			Pass

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.19	0.19	5.36	5.27		11.00	11.00	4.95	4.68		Pass
11a	6Mbps	1	60	5300	0.19	0.19	5.40	5.15		11.00	11.00	4.95	4.68		Pass
11a	6Mbps	1	64	5320	0.19	0.19	5.36	5.06		11.00	11.00	4.95	4.68		Pass
VHT20	MCS0	1	52	5260	0.20	0.18	4.85	4.82		11.00	11.00	4.95	4.68		Pass
VHT20	MCS0	1	60	5300	0.20	0.18	4.74	4.65	-	11.00	11.00	4.95	4.68		Pass
VHT20	MCS0	1	64	5320	0.20	0.18	4.60	4.50		11.00	11.00	4.95	4.68		Pass
VHT40	MCS0	1	54	5270	0.39	0.40	1.99	2.27		11.00	11.00	4.95	4.68		Pass
VHT40	MCS0	1	62	5310	0.39	0.40	1.85	1.78		11.00	11.00	4.95	4.68		Pass
VHT80	MCS0	1	58	5290	0.69	0.67	-1.51	-1.09		11.00	11.00	4.95	4.68		Pass
11a	6Mbps	2	52	5260	0.20	0.18			7.83	9.17		7.83		-	Pass
11a	6Mbps	2	60	5300	0.20	0.18			7.78	9.17		7.83			Pass
11a	6Mbps	2	64	5320	0.20	0.18			7.63	9.17		7.83			Pass
VHT20	MCS0	2	52	5260	0.21	0.20			**7.88**	9.17		7.83			Pass
VHT20	MCS0	2	60	5300	0.21	0.20			7.82	9.17		7.83			Pass
VHT20	MCS0	2	64	5320	0.21	0.20			7.71	9.17		7.83			Pass
VHT40	MCS0	2	54	5270	0.38	0.40			5.10	9.17		7.83			Pass
VHT40	MCS0	2	62	5310	0.38	0.40			4.78	9.17		7.83			Pass
VHT80	MCS0	2	58	5290	0.69	0.69			-2.10	9.17		7.83			Pass

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.19	0.19	5.46	5.65		11.00	11.00	5.12	5.13		Pass
11a	6Mbps	1	116	5580	0.19	0.19	5.59	5.70		11.00	11.00	5.12	5.13		Pass
11a	6Mbps	1	140	5700	0.19	0.19	5.23	5.35		11.00	11.00	5.12	5.13		Pass
11a	6Mbps	1	144	5720	0.19	0.19	5.25	5.37		11.00	11.00	5.12	5.13		Pass
VHT20	MCS0	1	100	5500	0.20	0.18	4.88	5.12		11.00	11.00	5.12	5.13		Pass
VHT20	MCS0	1	116	5580	0.20	0.18	5.08	5.21		11.00	11.00	5.12	5.13		Pass
VHT20	MCS0	1	140	5700	0.20	0.18	5.25	5.40		11.00	11.00	5.12	5.13		Pass
VHT20	MCS0	1	144	5720	0.20	0.18	5.24	5.49	-	11.00	11.00	5.12	5.13	-	Pass
VHT40	MCS0	1	102	5510	0.39	0.40	2.31	2.37		11.00	11.00	5.12	5.13		Pass
VHT40	MCS0	1	110	5550	0.39	0.40	2.40	2.40		11.00	11.00	5.12	5.13		Pass
VHT40	MCS0	1	134	5670	0.39	0.40	1.96	2.41		11.00	11.00	5.12	5.13		Pass
VHT40	MCS0	1	142	5710	0.39	0.40	2.00	2.15		11.00	11.00	5.12	5.13		Pass
VHT80	MCS0	1	106	5530	0.69	0.67	-0.68	-0.48		11.00	11.00	5.12	5.13		Pass
VHT80	MCS0	1	122	5610	0.69	0.67	-0.71	-0.65		11.00	11.00	5.12	5.13		Pass
VHT80	MCS0	1	138	5690	0.69	0.67	-0.64	-0.69		11.00	11.00	5.12	5.13		Pass
11a	6Mbps	2	100	5500	0.20	0.18			8.14	8.86		8.14			Pass
11a	6Mbps	2	116	5580	0.20	0.18			8.10	8.86		8.14			Pass
11a	6Mbps	2	140	5700	0.20	0.18			8.24	8.86		8.14			Pass
11a	6Mbps	2	144	5720	0.20	0.18			8.30	8.86		8.14			Pass
VHT20	MCS0	2	100	5500	0.21	0.20			**8.39**	8.86		8.14			Pass
VHT20	MCS0	2	116	5580	0.21	0.20			8.13	8.86		8.14			Pass
VHT20	MCS0	2	140	5700	0.21	0.20			8.19	8.86		8.14			Pass
VHT20	MCS0	2	144	5720	0.21	0.20	-		8.23	8.86		8.14		-	Pass
VHT40	MCS0	2	102	5510	0.38	0.40			5.38	8.86		8.14			Pass
VHT40	MCS0	2	110	5550	0.38	0.40			4.98	8.86		8.14			Pass
VHT40	MCS0	2	134	5670	0.38	0.40			4.77	8.86		8.14			Pass
VHT40	MCS0	2	142	5710	0.38	0.40			4.94	8.86		8.14			Pass
VHT80	MCS0	2	106	5530	0.69	0.69			2.63	8.86		8.14			Pass
VHT80	MCS0	2	122	5610	0.69	0.69			2.41	8.86		8.14			Pass
VHT80	MCS0	2	138	5690	0.69	0.69			1.94	8.86		8.14			Pass

Worst Case Power Density (dBm/MHz)



Note: Average Power Density (dB) = Measured value+ Duty Factor

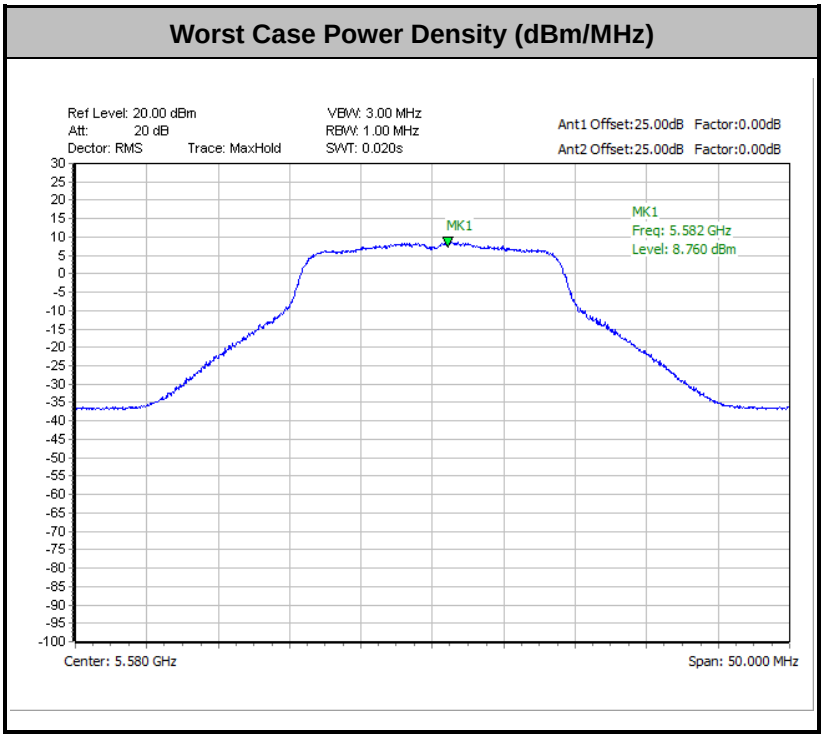
<TXBF Modes>

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	36	5180	0.00	0.00			7.93	10.11		6.89			Pass
VHT20	MCS0	2	44	5220	0.00	0.00			**8.37**	10.11		6.89			Pass
VHT20	MCS0	2	48	5240	0.00	0.00			8.14	10.11		6.89			Pass
VHT40	MCS0	2	38	5190	0.00	0.00	-		5.26	10.11		6.89		-	Pass
VHT40	MCS0	2	46	5230	0.00	0.00			5.36	10.11		6.89			Pass
VHT80	MCS0	2	42	5210	0.00	0.00			4.46	10.11		6.89			Pass

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	52	5260	0.00	0.00			8.27	9.17		7.83			Pass
VHT20	MCS0	2	60	5300	0.00	0.00			8.33	9.17		7.83			Pass
VHT20	MCS0	2	64	5320	0.00	0.00			**8.55**	9.17		7.83			Pass
VHT40	MCS0	2	54	5270	0.00	0.00	-		5.71	9.17		7.83		-	Pass
VHT40	MCS0	2	62	5310	0.00	0.00			5.46	9.17		7.83			Pass
VHT80	MCS0	2	58	5290	0.00	0.00			4.78	9.17		7.83			Pass

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	-Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	100	5500	0.00	0.00			8.67	8.86		8.14			Pass
VHT20	MCS0	2	116	5580	0.00	0.00			**8.76**	8.86		8.14			Pass
VHT20	MCS0	2	140	5700	0.00	0.00			8.41	8.86		8.14			Pass
VHT20	MCS0	2	144	5720	0.00	0.00			8.59	8.86		8.14			Pass
VHT40	MCS0	2	102	5510	0.00	0.00			6.10	8.86		8.14			Pass
VHT40	MCS0	2	110	5550	0.00	0.00		-	6.32	8.86		8.14		-	Pass
VHT40	MCS0	2	134	5670	0.00	0.00			5.84	8.86		8.14			Pass
VHT40	MCS0	2	142	5710	0.00	0.00			6.43	8.86		8.14			Pass
VHT80	MCS0	2	106	5530	0.00	0.00			5.28	8.86		8.14			Pass
VHT80	MCS0	2	122	5610	0.00	0.00			5.49	8.86		8.14			Pass
VHT80	MCS0	2	138	5690	0.00	0.00			5.48	8.86		8.14			Pass

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

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 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit 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.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

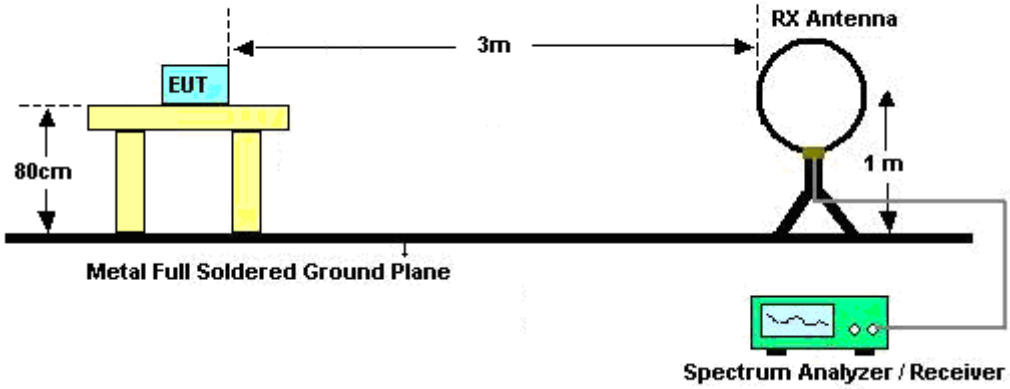
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

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

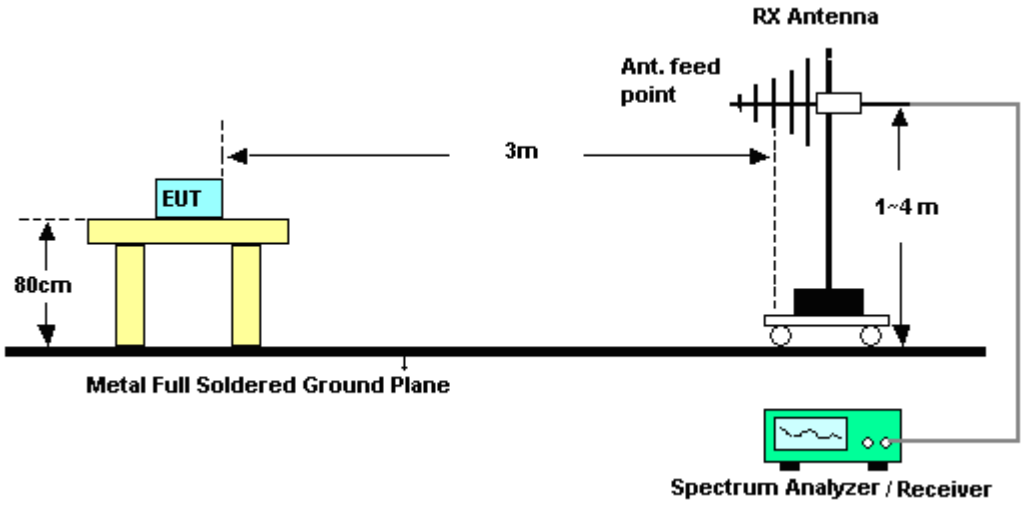
3.4.4 Test Setup

For radiated emissions below 30MHz

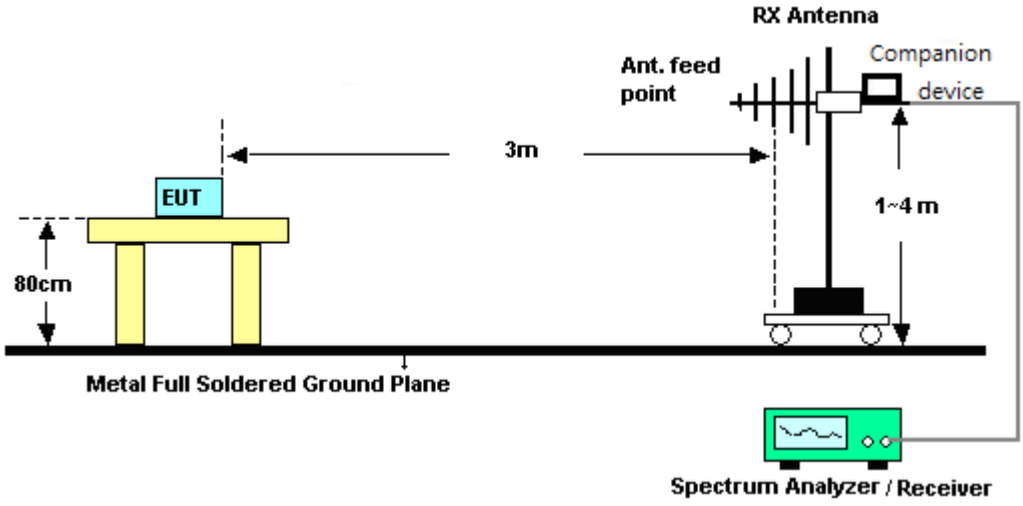


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

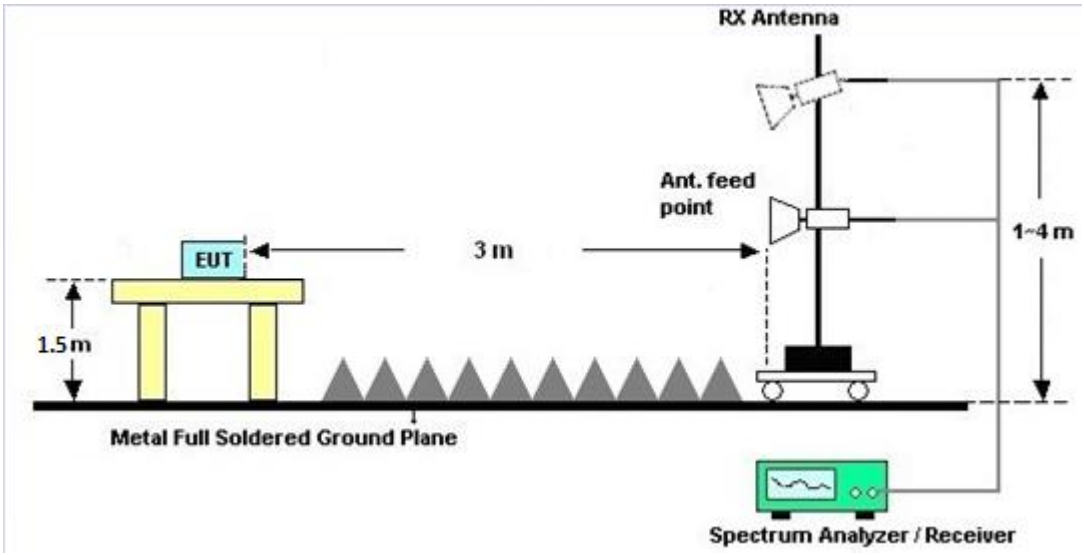


<TXBF Modes>

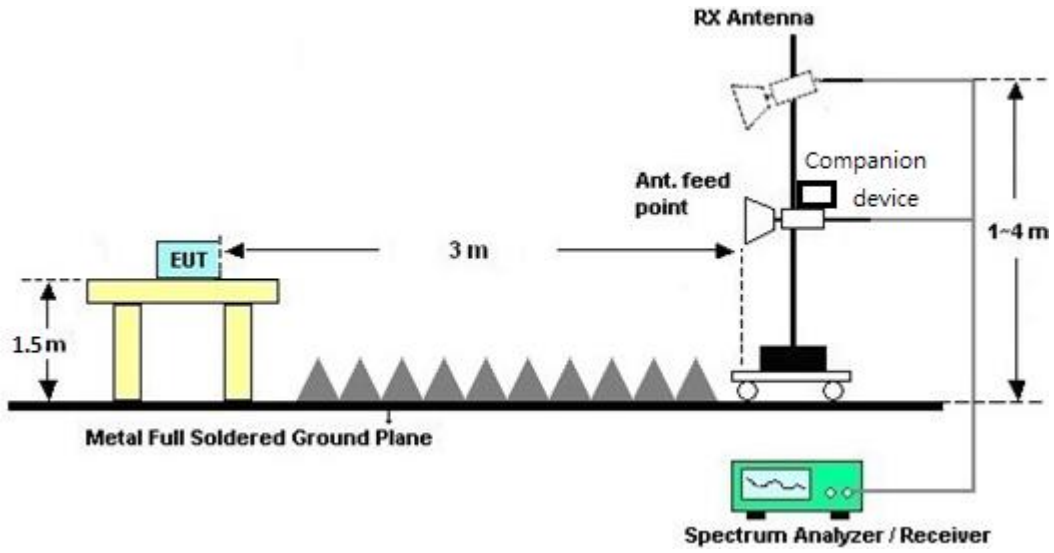


For radiated emissions above 1GHz

<CDD Mode>



<TXBF Modes>



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 was not reported.

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

3.4.6 Test Result of Radiated 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.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

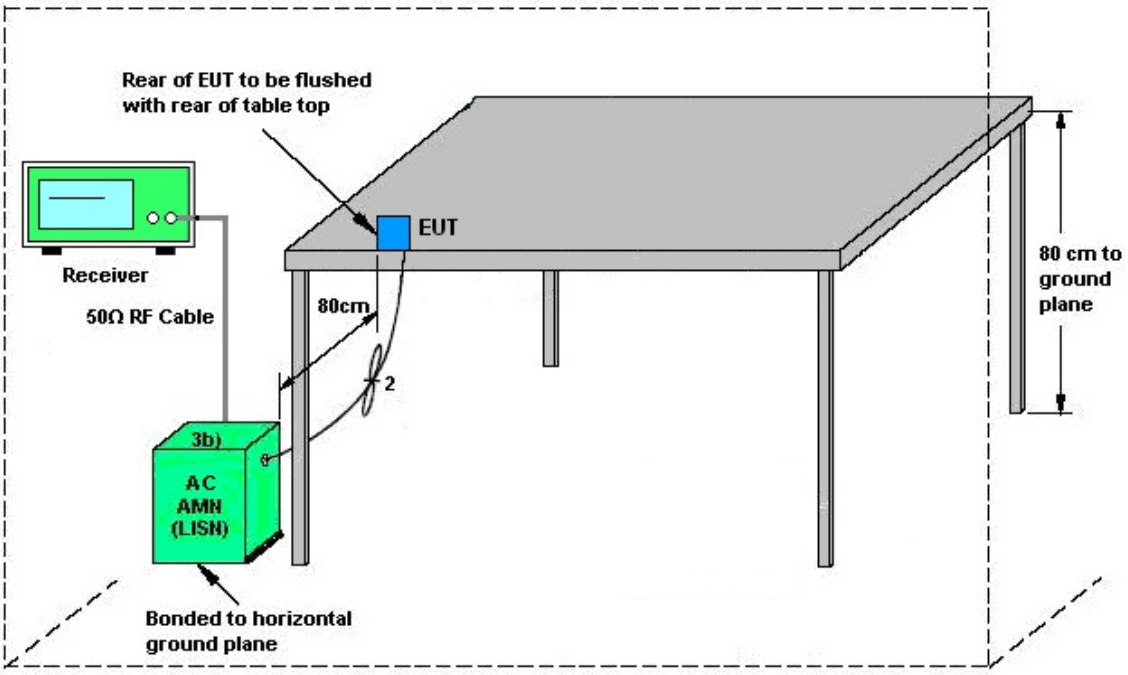
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	4.46	3.25	4.46	6.89	0.00	0.89
Band II	4.95	4.68	4.95	7.83	0.00	1.83
Band III	5.12	5.13	5.13	8.14	0.00	2.14

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

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

The directional gain calculation is following F)2)e)ii) of KDB 662911 D01 v02r01.

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	4.46	3.25	6.89	6.89	0.89	0.89
Band II	4.95	4.68	7.83	7.83	1.83	1.83
Band III	5.12	5.13	8.14	8.14	2.14	2.14

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

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

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 23, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 12, 2018	Sep. 23, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Sep. 23, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Sep. 23, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 23, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Sep. 23, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Sep. 23, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Sep. 24, 2019~ Nov. 02, 2019	Dec. 05, 2019	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 04, 2018	Sep. 24, 2019~ Nov. 02, 2019	Dec. 03, 2019	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	41912 & 05	30MHz~1GHz	Feb. 12, 2019	Sep. 24, 2019~ Nov. 02, 2019	Feb. 11, 2020	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz ~ 18GHz	Sep. 19, 2019	Sep. 24, 2019~ Nov. 02, 2019	Sep. 18, 2020	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Nov. 22, 2018	Sep. 24, 2019~ Nov. 02, 2019	Nov. 21, 2019	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 14, 2018	Sep. 24, 2019~ Nov. 02, 2019	Nov. 13, 2020	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY53470118	10Hz ~ 44GHz	Apr. 18, 2019	Sep. 24, 2019~ Nov. 02, 2019	Apr. 17, 2020	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Sep. 24, 2019~ Nov. 02, 2019	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Sep. 24, 2019~ Nov. 02, 2019	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Sep. 24, 2019~ Nov. 02, 2019	N/A	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA00101800-30-10P	1601180002	1GHz~18GHz	Aug. 01, 2019	Sep. 24, 2019~ Nov. 02, 2019	Jul. 31, 2020	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Sep. 27, 2019	Sep. 24, 2019~ Nov. 02, 2019	Sep. 26, 2020	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 05, 2018	Sep. 24, 2019~ Nov. 02, 2019	Dec. 04, 2019	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Mar. 08, 2019	Sep. 24, 2019~ Nov. 02, 2019	Mar. 07, 2020	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Sep. 24, 2019~ Nov. 02, 2019	N/A	Radiation (03CH11-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	9kHz-30MHz	Mar. 13, 2019	Sep. 24, 2019~ Nov. 02, 2019	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 13, 2019	Sep. 24, 2019~ Nov. 02, 2019	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	30M-18G	Mar. 13, 2019	Sep. 24, 2019~ Nov. 02, 2019	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 13, 2019	Sep. 24, 2019~ Nov. 02, 2019	Mar. 12, 2020	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53G Low Pass	Sep. 15, 2019	Sep. 24, 2019~ Nov. 02, 2019	Sep. 14, 2020	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN3	6.75GHz High Pass	Sep. 16, 2019	Sep. 24, 2019~ Nov. 02, 2019	Sep. 15, 2020	Radiation (03CH11-HY)
<CDD Mode>								
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 19, 2018	Aug. 23, 2019~ Nov. 01, 2019	Dec. 18, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 13, 2018	Aug. 23, 2019~ Nov. 01, 2019	Nov. 12, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	EM	EMSW18	SW1070903	N/A	Dec. 19, 2018	Aug. 23, 2019~ Nov. 01, 2019	Dec. 18, 2019	Conducted (TH05-HY)
<TXBF Mode>								
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 19, 2018	Oct. 11, 2019~ Nov. 04, 2019	Dec. 18, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 13, 2018	Oct. 11, 2019~ Nov. 04, 2019	Nov. 12, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	EM	EMSW18	SW1070903	N/A	Dec. 19, 2018	Oct. 11, 2019~ Nov. 04, 2019	Dec. 18, 2019	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

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

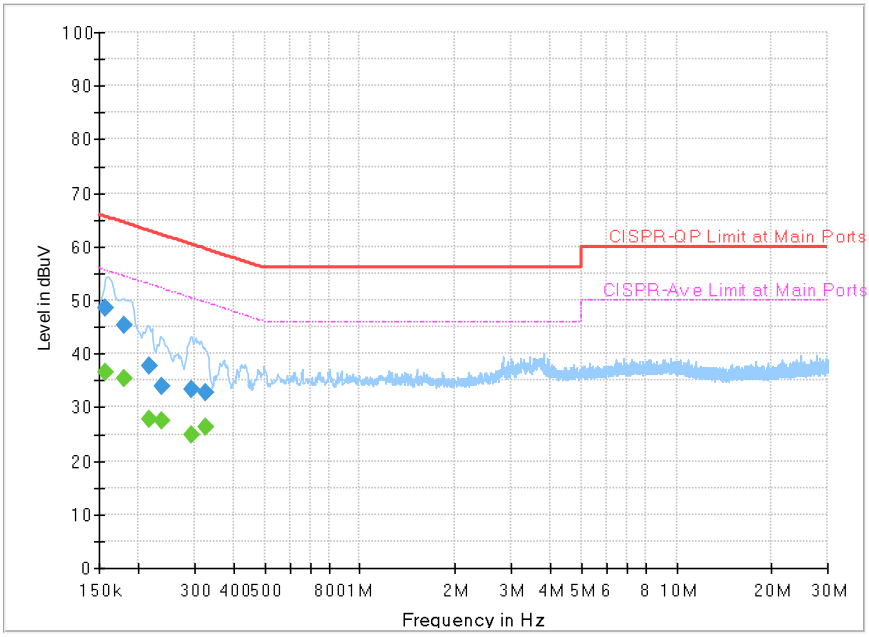
Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

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

Appendix A. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	**Temperature :**	25.9~26.2℃
		Relative Humidity :	41.8~42.7%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line

Full Spectrum

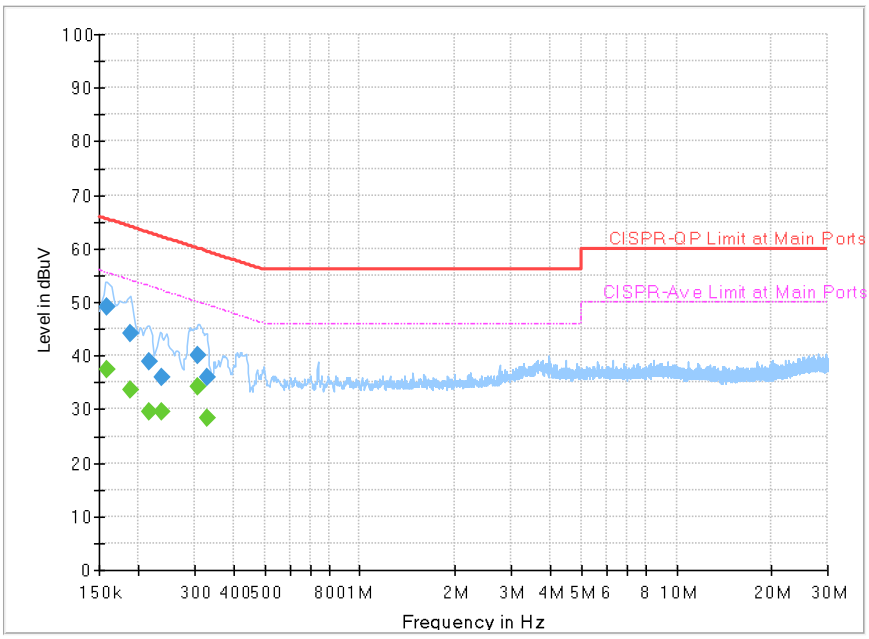


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	36.46	55.63	19.17	L1	OFF	19.4
0.156750	48.40	---	65.63	17.23	L1	OFF	19.4
0.179250	---	35.44	54.52	19.08	L1	OFF	19.4
0.179250	45.38	---	64.52	19.14	L1	OFF	19.4
0.215250	---	27.86	53.00	25.14	L1	OFF	19.4
0.215250	37.65	---	63.00	25.35	L1	OFF	19.4
0.235500	---	27.57	52.25	24.68	L1	OFF	19.4
0.235500	33.94	---	62.25	28.31	L1	OFF	19.4
0.294000	---	24.94	50.41	25.47	L1	OFF	19.4
0.294000	33.43	---	60.41	26.98	L1	OFF	19.4
0.325500	---	26.41	49.57	23.16	L1	OFF	19.4
0.325500	32.86	---	59.57	26.71	L1	OFF	19.4

Test Engineer :	Howard Huang	Temperature :	25.9~26.2℃
		Relative Humidity :	41.8~42.7%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	37.46	55.52	18.06	N	OFF	19.5
0.159000	49.01	---	65.52	16.51	N	OFF	19.5
0.188250	---	33.58	54.11	20.53	N	OFF	19.5
0.188250	44.29	---	64.11	19.82	N	OFF	19.5
0.215250	---	29.54	53.00	23.46	N	OFF	19.5
0.215250	38.99	---	63.00	24.01	N	OFF	19.5
0.237750	---	29.49	52.17	22.68	N	OFF	19.5
0.237750	35.84	---	62.17	26.33	N	OFF	19.5
0.307500	---	34.08	50.04	15.96	N	OFF	19.5
0.307500	40.19	---	60.04	19.85	N	OFF	19.5
0.327750	---	28.50	49.51	21.01	N	OFF	19.5
0.327750	35.86	---	59.51	23.65	N	OFF	19.5

Appendix B. Radiated Spurious Emission

Test Engineer :	Watt Tseng, Cookie Ku, Fu Chen, Troye Hsieh	Temperature :	20.7 ~ 27.9°C
		Relative Humidity :	48.4 ~ 69.4%

<CDD Mode>

<SKU 1>

Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.42	56.23	-17.77	74	47.43	31.89	10.03	33.12	100	297	P	H
		5150	48.29	-5.71	54	39.48	31.9	10.03	33.12	100	297	A	H
	*	5180	113.07	-	-	104.4	31.72	10.07	33.12	100	297	P	H
	*	5180	105.65	-	-	96.98	31.72	10.07	33.12	100	297	A	H
													H
		5139.88	54.79	-19.21	74	46.01	31.88	10.02	33.12	100	297	P	V
		5148.72	47.26	-6.74	54	38.45	31.9	10.03	33.12	100	297	A	V
	*	5180	111.83	-	-	103.16	31.72	10.07	33.12	100	297	P	V
	*	5180	104.41	-	-	95.74	31.72	10.07	33.12	100	297	A	V
													V
802.11a CH 44 5220MHz		5133.12	51.29	-22.71	74	42.52	31.87	10.02	33.12	100	316	P	H
		5145.6	42.78	-11.22	54	33.98	31.89	10.03	33.12	100	316	A	H
	*	5220	113.15	-	-	104.65	31.52	10.1	33.12	100	316	P	H
	*	5220	105.85	-	-	97.35	31.52	10.1	33.12	100	316	A	H
		5438.68	50	-24	74	41.22	31.68	10.21	33.11	100	316	P	H
		5452.99	42.2	-11.8	54	33.37	31.71	10.23	33.11	100	316	A	H
		5090.22	50.72	-23.28	74	42.11	31.76	9.97	33.12	104	284	P	V
		5145.6	42.84	-11.16	54	34.04	31.89	10.03	33.12	104	284	A	V
	*	5220	112.51	-	-	104.01	31.52	10.1	33.12	104	284	P	V
	*	5220	104.8	-	-	96.3	31.52	10.1	33.12	104	284	A	V
		5421.4	49.08	-24.92	74	40.37	31.64	10.18	33.11	104	284	P	V
		5452.72	40.96	-13.04	54	32.13	31.71	10.23	33.11	104	284	A	V

802.11a CH 48 5240MHz		5052.78	51.35	-22.65	74	42.93	31.61	9.93	33.12	100	316	P	H
		5145.6	43.08	-10.92	54	34.28	31.89	10.03	33.12	100	316	A	H
	*	5240	112.89	-	-	104.47	31.44	10.1	33.12	100	316	P	H
	*	5240	105.53	-	-	97.11	31.44	10.1	33.12	100	316	A	H
		5431.66	50.71	-23.29	74	41.96	31.66	10.2	33.11	100	316	P	H
		5452.72	42.88	-11.12	54	34.05	31.71	10.23	33.11	100	316	A	H
		5141.44	52.35	-21.65	74	43.56	31.88	10.03	33.12	107	299	P	V
		5145.6	42.77	-11.23	54	33.97	31.89	10.03	33.12	107	299	A	V
	*	5240	111.53	-	-	103.11	31.44	10.1	33.12	107	299	P	V
	*	5240	103.82	-	-	95.4	31.44	10.1	33.12	107	299	A	V
		5413.3	49.76	-24.24	74	41.07	31.63	10.17	33.11	107	299	P	V
		5452.72	41.09	-12.91	54	32.26	31.71	10.23	33.11	107	299	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.87	-20.33	68.2	55.85	39.54	16.35	63.87	100	0	P	H
		15540	44.86	-29.14	74	47.86	38.3	20.62	61.92	100	0	P	H
													H
													H
		10360	47.25	-20.95	68.2	55.23	39.54	16.35	63.87	100	0	P	V
		15540	44.57	-29.43	74	47.57	38.3	20.62	61.92	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	49.33	-18.87	68.2	57	39.7	16.4	63.77	100	0	P	H
		15660	43.89	-30.11	74	47.55	37.7	20.6	61.96	100	0	P	H
													H
													H
		10440	49.04	-19.16	68.2	56.71	39.7	16.4	63.77	100	0	P	V
		15660	45.16	-28.84	74	48.82	37.7	20.6	61.96	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	48.19	-20.01	68.2	55.78	39.7	16.43	63.72	100	0	P	H
		15720	43.83	-30.17	74	47.72	37.52	20.58	61.99	100	0	P	H
													H
													H
		10480	48.64	-19.56	68.2	56.23	39.7	16.43	63.72	100	0	P	V
		15720	44.07	-29.93	74	47.96	37.52	20.58	61.99	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.6	55.5	-18.5	74	46.7	31.89	10.03	33.12	100	317	P	H
		5150	47.72	-6.28	54	38.91	31.9	10.03	33.12	100	317	A	H
	*	5180	112.89	-	-	104.22	31.72	10.07	33.12	100	317	P	H
	*	5180	105.56	-	-	96.89	31.72	10.07	33.12	100	317	A	H
802.11ac													H
VHT20													H
CH 36		5149.24	55.91	-18.09	74	47.1	31.9	10.03	33.12	103	295	P	V
5180MHz		5149.5	47.03	-6.97	54	38.22	31.9	10.03	33.12	103	295	A	V
	*	5180	112.1	-	-	103.43	31.72	10.07	33.12	103	295	P	V
	*	5180	104.61	-	-	95.94	31.72	10.07	33.12	103	295	A	V
													V
													V
		5146.12	51.39	-22.61	74	42.59	31.89	10.03	33.12	100	317	P	H
		5145.6	43.69	-10.31	54	34.89	31.89	10.03	33.12	100	317	A	H
	*	5220	113.17	-	-	104.67	31.52	10.1	33.12	100	317	P	H
	*	5220	105.7	-	-	97.2	31.52	10.1	33.12	100	317	A	H
802.11ac		5429.5	50.38	-23.62	74	41.63	31.66	10.2	33.11	100	317	P	H
VHT20		5452.99	42.78	-11.22	54	33.95	31.71	10.23	33.11	100	317	A	H
CH 44		5040.04	51.54	-22.46	74	43.19	31.56	9.91	33.12	100	296	P	V
5220MHz		5145.6	43	-11	54	34.2	31.89	10.03	33.12	100	296	A	V
	*	5220	111.7	-	-	103.2	31.52	10.1	33.12	100	296	P	V
	*	5220	104.4	-	-	95.9	31.52	10.1	33.12	100	296	A	V
		5436.25	49.44	-24.56	74	40.67	31.67	10.21	33.11	100	296	P	V
		5376.04	40.81	-13.19	54	32.32	31.46	10.14	33.11	100	296	A	V

		5143	51.91	-22.09	74	43.11	31.89	10.03	33.12	100	316	P	H
		5145.6	42.96	-11.04	54	34.16	31.89	10.03	33.12	100	316	A	H
	*	5240	113	-	-	104.58	31.44	10.1	33.12	100	316	P	H
	*	5240	105.41	-	-	96.99	31.44	10.1	33.12	100	316	A	H
802.11ac		5431.66	49.93	-24.07	74	41.18	31.66	10.2	33.11	100	316	P	H
VHT20		5452.72	42.63	-11.37	54	33.8	31.71	10.23	33.11	100	316	A	H
CH 48		5079.3	51.03	-22.97	74	42.47	31.72	9.96	33.12	100	283	P	V
5240MHz		5145.6	42.45	-11.55	54	33.65	31.89	10.03	33.12	100	283	A	V
	*	5240	111.62	-	-	103.2	31.44	10.1	33.12	100	283	P	V
	*	5240	104.05	-	-	95.63	31.44	10.1	33.12	100	283	A	V
		5450.56	49	-25	74	40.18	31.7	10.23	33.11	100	283	P	V
		5452.99	41.13	-12.87	54	32.3	31.71	10.23	33.11	100	283	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	47.01	-21.19	68.2	54.99	39.54	16.35	63.87	100	0	P	H
		15540	44.93	-29.07	74	47.93	38.3	20.62	61.92	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	48.2	-20	68.2	56.18	39.54	16.35	63.87	100	0	P	V
5180MHz		15540	44.94	-29.06	74	47.94	38.3	20.62	61.92	100	0	P	V
													V
													V
		10440	50.1	-18.1	68.2	57.77	39.7	16.4	63.77	100	0	P	H
		15660	44.41	-29.59	74	48.07	37.7	20.6	61.96	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	48.76	-19.44	68.2	56.43	39.7	16.4	63.77	100	0	P	V
5220MHz		15660	45.85	-28.15	74	49.51	37.7	20.6	61.96	100	0	P	V
													V
													V
		10480	47.34	-20.86	68.2	54.93	39.7	16.43	63.72	100	0	P	H
		15720	46	-28	74	49.89	37.52	20.58	61.99	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	46.84	-21.36	68.2	54.43	39.7	16.43	63.72	100	0	P	V
5240MHz		15720	44.69	-29.31	74	48.58	37.52	20.58	61.99	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5144.56	57.2	-16.8	74	48.4	31.89	10.03	33.12	100	317	P	H
		5149.76	50.62	-3.38	54	41.81	31.9	10.03	33.12	100	317	A	H
	*	5190	109.39	-	-	100.77	31.66	10.08	33.12	100	317	P	H
	*	5190	101.65	-	-	93.03	31.66	10.08	33.12	100	317	A	H
802.11ac		5365.36	50.23	-23.77	74	41.81	31.39	10.14	33.11	100	317	P	H
VHT40		5453	43.04	-10.96	54	34.21	31.71	10.23	33.11	100	317	A	H
CH 38		5147.16	55.7	-18.3	74	46.9	31.89	10.03	33.12	100	295	P	V
5190MHz		5148.72	49.73	-4.27	54	40.92	31.9	10.03	33.12	100	295	A	V
	*	5190	108.93	-	-	100.31	31.66	10.08	33.12	100	295	P	V
	*	5190	101.03	-	-	92.41	31.66	10.08	33.12	100	295	A	V
		5366.76	49.22	-24.78	74	40.79	31.4	10.14	33.11	100	295	P	V
		5376	41.74	-12.26	54	33.25	31.46	10.14	33.11	100	295	A	V
		5148.98	54.97	-19.03	74	46.16	31.9	10.03	33.12	100	317	P	H
		5149.5	47.53	-6.47	54	38.72	31.9	10.03	33.12	100	317	A	H
	*	5230	111.18	-	-	102.72	31.48	10.1	33.12	100	317	P	H
	*	5230	103.09	-	-	94.63	31.48	10.1	33.12	100	317	A	H
802.11ac		5452.72	50.46	-23.54	74	41.63	31.71	10.23	33.11	100	317	P	H
VHT40		5452.72	43.45	-10.55	54	34.62	31.71	10.23	33.11	100	317	A	H
CH 46		5145.86	57.66	-16.34	74	48.86	31.89	10.03	33.12	100	284	P	V
5230MHz		5149.76	50.82	-3.18	54	42.01	31.9	10.03	33.12	100	284	A	V
	*	5230	109.64	-	-	101.18	31.48	10.1	33.12	100	284	P	V
	*	5230	101.42	-	-	92.96	31.48	10.1	33.12	100	284	A	V
		5363.4	49.27	-24.73	74	40.86	31.38	10.14	33.11	100	284	P	V
		5452.72	41.59	-12.41	54	32.76	31.71	10.23	33.11	100	284	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	46.75	-21.45	68.2	54.6	39.62	16.37	63.84	100	0	P	H
		15570	45.75	-28.25	74	48.91	38.15	20.62	61.93	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	47.27	-20.93	68.2	55.12	39.62	16.37	63.84	100	0	P	V
5190MHz		15570	44.91	-29.09	74	48.07	38.15	20.62	61.93	100	0	P	V
													V
													V
		10460	46.8	-21.4	68.2	54.43	39.7	16.42	63.75	100	0	P	H
		15690	45.05	-28.95	74	48.89	37.55	20.59	61.98	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	46.64	-21.56	68.2	54.27	39.7	16.42	63.75	100	0	P	V
5230MHz		15690	44.91	-29.09	74	48.75	37.55	20.59	61.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5144.84	56.87	-17.13	74	48.07	31.89	10.03	33.12	106	317	P	H
		5144.84	49.34	-4.66	54	40.54	31.89	10.03	33.12	106	317	A	H
	*	5210	104.71	-	-	96.18	31.56	10.09	33.12	106	317	P	H
	*	5210	97.19	-	-	88.66	31.56	10.09	33.12	106	317	A	H
802.11ac		5438.16	50.32	-23.68	74	41.54	31.68	10.21	33.11	106	317	P	H
VHT80		5452.72	42.51	-11.49	54	33.68	31.71	10.23	33.11	106	317	A	H
CH 42		5144.5	56.55	-17.45	74	47.75	31.89	10.03	33.12	100	297	P	V
5210MHz		5149.94	48.88	-5.12	54	40.07	31.9	10.03	33.12	100	297	A	V
	*	5210	103.77	-	-	95.24	31.56	10.09	33.12	100	297	P	V
	*	5210	95.99	-	-	87.46	31.56	10.09	33.12	100	297	A	V
		5453.24	49.49	-24.51	74	40.66	31.71	10.23	33.11	100	297	P	V
		5452.72	40.82	-13.18	54	31.99	31.71	10.23	33.11	100	297	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	48.97	-19.23	68.2	56.68	39.7	16.39	63.8	100	0	P	H
		15630	47.14	-26.86	74	50.64	37.85	20.6	61.95	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.32	-19.88	68.2	56.03	39.7	16.39	63.8	100	0	P	V
5210MHz		15630	46.25	-27.75	74	49.75	37.85	20.6	61.95	100	0	P	V
													V
													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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5009.18	50.23	-23.77	74	42.03	31.44	9.88	33.12	107	318	P	H
		5145.86	42.5	-11.5	54	33.7	31.89	10.03	33.12	107	318	A	H
	*	5260	112.17	-	-	103.79	31.38	10.11	33.11	107	318	P	H
	*	5260	104.7	-	-	96.32	31.38	10.11	33.11	107	318	A	H
		5364	51.05	-22.95	74	42.64	31.38	10.14	33.11	107	318	P	H
		5452.8	42.93	-11.07	54	34.1	31.71	10.23	33.11	107	318	A	H
		5139.4	51	-23	74	42.22	31.88	10.02	33.12	104	298	P	V
		5145.52	42.38	-11.62	54	33.58	31.89	10.03	33.12	104	298	A	V
	*	5260	110.53	-	-	102.15	31.38	10.11	33.11	104	298	P	V
	*	5260	103.08	-	-	94.7	31.38	10.11	33.11	104	298	A	V
		5406.72	49.84	-24.16	74	41.18	31.61	10.16	33.11	104	298	P	V
		5452.8	41.05	-12.95	54	32.22	31.71	10.23	33.11	104	298	A	V
802.11a CH 60 5300MHz		5146.54	50.27	-23.73	74	41.47	31.89	10.03	33.12	101	314	P	H
		5145.52	42.53	-11.47	54	33.73	31.89	10.03	33.12	101	314	A	H
	*	5300	111.62	-	-	103.31	31.3	10.12	33.11	101	314	P	H
	*	5300	104.22	-	-	95.91	31.3	10.12	33.11	101	314	A	H
		5351.52	54.27	-19.73	74	45.93	31.31	10.14	33.11	101	314	P	H
		5353.2	45.15	-8.85	54	36.8	31.32	10.14	33.11	101	314	A	H
		5148.58	50.72	-23.28	74	41.91	31.9	10.03	33.12	103	299	P	V
		5145.52	42.35	-11.65	54	33.55	31.89	10.03	33.12	103	299	A	V
	*	5300	110.75	-	-	102.44	31.3	10.12	33.11	103	299	P	V
	*	5300	102.98	-	-	94.67	31.3	10.12	33.11	103	299	A	V
		5350.32	52.11	-21.89	74	43.78	31.3	10.14	33.11	103	299	P	V
		5350.08	43.7	-10.3	54	35.37	31.3	10.14	33.11	103	299	A	V

802.11a CH 64 5320MHz	*	5320	111.75	-	-	103.43	31.3	10.13	33.11	115	318	P	H
	*	5320	104.21	-	-	95.89	31.3	10.13	33.11	115	318	A	H
		5355.04	55.79	-18.21	74	47.43	31.33	10.14	33.11	115	318	P	H
		5351.84	45.48	-8.52	54	37.14	31.31	10.14	33.11	115	318	A	H
													H
													H
	*	5320	110.34	-	-	102.02	31.3	10.13	33.11	100	299	P	V
	*	5320	102.65	-	-	94.33	31.3	10.13	33.11	100	299	A	V
		5352.64	52.61	-21.39	74	44.26	31.32	10.14	33.11	100	299	P	V
		5350.08	43.8	-10.2	54	35.47	31.3	10.14	33.11	100	299	A	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	49.56	-18.64	68.2	57.09	39.7	16.46	63.69	100	0	P	H
		15780	44.73	-29.27	74	48.59	37.58	20.57	62.01	100	0	P	H
													H
													H
		10520	49.06	-19.14	68.2	56.59	39.7	16.46	63.69	100	0	P	V
		15780	44.2	-29.8	74	48.06	37.58	20.57	62.01	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	46.56	-27.44	74	53.99	39.7	16.51	63.64	100	0	P	H
		15900	43.81	-30.19	74	48.13	37.2	20.54	62.06	100	0	P	H
													H
													H
		10600	47.14	-26.86	74	54.57	39.7	16.51	63.64	100	0	P	V
		15900	43.47	-30.53	74	47.79	37.2	20.54	62.06	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	48.08	-25.92	74	55.5	39.66	16.54	63.62	100	0	P	H
		15960	43.59	-30.41	74	48.12	37.02	20.53	62.08	100	0	P	H
													H
													H
		10640	48.6	-25.4	74	56.02	39.66	16.54	63.62	100	0	P	V
		15960	44.77	-29.23	74	49.3	37.02	20.53	62.08	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5061.2	51.4	-22.6	74	42.94	31.64	9.94	33.12	107	317	P	H
		5145.52	42.88	-11.12	54	34.08	31.89	10.03	33.12	107	317	A	H
	*	5260	112.68	-	-	104.3	31.38	10.11	33.11	107	317	P	H
	*	5260	104.77	-	-	96.39	31.38	10.11	33.11	107	317	A	H
802.11ac		5351.52	52.14	-21.86	74	43.8	31.31	10.14	33.11	107	317	P	H
VHT20		5452.8	42.52	-11.48	54	33.69	31.71	10.23	33.11	107	317	A	H
CH 52		5101.66	50.67	-23.33	74	42.01	31.8	9.98	33.12	107	299	P	V
5260MHz		5145.52	42.25	-11.75	54	33.45	31.89	10.03	33.12	107	299	A	V
	*	5260	110.57	-	-	102.19	31.38	10.11	33.11	107	299	P	V
	*	5260	103.07	-	-	94.69	31.38	10.11	33.11	107	299	A	V
		5456.4	50.7	-23.3	74	41.84	31.73	10.24	33.11	107	299	P	V
		5376	41.01	-12.99	54	32.52	31.46	10.14	33.11	107	299	A	V
		5074.8	50.37	-23.63	74	41.84	31.7	9.95	33.12	100	314	P	H
		5145.52	42.52	-11.48	54	33.72	31.89	10.03	33.12	100	314	A	H
	*	5300	112.29	-	-	103.98	31.3	10.12	33.11	100	314	P	H
	*	5300	103.99	-	-	95.68	31.3	10.12	33.11	100	314	A	H
802.11ac		5357.76	54.49	-19.51	74	46.11	31.35	10.14	33.11	100	314	P	H
VHT20		5352.48	45.06	-8.94	54	36.72	31.31	10.14	33.11	100	314	A	H
CH 60		5070.72	49.67	-24.33	74	41.16	31.68	9.95	33.12	100	297	P	V
5300MHz		5145.52	42.29	-11.71	54	33.49	31.89	10.03	33.12	100	297	A	V
	*	5300	110.49	-	-	102.18	31.3	10.12	33.11	100	297	P	V
	*	5300	102.91	-	-	94.6	31.3	10.12	33.11	100	297	A	V
		5351.76	51.5	-22.5	74	43.16	31.31	10.14	33.11	100	297	P	V
		5350.56	43.28	-10.72	54	34.95	31.3	10.14	33.11	100	297	A	V

	*	5320	112.15	-	-	103.83	31.3	10.13	33.11	115	318	P	H
	*	5320	104.18	-	-	95.86	31.3	10.13	33.11	115	318	A	H
		5352.16	57.45	-16.55	74	49.11	31.31	10.14	33.11	115	318	P	H
		5351.2	47.84	-6.16	54	39.5	31.31	10.14	33.11	115	318	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	110.41	-	-	102.09	31.3	10.13	33.11	100	299	P	V
5320MHz	*	5320	102.7	-	-	94.38	31.3	10.13	33.11	100	299	A	V
		5352.48	55.25	-18.75	74	46.91	31.31	10.14	33.11	100	299	P	V
		5350.72	45.94	-8.06	54	37.61	31.3	10.14	33.11	100	299	A	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	47.87	-20.33	68.2	55.4	39.7	16.46	63.69	100	0	P	H
		15780	45.47	-28.53	74	49.33	37.58	20.57	62.01	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	48.11	-20.09	68.2	55.64	39.7	16.46	63.69	100	0	P	V
5260MHz		15780	45.43	-28.57	74	49.29	37.58	20.57	62.01	100	0	P	V
													V
													V
		10600	46.5	-27.5	74	53.93	39.7	16.51	63.64	100	0	P	H
		15900	43.95	-30.05	74	48.27	37.2	20.54	62.06	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	46.47	-27.53	74	53.9	39.7	16.51	63.64	100	0	P	V
5300MHz		15900	43.94	-30.06	74	48.26	37.2	20.54	62.06	100	0	P	V
													V
													V
		10640	48.79	-25.21	74	56.21	39.66	16.54	63.62	100	0	P	H
		15960	43.77	-30.23	74	48.3	37.02	20.53	62.08	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	49.75	-24.25	74	57.17	39.66	16.54	63.62	100	0	P	V
5320MHz		15960	43.42	-30.58	74	47.95	37.02	20.53	62.08	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 54 5270MHz		5146.88	51.27	-22.73	74	42.47	31.89	10.03	33.12	100	316	P	H
		5145.52	43.83	-10.17	54	35.03	31.89	10.03	33.12	100	316	A	H
	*	5270	110.88	-	-	102.52	31.36	10.11	33.11	100	316	P	H
	*	5270	102.94	-	-	94.58	31.36	10.11	33.11	100	316	A	H
		5351.04	54.28	-19.72	74	45.94	31.31	10.14	33.11	100	316	P	H
		5350.08	46.64	-7.36	54	38.31	31.3	10.14	33.11	100	316	A	H
		5063.24	50.93	-23.07	74	42.46	31.65	9.94	33.12	100	296	P	V
		5145.52	43.26	-10.74	54	34.46	31.89	10.03	33.12	100	296	A	V
	*	5270	109.22	-	-	100.86	31.36	10.11	33.11	100	296	P	V
	*	5270	101.11	-	-	92.75	31.36	10.11	33.11	100	296	A	V
		5352.72	52.9	-21.1	74	44.55	31.32	10.14	33.11	100	296	P	V
		5350.56	45.08	-8.92	54	36.75	31.3	10.14	33.11	100	296	A	V
802.11ac VHT40 CH 62 5310MHz		5145.86	50.7	-23.3	74	41.9	31.89	10.03	33.12	112	317	P	H
		5145.52	42.89	-11.11	54	34.09	31.89	10.03	33.12	112	317	A	H
	*	5310	110.43	-	-	102.12	31.3	10.12	33.11	112	317	P	H
	*	5310	102.41	-	-	94.1	31.3	10.12	33.11	112	317	A	H
		5352	59.99	-14.01	74	51.65	31.31	10.14	33.11	112	317	P	H
		5350.08	52.66	-1.34	54	44.33	31.3	10.14	33.11	112	317	A	H
		5064.6	49.93	-24.07	74	41.45	31.66	9.94	33.12	100	299	P	V
		5145.86	42.94	-11.06	54	34.14	31.89	10.03	33.12	100	299	A	V
	*	5310	108.66	-	-	100.35	31.3	10.12	33.11	100	299	P	V
	*	5310	100.85	-	-	92.54	31.3	10.12	33.11	100	299	A	V
		5352	59.61	-14.39	74	51.27	31.31	10.14	33.11	100	299	P	V
		5350.32	51.05	-2.95	54	42.72	31.3	10.14	33.11	100	299	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	48.55	-19.65	68.2	56.06	39.7	16.47	63.68	100	0	P	H
		15810	45.16	-28.84	74	49.06	37.56	20.56	62.02	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	48.03	-20.17	68.2	55.54	39.7	16.47	63.68	100	0	P	V
5270MHz		15810	44.37	-29.63	74	48.27	37.56	20.56	62.02	100	0	P	V
													V
													V
		10620	47.49	-26.51	74	54.92	39.68	16.52	63.63	100	0	P	H
		15930	44.14	-29.86	74	48.56	37.11	20.54	62.07	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	48.01	-25.99	74	55.44	39.68	16.52	63.63	100	0	P	V
5310MHz		15930	43.94	-30.06	74	48.36	37.11	20.54	62.07	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5138.3	51.44	-22.56	74	42.66	31.88	10.02	33.12	100	318	P	H
		5145.5	42.88	-11.12	54	34.08	31.89	10.03	33.12	100	318	A	H
	*	5290	105.04	-	-	96.71	31.32	10.12	33.11	100	318	P	H
	*	5290	97.38	-	-	89.05	31.32	10.12	33.11	100	318	A	H
802.11ac		5350.08	59.98	-14.02	74	51.65	31.3	10.14	33.11	100	318	P	H
VHT80		5350.56	51.85	-2.15	54	43.52	31.3	10.14	33.11	100	318	A	H
CH 58		5145.2	50.17	-23.83	74	41.37	31.89	10.03	33.12	100	300	P	V
5290MHz		5145.5	41.98	-12.02	54	33.18	31.89	10.03	33.12	100	300	A	V
	*	5290	103.29	-	-	94.96	31.32	10.12	33.11	100	300	P	V
	*	5290	95.79	-	-	87.46	31.32	10.12	33.11	100	300	A	V
		5361.12	57.09	-16.91	74	48.69	31.37	10.14	33.11	100	300	P	V
		5350.08	49.33	-4.67	54	41	31.3	10.14	33.11	100	300	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	47.94	-20.26	68.2	55.39	39.7	16.5	63.65	100	0	P	H
		15870	46.07	-27.93	74	50.25	37.32	20.55	62.05	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.94	-21.26	68.2	54.39	39.7	16.5	63.65	100	0	P	V
5290MHz		15870	46.19	-27.81	74	50.37	37.32	20.55	62.05	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5458.96	54.14	-19.86	74	45.27	31.74	10.24	33.11	100	297	P	H
		5469.2	55.8	-12.4	68.2	46.87	31.78	10.26	33.11	100	297	P	H
		5452.72	46.21	-7.79	54	37.38	31.71	10.23	33.11	100	297	A	H
	*	5500	113.64	-	-	104.54	31.9	10.31	33.11	100	297	P	H
	*	5500	105.94	-	-	96.84	31.9	10.31	33.11	100	297	A	H
													H
		5455.92	52.62	-21.38	74	43.77	31.72	10.24	33.11	100	300	P	V
		5465.2	53.02	-15.18	68.2	44.12	31.76	10.25	33.11	100	300	P	V
		5452.88	43.33	-10.67	54	34.5	31.71	10.23	33.11	100	300	A	V
	*	5500	108.57	-	-	99.47	31.9	10.31	33.11	100	300	P	V
	*	5500	101.18	-	-	92.08	31.9	10.31	33.11	100	300	A	V
													V
802.11a CH 116 5580MHz		5452.96	50.31	-23.69	74	41.48	31.71	10.23	33.11	101	321	P	H
		5469.04	49.48	-18.72	68.2	40.55	31.78	10.26	33.11	101	321	P	H
		5452.96	42.34	-11.66	54	33.51	31.71	10.23	33.11	101	321	A	H
	*	5580	114.04	-	-	104.95	31.8	10.43	33.14	101	321	P	H
	*	5580	106.74	-	-	97.65	31.8	10.43	33.14	101	321	A	H
		5759.015	50.36	-17.84	68.2	40.88	32.12	10.55	33.19	101	321	P	H
		5434.96	48.91	-25.09	74	40.15	31.67	10.2	33.11	100	303	P	V
		5460	48.62	-19.58	68.2	39.75	31.74	10.24	33.11	100	303	P	V
		5452.72	40.86	-13.14	54	32.03	31.71	10.23	33.11	100	303	A	V
	*	5580	108.65	-	-	99.56	31.8	10.43	33.14	100	303	P	V
	*	5580	101.34	-	-	92.25	31.8	10.43	33.14	100	303	A	V
		5747.045	49.85	-18.35	68.2	40.41	32.09	10.54	33.19	100	303	P	V

802.11a CH 140 5700MHz	*	5700	112.42	-	-	103.08	32	10.51	33.17	100	296	P	H
	*	5700	104.79	-	-	95.45	32	10.51	33.17	100	296	A	H
		5725.32	56.8	-11.4	68.2	47.4	32.05	10.53	33.18	100	296	P	H
													H
													H
													H
	*	5700	106.84	-	-	97.5	32	10.51	33.17	106	302	P	V
	*	5700	99.31	-	-	89.97	32	10.51	33.17	106	302	A	V
		5749.56	52.69	-15.51	68.2	43.24	32.1	10.54	33.19	106	302	P	V
													V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.49	-26.51	74	54.13	40	16.76	63.4	100	0	P	H
		16500	45.94	-22.26	68.2	48.35	38.7	21.19	62.3	100	0	P	H
													H
													H
		11000	47.18	-26.82	74	53.82	40	16.76	63.4	100	0	P	V
		16500	45.34	-22.86	68.2	47.75	38.7	21.19	62.3	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.01	-25.99	74	54.97	39.48	16.99	63.43	100	0	P	H
		16740	48.06	-20.14	68.2	49.15	39.56	21.51	62.16	100	0	P	H
													H
													H
		11160	48.04	-25.96	74	55	39.48	16.99	63.43	100	0	P	V
		16740	47.38	-20.82	68.2	48.47	39.56	21.51	62.16	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.19	-26.81	74	53.63	39.7	17.34	63.48	100	0	P	H
		17100	48.55	-19.65	68.2	48.36	40.1	21.95	61.86	100	0	P	H
													H
													H
		11400	47.2	-26.8	74	53.64	39.7	17.34	63.48	100	0	P	V
		17100	48.84	-19.36	68.2	48.65	40.1	21.95	61.86	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.16	54.56	-19.44	74	45.7	31.73	10.24	33.11	114	317	P	H
		5468.4	56.61	-11.59	68.2	47.69	31.77	10.26	33.11	114	317	P	H
		5458.16	45.43	-8.57	54	36.57	31.73	10.24	33.11	114	317	A	H
	*	5500	112.97	-	-	103.87	31.9	10.31	33.11	114	317	P	H
802.11ac	*	5500	105.36	-	-	96.26	31.9	10.31	33.11	114	317	A	H
VHT20													H
CH 100		5458.32	52.24	-21.76	74	43.38	31.73	10.24	33.11	100	300	P	V
5500MHz		5464.08	52.68	-15.52	68.2	43.78	31.76	10.25	33.11	100	300	P	V
		5453.04	42.68	-11.32	54	33.85	31.71	10.23	33.11	100	300	A	V
	*	5500	107.72	-	-	98.62	31.9	10.31	33.11	100	300	P	V
	*	5500	100.32	-	-	91.22	31.9	10.31	33.11	100	300	A	V
													V
		5455.36	50.02	-23.98	74	41.17	31.72	10.24	33.11	100	320	P	H
		5468.32	50.18	-18.02	68.2	41.26	31.77	10.26	33.11	100	320	P	H
		5452.72	42.5	-11.5	54	33.67	31.71	10.23	33.11	100	320	A	H
	*	5580	113.78	-	-	104.69	31.8	10.43	33.14	100	320	P	H
802.11ac	*	5580	106.09	-	-	97	31.8	10.43	33.14	100	320	A	H
VHT20		5756.18	49.97	-18.23	68.2	40.5	32.11	10.55	33.19	100	320	P	H
CH 116		5408.8	49.48	-24.52	74	40.81	31.62	10.16	33.11	100	303	P	V
5580MHz		5461.6	49.33	-18.87	68.2	40.44	31.75	10.25	33.11	100	303	P	V
		5452.72	40.9	-13.1	54	32.07	31.71	10.23	33.11	100	303	A	V
	*	5580	108.34	-	-	99.25	31.8	10.43	33.14	100	303	P	V
	*	5580	100.73	-	-	91.64	31.8	10.43	33.14	100	303	A	V
		5754.29	50.45	-17.75	68.2	40.99	32.11	10.54	33.19	100	303	P	V

	*	5700	112.67	-	-	103.33	32	10.51	33.17	102	300	P	H
	*	5700	104.96	-	-	95.62	32	10.51	33.17	102	300	A	H
		5751.48	57.33	-10.87	68.2	47.88	32.1	10.54	33.19	102	300	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	107.23	-	-	97.89	32	10.51	33.17	105	303	P	V
5700MHz	*	5700	99.59	-	-	90.25	32	10.51	33.17	105	303	A	V
		5761.72	52.49	-15.71	68.2	43.01	32.12	10.55	33.19	105	303	P	V
													V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.64	-27.36	74	53.28	40	16.76	63.4	100	0	P	H
		16500	46.39	-21.81	68.2	48.8	38.7	21.19	62.3	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	46.57	-27.43	74	53.21	40	16.76	63.4	100	0	P	V
5500MHz		16500	46.73	-21.47	68.2	49.14	38.7	21.19	62.3	100	0	P	V
													V
													V
		11160	47.85	-26.15	74	54.81	39.48	16.99	63.43	100	0	P	H
		16740	47.31	-20.89	68.2	48.4	39.56	21.51	62.16	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	47.93	-26.07	74	54.89	39.48	16.99	63.43	100	0	P	V
5580MHz		16740	47.52	-20.68	68.2	48.61	39.56	21.51	62.16	100	0	P	V
													V
													V
		11400	46.51	-27.49	74	52.95	39.7	17.34	63.48	100	0	P	H
		17100	48.35	-19.85	68.2	48.16	40.1	21.95	61.86	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	46.9	-27.1	74	53.34	39.7	17.34	63.48	100	0	P	V
5700MHz		17100	48.66	-19.54	68.2	48.47	40.1	21.95	61.86	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.68	56.08	-17.92	74	47.21	31.74	10.24	33.11	100	320	P	H
		5466.88	58.56	-9.64	68.2	49.65	31.77	10.25	33.11	100	320	P	H
		5458.48	48.25	-5.75	54	39.39	31.73	10.24	33.11	100	320	A	H
	*	5510	111.87	-	-	102.78	31.88	10.32	33.11	100	320	P	H
802.11ac	*	5510	103.31	-	-	94.22	31.88	10.32	33.11	100	320	A	H
VHT40		5752.715	50.31	-17.89	68.2	40.85	32.11	10.54	33.19	100	320	P	H
CH 102		5455.6	53.22	-20.78	74	44.37	31.72	10.24	33.11	100	294	P	V
5510MHz		5464	53.71	-14.49	68.2	44.81	31.76	10.25	33.11	100	294	P	V
		5458.24	44.96	-9.04	54	36.1	31.73	10.24	33.11	100	294	A	V
	*	5510	106.53	-	-	97.44	31.88	10.32	33.11	100	294	P	V
	*	5510	98.21	-	-	89.12	31.88	10.32	33.11	100	294	A	V
		5736.965	50.38	-17.82	68.2	40.96	32.07	10.54	33.19	100	294	P	V
		5458	51.57	-22.43	74	42.71	31.73	10.24	33.11	117	321	P	H
		5469.52	53.21	-14.99	68.2	44.28	31.78	10.26	33.11	117	321	P	H
		5452.72	44.21	-9.79	54	35.38	31.71	10.23	33.11	117	321	A	H
	*	5550	111.67	-	-	102.62	31.8	10.38	33.13	117	321	P	H
802.11ac	*	5550	103.56	-	-	94.51	31.8	10.38	33.13	117	321	A	H
VHT40		5755.55	50.04	-18.16	68.2	40.57	32.11	10.55	33.19	117	321	P	H
CH 110		5425.6	49.88	-24.12	74	41.15	31.65	10.19	33.11	100	239	P	V
5550MHz		5467.12	51.28	-16.92	68.2	42.37	31.77	10.25	33.11	100	239	P	V
		5453.2	42.34	-11.66	54	33.51	31.71	10.23	33.11	100	239	A	V
	*	5550	106.69	-	-	97.64	31.8	10.38	33.13	100	239	P	V
	*	5550	98.72	-	-	89.67	31.8	10.38	33.13	100	239	A	V
		5760.59	49.89	-18.31	68.2	40.41	32.12	10.55	33.19	100	239	P	V

		5452.9	49.39	-24.61	74	40.56	31.71	10.23	33.11	100	299	P	H
		5463.05	48.52	-19.68	68.2	39.63	31.75	10.25	33.11	100	299	P	H
		5452.9	41.63	-12.37	54	32.8	31.71	10.23	33.11	100	299	A	H
	*	5670	110.02	-	-	100.86	31.82	10.5	33.16	100	299	P	H
802.11ac	*	5670	102.1	-	-	92.94	31.82	10.5	33.16	100	299	A	H
VHT40		5739.975	58.09	-10.11	68.2	48.66	32.08	10.54	33.19	100	299	P	H
CH 134		5376.95	48.61	-25.39	74	40.12	31.46	10.14	33.11	100	300	P	V
5670MHz		5461.65	47.78	-20.42	68.2	38.89	31.75	10.25	33.11	100	300	P	V
		5452.9	40.22	-13.78	54	31.39	31.71	10.23	33.11	100	300	A	V
	*	5670	105.2	-	-	96.04	31.82	10.5	33.16	100	300	P	V
	*	5670	97.29	-	-	88.13	31.82	10.5	33.16	100	300	A	V
		5741.725	52.26	-15.94	68.2	42.83	32.08	10.54	33.19	100	300	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.84	-26.16	74	54.53	39.92	16.79	63.4	100	0	P	H
		16530	46.48	-21.72	68.2	48.77	38.76	21.23	62.28	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	47.01	-26.99	74	53.7	39.92	16.79	63.4	100	0	P	V
5510MHz		16530	46.08	-22.12	68.2	48.37	38.76	21.23	62.28	100	0	P	V
													V
													V
		11100	45.43	-28.57	74	52.34	39.6	16.91	63.42	100	0	P	H
		16650	46.51	-21.69	68.2	48.28	39.05	21.39	62.21	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	46.17	-27.83	74	53.08	39.6	16.91	63.42	100	0	P	V
5550MHz		16650	46.34	-21.86	68.2	48.11	39.05	21.39	62.21	100	0	P	V
													V
													V
		11340	46.87	-27.13	74	53.5	39.58	17.26	63.47	100	0	P	H
		17010	47.74	-20.46	68.2	47.85	40.01	21.87	61.99	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	46.48	-27.52	74	53.11	39.58	17.26	63.47	100	0	P	V
5670MHz		17010	47.19	-21.01	68.2	47.3	40.01	21.87	61.99	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.72	57.78	-16.22	74	48.92	31.73	10.24	33.11	103	298	P	H
		5467.6	58.56	-9.64	68.2	49.65	31.77	10.25	33.11	103	298	P	H
		5459.92	48.9	-5.1	54	40.03	31.74	10.24	33.11	103	298	A	H
	*	5530	107.98	-	-	98.91	31.84	10.35	33.12	103	298	P	H
802.11ac	*	5530	100.03	-	-	90.96	31.84	10.35	33.12	103	298	A	H
VHT80		5733.5	49.94	-18.26	68.2	40.52	32.07	10.53	33.18	103	298	P	H
CH 106		5453.44	52.1	-21.9	74	43.27	31.71	10.23	33.11	103	238	P	V
5530MHz		5467.12	53.33	-14.87	68.2	44.42	31.77	10.25	33.11	103	238	P	V
		5459.44	44.15	-9.85	54	35.28	31.74	10.24	33.11	103	238	A	V
	*	5530	102.54	-	-	93.47	31.84	10.35	33.12	103	238	P	V
	*	5530	95.08	-	-	86.01	31.84	10.35	33.12	103	238	A	V
		5765	48.42	-19.78	68.2	38.93	32.13	10.55	33.19	103	238	P	V
		5392.7	50.17	-23.83	74	41.57	31.56	10.15	33.11	100	322	P	H
		5461.65	49.91	-18.29	68.2	41.02	31.75	10.25	33.11	100	322	P	H
		5452.9	42.87	-11.13	54	34.04	31.71	10.23	33.11	100	322	A	H
	*	5610	107.37	-	-	98.27	31.78	10.47	33.15	100	322	P	H
802.11ac	*	5610	99.99	-	-	90.89	31.78	10.47	33.15	100	322	A	H
VHT80		5743.825	50.77	-17.43	68.2	41.33	32.09	10.54	33.19	100	322	P	H
CH 122		5459.9	48.09	-25.91	74	39.22	31.74	10.24	33.11	108	238	P	V
5610MHz		5465.85	49.09	-19.11	68.2	40.19	31.76	10.25	33.11	108	238	P	V
		5452.9	41.02	-12.98	54	32.19	31.71	10.23	33.11	108	238	A	V
	*	5610	102.26	-	-	93.16	31.78	10.47	33.15	108	238	P	V
	*	5610	94.53	-	-	85.43	31.78	10.47	33.15	108	238	A	V
		5732.625	49.33	-18.87	68.2	39.91	32.07	10.53	33.18	108	238	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.47	-26.53	74	54.27	39.76	16.85	63.41	100	0	P	H
		16590	47.4	-20.8	68.2	49.46	38.88	21.31	62.25	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.03	-26.97	74	53.83	39.76	16.85	63.41	100	0	P	V
5530MHz		16590	47.33	-20.87	68.2	49.39	38.88	21.31	62.25	100	0	P	V
													V
													V
		11220	46.89	-27.11	74	53.83	39.42	17.08	63.44	100	0	P	H
		16830	48.61	-19.59	68.2	49.04	40.04	21.63	62.1	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.52	-26.48	74	54.46	39.42	17.08	63.44	100	0	P	V
5610MHz		16830	49.02	-19.18	68.2	49.45	40.04	21.63	62.1	100	0	P	V
													V
													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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5459.98	49.05	-24.95	74	40.18	31.74	10.24	33.11	100	297	P	H
		5460.37	49.11	-19.09	68.2	40.24	31.74	10.24	33.11	100	297	P	H
		5452.96	41.71	-12.29	54	32.88	31.71	10.23	33.11	100	297	A	H
	*	5720	112.58	-	-	103.19	32.04	10.53	33.18	100	297	P	H
	*	5720	105.03	-	-	95.64	32.04	10.53	33.18	100	297	A	H
		5900	51.87	-16.33	68.2	42	32.5	10.61	33.24	100	297	P	H
		5440.48	48.86	-25.14	74	40.08	31.68	10.21	33.11	103	302	P	V
		5461.54	47.95	-20.25	68.2	39.06	31.75	10.25	33.11	103	302	P	V
		5452.57	40.67	-13.33	54	31.84	31.71	10.23	33.11	103	302	A	V
	*	5720	107.68	-	-	98.29	32.04	10.53	33.18	103	302	P	V
	*	5720	100.18	-	-	90.79	32.04	10.53	33.18	103	302	A	V
		5887.5	50.99	-17.21	68.2	41.17	32.45	10.6	33.23	103	302	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 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	47.39	-26.61	74	53.78	39.7	17.4	63.49	100	0	P	H
		17160	47.95	-20.25	68.2	47.45	40.28	22	61.78	100	0	P	H
													H
													H
		11440	47.2	-26.8	74	53.59	39.7	17.4	63.49	100	0	P	V
		17160	47.77	-20.43	68.2	47.27	40.28	22	61.78	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5358.58	49.26	-24.74	74	40.88	31.35	10.14	33.11	100	299	P	H
		5460.37	49.41	-18.79	68.2	40.54	31.74	10.24	33.11	100	299	P	H
		5452.57	42.07	-11.93	54	33.24	31.71	10.23	33.11	100	299	A	H
	*	5720	112.49	-	-	103.1	32.04	10.53	33.18	100	299	P	H
	*	5720	104.99	-	-	95.6	32.04	10.53	33.18	100	299	A	H
802.11ac		5867.75	51.93	-16.27	68.2	42.19	32.37	10.6	33.23	100	299	P	H
VHT20		5411.23	49.1	-24.9	74	40.42	31.62	10.17	33.11	103	302	P	V
CH 144		5461.93	47.98	-20.22	68.2	39.09	31.75	10.25	33.11	103	302	P	V
5720MHz		5452.96	40.8	-13.2	54	31.97	31.71	10.23	33.11	103	302	A	V
	*	5720	107.64	-	-	98.25	32.04	10.53	33.18	103	302	P	V
	*	5720	100.05	-	-	90.66	32.04	10.53	33.18	103	302	A	V
		5920.25	50.66	-17.54	68.2	40.74	32.54	10.62	33.24	103	302	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 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	46.37	-27.63	74	52.76	39.7	17.4	63.49	100	0	P	H
		17160	47.81	-20.39	68.2	47.31	40.28	22	61.78	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	46.72	-27.28	74	53.11	39.7	17.4	63.49	100	0	P	V
5720MHz		17160	48.35	-19.85	68.2	47.85	40.28	22	61.78	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 142 5710MHz		5454.91	49.27	-24.73	74	40.42	31.72	10.24	33.11	100	296	P	H
		5460.37	49.36	-18.84	68.2	40.49	31.74	10.24	33.11	100	296	P	H
		5452.57	42.15	-11.85	54	33.32	31.71	10.23	33.11	100	296	A	H
	*	5710	110.32	-	-	100.96	32.02	10.52	33.18	100	296	P	H
	*	5710	102.08	-	-	92.72	32.02	10.52	33.18	100	296	A	H
		5865.75	52.35	-15.85	68.2	42.62	32.36	10.6	33.23	100	296	P	H
		5387.83	48.92	-25.08	74	40.35	31.53	10.15	33.11	100	301	P	V
		5466.22	48.28	-19.92	68.2	39.38	31.76	10.25	33.11	100	301	P	V
		5452.57	41.4	-12.6	54	32.57	31.71	10.23	33.11	100	301	A	V
	*	5710	104.85	-	-	95.49	32.02	10.52	33.18	100	301	P	V
	*	5710	96.81	-	-	87.45	32.02	10.52	33.18	100	301	A	V
		5927.25	50.06	-18.14	68.2	40.14	32.55	10.62	33.25	100	301	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 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	46.94	-27.06	74	53.35	39.7	17.37	63.48	100	0	P	H
		17130	48.94	-19.26	68.2	48.6	40.19	21.97	61.82	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	47.02	-26.98	74	53.43	39.7	17.37	63.48	100	0	P	V
5710MHz		17130	49.1	-19.1	68.2	48.76	40.19	21.97	61.82	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5451.79	49.41	-24.59	74	40.58	31.71	10.23	33.11	101	299	P	H
		5470	48.45	-19.75	68.2	39.52	31.78	10.26	33.11	101	299	P	H
		5452.96	41.55	-12.45	54	32.72	31.71	10.23	33.11	101	299	A	H
	*	5690	106.75	-	-	97.47	31.94	10.51	33.17	101	299	P	H
802.11ac	*	5690	99.05	-	-	89.77	31.94	10.51	33.17	101	299	A	H
VHT80		5888.2	51.26	-16.94	68.2	41.43	32.45	10.61	33.23	101	299	P	H
CH 138		5422.15	48.11	-25.89	74	39.4	31.64	10.18	33.11	100	239	P	V
5690MHz		5463.1	46.28	-21.92	68.2	37.39	31.75	10.25	33.11	100	239	P	V
		5452.57	39.75	-14.25	54	30.92	31.71	10.23	33.11	100	239	A	V
	*	5690	101.33	-	-	92.05	31.94	10.51	33.17	100	239	P	V
	*	5690	93.66	-	-	84.38	31.94	10.51	33.17	100	239	A	V
		5900.5	50.03	-18.17	68.2	40.16	32.5	10.61	33.24	100	239	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 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	49.12	-24.88	74	55.63	39.66	17.31	63.48	100	0	P	H
		17070	50.15	-18.05	68.2	50.06	40.07	21.92	61.9	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	47.99	-26.01	74	54.5	39.66	17.31	63.48	100	0	P	V
5690MHz		17070	48.96	-19.24	68.2	48.87	40.07	21.92	61.9	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ac VHT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 LF		40.67	26.93	-13.07	40	38.96	19.4	0.94	32.37	-	-	P	H
		69.77	23.17	-16.83	40	42.08	12.28	1.16	32.35	-	-	P	H
		111.48	23.24	-20.26	43.5	37.08	17.05	1.42	32.31	-	-	P	H
		932.1	32.66	-13.34	46	29.59	29.83	4.29	31.05	-	-	P	H
		948.59	34.14	-11.86	46	29.88	30.82	4.34	30.9	-	-	P	H
		959.26	34.31	-11.69	46	29.57	31.17	4.37	30.8	100	0	P	H
													H
													H
													H
													H
													H
													H
		40.67	28.23	-11.77	40	40.26	19.4	0.94	32.37	100	21	QP	V
		54.25	24.51	-15.49	40	43.15	12.73	1	32.37	-	-	P	V
		189.08	22.23	-21.27	43.5	37.74	14.8	1.94	32.25	-	-	P	V
		911.73	32.45	-13.55	46	30.12	29.33	4.24	31.24	-	-	P	V
		940.83	33.68	-12.32	46	29.99	30.35	4.31	30.97	-	-	P	V
		957.32	34.43	-11.57	46	29.8	31.09	4.36	30.82	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5140.66	53.95	-20.05	74	45.17	31.88	10.02	33.12	360	52	P	H
		5145.34	43.75	-10.25	54	34.95	31.89	10.03	33.12	360	52	A	H
	*	5180	109.93	-	-	101.26	31.72	10.07	33.12	360	52	P	H
	*	5180	101.77	-	-	93.1	31.72	10.07	33.12	360	52	A	H
													H
													H
		5139.88	53.47	-20.53	74	44.69	31.88	10.02	33.12	353	251	P	V
		5149.24	43.1	-10.9	54	34.29	31.9	10.03	33.12	353	251	A	V
	*	5180	108.93	-	-	100.26	31.72	10.07	33.12	353	251	P	V
	*	5180	100.77	-	-	92.1	31.72	10.07	33.12	353	251	A	V
													V
													V
802.11a CH 44 5220MHz		5055.12	50.29	-23.71	74	41.86	31.62	9.93	33.12	358	52	P	H
		5137.54	41.55	-12.45	54	32.77	31.88	10.02	33.12	358	52	A	H
	*	5220	110.29	-	-	101.79	31.52	10.1	33.12	358	52	P	H
	*	5220	103.16	-	-	94.66	31.52	10.1	33.12	358	52	A	H
		5435.71	49.79	-24.21	74	41.02	31.67	10.21	33.11	358	52	P	H
		5366.59	41.3	-12.7	54	32.87	31.4	10.14	33.11	358	52	A	H
		5017.68	50.6	-23.4	74	42.36	31.47	9.89	33.12	300	275	P	V
		5102.7	41.46	-12.54	54	32.79	31.81	9.98	33.12	300	275	A	V
	*	5220	108.18	-	-	99.68	31.52	10.1	33.12	300	275	P	V
	*	5220	100.56	-	-	92.06	31.52	10.1	33.12	300	275	A	V
		5373.88	48.87	-25.13	74	40.4	31.44	10.14	33.11	300	275	P	V
		5373.07	41.44	-12.56	54	32.97	31.44	10.14	33.11	300	275	A	V

802.11a CH 48 5240MHz		5132.08	50.72	-23.28	74	41.96	31.86	10.02	33.12	350	38	P	H
		5102.7	41.31	-12.69	54	32.64	31.81	9.98	33.12	350	38	A	H
	*	5240	110.73	-	-	102.31	31.44	10.1	33.12	350	38	P	H
	*	5240	103.25	-	-	94.83	31.44	10.1	33.12	350	38	A	H
		5425.18	50.02	-23.98	74	41.29	31.65	10.19	33.11	350	38	P	H
		5395.21	41.96	-12.04	54	33.35	31.57	10.15	33.11	350	38	A	H
		5116.22	51.48	-22.52	74	42.77	31.83	10	33.12	350	270	P	V
		5091	41.36	-12.64	54	32.75	31.76	9.97	33.12	350	270	A	V
	*	5240	109.05	-	-	100.63	31.44	10.1	33.12	350	270	P	V
	*	5240	101.74	-	-	93.32	31.44	10.1	33.12	350	270	A	V
		5392.51	49.91	-24.09	74	41.31	31.56	10.15	33.11	350	270	P	V
		5356.87	41.03	-12.97	54	32.66	31.34	10.14	33.11	350	270	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.94	-20.26	68.2	55.92	39.54	16.35	63.87	100	0	P	H
		15540	46.87	-27.13	74	49.87	38.3	20.62	61.92	100	0	P	H
													H
													H
		10360	47.49	-20.71	68.2	55.47	39.54	16.35	63.87	100	0	P	V
		15540	46.53	-27.47	74	49.53	38.3	20.62	61.92	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	48.3	-19.9	68.2	55.97	39.7	16.4	63.77	100	0	P	H
		15660	45.36	-28.64	74	49.02	37.7	20.6	61.96	100	0	P	H
													H
													H
		10440	48.23	-19.97	68.2	55.9	39.7	16.4	63.77	100	0	P	V
		15660	46.25	-27.75	74	49.91	37.7	20.6	61.96	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	47.76	-20.44	68.2	55.35	39.7	16.43	63.72	100	0	P	H
		15720	45.09	-28.91	74	48.98	37.52	20.58	61.99	100	0	P	H
													H
													H
		10480	47.14	-21.06	68.2	54.73	39.7	16.43	63.72	100	0	P	V
		15720	44.86	-29.14	74	48.75	37.52	20.58	61.99	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5128.7	51.83	-22.17	74	43.08	31.86	10.01	33.12	363	48	P	H
		5149.24	44.24	-9.76	54	35.43	31.9	10.03	33.12	363	48	A	H
	*	5180	109.39	-	-	100.72	31.72	10.07	33.12	363	48	P	H
	*	5180	101.89	-	-	93.22	31.72	10.07	33.12	363	48	A	H
802.11ac													H
VHT20													H
CH 36		5132.34	51.68	-22.32	74	42.92	31.86	10.02	33.12	376	275	P	V
5180MHz		5149.24	43.17	-10.83	54	34.36	31.9	10.03	33.12	376	275	A	V
	*	5180	109.2	-	-	100.53	31.72	10.07	33.12	376	275	P	V
	*	5180	100.93	-	-	92.26	31.72	10.07	33.12	376	275	A	V
													V
													V
		5128.18	50.91	-23.09	74	42.16	31.86	10.01	33.12	358	50	P	H
		5145.08	41.38	-12.62	54	32.58	31.89	10.03	33.12	358	50	A	H
	*	5220	110.35	-	-	101.85	31.52	10.1	33.12	358	50	P	H
	*	5220	102.67	-	-	94.17	31.52	10.1	33.12	358	50	A	H
802.11ac		5441.38	49.83	-24.17	74	41.05	31.68	10.21	33.11	358	50	P	H
VHT20		5375.77	41.3	-12.7	54	32.82	31.45	10.14	33.11	358	50	A	H
CH 44		5080.34	49.96	-24.04	74	41.4	31.72	9.96	33.12	349	276	P	V
5220MHz		5137.54	41.29	-12.71	54	32.51	31.88	10.02	33.12	349	276	A	V
	*	5220	109.79	-	-	101.29	31.52	10.1	33.12	349	276	P	V
	*	5220	101.52	-	-	93.02	31.52	10.1	33.12	349	276	A	V
		5452.18	49.26	-24.74	74	40.43	31.71	10.23	33.11	349	276	P	V
		5455.42	41.22	-12.78	54	32.37	31.72	10.24	33.11	349	276	A	V

		5036.66	51.36	-22.64	74	43.02	31.55	9.91	33.12	372	36	P	H
		5110.5	41.36	-12.64	54	32.67	31.82	9.99	33.12	372	36	A	H
	*	5240	110.23	-	-	101.81	31.44	10.1	33.12	372	36	P	H
	*	5240	103.01	-	-	94.59	31.44	10.1	33.12	372	36	A	H
802.11ac		5358.22	49.98	-24.02	74	41.6	31.35	10.14	33.11	372	36	P	H
VHT20		5396.56	41.84	-12.16	54	33.22	31.58	10.15	33.11	372	36	A	H
CH 48		5114.92	50.23	-23.77	74	41.52	31.83	10	33.12	366	276	P	V
5240MHz		5086.58	41.69	-12.31	54	33.09	31.75	9.97	33.12	366	276	A	V
	*	5240	109.55	-	-	101.13	31.44	10.1	33.12	366	276	P	V
	*	5240	101.76	-	-	93.34	31.44	10.1	33.12	366	276	A	V
		5373.34	50.32	-23.68	74	41.85	31.44	10.14	33.11	366	276	P	V
		5395.21	41.33	-12.67	54	32.72	31.57	10.15	33.11	366	276	A	V

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	48.1	-20.1	68.2	56.08	39.54	16.35	63.87	100	0	P	H
		15540	47.33	-26.67	74	50.33	38.3	20.62	61.92	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	47.33	-20.87	68.2	55.31	39.54	16.35	63.87	100	0	P	V
5180MHz		15540	46.73	-27.27	74	49.73	38.3	20.62	61.92	100	0	P	V
													V
													V
		10440	48.98	-19.22	68.2	56.65	39.7	16.4	63.77	100	0	P	H
		15660	45.97	-28.03	74	49.63	37.7	20.6	61.96	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	48.78	-19.42	68.2	56.45	39.7	16.4	63.77	100	0	P	V
5220MHz		15660	46.11	-27.89	74	49.77	37.7	20.6	61.96	100	0	P	V
													V
													V
		10480	47.56	-20.64	68.2	55.15	39.7	16.43	63.72	100	0	P	H
		15720	45.45	-28.55	74	49.34	37.52	20.58	61.99	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	47.17	-21.03	68.2	54.76	39.7	16.43	63.72	100	0	P	V
5240MHz		15720	45.34	-28.66	74	49.23	37.52	20.58	61.99	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.24	52.83	-21.17	74	44.02	31.9	10.03	33.12	359	54	P	H
		5147.68	45.58	-8.42	54	36.77	31.9	10.03	33.12	359	54	A	H
	*	5190	106.66	-	-	98.04	31.66	10.08	33.12	359	54	P	H
	*	5190	98.51	-	-	89.89	31.66	10.08	33.12	359	54	A	H
802.11ac		5398.68	50.16	-23.84	74	41.53	31.59	10.15	33.11	359	54	P	H
VHT40		5376	41.79	-12.21	54	33.3	31.46	10.14	33.11	359	54	A	H
CH 38		5149.76	52.08	-21.92	74	43.27	31.9	10.03	33.12	371	274	P	V
5190MHz		5150	44.2	-9.8	54	35.39	31.9	10.03	33.12	371	274	A	V
	*	5190	105.51	-	-	96.89	31.66	10.08	33.12	371	274	P	V
	*	5190	97.31	-	-	88.69	31.66	10.08	33.12	371	274	A	V
		5381.04	50.09	-23.91	74	41.57	31.49	10.14	33.11	371	274	P	V
		5356.96	41.34	-12.66	54	32.97	31.34	10.14	33.11	371	274	A	V
		5037.18	49.81	-24.19	74	41.47	31.55	9.91	33.12	351	54	P	H
		5107.38	42.53	-11.47	54	33.85	31.81	9.99	33.12	351	54	A	H
	*	5230	108.19	-	-	99.73	31.48	10.1	33.12	351	54	P	H
	*	5230	100.23	-	-	91.77	31.48	10.1	33.12	351	54	A	H
802.11ac		5384.12	50.19	-23.81	74	41.65	31.5	10.15	33.11	351	54	P	H
VHT40		5366.76	42.84	-11.16	54	34.41	31.4	10.14	33.11	351	54	A	H
CH 46		5061.1	50.31	-23.69	74	41.85	31.64	9.94	33.12	349	275	P	V
5230MHz		5130.52	42.25	-11.75	54	33.5	31.86	10.01	33.12	349	275	A	V
	*	5230	106.75	-	-	98.29	31.48	10.1	33.12	349	275	P	V
	*	5230	98.82	-	-	90.36	31.48	10.1	33.12	349	275	A	V
		5401.76	50.04	-23.96	74	41.4	31.6	10.15	33.11	349	275	P	V
		5439.28	41.9	-12.1	54	33.12	31.68	10.21	33.11	349	275	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	47.29	-20.91	68.2	55.14	39.62	16.37	63.84	100	0	P	H
		15570	46.91	-27.09	74	50.07	38.15	20.62	61.93	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	47.67	-20.53	68.2	55.52	39.62	16.37	63.84	100	0	P	V
5190MHz		15570	46.87	-27.13	74	50.03	38.15	20.62	61.93	100	0	P	V
													V
													V
		10460	47.29	-20.91	68.2	54.92	39.7	16.42	63.75	100	0	P	H
		15690	45.73	-28.27	74	49.57	37.55	20.59	61.98	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	47.97	-20.23	68.2	55.6	39.7	16.42	63.75	100	0	P	V
5230MHz		15690	45.43	-28.57	74	49.27	37.55	20.59	61.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5149.6	66.96	-7.04	74	58.15	31.9	10.03	33.12	391	34	P	H
		5149.26	49.67	-4.33	54	40.86	31.9	10.03	33.12	391	34	A	H
	*	5210	103.18	-	-	94.65	31.56	10.09	33.12	391	34	P	H
	*	5210	95.69	-	-	87.16	31.56	10.09	33.12	391	34	A	H
		5356.26	52.12	-21.88	74	43.75	31.34	10.14	33.11	391	34	P	H
		5350.8	42.32	-11.68	54	33.99	31.3	10.14	33.11	391	34	A	H
		5149.6	66.81	-7.19	74	58	31.9	10.03	33.12	400	280	P	V
		5149.94	49.38	-4.62	54	40.57	31.9	10.03	33.12	400	280	A	V
	*	5210	101.99	-	-	93.46	31.56	10.09	33.12	400	280	P	V
	*	5210	94.41	-	-	85.88	31.56	10.09	33.12	400	280	A	V
		5380.96	51.35	-22.65	74	42.83	31.49	10.14	33.11	400	280	P	V
		5357.56	41.45	-12.55	54	33.07	31.35	10.14	33.11	400	280	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	47.96	-20.24	68.2	55.67	39.7	16.39	63.8	100	0	P	H
		15630	45.3	-28.7	74	48.8	37.85	20.6	61.95	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	47.86	-20.34	68.2	55.57	39.7	16.39	63.8	100	0	P	V
5210MHz		15630	46.47	-27.53	74	49.97	37.85	20.6	61.95	100	0	P	V
													V
													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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5059.84	49.85	-24.15	74	41.39	31.64	9.94	33.12	350	37	P	H
		5126.48	41.31	-12.69	54	32.57	31.85	10.01	33.12	350	37	A	H
	*	5260	109.88	-	-	101.5	31.38	10.11	33.11	350	37	P	H
	*	5260	102.47	-	-	94.09	31.38	10.11	33.11	350	37	A	H
		5442	50.48	-23.52	74	41.69	31.68	10.22	33.11	350	37	P	H
		5360.4	42.18	-11.82	54	33.79	31.36	10.14	33.11	350	37	A	H
		5101.32	50.78	-23.22	74	42.12	31.8	9.98	33.12	384	275	P	V
		5140.42	41.46	-12.54	54	32.68	31.88	10.02	33.12	384	275	A	V
	*	5260	109.54	-	-	101.16	31.38	10.11	33.11	384	275	P	V
	*	5260	102.11	-	-	93.73	31.38	10.11	33.11	384	275	A	V
		5419.44	50.15	-23.85	74	41.44	31.64	10.18	33.11	384	275	P	V
		5352.72	41.6	-12.4	54	33.25	31.32	10.14	33.11	384	275	A	V
802.11a CH 60 5300MHz		5081.94	49.96	-24.04	74	41.39	31.73	9.96	33.12	364	35	P	H
		5088.06	41.4	-12.6	54	32.8	31.75	9.97	33.12	364	35	A	H
	*	5300	110.89	-	-	102.58	31.3	10.12	33.11	364	35	P	H
	*	5300	103.27	-	-	94.96	31.3	10.12	33.11	364	35	A	H
		5387.04	52.51	-21.49	74	43.95	31.52	10.15	33.11	364	35	P	H
		5350.56	44.1	-9.9	54	35.77	31.3	10.14	33.11	364	35	A	H
		5119.34	49.61	-24.39	74	40.89	31.84	10	33.12	361	277	P	V
		5132.94	41.3	-12.7	54	32.53	31.87	10.02	33.12	361	277	A	V
	*	5300	109.41	-	-	101.1	31.3	10.12	33.11	361	277	P	V
	*	5300	101.62	-	-	93.31	31.3	10.12	33.11	361	277	A	V
		5350.56	51.46	-22.54	74	43.13	31.3	10.14	33.11	361	277	P	V
		5352.72	43.86	-10.14	54	35.51	31.32	10.14	33.11	361	277	A	V

802.11a CH 64 5320MHz	*	5320	111.06	-	-	102.74	31.3	10.13	33.11	361	35	P	H
	*	5320	103.6	-	-	95.28	31.3	10.13	33.11	361	35	A	H
		5375.04	53.24	-20.76	74	44.76	31.45	10.14	33.11	361	35	P	H
		5352.8	45.16	-8.84	54	36.81	31.32	10.14	33.11	361	35	A	H
													H
													H
	*	5320	109.87	-	-	101.55	31.3	10.13	33.11	394	268	P	V
	*	5320	102.44	-	-	94.12	31.3	10.13	33.11	394	268	A	V
		5353.76	53.22	-20.78	74	44.87	31.32	10.14	33.11	394	268	P	V
		5358.08	43.9	-10.1	54	35.52	31.35	10.14	33.11	394	268	A	V
													V
													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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	48.9	-19.3	68.2	56.43	39.7	16.46	63.69	100	0	P	H
		15780	45.78	-28.22	74	49.64	37.58	20.57	62.01	100	0	P	H
													H
													H
		10520	48.29	-19.91	68.2	55.82	39.7	16.46	63.69	100	0	P	V
		15780	45.55	-28.45	74	49.41	37.58	20.57	62.01	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	46.71	-27.29	74	54.14	39.7	16.51	63.64	100	0	P	H
		15900	45.59	-28.41	74	49.91	37.2	20.54	62.06	100	0	P	H
													H
													H
		10600	46.77	-27.23	74	54.2	39.7	16.51	63.64	100	0	P	V
		15900	46.6	-27.4	74	50.92	37.2	20.54	62.06	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.84	-26.16	74	55.26	39.66	16.54	63.62	100	0	P	H
		15960	44.78	-29.22	74	49.31	37.02	20.53	62.08	100	0	P	H
													H
													H
		10640	47.35	-26.65	74	54.77	39.66	16.54	63.62	100	0	P	V
		15960	45.05	-28.95	74	49.58	37.02	20.53	62.08	100	0	P	V
													V
													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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5022.1	50.16	-23.84	74	41.9	31.49	9.89	33.12	297	303	P	H
		5098.6	41.44	-12.56	54	32.79	31.79	9.98	33.12	297	303	A	H
	*	5260	109.99	-	-	101.61	31.38	10.11	33.11	297	303	P	H
	*	5260	103.21	-	-	94.83	31.38	10.11	33.11	297	303	A	H
802.11ac		5359.68	52.02	-21.98	74	43.63	31.36	10.14	33.11	297	303	P	H
VHT20		5350.56	43.55	-10.45	54	35.22	31.3	10.14	33.11	297	303	A	H
CH 52		5003.06	49.45	-24.55	74	41.29	31.41	9.87	33.12	385	276	P	V
5260MHz		5123.08	41.39	-12.61	54	32.65	31.85	10.01	33.12	385	276	A	V
	*	5260	108.83	-	-	100.45	31.38	10.11	33.11	385	276	P	V
	*	5260	101.3	-	-	92.92	31.38	10.11	33.11	385	276	A	V
		5355.6	50.68	-23.32	74	42.32	31.33	10.14	33.11	385	276	P	V
		5352.48	41.97	-12.03	54	33.63	31.31	10.14	33.11	385	276	A	V
		5068.34	49.26	-24.74	74	40.76	31.67	9.95	33.12	304	303	P	H
		5145.18	41.45	-12.55	54	32.65	31.89	10.03	33.12	304	303	A	H
	*	5300	110.68	-	-	102.37	31.3	10.12	33.11	304	303	P	H
	*	5300	103.15	-	-	94.84	31.3	10.12	33.11	304	303	A	H
802.11ac		5363.76	52.25	-21.75	74	43.84	31.38	10.14	33.11	304	303	P	H
VHT20		5352	44.67	-9.33	54	36.33	31.31	10.14	33.11	304	303	A	H
CH 60		5088.74	51.33	-22.67	74	42.73	31.75	9.97	33.12	400	276	P	V
5300MHz		5094.18	41.31	-12.69	54	32.68	31.78	9.97	33.12	400	276	A	V
	*	5300	108.95	-	-	100.64	31.3	10.12	33.11	400	276	P	V
	*	5300	101.41	-	-	93.1	31.3	10.12	33.11	400	276	A	V
		5358.24	51.51	-22.49	74	43.13	31.35	10.14	33.11	400	276	P	V
		5357.52	42.87	-11.13	54	34.49	31.35	10.14	33.11	400	276	A	V

	*	5320	110.52	-	-	102.2	31.3	10.13	33.11	329	300	P	H
	*	5320	102.83	-	-	94.51	31.3	10.13	33.11	329	300	A	H
		5351.52	54.18	-19.82	74	45.84	31.31	10.14	33.11	329	300	P	H
		5368.32	45.11	-8.89	54	36.67	31.41	10.14	33.11	329	300	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	109.11	-	-	100.79	31.3	10.13	33.11	359	276	P	V
5320MHz	*	5320	101.44	-	-	93.12	31.3	10.13	33.11	359	276	A	V
		5368.64	52.28	-21.72	74	43.84	31.41	10.14	33.11	359	276	P	V
		5352.64	43.51	-10.49	54	35.16	31.32	10.14	33.11	359	276	A	V
													V
													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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	49.07	-19.13	68.2	56.6	39.7	16.46	63.69	100	0	P	H
		15780	47.75	-26.25	74	51.61	37.58	20.57	62.01	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	49.87	-18.33	68.2	57.4	39.7	16.46	63.69	100	0	P	V
5260MHz		15780	46.54	-27.46	74	50.4	37.58	20.57	62.01	100	0	P	V
													V
													V
		10600	47.38	-26.62	74	54.81	39.7	16.51	63.64	100	0	P	H
		15900	46.02	-27.98	74	50.34	37.2	20.54	62.06	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	47.29	-26.71	74	54.72	39.7	16.51	63.64	100	0	P	V
5300MHz		15900	45.54	-28.46	74	49.86	37.2	20.54	62.06	100	0	P	V
													V
													V
		10640	48.17	-25.83	74	55.59	39.66	16.54	63.62	100	0	P	H
		15960	45.74	-28.26	74	50.27	37.02	20.53	62.08	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	48.3	-25.7	74	55.72	39.66	16.54	63.62	100	0	P	V
5320MHz		15960	45.45	-28.55	74	49.98	37.02	20.53	62.08	100	0	P	V
													V
													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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5095.88	50.2	-23.8	74	41.56	31.78	9.98	33.12	250	315	P	H
		5061.54	42.11	-11.89	54	33.64	31.65	9.94	33.12	250	315	A	H
	*	5270	106.9	-	-	98.54	31.36	10.11	33.11	250	315	P	H
	*	5270	99.08	-	-	90.72	31.36	10.11	33.11	250	315	A	H
802.11ac		5358.48	52.43	-21.57	74	44.05	31.35	10.14	33.11	250	315	P	H
VHT40		5350.08	45.39	-8.61	54	37.06	31.3	10.14	33.11	250	315	A	H
CH 54		5080.58	49.99	-24.01	74	41.43	31.72	9.96	33.12	400	275	P	V
5270MHz		5080.58	42.06	-11.94	54	33.5	31.72	9.96	33.12	400	275	A	V
	*	5270	103.49	-	-	95.13	31.36	10.11	33.11	400	275	P	V
	*	5270	95.51	-	-	87.15	31.36	10.11	33.11	400	275	A	V
		5353.44	50.78	-23.22	74	42.43	31.32	10.14	33.11	400	275	P	V
		5354.88	42.9	-11.1	54	34.54	31.33	10.14	33.11	400	275	A	V
		5109.48	50	-24	74	41.31	31.82	9.99	33.12	253	317	P	H
		5134.98	41.9	-12.1	54	33.13	31.87	10.02	33.12	253	317	A	H
	*	5310	107.87	-	-	99.56	31.3	10.12	33.11	253	317	P	H
	*	5310	99.57	-	-	91.26	31.3	10.12	33.11	253	317	A	H
802.11ac		5350.08	54.77	-19.23	74	46.44	31.3	10.14	33.11	253	317	P	H
VHT40		5350.56	47.96	-6.04	54	39.63	31.3	10.14	33.11	253	317	A	H
CH 62		5045.56	50.87	-23.13	74	42.49	31.58	9.92	33.12	400	279	P	V
5310MHz		5131.24	41.97	-12.03	54	33.22	31.86	10.01	33.12	400	279	A	V
	*	5310	106.81	-	-	98.5	31.3	10.12	33.11	400	279	P	V
	*	5310	98.71	-	-	90.4	31.3	10.12	33.11	400	279	A	V
		5373.12	52.57	-21.43	74	44.1	31.44	10.14	33.11	400	279	P	V
		5350.8	46.14	-7.86	54	37.81	31.3	10.14	33.11	400	279	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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	49.13	-19.07	68.2	56.64	39.7	16.47	63.68	100	0	P	H
		15810	45.76	-28.24	74	49.66	37.56	20.56	62.02	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	48.75	-19.45	68.2	56.26	39.7	16.47	63.68	100	0	P	V
5270MHz		15810	46.65	-27.35	74	50.55	37.56	20.56	62.02	100	0	P	V
													V
													V
		10620	48.69	-25.31	74	56.12	39.68	16.52	63.63	100	0	P	H
		15930	45.89	-28.11	74	50.31	37.11	20.54	62.07	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	48.42	-25.58	74	55.85	39.68	16.52	63.63	100	0	P	V
5310MHz		15930	45.43	-28.57	74	49.85	37.11	20.54	62.07	100	0	P	V
													V
													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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5118.2	48.79	-25.21	74	40.07	31.84	10	33.12	303	302	P	H
		5127.5	39.97	-14.03	54	31.23	31.85	10.01	33.12	303	302	A	H
	*	5290	104.01	-	-	95.68	31.32	10.12	33.11	303	302	P	H
	*	5290	96.58	-	-	88.25	31.32	10.12	33.11	303	302	A	H
		5354.64	61.25	-12.75	74	52.89	31.33	10.14	33.11	303	302	P	H
		5350.08	52.78	-1.22	54	44.45	31.3	10.14	33.11	303	302	A	H
		5139.5	47.94	-26.06	74	39.16	31.88	10.02	33.12	373	277	P	V
		5122.1	39.69	-14.31	54	30.97	31.84	10	33.12	373	277	A	V
	*	5290	102.71	-	-	94.38	31.32	10.12	33.11	373	277	P	V
	*	5290	94.85	-	-	86.52	31.32	10.12	33.11	373	277	A	V
		5362.08	59.05	-14.95	74	50.65	31.37	10.14	33.11	373	277	P	V
		5350.08	50.82	-3.18	54	42.49	31.3	10.14	33.11	373	277	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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	47.69	-20.51	68.2	55.14	39.7	16.5	63.65	100	0	P	H
		15870	45.67	-28.33	74	49.85	37.32	20.55	62.05	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	47.04	-21.16	68.2	54.49	39.7	16.5	63.65	100	0	P	V
5290MHz		15870	46.02	-27.98	74	50.2	37.32	20.55	62.05	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5455.6	54.04	-19.96	74	45.19	31.72	10.24	33.11	333	32	P	H
		5463.28	57.5	-10.7	68.2	48.61	31.75	10.25	33.11	333	32	P	H
		5456.72	45.66	-8.34	54	36.8	31.73	10.24	33.11	333	32	A	H
	*	5500	113.65	-	-	104.55	31.9	10.31	33.11	333	32	P	H
	*	5500	105.99	-	-	96.89	31.9	10.31	33.11	333	32	A	H
													H
		5457.04	53.74	-20.26	74	44.88	31.73	10.24	33.11	364	266	P	V
		5467.6	52.73	-15.47	68.2	43.82	31.77	10.25	33.11	364	266	P	V
		5458.16	44.21	-9.79	54	35.35	31.73	10.24	33.11	364	266	A	V
	*	5500	111.57	-	-	102.47	31.9	10.31	33.11	364	266	P	V
	*	5500	104.19	-	-	95.09	31.9	10.31	33.11	364	266	A	V
													V
802.11a CH 116 5580MHz		5409.76	50.08	-23.92	74	41.4	31.62	10.17	33.11	270	318	P	H
		5461.84	49.81	-18.39	68.2	40.92	31.75	10.25	33.11	270	318	P	H
		5458.48	41.33	-12.67	54	32.47	31.73	10.24	33.11	270	318	A	H
	*	5580	111.53	-	-	102.44	31.8	10.43	33.14	270	318	P	H
	*	5580	104.07	-	-	94.98	31.8	10.43	33.14	270	318	A	H
		5728.46	50.45	-17.75	68.2	41.04	32.06	10.53	33.18	270	318	P	H
		5436.16	48.69	-25.31	74	39.92	31.67	10.21	33.11	391	271	P	V
		5466.64	49.34	-18.86	68.2	40.43	31.77	10.25	33.11	391	271	P	V
		5459.44	41.28	-12.72	54	32.41	31.74	10.24	33.11	391	271	A	V
	*	5580	110.87	-	-	101.78	31.8	10.43	33.14	391	271	P	V
	*	5580	103.5	-	-	94.41	31.8	10.43	33.14	391	271	A	V
		5736.965	51.15	-17.05	68.2	41.73	32.07	10.54	33.19	391	271	P	V

802.11a CH 140 5700MHz	*	5700	111.6	-	-	102.26	32	10.51	33.17	238	299	P	H
	*	5700	104.12	-	-	94.78	32	10.51	33.17	238	299	A	H
		5732.12	60.26	-7.94	68.2	50.85	32.06	10.53	33.18	238	299	P	H
													H
													H
													H
	*	5700	110.61	-	-	101.27	32	10.51	33.17	392	272	P	V
	*	5700	103.02	-	-	93.68	32	10.51	33.17	392	272	A	V
		5729.64	60.74	-7.46	68.2	51.33	32.06	10.53	33.18	392	272	P	V
													V
													V
													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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	46.9	-27.1	74	53.54	40	16.76	63.4	100	0	P	H
		16500	46.79	-21.41	68.2	49.2	38.7	21.19	62.3	100	0	P	H
													H
													H
		11000	47.64	-26.36	74	54.28	40	16.76	63.4	100	0	P	V
		16500	46.09	-22.11	68.2	48.5	38.7	21.19	62.3	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.73	-25.27	74	55.69	39.48	16.99	63.43	100	0	P	H
		16740	48.91	-19.29	68.2	50	39.56	21.51	62.16	100	0	P	H
													H
													H
		11160	48.44	-25.56	74	55.4	39.48	16.99	63.43	100	0	P	V
		16740	49.01	-19.19	68.2	50.1	39.56	21.51	62.16	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.22	-26.78	74	53.66	39.7	17.34	63.48	100	0	P	H
		17100	49.91	-18.29	68.2	49.72	40.1	21.95	61.86	100	0	P	H
													H
													H
		11400	47.47	-26.53	74	53.91	39.7	17.34	63.48	100	0	P	V
		17100	49.21	-18.99	68.2	49.02	40.1	21.95	61.86	100	0	P	V
													V
													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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5436.56	53.58	-20.42	74	44.81	31.67	10.21	33.11	276	299	P	H
		5468.72	55.21	-12.99	68.2	46.29	31.77	10.26	33.11	276	299	P	H
		5458.96	44.83	-9.17	54	35.96	31.74	10.24	33.11	276	299	A	H
	*	5500	111.71	-	-	102.61	31.9	10.31	33.11	276	299	P	H
802.11ac	*	5500	104.2	-	-	95.1	31.9	10.31	33.11	276	299	A	H
VHT20													H
CH 100		5458.8	51.5	-22.5	74	42.63	31.74	10.24	33.11	384	266	P	V
5500MHz		5468.56	52.66	-15.54	68.2	43.74	31.77	10.26	33.11	384	266	P	V
		5458.96	43.5	-10.5	54	34.63	31.74	10.24	33.11	384	266	A	V
	*	5500	110.72	-	-	101.62	31.9	10.31	33.11	384	266	P	V
	*	5500	102.95	-	-	93.85	31.9	10.31	33.11	384	266	A	V
													V
		5431.84	49.99	-24.01	74	41.24	31.66	10.2	33.11	250	300	P	H
		5461.6	49.55	-18.65	68.2	40.66	31.75	10.25	33.11	250	300	P	H
		5433.52	41.59	-12.41	54	32.83	31.67	10.2	33.11	250	300	A	H
	*	5580	111.72	-	-	102.63	31.8	10.43	33.14	250	300	P	H
802.11ac	*	5580	104.23	-	-	95.14	31.8	10.43	33.14	250	300	A	H
VHT20		5744.525	52.03	-16.17	68.2	42.59	32.09	10.54	33.19	250	300	P	H
CH 116		5446.96	49.6	-24.4	74	40.8	31.69	10.22	33.11	390	270	P	V
5580MHz		5460.16	49.35	-18.85	68.2	40.48	31.74	10.24	33.11	390	270	P	V
		5456.08	41.16	-12.84	54	32.31	31.72	10.24	33.11	390	270	A	V
	*	5580	110.65	-	-	101.56	31.8	10.43	33.14	390	270	P	V
	*	5580	103.1	-	-	94.01	31.8	10.43	33.14	390	270	A	V
		5730.035	51.64	-16.56	68.2	42.23	32.06	10.53	33.18	390	270	P	V

	*	5700	111.28	-	-	101.94	32	10.51	33.17	276	299	P	H
	*	5700	103.69	-	-	94.35	32	10.51	33.17	276	299	A	H
		5726.12	59.52	-8.68	68.2	50.12	32.05	10.53	33.18	276	299	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	110.34	-	-	101	32	10.51	33.17	393	271	P	V
5700MHz	*	5700	102.94	-	-	93.6	32	10.51	33.17	393	271	A	V
		5728.04	60.67	-7.53	68.2	51.26	32.06	10.53	33.18	393	271	P	V
													V
													V
													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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	47.93	-26.07	74	54.57	40	16.76	63.4	100	0	P	H
		16500	47.11	-21.09	68.2	49.52	38.7	21.19	62.3	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	47.82	-26.18	74	54.46	40	16.76	63.4	100	0	P	V
5500MHz		16500	47.7	-20.5	68.2	50.11	38.7	21.19	62.3	100	0	P	V
													V
													V
		11160	48.43	-25.57	74	55.39	39.48	16.99	63.43	100	0	P	H
		16740	47.88	-20.32	68.2	48.97	39.56	21.51	62.16	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	47.77	-26.23	74	54.73	39.48	16.99	63.43	100	0	P	V
5580MHz		16740	48.91	-19.29	68.2	50	39.56	21.51	62.16	100	0	P	V
													V
													V
		11400	47.09	-26.91	74	53.53	39.7	17.34	63.48	100	0	P	H
		17100	49.55	-18.65	68.2	49.36	40.1	21.95	61.86	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	47.07	-26.93	74	53.51	39.7	17.34	63.48	100	0	P	V
5700MHz		17100	48.87	-19.33	68.2	48.68	40.1	21.95	61.86	100	0	P	V
													V
													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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.96	55.53	-18.47	74	46.66	31.74	10.24	33.11	350	35	P	H
		5461.84	56.88	-11.32	68.2	47.99	31.75	10.25	33.11	350	35	P	H
		5459.2	47.29	-6.71	54	38.42	31.74	10.24	33.11	350	35	A	H
	*	5510	110.71	-	-	101.62	31.88	10.32	33.11	350	35	P	H
802.11ac	*	5510	102.45	-	-	93.36	31.88	10.32	33.11	350	35	A	H
VHT40		5740.745	51.74	-16.46	68.2	42.31	32.08	10.54	33.19	350	35	P	H
CH 102		5457.28	53.84	-20.16	74	44.98	31.73	10.24	33.11	344	272	P	V
5510MHz		5462.56	55.61	-12.59	68.2	46.72	31.75	10.25	33.11	344	272	P	V
		5458	45.84	-8.16	54	36.98	31.73	10.24	33.11	344	272	A	V
	*	5510	109.08	-	-	99.99	31.88	10.32	33.11	344	272	P	V
	*	5510	100.57	-	-	91.48	31.88	10.32	33.11	344	272	A	V
		5762.795	49.89	-18.31	68.2	40.4	32.13	10.55	33.19	344	272	P	V
		5441.92	51.98	-22.02	74	43.2	31.68	10.21	33.11	364	33	P	H
		5466.4	51.94	-16.26	68.2	43.03	31.77	10.25	33.11	364	33	P	H
		5459.2	43.63	-10.37	54	34.76	31.74	10.24	33.11	364	33	A	H
	*	5550	110.72	-	-	101.67	31.8	10.38	33.13	364	33	P	H
802.11ac	*	5550	102.6	-	-	93.55	31.8	10.38	33.13	364	33	A	H
VHT40		5747.99	51.37	-16.83	68.2	41.92	32.1	10.54	33.19	364	33	P	H
CH 110		5455.6	50.54	-23.46	74	41.69	31.72	10.24	33.11	358	275	P	V
5550MHz		5460.16	51.63	-16.57	68.2	42.76	31.74	10.24	33.11	358	275	P	V
		5459.92	42.81	-11.19	54	33.94	31.74	10.24	33.11	358	275	A	V
	*	5550	108.93	-	-	99.88	31.8	10.38	33.13	358	275	P	V
	*	5550	100.99	-	-	91.94	31.8	10.38	33.13	358	275	A	V
		5749.25	52.01	-16.19	68.2	42.56	32.1	10.54	33.19	358	275	P	V

		5382.55	48.93	-25.07	74	40.4	31.5	10.14	33.11	335	34	P	H
		5465.15	48.59	-19.61	68.2	39.69	31.76	10.25	33.11	335	34	P	H
		5457.1	41.13	-12.87	54	32.27	31.73	10.24	33.11	335	34	A	H
	*	5670	110.44	-	-	101.28	31.82	10.5	33.16	335	34	P	H
802.11ac	*	5670	102.38	-	-	93.22	31.82	10.5	33.16	335	34	A	H
VHT40		5727.725	56.26	-11.94	68.2	46.85	32.06	10.53	33.18	335	34	P	H
CH 134		5390.25	48.91	-25.09	74	40.33	31.54	10.15	33.11	376	272	P	V
5670MHz		5465.15	49.69	-18.51	68.2	40.79	31.76	10.25	33.11	376	272	P	V
		5441.35	40.82	-13.18	54	32.04	31.68	10.21	33.11	376	272	A	V
	*	5670	108.35	-	-	99.19	31.82	10.5	33.16	376	272	P	V
	*	5670	100.2	-	-	91.04	31.82	10.5	33.16	376	272	A	V
		5739.975	54.7	-13.5	68.2	45.27	32.08	10.54	33.19	376	272	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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.7	-26.3	74	54.39	39.92	16.79	63.4	100	0	P	H
		16530	46.99	-21.21	68.2	49.28	38.76	21.23	62.28	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	46.56	-27.44	74	53.25	39.92	16.79	63.4	100	0	P	V
5510MHz		16530	47.24	-20.96	68.2	49.53	38.76	21.23	62.28	100	0	P	V
													V
													V
		11100	47.13	-26.87	74	54.04	39.6	16.91	63.42	100	0	P	H
		16650	48.27	-19.93	68.2	50.04	39.05	21.39	62.21	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	48.1	-25.9	74	55.01	39.6	16.91	63.42	100	0	P	V
5550MHz		16650	47.39	-20.81	68.2	49.16	39.05	21.39	62.21	100	0	P	V
													V
													V
		10340	48.22	-19.98	68.2	56.31	39.46	16.34	63.89	100	0	P	H
		17010	47.65	-20.55	68.2	47.76	40.01	21.87	61.99	100	0	P	H
802.11ac													H
VHT40													H
CH 134		10340	47.59	-20.61	68.2	55.68	39.46	16.34	63.89	100	0	P	V
5670MHz		17010	47.51	-20.69	68.2	47.62	40.01	21.87	61.99	100	0	P	V
													V
													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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.12	56.2	-17.8	74	47.35	31.72	10.24	33.11	331	34	P	H
		5465.44	58.47	-9.73	68.2	49.57	31.76	10.25	33.11	331	34	P	H
		5459.44	48.08	-5.92	54	39.21	31.74	10.24	33.11	331	34	A	H
	*	5530	105.73	-	-	96.66	31.84	10.35	33.12	331	34	P	H
802.11ac	*	5530	98.09	-	-	89.02	31.84	10.35	33.12	331	34	A	H
VHT80		5740.115	49.79	-18.41	68.2	40.36	32.08	10.54	33.19	331	34	P	H
CH 106		5459.92	53.69	-20.31	74	44.82	31.74	10.24	33.11	400	274	P	V
5530MHz		5469.04	55.35	-12.85	68.2	46.42	31.78	10.26	33.11	400	274	P	V
		5459.68	45.99	-8.01	54	37.12	31.74	10.24	33.11	400	274	A	V
	*	5530	103.78	-	-	94.71	31.84	10.35	33.12	400	274	P	V
	*	5530	96.21	-	-	87.14	31.84	10.35	33.12	400	274	A	V
		5735.39	49.36	-18.84	68.2	39.95	32.07	10.53	33.19	400	274	P	V
		5455.7	49.93	-24.07	74	41.08	31.72	10.24	33.11	308	31	P	H
		5469.35	49.73	-18.47	68.2	40.8	31.78	10.26	33.11	308	31	P	H
		5458.85	41.95	-12.05	54	33.08	31.74	10.24	33.11	308	31	A	H
	*	5610	106.97	-	-	97.87	31.78	10.47	33.15	308	31	P	H
802.11ac	*	5610	99.21	-	-	90.11	31.78	10.47	33.15	308	31	A	H
VHT80		5726.85	54.56	-13.64	68.2	45.16	32.05	10.53	33.18	308	31	P	H
CH 122		5439.95	50.07	-23.93	74	41.29	31.68	10.21	33.11	349	266	P	V
5610MHz		5465.85	49.76	-18.44	68.2	40.86	31.76	10.25	33.11	349	266	P	V
		5455	41.36	-12.64	54	32.51	31.72	10.24	33.11	349	266	A	V
	*	5610	104.51	-	-	95.41	31.78	10.47	33.15	349	266	P	V
	*	5610	96.87	-	-	87.77	31.78	10.47	33.15	349	266	A	V
		5727.55	54.22	-13.98	68.2	44.81	32.06	10.53	33.18	349	266	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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.56	-26.44	74	54.36	39.76	16.85	63.41	100	0	P	H
		16590	47.25	-20.95	68.2	49.31	38.88	21.31	62.25	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.51	-26.49	74	54.31	39.76	16.85	63.41	100	0	P	V
5530MHz		16590	47.46	-20.74	68.2	49.52	38.88	21.31	62.25	100	0	P	V
													V
													V
		11220	47.09	-26.91	74	54.03	39.42	17.08	63.44	100	0	P	H
		16830	48.36	-19.84	68.2	48.79	40.04	21.63	62.1	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	46.33	-27.67	74	53.27	39.42	17.08	63.44	100	0	P	V
5610MHz		16830	48.08	-20.12	68.2	48.51	40.04	21.63	62.1	100	0	P	V
													V
													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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5454.91	49.85	-24.15	74	41	31.72	10.24	33.11	314	33	P	H
		5466.61	47.77	-20.43	68.2	38.86	31.77	10.25	33.11	314	33	P	H
		5459.59	40.2	-13.8	54	31.33	31.74	10.24	33.11	314	33	A	H
	*	5720	112.83	-	-	103.44	32.04	10.53	33.18	314	33	P	H
	*	5720	105.11	-	-	95.72	32.04	10.53	33.18	314	33	A	H
		5922.75	50.91	-17.29	68.2	40.99	32.55	10.62	33.25	314	33	P	H
		5417.47	49.5	-24.5	74	40.8	31.63	10.18	33.11	351	269	P	V
		5467.78	47.92	-20.28	68.2	39	31.77	10.26	33.11	351	269	P	V
		5446.72	40.19	-13.81	54	31.39	31.69	10.22	33.11	351	269	A	V
	*	5720	109.86	-	-	100.47	32.04	10.53	33.18	351	269	P	V
	*	5720	102.48	-	-	93.09	32.04	10.53	33.18	351	269	A	V
		5908	51.56	-16.64	68.2	41.67	32.52	10.61	33.24	351	269	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 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	47.14	-26.86	74	53.53	39.7	17.4	63.49	100	0	P	H
		17160	48.88	-19.32	68.2	48.38	40.28	22	61.78	100	0	P	H
													H
													H
		11440	47.39	-26.61	74	53.78	39.7	17.4	63.49	100	0	P	V
		17160	49.12	-19.08	68.2	48.62	40.28	22	61.78	100	0	P	V
													V
													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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5396.41	49.12	-24.88	74	40.5	31.58	10.15	33.11	314	35	P	H
		5468.56	48.04	-20.16	68.2	39.12	31.77	10.26	33.11	314	35	P	H
		5458.03	40.12	-13.88	54	31.26	31.73	10.24	33.11	314	35	A	H
	*	5720	112.2	-	-	102.81	32.04	10.53	33.18	314	35	P	H
802.11ac	*	5720	104.69	-	-	95.3	32.04	10.53	33.18	314	35	A	H
VHT20		5922.75	52.34	-15.86	68.2	42.42	32.55	10.62	33.25	314	35	P	H
CH 144		5455.69	48.65	-25.35	74	39.8	31.72	10.24	33.11	350	267	P	V
5720MHz		5465.44	48.52	-19.68	68.2	39.62	31.76	10.25	33.11	350	267	P	V
		5454.13	39.98	-14.02	54	31.14	31.72	10.23	33.11	350	267	A	V
	*	5720	109.59	-	-	100.2	32.04	10.53	33.18	350	267	P	V
	*	5720	101.87	-	-	92.48	32.04	10.53	33.18	350	267	A	V
		5921	50.02	-18.18	68.2	40.1	32.54	10.62	33.24	350	267	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 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	47.1	-26.9	74	53.49	39.7	17.4	63.49	100	0	P	H
		17160	49.42	-18.78	68.2	48.92	40.28	22	61.78	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	46.87	-27.13	74	53.26	39.7	17.4	63.49	100	0	P	V
5720MHz		17160	50.63	-17.57	68.2	50.13	40.28	22	61.78	100	0	P	V
													V
													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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 142 5710MHz		5427.61	48.18	-25.82	74	39.44	31.66	10.19	33.11	314	34	P	H
		5466.22	48.78	-19.42	68.2	39.88	31.76	10.25	33.11	314	34	P	H
		5440.87	40.6	-13.4	54	31.82	31.68	10.21	33.11	314	34	A	H
	*	5710	110.21	-	-	100.85	32.02	10.52	33.18	314	34	P	H
	*	5710	102.17	-	-	92.81	32.02	10.52	33.18	314	34	A	H
		5904.25	52.02	-16.18	68.2	42.14	32.51	10.61	33.24	314	34	P	H
		5440.87	49.2	-24.8	74	40.42	31.68	10.21	33.11	390	273	P	V
		5468.95	47.46	-20.74	68.2	38.53	31.78	10.26	33.11	390	273	P	V
		5454.91	40.61	-13.39	54	31.76	31.72	10.24	33.11	390	273	A	V
	*	5710	107.81	-	-	98.45	32.02	10.52	33.18	390	273	P	V
	*	5710	99.63	-	-	90.27	32.02	10.52	33.18	390	273	A	V
		5867	51.43	-16.77	68.2	41.69	32.37	10.6	33.23	390	273	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 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	47.94	-20.26	68.2	55.65	39.7	16.39	63.8	100	0	P	H
		17130	48.75	-19.45	68.2	48.41	40.19	21.97	61.82	100	0	P	H
802.11ac													H
VHT40													H
CH 142		10420	48.17	-20.03	68.2	55.88	39.7	16.39	63.8	100	0	P	V
5710MHz		17130	48.6	-19.6	68.2	48.26	40.19	21.97	61.82	100	0	P	V
													V
													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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5407.33	49.22	-24.78	74	40.56	31.61	10.16	33.11	331	34	P	H
		5465.05	48.25	-19.95	68.2	39.35	31.76	10.25	33.11	331	34	P	H
		5459.98	39.83	-14.17	54	30.96	31.74	10.24	33.11	331	34	A	H
	*	5690	106.37	-	-	97.09	31.94	10.51	33.17	331	34	P	H
802.11ac	*	5690	98.73	-	-	89.45	31.94	10.51	33.17	331	34	A	H
VHT80		5900.8	49.64	-18.56	68.2	39.77	32.5	10.61	33.24	331	34	P	H
CH 138		5392.9	48.65	-25.35	74	40.05	31.56	10.15	33.11	397	278	P	V
5690MHz		5465.83	47.03	-21.17	68.2	38.13	31.76	10.25	33.11	397	278	P	V
		5433.07	39.57	-14.43	54	30.81	31.67	10.2	33.11	397	278	A	V
	*	5690	103.31	-	-	94.03	31.94	10.51	33.17	397	278	P	V
	*	5690	95.8	-	-	86.52	31.94	10.51	33.17	397	278	A	V
		5851.6	49.3	-18.9	68.2	39.62	32.31	10.59	33.22	397	278	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 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	46.86	-27.14	74	53.37	39.66	17.31	63.48	100	0	P	H
		17070	48.8	-19.4	68.2	48.71	40.07	21.92	61.9	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	46.85	-27.15	74	53.36	39.66	17.31	63.48	100	0	P	V
5690MHz		17070	48.21	-19.99	68.2	48.12	40.07	21.92	61.9	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		40.67	27.39	-12.61	40	39.42	19.4	0.94	32.37	-	-	P	H
		64.92	21.6	-18.4	40	40.85	12	1.11	32.36	-	-	P	H
		119.24	23.37	-20.13	43.5	36.7	17.5	1.47	32.3	-	-	P	H
		941.8	32.85	-13.15	46	29.09	30.41	4.32	30.97	-	-	P	H
		946.65	32.97	-13.03	46	28.86	30.7	4.33	30.92	-	-	P	H
		952.47	34.35	-11.65	46	29.92	30.95	4.35	30.87	100	0	P	H
													H
													H
													H
													H
													H
													H
		40.67	28.79	-11.21	40	40.82	19.4	0.94	32.37	100	23	QP	V
		46.49	29.31	-10.69	40	44.56	16.21	0.91	32.37	-	-	P	V
		69.77	24.1	-15.9	40	43.01	12.28	1.16	32.35	-	-	P	V
		922.4	32.03	-13.97	46	29.36	29.55	4.26	31.14	-	-	P	V
		932.1	32.8	-13.2	46	29.73	29.83	4.29	31.05	-	-	P	V
		945.68	33.58	-12.42	46	29.54	30.64	4.33	30.93	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	55.13	-18.87	74	46.32	31.9	10.03	33.12	319	50	P	H
		5150	48.75	-5.25	54	39.94	31.9	10.03	33.12	319	50	A	H
	*	5180	115.3	-	-	106.63	31.72	10.07	33.12	319	50	P	H
	*	5180	108.18	-	-	99.51	31.72	10.07	33.12	319	50	A	H
													H
													H
		5111.8	51.77	-22.23	74	43.08	31.82	9.99	33.12	100	62	P	V
		5150	45.6	-8.4	54	36.79	31.9	10.03	33.12	100	62	A	V
	*	5180	111.88	-	-	103.21	31.72	10.07	33.12	100	62	P	V
	*	5180	104.76	-	-	96.09	31.72	10.07	33.12	100	62	A	V
													V
													V
802.11a CH 44 5220MHz		5121.42	51.24	-22.76	74	42.52	31.84	10	33.12	314	50	P	H
		5145.6	42.85	-11.15	54	34.05	31.89	10.03	33.12	314	50	A	H
	*	5220	115.77	-	-	107.27	31.52	10.1	33.12	314	50	P	H
	*	5220	108.62	-	-	100.12	31.52	10.1	33.12	314	50	A	H
		5379.55	50.52	-23.48	74	42.01	31.48	10.14	33.11	314	50	P	H
		5376.04	42.02	-11.98	54	33.53	31.46	10.14	33.11	314	50	A	H
		5061.36	49.47	-24.53	74	41	31.65	9.94	33.12	100	61	P	V
		5066.3	41.62	-12.38	54	33.13	31.67	9.94	33.12	100	61	A	V
	*	5220	112.49	-	-	103.99	31.52	10.1	33.12	100	61	P	V
	*	5220	105.31	-	-	96.81	31.52	10.1	33.12	100	61	A	V
		5442.73	50.71	-23.29	74	41.91	31.69	10.22	33.11	100	61	P	V
		5376.04	40.71	-13.29	54	32.22	31.46	10.14	33.11	100	61	A	V

802.11a CH 48 5240MHz		5055.9	50.35	-23.65	74	41.92	31.62	9.93	33.12	312	49	P	H
		5145.6	42.06	-11.94	54	33.26	31.89	10.03	33.12	312	49	A	H
	*	5240	114.91	-	-	106.49	31.44	10.1	33.12	312	49	P	H
	*	5240	108.15	-	-	99.73	31.44	10.1	33.12	312	49	A	H
		5394.4	49.88	-24.12	74	41.27	31.57	10.15	33.11	312	49	P	H
		5394.94	41.65	-12.35	54	33.04	31.57	10.15	33.11	312	49	A	H
		5116.22	50.01	-23.99	74	41.3	31.83	10	33.12	109	62	P	V
		5082.94	41.34	-12.66	54	32.77	31.73	9.96	33.12	109	62	A	V
	*	5240	112.26	-	-	103.84	31.44	10.1	33.12	109	62	P	V
	*	5240	104.93	-	-	96.51	31.44	10.1	33.12	109	62	A	V
		5380.09	49.22	-24.78	74	40.71	31.48	10.14	33.11	109	62	P	V
		5452.72	40.68	-13.32	54	31.85	31.71	10.23	33.11	109	62	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	51.11	-17.09	68.2	59.09	39.54	16.35	63.87	100	0	P	H
		15540	46.73	-27.27	74	49.73	38.3	20.62	61.92	100	0	P	H
													H
													H
		10360	49.58	-18.62	68.2	57.56	39.54	16.35	63.87	100	0	P	V
		15540	46.42	-27.58	74	49.42	38.3	20.62	61.92	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	53.04	-15.16	68.2	60.71	39.7	16.4	63.77	100	0	P	H
		15660	45.6	-28.4	74	49.26	37.7	20.6	61.96	100	0	P	H
													H
													H
		10440	50.88	-17.32	68.2	58.55	39.7	16.4	63.77	100	0	P	V
		15660	46.05	-27.95	74	49.71	37.7	20.6	61.96	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	50.23	-17.97	68.2	57.82	39.7	16.43	63.72	100	0	P	H
		15720	45.89	-28.11	74	49.78	37.52	20.58	61.99	100	0	P	H
													H
													H
		10480	48.81	-19.39	68.2	56.4	39.7	16.43	63.72	100	0	P	V
		15720	45.53	-28.47	74	49.42	37.52	20.58	61.99	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5128.18	56.21	-17.79	74	47.46	31.86	10.01	33.12	322	54	P	H
		5148.2	48.17	-5.83	54	39.36	31.9	10.03	33.12	322	54	A	H
	*	5180	114.95	-	-	106.28	31.72	10.07	33.12	322	54	P	H
	*	5180	107.82	-	-	99.15	31.72	10.07	33.12	322	54	A	H
802.11ac													H
VHT20													H
CH 36		5147.94	53.24	-20.76	74	44.43	31.9	10.03	33.12	100	61	P	V
5180MHz		5148.98	45.57	-8.43	54	36.76	31.9	10.03	33.12	100	61	A	V
	*	5182	112.25	-	-	103.59	31.71	10.07	33.12	100	61	P	V
	*	5182	104.24	-	-	95.58	31.71	10.07	33.12	100	61	A	V
													V
													V
		5144.82	51	-23	74	42.2	31.89	10.03	33.12	315	56	P	H
		5145.34	42.53	-11.47	54	33.73	31.89	10.03	33.12	315	56	A	H
	*	5220	115.73	-	-	107.23	31.52	10.1	33.12	315	56	P	H
	*	5220	108.44	-	-	99.94	31.52	10.1	33.12	315	56	A	H
802.11ac		5427.88	50.08	-23.92	74	41.34	31.66	10.19	33.11	315	56	P	H
VHT20		5376.04	42.69	-11.31	54	34.2	31.46	10.14	33.11	315	56	A	H
CH 44		5092.04	50.72	-23.28	74	42.1	31.77	9.97	33.12	100	62	P	V
5220MHz		5145.6	41.52	-12.48	54	32.72	31.89	10.03	33.12	100	62	A	V
	*	5220	112.32	-	-	103.82	31.52	10.1	33.12	100	62	P	V
	*	5220	105	-	-	96.5	31.52	10.1	33.12	100	62	A	V
		5400.88	49.31	-24.69	74	40.67	31.6	10.15	33.11	100	62	P	V
		5375.77	41.25	-12.75	54	32.77	31.45	10.14	33.11	100	62	A	V

		5145.6	51.11	-22.89	74	42.31	31.89	10.03	33.12	300	52	P	H
		5145.6	42.36	-11.64	54	33.56	31.89	10.03	33.12	300	52	A	H
	*	5240	115.18	-	-	106.76	31.44	10.1	33.12	300	52	P	H
	*	5240	107.57	-	-	99.15	31.44	10.1	33.12	300	52	A	H
802.11ac		5403.31	50	-24	74	41.34	31.61	10.16	33.11	300	52	P	H
VHT20		5375.77	41.55	-12.45	54	33.07	31.45	10.14	33.11	300	52	A	H
CH 48		5025.48	50.01	-23.99	74	41.73	31.5	9.9	33.12	100	62	P	V
5240MHz		5147.94	41.43	-12.57	54	32.62	31.9	10.03	33.12	100	62	A	V
	*	5240	112.52	-	-	104.1	31.44	10.1	33.12	100	62	P	V
	*	5240	104.84	-	-	96.42	31.44	10.1	33.12	100	62	A	V
		5438.14	49.67	-24.33	74	40.89	31.68	10.21	33.11	100	62	P	V
		5395.21	41.02	-12.98	54	32.41	31.57	10.15	33.11	100	62	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	49.72	-18.48	68.2	57.7	39.54	16.35	63.87	100	0	P	H
		15540	46.79	-27.21	74	49.79	38.3	20.62	61.92	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	47.64	-20.56	68.2	55.62	39.54	16.35	63.87	100	0	P	V
5180MHz		15540	46.93	-27.07	74	49.93	38.3	20.62	61.92	100	0	P	V
													V
													V
		10440	51.03	-17.17	68.2	58.7	39.7	16.4	63.77	100	0	P	H
		15660	45.96	-28.04	74	49.62	37.7	20.6	61.96	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	51.27	-16.93	68.2	58.94	39.7	16.4	63.77	100	0	P	V
5220MHz		15660	45.79	-28.21	74	49.45	37.7	20.6	61.96	100	0	P	V
													V
													V
		10480	49.94	-18.26	68.2	57.53	39.7	16.43	63.72	100	0	P	H
		15720	46.64	-27.36	74	50.53	37.52	20.58	61.99	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	48.83	-19.37	68.2	56.42	39.7	16.43	63.72	100	0	P	V
5240MHz		15720	46.07	-27.93	74	49.96	37.52	20.58	61.99	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5140.14	56.47	-17.53	74	47.69	31.88	10.02	33.12	295	49	P	H
		5150	50.37	-3.63	54	41.56	31.9	10.03	33.12	295	49	A	H
	*	5190	110.29	-	-	101.67	31.66	10.08	33.12	295	49	P	H
	*	5190	103.45	-	-	94.83	31.66	10.08	33.12	295	49	A	H
802.11ac		5416.32	49.31	-24.69	74	40.61	31.63	10.18	33.11	295	49	P	H
VHT40		5433.4	41.88	-12.12	54	33.12	31.67	10.2	33.11	295	49	A	H
CH 38		5148.2	53.3	-20.7	74	44.49	31.9	10.03	33.12	100	61	P	V
5190MHz		5150	46.8	-7.2	54	37.99	31.9	10.03	33.12	100	61	A	V
	*	5190	106.81	-	-	98.19	31.66	10.08	33.12	100	61	P	V
	*	5190	99.64	-	-	91.02	31.66	10.08	33.12	100	61	A	V
		5409.04	49.68	-24.32	74	41.01	31.62	10.16	33.11	100	61	P	V
		5357.52	41.14	-12.86	54	32.76	31.35	10.14	33.11	100	61	A	V
		5147.16	52.99	-21.01	74	44.19	31.89	10.03	33.12	313	50	P	H
		5150	45.24	-8.76	54	36.43	31.9	10.03	33.12	313	50	A	H
	*	5230	113.87	-	-	105.41	31.48	10.1	33.12	313	50	P	H
	*	5230	105.95	-	-	97.49	31.48	10.1	33.12	313	50	A	H
802.11ac		5375.72	51.69	-22.31	74	43.21	31.45	10.14	33.11	313	50	P	H
VHT40		5376	42.59	-11.41	54	34.1	31.46	10.14	33.11	313	50	A	H
CH 46		5148.72	51.7	-22.3	74	42.89	31.9	10.03	33.12	105	278	P	V
5230MHz		5148.72	45.6	-8.4	54	36.79	31.9	10.03	33.12	105	278	A	V
	*	5230	112.61	-	-	104.15	31.48	10.1	33.12	105	278	P	V
	*	5230	104.53	-	-	96.07	31.48	10.1	33.12	105	278	A	V
		5392.8	49.68	-24.32	74	41.08	31.56	10.15	33.11	105	278	P	V
		5356.96	41.42	-12.58	54	33.05	31.34	10.14	33.11	105	278	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	49.12	-19.08	68.2	56.97	39.62	16.37	63.84	100	0	P	H
		15570	46.53	-27.47	74	49.69	38.15	20.62	61.93	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	48.85	-19.35	68.2	56.7	39.62	16.37	63.84	100	0	P	V
5190MHz		15570	46.16	-27.84	74	49.32	38.15	20.62	61.93	100	0	P	V
													V
													V
		10460	50.16	-18.04	68.2	57.79	39.7	16.42	63.75	100	0	P	H
		15690	47.16	-26.84	74	51	37.55	20.59	61.98	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	48.79	-19.41	68.2	56.42	39.7	16.42	63.75	100	0	P	V
5230MHz		15690	45.32	-28.68	74	49.16	37.55	20.59	61.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5148.92	58.5	-15.5	74	49.69	31.9	10.03	33.12	100	320	P	H
		5148.58	52.88	-1.12	54	44.07	31.9	10.03	33.12	100	320	A	H
	*	5210	104.92	-	-	96.39	31.56	10.09	33.12	100	320	P	H
	*	5210	97.17	-	-	88.64	31.56	10.09	33.12	100	320	A	H
		5376.28	50.59	-23.41	74	42.1	31.46	10.14	33.11	100	320	P	H
		5376.02	42.39	-11.61	54	33.9	31.46	10.14	33.11	100	320	A	H
		5146.54	58.57	-15.43	74	49.77	31.89	10.03	33.12	111	297	P	V
		5137.36	51.57	-2.43	54	42.8	31.87	10.02	33.12	111	297	A	V
	*	5210	104.57	-	-	96.04	31.56	10.09	33.12	111	297	P	V
	*	5210	96.58	-	-	88.05	31.56	10.09	33.12	111	297	A	V
		5433.48	48.71	-25.29	74	39.95	31.67	10.2	33.11	111	297	P	V
		5452.72	40.85	-13.15	54	32.02	31.71	10.23	33.11	111	297	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	48.77	-19.43	68.2	56.48	39.7	16.39	63.8	100	0	P	H
		15630	45.44	-28.56	74	48.94	37.85	20.6	61.95	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.49	-19.71	68.2	56.2	39.7	16.39	63.8	100	0	P	V
5210MHz		15630	45.85	-28.15	74	49.35	37.85	20.6	61.95	100	0	P	V
													V
													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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5086.7	51.27	-22.73	74	42.67	31.75	9.97	33.12	309	52	P	H
		5145.52	42.7	-11.3	54	33.9	31.89	10.03	33.12	309	52	A	H
	*	5260	115.47	-	-	107.09	31.38	10.11	33.11	309	52	P	H
	*	5260	108.21	-	-	99.83	31.38	10.11	33.11	309	52	A	H
		5431.2	50.55	-23.45	74	41.8	31.66	10.2	33.11	309	52	P	H
		5350.56	43.23	-10.77	54	34.9	31.3	10.14	33.11	309	52	A	H
		5104.72	50.82	-23.18	74	42.14	31.81	9.99	33.12	100	63	P	V
		5146.88	41.62	-12.38	54	32.82	31.89	10.03	33.12	100	63	A	V
	*	5260	112.29	-	-	103.91	31.38	10.11	33.11	100	63	P	V
	*	5260	105.38	-	-	97	31.38	10.11	33.11	100	63	A	V
		5418	50.51	-23.49	74	41.8	31.64	10.18	33.11	100	63	P	V
		5350.32	42.36	-11.64	54	34.03	31.3	10.14	33.11	100	63	A	V
802.11a CH 60 5300MHz		5087.04	50.5	-23.5	74	41.9	31.75	9.97	33.12	144	331	P	H
		5145.52	42.58	-11.42	54	33.78	31.89	10.03	33.12	144	331	A	H
	*	5300	116.1	-	-	107.79	31.3	10.12	33.11	144	331	P	H
	*	5300	106.58	-	-	98.27	31.3	10.12	33.11	144	331	A	H
		5350.8	53.76	-20.24	74	45.43	31.3	10.14	33.11	144	331	P	H
		5350.08	45.48	-8.52	54	37.15	31.3	10.14	33.11	144	331	A	H
		5143.48	50.48	-23.52	74	41.68	31.89	10.03	33.12	100	297	P	V
		5145.86	42.23	-11.77	54	33.43	31.89	10.03	33.12	100	297	A	V
	*	5300	114.12	-	-	105.81	31.3	10.12	33.11	100	297	P	V
	*	5300	106.82	-	-	98.51	31.3	10.12	33.11	100	297	A	V
		5358	51.68	-22.32	74	43.3	31.35	10.14	33.11	100	297	P	V
		5350.32	43.64	-10.36	54	35.31	31.3	10.14	33.11	100	297	A	V

802.11a CH 64 5320MHz	*	5320	114.74	-	-	106.42	31.3	10.13	33.11	305	47	P	H
	*	5320	107.41	-	-	99.09	31.3	10.13	33.11	305	47	A	H
		5364.32	55.48	-18.52	74	47.06	31.39	10.14	33.11	305	47	P	H
		5350.08	47.26	-6.74	54	38.93	31.3	10.14	33.11	305	47	A	H
													H
													H
	*	5320	112.11	-	-	103.79	31.3	10.13	33.11	107	61	P	V
	*	5320	104.97	-	-	96.65	31.3	10.13	33.11	107	61	A	V
		5358.72	54.26	-19.74	74	45.88	31.35	10.14	33.11	107	61	P	V
		5354.4	44.78	-9.22	54	36.42	31.33	10.14	33.11	107	61	A	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	48.38	-19.82	68.2	55.91	39.7	16.46	63.69	100	0	P	H
		15780	46.53	-27.47	74	50.39	37.58	20.57	62.01	100	0	P	H
													H
													H
		10520	49.01	-19.19	68.2	56.54	39.7	16.46	63.69	100	0	P	V
		15780	46.2	-27.8	74	50.06	37.58	20.57	62.01	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	49.31	-24.69	74	56.74	39.7	16.51	63.64	100	0	P	H
		15900	45.74	-28.26	74	50.06	37.2	20.54	62.06	100	0	P	H
													H
													H
		10600	50.45	-23.55	74	57.88	39.7	16.51	63.64	100	0	P	V
		15900	45.74	-28.26	74	50.06	37.2	20.54	62.06	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10460	48.02	-20.18	68.2	55.65	39.7	16.42	63.75	100	0	P	H
		15690	45.74	-28.26	74	49.58	37.55	20.59	61.98	100	0	P	H
													H
													H
		10460	47.34	-20.86	68.2	54.97	39.7	16.42	63.75	100	0	P	V
		15690	46.48	-27.52	74	50.32	37.55	20.59	61.98	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5143.82	50.83	-23.17	74	42.03	31.89	10.03	33.12	327	51	P	H
		5145.52	42.25	-11.75	54	33.45	31.89	10.03	33.12	327	51	A	H
	*	5260	115.43	-	-	107.05	31.38	10.11	33.11	327	51	P	H
	*	5260	108.02	-	-	99.64	31.38	10.11	33.11	327	51	A	H
802.11ac		5354.16	51.48	-22.52	74	43.13	31.32	10.14	33.11	327	51	P	H
VHT20		5350.32	43.07	-10.93	54	34.74	31.3	10.14	33.11	327	51	A	H
CH 52		5125.46	50.1	-23.9	74	41.36	31.85	10.01	33.12	100	62	P	V
5260MHz		5130.22	41.65	-12.35	54	32.9	31.86	10.01	33.12	100	62	A	V
	*	5260	112.34	-	-	103.96	31.38	10.11	33.11	100	62	P	V
	*	5260	104.95	-	-	96.57	31.38	10.11	33.11	100	62	A	V
		5417.28	50.13	-23.87	74	41.43	31.63	10.18	33.11	100	62	P	V
		5356.56	42.14	-11.86	54	33.77	31.34	10.14	33.11	100	62	A	V
		5100.3	50.5	-23.5	74	41.84	31.8	9.98	33.12	295	49	P	H
		5145.52	42.34	-11.66	54	33.54	31.89	10.03	33.12	295	49	A	H
	*	5300	114.56	-	-	106.25	31.3	10.12	33.11	295	49	P	H
	*	5300	106.4	-	-	98.09	31.3	10.12	33.11	295	49	A	H
802.11ac		5352.24	55.03	-18.97	74	46.69	31.31	10.14	33.11	295	49	P	H
VHT20		5351.04	46.76	-7.24	54	38.42	31.31	10.14	33.11	295	49	A	H
CH 60		5081.26	50.53	-23.47	74	41.96	31.73	9.96	33.12	107	60	P	V
5300MHz		5088.4	41.56	-12.44	54	32.96	31.75	9.97	33.12	107	60	A	V
	*	5300	110.85	-	-	102.54	31.3	10.12	33.11	107	60	P	V
	*	5300	103.02	-	-	94.71	31.3	10.12	33.11	107	60	A	V
		5355.12	52.35	-21.65	74	43.99	31.33	10.14	33.11	107	60	P	V
		5350.08	44.42	-9.58	54	36.09	31.3	10.14	33.11	107	60	A	V

	*	5320	114.41	-	-	106.09	31.3	10.13	33.11	320	52	P	H
	*	5320	107.27	-	-	98.95	31.3	10.13	33.11	320	52	A	H
		5362.72	56.13	-17.87	74	47.72	31.38	10.14	33.11	320	52	P	H
		5360.48	46.7	-7.3	54	38.31	31.36	10.14	33.11	320	52	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	111.32	-	-	103	31.3	10.13	33.11	100	64	P	V
5320MHz	*	5320	103.4	-	-	95.08	31.3	10.13	33.11	100	64	A	V
		5368	52.87	-21.13	74	44.43	31.41	10.14	33.11	100	64	P	V
		5351.04	44.58	-9.42	54	36.24	31.31	10.14	33.11	100	64	A	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	50.15	-18.05	68.2	57.68	39.7	16.46	63.69	100	0	P	H
		15780	46.22	-27.78	74	50.08	37.58	20.57	62.01	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	49.6	-18.6	68.2	57.13	39.7	16.46	63.69	100	0	P	V
5260MHz		15780	45.96	-28.04	74	49.82	37.58	20.57	62.01	100	0	P	V
													V
													V
		10600	49.18	-24.82	74	56.61	39.7	16.51	63.64	100	0	P	H
		15900	45.68	-28.32	74	50	37.2	20.54	62.06	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	49.71	-24.29	74	57.14	39.7	16.51	63.64	100	0	P	V
5300MHz		15900	45.14	-28.86	74	49.46	37.2	20.54	62.06	100	0	P	V
													V
													V
		10640	49.05	-24.95	74	56.47	39.66	16.54	63.62	100	0	P	H
		15960	46.25	-27.75	74	50.78	37.02	20.53	62.08	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	49.64	-24.36	74	57.06	39.66	16.54	63.62	100	0	P	V
5320MHz		15960	45.99	-28.01	74	50.52	37.02	20.53	62.08	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5143.14	50.66	-23.34	74	41.86	31.89	10.03	33.12	309	50	P	H
		5145.52	43.86	-10.14	54	35.06	31.89	10.03	33.12	309	50	A	H
	*	5270	112.39	-	-	104.03	31.36	10.11	33.11	309	50	P	H
	*	5270	104.8	-	-	96.44	31.36	10.11	33.11	309	50	A	H
802.11ac		5350.56	54.73	-19.27	74	46.4	31.3	10.14	33.11	309	50	P	H
VHT40		5351.52	47.42	-6.58	54	39.08	31.31	10.14	33.11	309	50	A	H
CH 54		5080.24	50.72	-23.28	74	42.16	31.72	9.96	33.12	103	277	P	V
5270MHz		5145.52	42.83	-11.17	54	34.03	31.89	10.03	33.12	103	277	A	V
	*	5270	112.08	-	-	103.72	31.36	10.11	33.11	103	277	P	V
	*	5270	104.28	-	-	95.92	31.36	10.11	33.11	103	277	A	V
		5356.08	52.74	-21.26	74	44.37	31.34	10.14	33.11	103	277	P	V
		5350.08	45.32	-8.68	54	36.99	31.3	10.14	33.11	103	277	A	V
		5128.52	50.22	-23.78	74	41.47	31.86	10.01	33.12	304	49	P	H
		5145.52	42.91	-11.09	54	34.11	31.89	10.03	33.12	304	49	A	H
	*	5310	112.05	-	-	103.74	31.3	10.12	33.11	304	49	P	H
	*	5310	104	-	-	95.69	31.3	10.12	33.11	304	49	A	H
802.11ac		5351.04	59.6	-14.4	74	51.26	31.31	10.14	33.11	304	49	P	H
VHT40		5350.08	51.5	-2.5	54	43.17	31.3	10.14	33.11	304	49	A	H
CH 62		5088.4	49.96	-24.04	74	41.36	31.75	9.97	33.12	100	270	P	V
5310MHz		5145.86	43.15	-10.85	54	34.35	31.89	10.03	33.12	100	270	A	V
	*	5310	110.55	-	-	102.24	31.3	10.12	33.11	100	270	P	V
	*	5310	101.89	-	-	93.58	31.3	10.12	33.11	100	270	A	V
		5355.12	57.67	-16.33	74	49.31	31.33	10.14	33.11	100	270	P	V
		5353.68	48.38	-5.62	54	40.03	31.32	10.14	33.11	100	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 VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	50.42	-17.78	68.2	57.93	39.7	16.47	63.68	100	0	P	H
		15810	45.22	-28.78	74	49.12	37.56	20.56	62.02	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	50.97	-17.23	68.2	58.48	39.7	16.47	63.68	100	0	P	V
5270MHz		15810	45.78	-28.22	74	49.68	37.56	20.56	62.02	100	0	P	V
													V
													V
		10620	49.18	-24.82	74	56.61	39.68	16.52	63.63	100	0	P	H
		15930	45.19	-28.81	74	49.61	37.11	20.54	62.07	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	47.67	-26.33	74	55.1	39.68	16.52	63.63	100	0	P	V
5310MHz		15930	44.98	-29.02	74	49.4	37.11	20.54	62.07	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5080.4	50.74	-23.26	74	42.18	31.72	9.96	33.12	125	315	P	H
		5145.5	43.23	-10.77	54	34.43	31.89	10.03	33.12	125	315	A	H
	*	5290	103.87	-	-	95.54	31.32	10.12	33.11	125	315	P	H
	*	5290	96.06	-	-	87.73	31.32	10.12	33.11	125	315	A	H
802.11ac		5355.12	61.32	-12.68	74	52.96	31.33	10.14	33.11	125	315	P	H
VHT80		5356.56	52.51	-1.49	54	44.14	31.34	10.14	33.11	125	315	A	H
CH 58		5065.4	50.28	-23.72	74	41.8	31.66	9.94	33.12	100	278	P	V
5290MHz		5145.5	42.5	-11.5	54	33.7	31.89	10.03	33.12	100	278	A	V
	*	5290	101.77	-	-	93.44	31.32	10.12	33.11	100	278	P	V
	*	5290	93.83	-	-	85.5	31.32	10.12	33.11	100	278	A	V
		5352	58.79	-15.21	74	50.45	31.31	10.14	33.11	100	278	P	V
		5350.56	51.52	-2.48	54	43.19	31.3	10.14	33.11	100	278	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.94	-21.26	68.2	54.39	39.7	16.5	63.65	100	0	P	H
		15870	46.89	-27.11	74	51.07	37.32	20.55	62.05	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	47.16	-21.04	68.2	54.61	39.7	16.5	63.65	100	0	P	V
5290MHz		15870	45.56	-28.44	74	49.74	37.32	20.55	62.05	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5455.6	53.52	-20.48	74	44.67	31.72	10.24	33.11	317	35	P	H
		5470	54.99	-13.21	68.2	46.06	31.78	10.26	33.11	317	35	P	H
		5460	44.77	-9.23	54	35.9	31.74	10.24	33.11	317	35	A	H
	*	5500	116.61	-	-	107.51	31.9	10.31	33.11	317	35	P	H
	*	5500	109.3	-	-	100.2	31.9	10.31	33.11	317	35	A	H
													H
		5455.12	52.78	-21.22	74	43.93	31.72	10.24	33.11	100	59	P	V
		5467.12	52.83	-15.37	68.2	43.92	31.77	10.25	33.11	100	59	P	V
		5454.48	42.98	-11.02	54	34.14	31.72	10.23	33.11	100	59	A	V
	*	5500	112.7	-	-	103.6	31.9	10.31	33.11	100	59	P	V
	*	5500	105.38	-	-	96.28	31.9	10.31	33.11	100	59	A	V
													V
802.11a CH 116 5580MHz		5448.88	50.58	-23.42	74	41.76	31.7	10.23	33.11	306	34	P	H
		5467.12	51.73	-16.47	68.2	42.82	31.77	10.25	33.11	306	34	P	H
		5456.56	41.68	-12.32	54	32.82	31.73	10.24	33.11	306	34	A	H
	*	5580	116.89	-	-	107.8	31.8	10.43	33.14	306	34	P	H
	*	5580	110.14	-	-	101.05	31.8	10.43	33.14	306	34	A	H
		5762.48	52.7	-15.5	68.2	43.22	32.12	10.55	33.19	306	34	P	H
		5398	49.72	-24.28	74	41.09	31.59	10.15	33.11	100	61	P	V
		5467.36	48.53	-19.67	68.2	39.62	31.77	10.25	33.11	100	61	P	V
		5452.48	40.9	-13.1	54	32.07	31.71	10.23	33.11	100	61	A	V
	*	5580	113.31	-	-	104.22	31.8	10.43	33.14	100	61	P	V
	*	5580	105.91	-	-	96.82	31.8	10.43	33.14	100	61	A	V
		5725.625	50.04	-18.16	68.2	40.64	32.05	10.53	33.18	100	61	P	V

802.11a CH 140 5700MHz	*	5700	117.51	-	-	108.17	32	10.51	33.17	300	37	P	H
	*	5700	109.99	-	-	100.65	32	10.51	33.17	300	37	A	H
		5729.08	59.92	-8.28	68.2	50.51	32.06	10.53	33.18	300	37	P	H
													H
													H
													H
	*	5700	112.88	-	-	103.54	32	10.51	33.17	100	63	P	V
	*	5700	105.37	-	-	96.03	32	10.51	33.17	100	63	A	V
		5733.56	56.75	-11.45	68.2	47.33	32.07	10.53	33.18	100	63	P	V
													V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.4	-26.6	74	54.04	40	16.76	63.4	100	0	P	H
		16500	46.99	-21.21	68.2	49.4	38.7	21.19	62.3	100	0	P	H
													H
													H
		11000	47.38	-26.62	74	54.02	40	16.76	63.4	100	0	P	V
		16500	46.96	-21.24	68.2	49.37	38.7	21.19	62.3	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.59	-25.41	74	55.55	39.48	16.99	63.43	100	0	P	H
		16740	48.1	-20.1	68.2	49.19	39.56	21.51	62.16	100	0	P	H
													H
													H
		11160	48.29	-25.71	74	55.25	39.48	16.99	63.43	100	0	P	V
		16740	47.69	-20.51	68.2	48.78	39.56	21.51	62.16	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.72	-26.28	74	54.16	39.7	17.34	63.48	100	0	P	H
		17100	49.27	-18.93	68.2	49.08	40.1	21.95	61.86	100	0	P	H
													H
													H
		11400	47.41	-26.59	74	53.85	39.7	17.34	63.48	100	0	P	V
		17100	49.14	-19.06	68.2	48.95	40.1	21.95	61.86	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5449.68	57	-17	74	48.18	31.7	10.23	33.11	317	32	P	H
		5466.96	59.04	-9.16	68.2	50.13	31.77	10.25	33.11	317	32	P	H
		5460	47.59	-6.41	54	38.72	31.74	10.24	33.11	317	32	A	H
	*	5500	116.16	-	-	107.06	31.9	10.31	33.11	317	32	P	H
802.11ac	*	5500	108.68	-	-	99.58	31.9	10.31	33.11	317	32	A	H
VHT20													H
CH 100		5450.16	54.25	-19.75	74	45.43	31.7	10.23	33.11	100	62	P	V
5500MHz		5467.28	55.39	-12.81	68.2	46.48	31.77	10.25	33.11	100	62	P	V
		5449.52	45.43	-8.57	54	36.61	31.7	10.23	33.11	100	62	A	V
	*	5500	112.06	-	-	102.96	31.9	10.31	33.11	100	62	P	V
	*	5500	104.5	-	-	95.4	31.9	10.31	33.11	100	62	A	V
													V
		5458.48	50.11	-23.89	74	41.25	31.73	10.24	33.11	323	32	P	H
		5466.4	51.96	-16.24	68.2	43.05	31.77	10.25	33.11	323	32	P	H
		5427.04	41.64	-12.36	54	32.91	31.65	10.19	33.11	323	32	A	H
	*	5580	116.54	-	-	107.45	31.8	10.43	33.14	323	32	P	H
802.11ac	*	5580	109.41	-	-	100.32	31.8	10.43	33.14	323	32	A	H
VHT20		5763.11	51.71	-16.49	68.2	42.22	32.13	10.55	33.19	323	32	P	H
CH 116		5361.52	49.6	-24.4	74	41.2	31.37	10.14	33.11	100	60	P	V
5580MHz		5464.72	50.41	-17.79	68.2	41.51	31.76	10.25	33.11	100	60	P	V
		5453.44	40.96	-13.04	54	32.13	31.71	10.23	33.11	100	60	A	V
	*	5580	112.19	-	-	103.1	31.8	10.43	33.14	100	60	P	V
	*	5580	104.51	-	-	95.42	31.8	10.43	33.14	100	60	A	V
		5734.13	51.22	-16.98	68.2	41.8	32.07	10.53	33.18	100	60	P	V

	*	5700	116.56	-	-	107.22	32	10.51	33.17	300	36	P	H
	*	5700	108.63	-	-	99.29	32	10.51	33.17	300	36	A	H
		5725.08	59.88	-8.32	68.2	50.48	32.05	10.53	33.18	300	36	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	112.71	-	-	103.37	32	10.51	33.17	100	62	P	V
5700MHz	*	5700	105.07	-	-	95.73	32	10.51	33.17	100	62	A	V
		5727.8	56.33	-11.87	68.2	46.92	32.06	10.53	33.18	100	62	P	V
													V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	47.27	-26.73	74	53.91	40	16.76	63.4	100	0	P	H
		16500	47.54	-20.66	68.2	49.95	38.7	21.19	62.3	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	47.21	-26.79	74	53.85	40	16.76	63.4	100	0	P	V
5500MHz		16500	46.34	-21.86	68.2	48.75	38.7	21.19	62.3	100	0	P	V
													V
													V
		11160	48.71	-25.29	74	55.67	39.48	16.99	63.43	100	0	P	H
		16740	48.47	-19.73	68.2	49.56	39.56	21.51	62.16	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	48.61	-25.39	74	55.57	39.48	16.99	63.43	100	0	P	V
5580MHz		16740	47.98	-20.22	68.2	49.07	39.56	21.51	62.16	100	0	P	V
													V
													V
		11400	47.83	-26.17	74	54.27	39.7	17.34	63.48	100	0	P	H
		17100	49.29	-18.91	68.2	49.1	40.1	21.95	61.86	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	47.96	-26.04	74	54.4	39.7	17.34	63.48	100	0	P	V
5700MHz		17100	49.16	-19.04	68.2	48.97	40.1	21.95	61.86	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.52	60.21	-13.79	74	51.35	31.73	10.24	33.11	312	33	P	H
		5470	62.85	-5.35	68.2	53.92	31.78	10.26	33.11	312	33	P	H
		5457.52	51.99	-2.01	54	43.13	31.73	10.24	33.11	312	33	A	H
	*	5510	115.02	-	-	105.93	31.88	10.32	33.11	312	33	P	H
802.11ac	*	5510	107.09	-	-	98	31.88	10.32	33.11	312	33	A	H
VHT40		5737.595	51.48	-16.72	68.2	42.05	32.08	10.54	33.19	312	33	P	H
CH 102		5456.8	57.56	-16.44	74	48.7	31.73	10.24	33.11	105	60	P	V
5510MHz		5465.92	57.92	-10.28	68.2	49.02	31.76	10.25	33.11	105	60	P	V
		5457.76	49.41	-4.59	54	40.55	31.73	10.24	33.11	105	60	A	V
	*	5510	110.38	-	-	101.29	31.88	10.32	33.11	105	60	P	V
	*	5510	102.44	-	-	93.35	31.88	10.32	33.11	105	60	A	V
		5757.755	50.7	-17.5	68.2	41.22	32.12	10.55	33.19	105	60	P	V
		5457.04	54.72	-19.28	74	45.86	31.73	10.24	33.11	311	34	P	H
		5467.36	56.12	-12.08	68.2	47.21	31.77	10.25	33.11	311	34	P	H
		5458.72	45.51	-8.49	54	36.65	31.73	10.24	33.11	311	34	A	H
	*	5550	115.85	-	-	106.8	31.8	10.38	33.13	311	34	P	H
802.11ac	*	5550	107.76	-	-	98.71	31.8	10.38	33.13	311	34	A	H
VHT40		5738.54	52.16	-16.04	68.2	42.73	32.08	10.54	33.19	311	34	P	H
CH 110		5456.8	51.79	-22.21	74	42.93	31.73	10.24	33.11	100	61	P	V
5550MHz		5468.56	52.27	-15.93	68.2	43.35	31.77	10.26	33.11	100	61	P	V
		5457.52	43.86	-10.14	54	35	31.73	10.24	33.11	100	61	A	V
	*	5550	110.84	-	-	101.79	31.8	10.38	33.13	100	61	P	V
	*	5550	102.9	-	-	93.85	31.8	10.38	33.13	100	61	A	V
		5735.39	50.19	-18.01	68.2	40.78	32.07	10.53	33.19	100	61	P	V

		5450.45	50.02	-23.98	74	41.2	31.7	10.23	33.11	302	35	P	H
		5469.7	49.48	-18.72	68.2	40.55	31.78	10.26	33.11	302	35	P	H
		5452.55	41.47	-12.53	54	32.64	31.71	10.23	33.11	302	35	A	H
	*	5670	114.64	-	-	105.48	31.82	10.5	33.16	302	35	P	H
802.11ac	*	5670	106.89	-	-	97.73	31.82	10.5	33.16	302	35	A	H
VHT40		5725.45	65.42	-2.78	68.2	56.02	32.05	10.53	33.18	302	35	P	H
CH 134		5434.7	49.83	-24.17	74	41.07	31.67	10.2	33.11	100	239	P	V
5670MHz		5464.45	49.24	-18.96	68.2	40.34	31.76	10.25	33.11	100	239	P	V
		5452.9	40.95	-13.05	54	32.12	31.71	10.23	33.11	100	239	A	V
	*	5670	110.36	-	-	101.2	31.82	10.5	33.16	100	239	P	V
	*	5670	102.86	-	-	93.7	31.82	10.5	33.16	100	239	A	V
		5728.95	58.3	-9.9	68.2	48.89	32.06	10.53	33.18	100	239	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.6	-26.4	74	54.29	39.92	16.79	63.4	100	0	P	H
		16530	47.72	-20.48	68.2	50.01	38.76	21.23	62.28	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	46.35	-27.65	74	53.04	39.92	16.79	63.4	100	0	P	V
5510MHz		16530	47.31	-20.89	68.2	49.6	38.76	21.23	62.28	100	0	P	V
													V
													V
		11100	47.14	-26.86	74	54.05	39.6	16.91	63.42	100	0	P	H
		16650	47.36	-20.84	68.2	49.13	39.05	21.39	62.21	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	47.29	-26.71	74	54.2	39.6	16.91	63.42	100	0	P	V
5550MHz		16650	47.41	-20.79	68.2	49.18	39.05	21.39	62.21	100	0	P	V
													V
													V
		11340	47.39	-26.61	74	54.02	39.58	17.26	63.47	100	0	P	H
		17010	48.18	-20.02	68.2	48.29	40.01	21.87	61.99	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	47.27	-26.73	74	53.9	39.58	17.26	63.47	100	0	P	V
5670MHz		17010	47.83	-20.37	68.2	47.94	40.01	21.87	61.99	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.56	59.88	-14.12	74	51.02	31.73	10.24	33.11	299	39	P	H
		5470	59.75	-8.45	68.2	50.82	31.78	10.26	33.11	299	39	P	H
		5456.32	52.32	-1.68	54	43.46	31.73	10.24	33.11	299	39	A	H
	*	5530	109.35	-	-	100.28	31.84	10.35	33.12	299	39	P	H
802.11ac	*	5530	102.21	-	-	93.14	31.84	10.35	33.12	299	39	A	H
VHT80		5736.965	49.81	-18.39	68.2	40.39	32.07	10.54	33.19	299	39	P	H
CH 106		5458	58.63	-15.37	74	49.77	31.73	10.24	33.11	107	58	P	V
5530MHz		5461.36	57.04	-11.16	68.2	48.15	31.75	10.25	33.11	107	58	P	V
		5458	49.98	-4.02	54	41.12	31.73	10.24	33.11	107	58	A	V
	*	5530	105.95	-	-	96.88	31.84	10.35	33.12	107	58	P	V
	*	5530	98.48	-	-	89.41	31.84	10.35	33.12	107	58	A	V
		5750.195	48.68	-19.52	68.2	39.23	32.1	10.54	33.19	107	58	P	V
		5457.1	51.57	-22.43	74	42.71	31.73	10.24	33.11	288	39	P	H
		5466.2	53.3	-14.9	68.2	44.4	31.76	10.25	33.11	288	39	P	H
		5458.15	43.65	-10.35	54	34.79	31.73	10.24	33.11	288	39	A	H
	*	5610	110.41	-	-	101.31	31.78	10.47	33.15	288	39	P	H
802.11ac	*	5610	103.58	-	-	94.48	31.78	10.47	33.15	288	39	A	H
VHT80		5735.95	55.34	-12.86	68.2	45.93	32.07	10.53	33.19	288	39	P	H
CH 122		5452.55	50.23	-23.77	74	41.4	31.71	10.23	33.11	100	59	P	V
5610MHz		5465.15	48.94	-19.26	68.2	40.04	31.76	10.25	33.11	100	59	P	V
		5457.8	42.45	-11.55	54	33.59	31.73	10.24	33.11	100	59	A	V
	*	5610	106.59	-	-	97.49	31.78	10.47	33.15	100	59	P	V
	*	5610	99.12	-	-	90.02	31.78	10.47	33.15	100	59	A	V
		5733.5	52.42	-15.78	68.2	43	32.07	10.53	33.18	100	59	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.63	-26.37	74	54.43	39.76	16.85	63.41	100	0	P	H
		16590	47.35	-20.85	68.2	49.41	38.88	21.31	62.25	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.2	-26.8	74	54	39.76	16.85	63.41	100	0	P	V
5530MHz		16590	47.67	-20.53	68.2	49.73	38.88	21.31	62.25	100	0	P	V
													V
													V
		11220	46.71	-27.29	74	53.65	39.42	17.08	63.44	100	0	P	H
		16830	48.66	-19.54	68.2	49.09	40.04	21.63	62.1	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	46.23	-27.77	74	53.17	39.42	17.08	63.44	100	0	P	V
5610MHz		16830	48.82	-19.38	68.2	49.25	40.04	21.63	62.1	100	0	P	V
													V
													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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5451.79	48.91	-25.09	74	40.08	31.71	10.23	33.11	308	36	P	H
		5469.34	48.07	-20.13	68.2	39.14	31.78	10.26	33.11	308	36	P	H
		5459.2	40.51	-13.49	54	31.64	31.74	10.24	33.11	308	36	A	H
	*	5720	116.88	-	-	107.49	32.04	10.53	33.18	308	36	P	H
	*	5720	109.45	-	-	100.06	32.04	10.53	33.18	308	36	A	H
		5916	52.49	-15.71	68.2	42.58	32.53	10.62	33.24	308	36	P	H
		5439.7	49.82	-24.18	74	41.04	31.68	10.21	33.11	104	59	P	V
		5466.61	48.35	-19.85	68.2	39.44	31.77	10.25	33.11	104	59	P	V
		5459.59	40.32	-13.68	54	31.45	31.74	10.24	33.11	104	59	A	V
	*	5720	112.57	-	-	103.18	32.04	10.53	33.18	104	59	P	V
	*	5720	105.09	-	-	95.7	32.04	10.53	33.18	104	59	A	V
		5943	50.78	-17.42	68.2	40.81	32.59	10.63	33.25	104	59	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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	47.06	-26.94	74	53.45	39.7	17.4	63.49	100	0	P	H
		17160	49.29	-18.91	68.2	48.79	40.28	22	61.78	100	0	P	H
													H
													H
		11440	47.47	-26.53	74	53.86	39.7	17.4	63.49	100	0	P	V
		17160	48.25	-19.95	68.2	47.75	40.28	22	61.78	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 144 5720MHz		5414.74	49.94	-24.06	74	41.25	31.63	10.17	33.11	300	35	P	H
		5465.44	48.13	-20.07	68.2	39.23	31.76	10.25	33.11	300	35	P	H
		5457.25	40.51	-13.49	54	31.65	31.73	10.24	33.11	300	35	A	H
	*	5720	115.88	-	-	106.49	32.04	10.53	33.18	300	35	P	H
	*	5720	107.95	-	-	98.56	32.04	10.53	33.18	300	35	A	H
		5894.75	52.41	-15.79	68.2	42.56	32.48	10.61	33.24	300	35	P	H
		5447.89	49.33	-24.67	74	40.52	31.7	10.22	33.11	100	60	P	V
		5463.49	48.21	-19.99	68.2	39.32	31.75	10.25	33.11	100	60	P	V
		5459.59	40.3	-13.7	54	31.43	31.74	10.24	33.11	100	60	A	V
	*	5720	111.85	-	-	102.46	32.04	10.53	33.18	100	60	P	V
	*	5720	104.74	-	-	95.35	32.04	10.53	33.18	100	60	A	V
		5912.75	50.6	-17.6	68.2	40.69	32.53	10.62	33.24	100	60	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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	47.05	-26.95	74	53.44	39.7	17.4	63.49	100	0	P	H
		17160	49.43	-18.77	68.2	48.93	40.28	22	61.78	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	47.14	-26.86	74	53.53	39.7	17.4	63.49	100	0	P	V
5720MHz		17160	48.09	-20.11	68.2	47.59	40.28	22	61.78	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 142 5710MHz		5440.09	49.97	-24.03	74	41.19	31.68	10.21	33.11	313	37	P	H
		5465.44	49.3	-18.9	68.2	40.4	31.76	10.25	33.11	313	37	P	H
		5456.86	41.32	-12.68	54	32.46	31.73	10.24	33.11	313	37	A	H
	*	5710	114.19	-	-	104.83	32.02	10.52	33.18	313	37	P	H
	*	5710	106.6	-	-	97.24	32.02	10.52	33.18	313	37	A	H
		5871.75	51.6	-16.6	68.2	41.84	32.39	10.6	33.23	313	37	P	H
		5418.64	49.32	-24.68	74	40.61	31.64	10.18	33.11	100	62	P	V
		5460.37	47.54	-20.66	68.2	38.67	31.74	10.24	33.11	100	62	P	V
		5458.42	41.16	-12.84	54	32.3	31.73	10.24	33.11	100	62	A	V
	*	5710	110.71	-	-	101.35	32.02	10.52	33.18	100	62	P	V
	*	5710	102.58	-	-	93.22	32.02	10.52	33.18	100	62	A	V
		5898.75	51.12	-17.08	68.2	41.26	32.49	10.61	33.24	100	62	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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	46.39	-27.61	74	52.8	39.7	17.37	63.48	100	0	P	H
		17130	49.86	-18.34	68.2	49.52	40.19	21.97	61.82	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	46.69	-27.31	74	53.1	39.7	17.37	63.48	100	0	P	V
5710MHz		17130	48.88	-19.32	68.2	48.54	40.19	21.97	61.82	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5417.86	47.84	-26.16	74	39.13	31.64	10.18	33.11	300	38	P	H
		5464.66	48.46	-19.74	68.2	39.56	31.76	10.25	33.11	300	38	P	H
		5455.3	39.77	-14.23	54	30.92	31.72	10.24	33.11	300	38	A	H
	*	5690	110.27	-	-	100.99	31.94	10.51	33.17	300	38	P	H
802.11ac	*	5690	103.27	-	-	93.99	31.94	10.51	33.17	300	38	A	H
VHT80		5866.3	51.24	-16.96	68.2	41.5	32.37	10.6	33.23	300	38	P	H
CH 138		5388.61	48.26	-25.74	74	39.69	31.53	10.15	33.11	100	62	P	V
5690MHz		5465.44	48.17	-20.03	68.2	39.27	31.76	10.25	33.11	100	62	P	V
		5438.53	39.58	-14.42	54	30.8	31.68	10.21	33.11	100	62	A	V
	*	5690	105.51	-	-	96.23	31.94	10.51	33.17	100	62	P	V
	*	5690	97.93	-	-	88.65	31.94	10.51	33.17	100	62	A	V
		5884.3	49.27	-18.93	68.2	39.46	32.44	10.6	33.23	100	62	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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.95	-26.05	74	54.46	39.66	17.31	63.48	100	0	P	H
		17070	48.61	-19.59	68.2	48.52	40.07	21.92	61.9	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	47.45	-26.55	74	53.96	39.66	17.31	63.48	100	0	P	V
5690MHz		17070	49.06	-19.14	68.2	48.97	40.07	21.92	61.9	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		40.67	26.04	-13.96	40	38.07	19.4	0.94	32.37	-	-	P	H
		64.92	22.55	-17.45	40	41.8	12	1.11	32.36	-	-	P	H
		105.66	23.72	-19.78	43.5	37.95	16.7	1.39	32.32	-	-	P	H
		923.37	32.8	-13.2	46	30.09	29.57	4.27	31.13	-	-	P	H
		945.68	33.43	-12.57	46	29.39	30.64	4.33	30.93	-	-	P	H
		958.29	33.56	-12.44	46	28.88	31.13	4.36	30.81	100	0	P	H
													H
													H
													H
													H
													H
													H
		40.67	29.23	-10.77	40	41.26	19.4	0.94	32.37	100	25	QP	V
		78.5	26.55	-13.45	40	44.41	13.25	1.23	32.34	-	-	P	V
		189.08	22.62	-20.88	43.5	38.13	14.8	1.94	32.25	-	-	P	V
		903	32.54	-13.46	46	30.62	29.02	4.22	31.32	-	-	P	V
		929.19	32.6	-13.4	46	29.71	29.68	4.29	31.08	-	-	P	V
		942.77	33.86	-12.14	46	30.02	30.47	4.33	30.96	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

<SKU 2>

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5146.88	51.24	-22.76	74	42.44	31.89	10.03	33.12	126	308	P	H
		5145.52	44.2	-9.8	54	35.4	31.89	10.03	33.12	126	308	A	H
	*	5210	102.8	-	-	94.27	31.56	10.09	33.12	126	308	P	H
	*	5210	93.19	-	-	84.66	31.56	10.09	33.12	126	308	A	H
802.11ac		5450.12	49.6	-24.4	74	40.78	31.7	10.23	33.11	126	308	P	H
VHT80		5452.72	40.83	-13.17	54	32	31.71	10.23	33.11	126	308	A	H
CH 42		5136.68	53.56	-20.44	74	44.79	31.87	10.02	33.12	100	254	P	V
5210MHz		5136.34	46.38	-7.62	54	37.61	31.87	10.02	33.12	100	254	A	V
	*	5210	105.57	-	-	97.04	31.56	10.09	33.12	100	254	P	V
	*	5210	97.89	-	-	89.36	31.56	10.09	33.12	100	254	A	V
		5367.18	48.66	-25.34	74	40.23	31.4	10.14	33.11	100	254	P	V
		5452.72	42.06	-11.94	54	33.23	31.71	10.23	33.11	100	254	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	48.39	-19.81	68.2	56.1	39.7	16.39	63.8	100	0	P	H
		15630	45.61	-28.39	74	49.11	37.85	20.6	61.95	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.24	-19.96	68.2	55.95	39.7	16.39	63.8	100	0	P	V
5210MHz		15630	45.51	-28.49	74	49.01	37.85	20.6	61.95	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ac VHT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		40.67	30.83	-9.17	40	42.86	19.4	0.94	32.37	100	0	P	H
		63.95	21.29	-18.71	40	40.56	11.99	1.1	32.36	-	-	P	H
		114.39	24.65	-18.85	43.5	38.22	17.3	1.44	32.31	-	-	P	H
		928.22	33.61	-12.39	46	30.75	29.66	4.29	31.09	-	-	P	H
		949.56	33.86	-12.14	46	29.54	30.87	4.34	30.89	-	-	P	H
		959.26	34.68	-11.32	46	29.94	31.17	4.37	30.8	-	-	P	H
													H
													H
													H
													H
													H
													H
		40.67	29.55	-10.45	40	41.58	19.4	0.94	32.37	100	25	QP	V
		50.37	24.76	-15.24	40	41.96	14.21	0.96	32.37	-	-	P	V
		62.01	21.76	-18.24	40	41.33	11.7	1.09	32.36	-	-	P	V
		924.34	33.21	-12.79	46	30.48	29.59	4.27	31.13	-	-	P	V
		938.89	33.25	-12.75	46	29.7	30.23	4.31	30.99	-	-	P	V
		945.68	34.85	-11.15	46	30.81	30.64	4.33	30.93	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<SKU 3>

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5149.6	54.7	-19.3	74	45.89	31.9	10.03	33.12	136	30	P	H
		5148.24	47.71	-6.29	54	38.9	31.9	10.03	33.12	136	30	A	H
	*	5210	103.41	-	-	94.88	31.56	10.09	33.12	136	30	P	H
	*	5210	95.31	-	-	86.78	31.56	10.09	33.12	136	30	A	H
802.11ac		5452.98	48.28	-25.72	74	39.45	31.71	10.23	33.11	136	30	P	H
VHT80		5452.98	40.16	-13.84	54	31.33	31.71	10.23	33.11	136	30	A	H
CH 42		5138.04	55.63	-18.37	74	46.85	31.88	10.02	33.12	100	258	P	V
5210MHz		5139.4	47.52	-6.48	54	38.74	31.88	10.02	33.12	100	258	A	V
	*	5210	105.33	-	-	96.8	31.56	10.09	33.12	100	258	P	V
	*	5210	98.35	-	-	89.82	31.56	10.09	33.12	100	258	A	V
		5421.52	50.27	-23.73	74	41.56	31.64	10.18	33.11	100	258	P	V
		5376.02	42.56	-11.44	54	34.07	31.46	10.14	33.11	100	258	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	49.58	-18.62	68.2	57.29	39.7	16.39	63.8	100	0	P	H
		15630	46.6	-27.4	74	50.1	37.85	20.6	61.95	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	49.94	-18.26	68.2	57.65	39.7	16.39	63.8	100	0	P	V
5210MHz		15630	46.16	-27.84	74	49.66	37.85	20.6	61.95	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 LF		40.67	30.16	-9.84	40	42.19	19.4	0.94	32.37	100	0	P	H
		106.63	24.09	-19.41	43.5	38.31	16.7	1.39	32.31	-	-	P	H
		113.42	24.12	-19.38	43.5	37.75	17.24	1.44	32.31	-	-	P	H
		894.27	32.43	-13.57	46	30.8	28.81	4.2	31.38	-	-	P	H
		930.16	32.94	-13.06	46	30.01	29.71	4.29	31.07	-	-	P	H
		939.86	34.48	-11.52	46	30.86	30.29	4.31	30.98	-	-	P	H
													H
													H
													H
													H
													H
													H
		40.67	29.55	-10.45	40	41.58	19.4	0.94	32.37	100	23	QP	V
		47.46	27.67	-12.33	40	43.45	15.67	0.92	32.37	-	-	P	V
		54.25	24.12	-15.88	40	42.76	12.73	1	32.37	-	-	P	V
		917.55	32.7	-13.3	46	30.18	29.45	4.26	31.19	-	-	P	V
		950.53	33.33	-12.67	46	28.97	30.91	4.34	30.89	-	-	P	V
		959.26	34.05	-11.95	46	29.31	31.17	4.37	30.8	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

<TXBF Mode>

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5131.04	51.89	-22.11	74	43.26	31.74	10.01	33.12	400	36	P	H
		5147.94	42.57	-11.43	54	33.96	31.7	10.03	33.12	400	36	A	H
	*	5180	110.27	-	-	101.74	31.58	10.07	33.12	400	36	P	H
	*	5180	100.64	-	-	92.11	31.58	10.07	33.12	400	36	A	H
802.11ac													H
VHT20													H
CH 36		5149.76	52.47	-21.53	74	43.86	31.7	10.03	33.12	100	270	P	V
5180MHz		5147.94	42.86	-11.14	54	34.25	31.7	10.03	33.12	100	270	A	V
	*	5180	108.62	-	-	100.09	31.58	10.07	33.12	100	270	P	V
	*	5180	99.63	-	-	91.1	31.58	10.07	33.12	100	270	A	V
													V
													V
		5086.06	50.52	-23.48	74	41.91	31.77	9.96	33.12	391	32	P	H
		5145.6	40.89	-13.11	54	32.27	31.71	10.03	33.12	391	32	A	H
	*	5220	111.11	-	-	102.71	31.42	10.1	33.12	391	32	P	H
	*	5220	101.53	-	-	93.13	31.42	10.1	33.12	391	32	A	H
802.11ac		5380.56	50.09	-23.91	74	41.74	31.32	10.14	33.11	391	32	P	H
VHT20		5376	40.48	-13.52	54	32.15	31.3	10.14	33.11	391	32	A	H
CH 44		5079.04	51.61	-22.39	74	43.01	31.76	9.96	33.12	341	268	P	V
5220MHz		5088.4	40.48	-13.52	54	31.85	31.78	9.97	33.12	341	268	A	V
	*	5220	108.92	-	-	100.52	31.42	10.1	33.12	341	268	P	V
	*	5220	99.45	-	-	91.05	31.42	10.1	33.12	341	268	A	V
		5446.8	49.71	-24.29	74	41.01	31.59	10.22	33.11	341	268	P	V
		5452.56	39.88	-14.12	54	31.15	31.61	10.23	33.11	341	268	A	V

		5051.48	51.19	-22.81	74	42.68	31.7	9.93	33.12	325	47	P	H
		5145.6	40.76	-13.24	54	32.14	31.71	10.03	33.12	325	47	A	H
	*	5240	111.22	-	-	102.9	31.34	10.1	33.12	325	47	P	H
	*	5240	101.14	-	-	92.82	31.34	10.1	33.12	325	47	A	H
802.11ac		5389.68	51.27	-22.73	74	42.87	31.36	10.15	33.11	325	47	P	H
VHT20		5414.4	41.02	-12.98	54	32.5	31.46	10.17	33.11	325	47	A	H
CH 48		5091	50.09	-23.91	74	41.46	31.78	9.97	33.12	290	267	P	V
5240MHz		5084.76	40.47	-13.53	54	31.86	31.77	9.96	33.12	290	267	A	V
	*	5240	108.66	-	-	100.34	31.34	10.1	33.12	290	267	P	V
	*	5240	100.06	-	-	91.74	31.34	10.1	33.12	290	267	A	V
		5352.96	50.39	-23.61	74	42.15	31.21	10.14	33.11	290	267	P	V
		5394.72	39.94	-14.06	54	31.52	31.38	10.15	33.11	290	267	A	V

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	43.91	-24.29	68.2	49.21	39.64	16.35	61.29	100	0	P	H
		15540	44.78	-29.22	74	46.54	37.94	20.62	60.32	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	44.94	-23.26	68.2	50.24	39.64	16.35	61.29	100	0	P	V
5180MHz		15540	44.47	-29.53	74	46.23	37.94	20.62	60.32	100	0	P	V
													V
													V
		10440	43.45	-24.75	68.2	48.45	39.88	16.4	61.28	100	0	P	H
		15660	43.37	-30.63	74	45.8	37.46	20.6	60.49	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	43.55	-24.65	68.2	48.55	39.88	16.4	61.28	100	0	P	V
5220MHz		15660	43.12	-30.88	74	45.55	37.46	20.6	60.49	100	0	P	V
													V
													V
		10480	41.99	-26.21	68.2	46.86	39.96	16.43	61.26	100	0	P	H
		15720	43.81	-30.19	74	46.52	37.3	20.58	60.59	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	42.74	-25.46	68.2	47.61	39.96	16.43	61.26	100	0	P	V
5240MHz		15720	43.17	-30.83	74	45.88	37.3	20.58	60.59	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5148.72	52.5	-21.5	74	43.89	31.7	10.03	33.12	117	319	P	H
		5150	43.97	-10.03	54	35.36	31.7	10.03	33.12	117	319	A	H
	*	5190	107.01	-	-	98.51	31.54	10.08	33.12	117	319	P	H
	*	5190	98.18	-	-	89.68	31.54	10.08	33.12	117	319	A	H
802.11ac		5437.32	48.63	-25.37	74	39.98	31.55	10.21	33.11	117	319	P	H
VHT40		5414.36	40.26	-13.74	54	31.74	31.46	10.17	33.11	117	319	A	H
CH 38		5150	52.41	-21.59	74	43.8	31.7	10.03	33.12	100	283	P	V
5190MHz		5150	43.49	-10.51	54	34.88	31.7	10.03	33.12	100	283	A	V
	*	5190	105.97	-	-	97.47	31.54	10.08	33.12	100	283	P	V
	*	5190	96.98	-	-	88.48	31.54	10.08	33.12	100	283	A	V
		5437.04	48.78	-25.22	74	40.13	31.55	10.21	33.11	100	283	P	V
		5458.6	39.35	-14.65	54	30.6	31.62	10.24	33.11	100	283	A	V
		5119.6	50.82	-23.18	74	42.18	31.76	10	33.12	100	318	P	H
		5146.12	41.87	-12.13	54	33.25	31.71	10.03	33.12	100	318	A	H
	*	5230	106	-	-	97.64	31.38	10.1	33.12	100	318	P	H
	*	5230	97.67	-	-	89.31	31.38	10.1	33.12	100	318	A	H
802.11ac		5421.84	50.3	-23.7	74	41.74	31.49	10.18	33.11	100	318	P	H
VHT40		5414.4	41.33	-12.67	54	32.81	31.46	10.17	33.11	100	318	A	H
CH 46		5097.76	50.61	-23.39	74	41.95	31.8	9.98	33.12	100	278	P	V
5230MHz		5149.5	41.35	-12.65	54	32.74	31.7	10.03	33.12	100	278	A	V
	*	5230	104.74	-	-	96.38	31.38	10.1	33.12	100	278	P	V
	*	5230	96.56	-	-	88.2	31.38	10.1	33.12	100	278	A	V
		5395.2	50.35	-23.65	74	41.93	31.38	10.15	33.11	100	278	P	V
		5376	39.77	-14.23	54	31.44	31.3	10.14	33.11	100	278	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	48.41	-19.79	68.2	53.61	39.72	16.37	61.29	100	0	P	H
		15570	47.47	-26.53	74	49.4	37.82	20.62	60.37	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	46.64	-21.56	68.2	51.84	39.72	16.37	61.29	100	0	P	V
5190MHz		15570	48.01	-25.99	74	49.94	37.82	20.62	60.37	100	0	P	V
													V
													V
		10460	47.24	-20.96	68.2	52.17	39.92	16.42	61.27	100	0	P	H
		15690	46.08	-27.92	74	48.69	37.34	20.59	60.54	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	46.27	-21.93	68.2	51.2	39.92	16.42	61.27	100	0	P	V
5230MHz		15690	46.96	-27.04	74	49.57	37.34	20.59	60.54	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5137.8	56.54	-17.46	74	47.92	31.72	10.02	33.12	100	316	P	H
		5148.46	48.69	-5.31	54	40.08	31.7	10.03	33.12	100	316	A	H
	*	5210	104.63	-	-	96.2	31.46	10.09	33.12	100	316	P	H
	*	5210	96.6	-	-	88.17	31.46	10.09	33.12	100	316	A	H
		5411.9	51.15	-22.85	74	42.64	31.45	10.17	33.11	100	316	P	H
		5414.5	41.91	-12.09	54	33.39	31.46	10.17	33.11	100	316	A	H
		5137.02	57.84	-16.16	74	49.21	31.73	10.02	33.12	100	301	P	V
		5149.5	48.49	-5.51	54	39.88	31.7	10.03	33.12	100	301	A	V
	*	5210	103.74	-	-	95.31	31.46	10.09	33.12	100	301	P	V
	*	5210	94.66	-	-	86.23	31.46	10.09	33.12	100	301	A	V
		5386.16	49.59	-24.41	74	41.21	31.34	10.15	33.11	100	301	P	V
		5362.24	40.31	-13.69	54	32.03	31.25	10.14	33.11	100	301	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	44.02	-24.18	68.2	49.07	39.84	16.39	61.28	100	0	P	H
		15630	42.8	-31.2	74	45.09	37.58	20.6	60.47	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	44.02	-24.18	68.2	49.07	39.84	16.39	61.28	100	0	P	V
5210MHz		15630	43.01	-30.99	74	45.3	37.58	20.6	60.47	100	0	P	V
													V
													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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5140.08	49.47	-24.53	74	40.85	31.72	10.02	33.12	345	43	P	H
		5068.68	40.59	-13.41	54	32.02	31.74	9.95	33.12	345	43	A	H
	*	5260	109.71	-	-	101.41	31.3	10.11	33.11	345	43	P	H
	*	5260	100.44	-	-	92.14	31.3	10.11	33.11	345	43	A	H
802.11ac		5387.04	50.88	-23.12	74	42.49	31.35	10.15	33.11	345	43	P	H
VHT20		5414.4	40.71	-13.29	54	32.19	31.46	10.17	33.11	345	43	A	H
CH 52		5098.6	49.35	-24.65	74	40.69	31.8	9.98	33.12	355	278	P	V
5260MHz		5102.34	40.37	-13.63	54	31.71	31.8	9.98	33.12	355	278	A	V
	*	5260	107.83	-	-	99.53	31.3	10.11	33.11	355	278	P	V
	*	5260	98.77	-	-	90.47	31.3	10.11	33.11	355	278	A	V
		5430.72	49.57	-24.43	74	40.96	31.52	10.2	33.11	355	278	P	V
		5414.64	39.72	-14.28	54	31.2	31.46	10.17	33.11	355	278	A	V
		5055.08	49.82	-24.18	74	41.3	31.71	9.93	33.12	100	43	P	H
		5094.86	40.87	-13.13	54	32.23	31.79	9.97	33.12	100	43	A	H
	*	5300	112.06	-	-	103.75	31.3	10.12	33.11	100	43	P	H
	*	5300	102.13	-	-	93.82	31.3	10.12	33.11	100	43	A	H
802.11ac		5370	51.21	-22.79	74	42.9	31.28	10.14	33.11	100	43	P	H
VHT20		5351.52	43.68	-10.32	54	35.44	31.21	10.14	33.11	100	43	A	H
CH 60		5105.06	49.79	-24.21	74	41.13	31.79	9.99	33.12	291	266	P	V
5300MHz		5089.76	40.75	-13.25	54	32.12	31.78	9.97	33.12	291	266	A	V
	*	5300	108.77	-	-	100.46	31.3	10.12	33.11	291	266	P	V
	*	5300	99.72	-	-	91.41	31.3	10.12	33.11	291	266	A	V
		5358.48	50.43	-23.57	74	42.17	31.23	10.14	33.11	291	266	P	V
		5350.32	42.34	-11.66	54	34.11	31.2	10.14	33.11	291	266	A	V

	*	5320	113.4	-	-	105.12	31.26	10.13	33.11	108	40	P	H
	*	5320	103.53	-	-	95.25	31.26	10.13	33.11	108	40	A	H
		5378.56	55.18	-18.82	74	46.84	31.31	10.14	33.11	108	40	P	H
		5351.84	43.92	-10.08	54	35.68	31.21	10.14	33.11	108	40	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	110.25	-	-	101.97	31.26	10.13	33.11	229	266	P	V
5320MHz	*	5320	100.66	-	-	92.38	31.26	10.13	33.11	229	266	A	V
		5359.2	51.67	-22.33	74	43.4	31.24	10.14	33.11	229	266	P	V
		5360.48	41.72	-12.28	54	33.45	31.24	10.14	33.11	229	266	A	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	43.09	-25.11	68.2	47.9	40	16.46	61.27	100	0	P	H
		15780	43.52	-30.48	74	46.32	37.3	20.57	60.67	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	43.99	-24.21	68.2	48.8	40	16.46	61.27	100	0	P	V
5260MHz		15780	45.33	-28.67	74	48.13	37.3	20.57	60.67	100	0	P	V
													V
													V
		10600	44.12	-29.88	74	48.92	40	16.51	61.31	100	0	P	H
		15900	42.61	-31.39	74	45.81	37.1	20.54	60.84	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	45.54	-28.46	74	50.34	40	16.51	61.31	100	0	P	V
5300MHz		15900	43.17	-30.83	74	46.37	37.1	20.54	60.84	100	0	P	V
													V
													V
		10640	44.34	-29.66	74	49.13	40	16.54	61.33	100	0	P	H
		15960	43.26	-30.74	74	46.63	37.04	20.53	60.94	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	44.62	-29.38	74	49.41	40	16.54	61.33	100	0	P	V
5320MHz		15960	43.12	-30.88	74	46.49	37.04	20.53	60.94	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5095.54	50.9	-23.1	74	42.25	31.79	9.98	33.12	100	319	P	H
		5145.52	40.64	-13.36	54	32.02	31.71	10.03	33.12	100	319	A	H
	*	5270	107.09	-	-	98.79	31.3	10.11	33.11	100	319	P	H
	*	5270	98.16	-	-	89.86	31.3	10.11	33.11	100	319	A	H
802.11ac		5383.92	52.07	-21.93	74	43.69	31.34	10.15	33.11	100	319	P	H
VHT40		5351.04	42.5	-11.5	54	34.27	31.2	10.14	33.11	100	319	A	H
CH 54		5145.86	50.36	-23.64	74	41.74	31.71	10.03	33.12	100	280	P	V
5270MHz		5068.68	40.56	-13.44	54	31.99	31.74	9.95	33.12	100	280	A	V
	*	5270	104.55	-	-	96.25	31.3	10.11	33.11	100	280	P	V
	*	5270	96	-	-	87.7	31.3	10.11	33.11	100	280	A	V
		5355.36	51.13	-22.87	74	42.88	31.22	10.14	33.11	100	280	P	V
		5350.08	41.42	-12.58	54	33.19	31.2	10.14	33.11	100	280	A	V
		5092.82	49.58	-24.42	74	40.94	31.79	9.97	33.12	100	316	P	H
		5068.68	40.54	-13.46	54	31.97	31.74	9.95	33.12	100	316	A	H
	*	5310	106.83	-	-	98.54	31.28	10.12	33.11	100	316	P	H
	*	5310	98.16	-	-	89.87	31.28	10.12	33.11	100	316	A	H
802.11ac		5352	54.58	-19.42	74	46.34	31.21	10.14	33.11	100	316	P	H
VHT40		5350.32	46.58	-7.42	54	38.35	31.2	10.14	33.11	100	316	A	H
CH 62		5107.1	49.9	-24.1	74	41.24	31.79	9.99	33.12	100	282	P	V
5310MHz		5068.68	40.58	-13.42	54	32.01	31.74	9.95	33.12	100	282	A	V
	*	5310	106.56	-	-	98.27	31.28	10.12	33.11	100	282	P	V
	*	5310	96.18	-	-	87.89	31.28	10.12	33.11	100	282	A	V
		5351.76	53.28	-20.72	74	45.04	31.21	10.14	33.11	100	282	P	V
		5350.08	44.95	-9.05	54	36.72	31.2	10.14	33.11	100	282	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	46.5	-21.7	68.2	51.31	40	16.47	61.28	100	0	P	H
		15810	45.28	-28.72	74	48.16	37.28	20.56	60.72	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	45.96	-22.24	68.2	50.77	40	16.47	61.28	100	0	P	V
5270MHz		15810	45.96	-28.04	74	48.84	37.28	20.56	60.72	100	0	P	V
													V
													V
		10620	46.33	-27.67	74	51.13	40	16.52	61.32	100	0	P	H
		15930	44.79	-29.21	74	48.07	37.07	20.54	60.89	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	46.02	-27.98	74	50.82	40	16.52	61.32	100	0	P	V
5310MHz		15930	44.83	-29.17	74	48.11	37.07	20.54	60.89	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5082.5	50.01	-23.99	74	41.41	31.76	9.96	33.12	100	299	P	H
		5145.8	41.07	-12.93	54	32.45	31.71	10.03	33.12	100	299	A	H
	*	5290	103.64	-	-	95.33	31.3	10.12	33.11	100	299	P	H
	*	5290	95.71	-	-	87.4	31.3	10.12	33.11	100	299	A	H
802.11ac		5375.76	60.33	-13.67	74	52	31.3	10.14	33.11	100	299	P	H
VHT80		5350.08	52.04	-1.96	54	43.81	31.2	10.14	33.11	100	299	A	H
CH 58		5075.3	51.26	-22.74	74	42.68	31.75	9.95	33.12	117	299	P	V
5290MHz		5145.8	40.86	-13.14	54	32.24	31.71	10.03	33.12	117	299	A	V
	*	5290	102.62	-	-	94.31	31.3	10.12	33.11	117	299	P	V
	*	5290	93.94	-	-	85.63	31.3	10.12	33.11	117	299	A	V
		5360.16	58.83	-15.17	74	50.56	31.24	10.14	33.11	117	299	P	V
		5350.32	48.99	-5.01	54	40.76	31.2	10.14	33.11	117	299	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	42.14	-26.06	68.2	46.94	40	16.5	61.3	100	0	P	H
		15870	42.43	-31.57	74	45.54	37.16	20.55	60.82	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	42.55	-25.65	68.2	47.35	40	16.5	61.3	100	0	P	V
5290MHz		15870	43.21	-30.79	74	46.32	37.16	20.55	60.82	100	0	P	V
													V
													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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5450.16	53.8	-20.2	74	45.08	31.6	10.23	33.11	318	28	P	H
		5462.96	54.67	-13.53	68.2	45.9	31.63	10.25	33.11	318	28	P	H
		5460	44.03	-9.97	54	35.28	31.62	10.24	33.11	318	28	A	H
	*	5500	113.67	-	-	104.77	31.7	10.31	33.11	318	28	P	H
802.11ac	*	5500	104.35	-	-	95.45	31.7	10.31	33.11	318	28	A	H
VHT20													H
CH 100		5459.92	53.13	-20.87	74	44.38	31.62	10.24	33.11	360	264	P	V
5500MHz		5466.64	52.86	-15.34	68.2	44.09	31.63	10.25	33.11	360	264	P	V
		5460	42.13	-11.87	54	33.38	31.62	10.24	33.11	360	264	A	V
	*	5500	111.58	-	-	102.68	31.7	10.31	33.11	360	264	P	V
	*	5500	102.22	-	-	93.32	31.7	10.31	33.11	360	264	A	V
													V
		5456.56	50.3	-23.7	74	41.56	31.61	10.24	33.11	328	33	P	H
		5469.28	50.67	-17.53	68.2	41.88	31.64	10.26	33.11	328	33	P	H
		5459.92	40.4	-13.6	54	31.65	31.62	10.24	33.11	328	33	A	H
	*	5580	114.96	-	-	105.93	31.74	10.43	33.14	328	33	P	H
802.11ac	*	5580	105	-	-	95.97	31.74	10.43	33.14	328	33	A	H
VHT20		5757.755	51.96	-16.24	68.2	42.58	32.02	10.55	33.19	328	33	P	H
CH 116		5437.36	49.58	-24.42	74	40.93	31.55	10.21	33.11	348	270	P	V
5580MHz		5464	48.47	-19.73	68.2	39.7	31.63	10.25	33.11	348	270	P	V
		5459.44	39.99	-14.01	54	31.24	31.62	10.24	33.11	348	270	A	V
	*	5580	112.23	-	-	103.2	31.74	10.43	33.14	348	270	P	V
	*	5580	102.53	-	-	93.5	31.74	10.43	33.14	348	270	A	V
		5734.76	51.3	-16.9	68.2	42.02	31.94	10.53	33.19	348	270	P	V

	*	5700	113	-	-	103.86	31.8	10.51	33.17	323	40	P	H
	*	5700	103.9	-	-	94.76	31.8	10.51	33.17	323	40	A	H
		5730.76	59.03	-9.17	68.2	49.76	31.92	10.53	33.18	323	40	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	109.87	-	-	100.73	31.8	10.51	33.17	351	265	P	V
5700MHz	*	5700	100.9	-	-	91.76	31.8	10.51	33.17	351	265	A	V
		5731.64	55.62	-12.58	68.2	46.34	31.93	10.53	33.18	351	265	P	V
													V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	44.7	-29.3	74	49.05	40.4	16.76	61.51	100	0	P	H
		16500	45.19	-23.01	68.2	46.25	38.8	21.19	61.05	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	45.79	-28.21	74	50.14	40.4	16.76	61.51	100	0	P	V
5500MHz		16500	46.36	-21.84	68.2	47.42	38.8	21.19	61.05	100	0	P	V
													V
													V
		11160	48.46	-25.54	74	52.81	39.98	16.99	61.32	100	0	P	H
		16740	49.64	-18.56	68.2	48.91	39.8	21.51	60.58	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	48.59	-25.41	74	52.94	39.98	16.99	61.32	100	0	P	V
5580MHz		16740	48.92	-19.28	68.2	48.19	39.8	21.51	60.58	100	0	P	V
													V
													V
		11400	46.81	-27.19	74	50.42	40.1	17.34	61.05	100	0	P	H
		17100	49.62	-18.58	68.2	47.54	40.3	21.95	60.17	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	47.36	-26.64	74	50.97	40.1	17.34	61.05	100	0	P	V
5700MHz		17100	50.08	-18.12	68.2	48	40.3	21.95	60.17	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452.72	53.45	-20.55	74	44.72	31.61	10.23	33.11	105	317	P	H
		5467.6	53.96	-14.24	68.2	45.18	31.64	10.25	33.11	105	317	P	H
		5459.44	44.11	-9.89	54	35.36	31.62	10.24	33.11	105	317	A	H
	*	5510	107.88	-	-	98.95	31.72	10.32	33.11	105	317	P	H
802.11ac	*	5510	98.69	-	-	89.76	31.72	10.32	33.11	105	317	A	H
VHT40		5748.305	50.67	-17.53	68.2	41.33	31.99	10.54	33.19	105	317	P	H
CH 102		5434	51.77	-22.23	74	43.14	31.54	10.2	33.11	105	263	P	V
5510MHz		5463.76	52.28	-15.92	68.2	43.51	31.63	10.25	33.11	105	263	P	V
		5452.48	42.13	-11.87	54	33.41	31.6	10.23	33.11	105	263	A	V
	*	5510	103.9	-	-	94.97	31.72	10.32	33.11	105	263	P	V
	*	5510	94.92	-	-	85.99	31.72	10.32	33.11	105	263	A	V
		5729.405	50.47	-17.73	68.2	41.2	31.92	10.53	33.18	105	263	P	V
		5452.96	50.59	-23.41	74	41.86	31.61	10.23	33.11	100	317	P	H
		5466.16	51.59	-16.61	68.2	42.82	31.63	10.25	33.11	100	317	P	H
		5459.68	41.51	-12.49	54	32.76	31.62	10.24	33.11	100	317	A	H
	*	5550	109.36	-	-	100.31	31.8	10.38	33.13	100	317	P	H
802.11ac	*	5550	99.15	-	-	90.1	31.8	10.38	33.13	100	317	A	H
VHT40		5764.685	50.87	-17.33	68.2	41.48	32.03	10.55	33.19	100	317	P	H
CH 110		5446.72	49.56	-24.44	74	40.86	31.59	10.22	33.11	100	262	P	V
5550MHz		5464.72	49.73	-18.47	68.2	40.96	31.63	10.25	33.11	100	262	P	V
		5453.92	40.17	-13.83	54	31.44	31.61	10.23	33.11	100	262	A	V
	*	5550	103.56	-	-	94.51	31.8	10.38	33.13	100	262	P	V
	*	5550	95.01	-	-	85.96	31.8	10.38	33.13	100	262	A	V
		5754.92	49.46	-18.74	68.2	40.09	32.01	10.55	33.19	100	262	P	V

		5394.1	48.91	-25.09	74	40.49	31.38	10.15	33.11	100	318	P	H
		5465.5	49.04	-19.16	68.2	40.27	31.63	10.25	33.11	100	318	P	H
		5456.4	39.44	-14.56	54	30.7	31.61	10.24	33.11	100	318	A	H
	*	5670	108.77	-	-	99.69	31.74	10.5	33.16	100	318	P	H
802.11ac	*	5670	99.57	-	-	90.49	31.74	10.5	33.16	100	318	A	H
VHT40		5749.95	53.79	-14.41	68.2	44.44	32	10.54	33.19	100	318	P	H
CH 134		5416.85	48.26	-25.74	74	39.72	31.47	10.18	33.11	100	325	P	V
5670MHz		5470	48.58	-19.62	68.2	39.79	31.64	10.26	33.11	100	325	P	V
		5459.55	39.17	-14.83	54	30.42	31.62	10.24	33.11	100	325	A	V
	*	5670	102.74	-	-	93.66	31.74	10.5	33.16	100	325	P	V
	*	5670	95.01	-	-	85.93	31.74	10.5	33.16	100	325	A	V
		5726.675	51.73	-16.47	68.2	42.47	31.91	10.53	33.18	100	325	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	46.32	-27.68	74	50.68	40.34	16.79	61.49	100	0	P	H
		16530	47.54	-20.66	68.2	48.34	38.95	21.23	60.98	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	47.67	-26.33	74	52.03	40.34	16.79	61.49	100	0	P	V
5510MHz		16530	47.51	-20.69	68.2	48.31	38.95	21.23	60.98	100	0	P	V
													V
													V
		11100	46.21	-27.79	74	50.59	40.1	16.91	61.39	100	0	P	H
		16650	47.89	-20.31	68.2	47.8	39.45	21.39	60.75	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	46.07	-27.93	74	50.45	40.1	16.91	61.39	100	0	P	V
5550MHz		16650	48.09	-20.11	68.2	48	39.45	21.39	60.75	100	0	P	V
													V
													V
		11340	47.75	-26.25	74	51.69	39.92	17.26	61.12	100	0	P	H
		17010	50.86	-17.34	68.2	48.51	40.57	21.87	60.09	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	47.62	-26.38	74	51.56	39.92	17.26	61.12	100	0	P	V
5670MHz		17010	51.2	-17	68.2	48.85	40.57	21.87	60.09	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.76	55.81	-18.19	74	47.06	31.62	10.24	33.11	106	318	P	H
		5468.32	57.53	-10.67	68.2	48.74	31.64	10.26	33.11	106	318	P	H
		5459.92	47.05	-6.95	54	38.3	31.62	10.24	33.11	106	318	A	H
	*	5530	107.96	-	-	98.97	31.76	10.35	33.12	106	318	P	H
802.11ac	*	5530	98.1	-	-	89.11	31.76	10.35	33.12	106	318	A	H
VHT80		5744.84	51.37	-16.83	68.2	42.04	31.98	10.54	33.19	106	318	P	H
CH 106		5455.12	53.22	-20.78	74	44.48	31.61	10.24	33.11	100	237	P	V
5530MHz		5465.68	54.05	-14.15	68.2	45.28	31.63	10.25	33.11	100	237	P	V
		5459.68	43.97	-10.03	54	35.22	31.62	10.24	33.11	100	237	A	V
	*	5530	104.37	-	-	95.38	31.76	10.35	33.12	100	237	P	V
	*	5530	95.68	-	-	86.69	31.76	10.35	33.12	100	237	A	V
		5729.09	51	-17.2	68.2	41.73	31.92	10.53	33.18	100	237	P	V
		5455	50.02	-23.98	74	41.28	31.61	10.24	33.11	100	318	P	H
		5463.4	49.63	-18.57	68.2	40.86	31.63	10.25	33.11	100	318	P	H
		5414.4	40.94	-13.06	54	32.42	31.46	10.17	33.11	100	318	A	H
	*	5610	107.27	-	-	98.25	31.7	10.47	33.15	100	318	P	H
802.11ac	*	5610	97.92	-	-	88.9	31.7	10.47	33.15	100	318	A	H
VHT80		5725.275	52.09	-16.11	68.2	42.84	31.9	10.53	33.18	100	318	P	H
CH 122		5425.6	48.78	-25.22	74	40.2	31.5	10.19	33.11	108	240	P	V
5610MHz		5461.65	48.46	-19.74	68.2	39.7	31.62	10.25	33.11	108	240	P	V
		5457.1	39.88	-14.12	54	31.14	31.61	10.24	33.11	108	240	A	V
	*	5610	104.33	-	-	95.31	31.7	10.47	33.15	108	240	P	V
	*	5610	94.48	-	-	85.46	31.7	10.47	33.15	108	240	A	V
		5736.3	51.2	-17	68.2	41.91	31.95	10.53	33.19	108	240	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	43.57	-30.43	74	47.93	40.22	16.85	61.43	100	0	P	H
		16590	45.36	-22.84	68.2	45.68	39.25	21.31	60.88	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	44.35	-29.65	74	48.71	40.22	16.85	61.43	100	0	P	V
5530MHz		16590	45.47	-22.73	68.2	45.79	39.25	21.31	60.88	100	0	P	V
													V
													V
		11220	45.43	-28.57	74	49.73	39.88	17.08	61.26	100	0	P	H
		16830	46.44	-21.76	68.2	44.97	40.25	21.63	60.41	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	45.42	-28.58	74	51.9	39.88	17.08	63.44	100	0	P	V
5610MHz		16830	46.88	-21.32	68.2	47.1	40.25	21.63	62.1	100	0	P	V
													V
													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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5457.25	50.49	-23.51	74	41.75	31.61	10.24	33.11	328	33	P	H
		5467.78	49.22	-18.98	68.2	40.43	31.64	10.26	33.11	328	33	P	H
		5452.96	39.85	-14.15	54	31.12	31.61	10.23	33.11	327	33	A	H
	*	5720	112.93	-	-	103.7	31.88	10.53	33.18	327	33	P	H
802.11ac	*	5720	104.11	-	-	94.88	31.88	10.53	33.18	327	33	A	H
VHT20		5853.5	52.4	-15.8	68.2	42.92	32.11	10.59	33.22	327	33	P	H
CH 144		5360.53	49.5	-24.5	74	41.23	31.24	10.14	33.11	345	270	P	V
5720MHz		5466.61	48.33	-19.87	68.2	39.56	31.63	10.25	33.11	345	270	P	V
		5452.57	39.66	-14.34	54	30.93	31.61	10.23	33.11	345	270	A	V
	*	5720	108.93	-	-	99.7	31.88	10.53	33.18	345	270	P	V
	*	5720	100.36	-	-	91.13	31.88	10.53	33.18	345	270	A	V
		5916.75	51.27	-16.93	68.2	41.62	32.27	10.62	33.24	345	270	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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	47.75	-26.25	74	51.26	40.1	17.4	61.01	100	0	P	H
		17160	49.5	-18.7	68.2	47.19	40.54	22	60.23	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	47.59	-26.41	74	51.1	40.1	17.4	61.01	100	0	P	V
5720MHz		17160	48.94	-19.26	68.2	46.63	40.54	22	60.23	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5417.08	49.02	-24.98	74	40.48	31.47	10.18	33.11	104	354	P	H
		5466.22	49.09	-19.11	68.2	40.32	31.63	10.25	33.11	104	354	P	H
		5459.98	39.25	-14.75	54	30.5	31.62	10.24	33.11	104	354	A	H
	*	5710	106.89	-	-	97.71	31.84	10.52	33.18	104	354	P	H
802.11ac	*	5710	96.98	-	-	87.8	31.84	10.52	33.18	104	354	A	H
VHT40		5862.5	50.98	-17.22	68.2	41.5	32.12	10.59	33.23	104	354	P	H
CH 142		5459.59	48.15	-25.85	74	39.4	31.62	10.24	33.11	100	348	P	V
5710MHz		5463.1	47.16	-21.04	68.2	38.39	31.63	10.25	33.11	100	348	P	V
		5456.47	39.24	-14.76	54	30.5	31.61	10.24	33.11	100	348	A	V
	*	5710	103.44	-	-	94.26	31.84	10.52	33.18	100	348	P	V
	*	5710	94.67	-	-	85.49	31.84	10.52	33.18	100	348	A	V
		5901.25	50.32	-17.88	68.2	40.74	32.21	10.61	33.24	100	348	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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	47.49	-26.51	74	51.05	40.1	17.37	61.03	100	0	P	H
		17130	49.53	-18.67	68.2	47.34	40.42	21.97	60.2	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	47.74	-26.26	74	51.3	40.1	17.37	61.03	100	0	P	V
5710MHz		17130	49.57	-18.63	68.2	47.38	40.42	21.97	60.2	100	0	P	V
													V
													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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5396.41	49.27	-24.73	74	40.84	31.39	10.15	33.11	315	33	P	H
		5466.61	49.07	-19.13	68.2	40.3	31.63	10.25	33.11	315	33	P	H
		5452.96	40.04	-13.96	54	31.31	31.61	10.23	33.11	315	33	A	H
	*	5690	107.94	-	-	98.82	31.78	10.51	33.17	315	33	P	H
802.11ac	*	5690	98.62	-	-	89.5	31.78	10.51	33.17	315	33	A	H
VHT80		5907.7	52.12	-16.08	68.2	42.52	32.23	10.61	33.24	315	33	P	H
CH 138		5426.05	50	-24	74	41.42	31.5	10.19	33.11	400	69	P	V
5690MHz		5463.1	49.36	-18.84	68.2	40.59	31.63	10.25	33.11	400	69	P	V
		5457.64	39.46	-14.54	54	30.71	31.62	10.24	33.11	400	69	A	V
	*	5690	103.8	-	-	94.68	31.78	10.51	33.17	400	69	P	V
	*	5690	95.11	-	-	85.99	31.78	10.51	33.17	400	69	A	V
		5932.9	51.76	-16.44	68.2	42.06	32.33	10.62	33.25	400	69	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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	44.53	-29.47	74	48.25	40.04	17.31	61.07	100	0	P	H
		17070	46.65	-21.55	68.2	44.47	40.39	21.92	60.13	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	44.95	-29.05	74	48.67	40.04	17.31	61.07	100	0	P	V
5690MHz		17070	47.48	-20.72	68.2	45.3	40.39	21.92	60.13	100	0	P	V
													V
													V

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

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		34.85	33.93	-6.07	40	42.7	22.78	0.82	32.37	100	0	P	H
		101.78	36.75	-6.75	43.5	51.44	16.26	1.37	32.32	-	-	P	H
		141.55	35.38	-8.12	43.5	48.57	17.5	1.6	32.29	-	-	P	H
		739.07	31.53	-14.47	46	31.7	28.06	3.8	32.03	-	-	P	H
		784.66	31.87	-14.13	46	31.48	28.4	3.91	31.92	-	-	P	H
		945.68	33.59	-12.41	46	29.55	30.64	4.33	30.93	-	-	P	H
													H
													H
													H
													H
													H
													H
		34.85	36.93	-3.07	40	45.7	22.78	0.82	32.37	100	25	QP	V
		59.1	25.23	-14.77	40	44.62	11.91	1.06	32.36	100	23	QP	V
		101.78	36.33	-7.17	43.5	51.02	16.26	1.37	32.32	-	-	P	V
		666.32	32.95	-13.05	46	34.94	26.6	3.57	32.16	-	-	P	V
		870.02	31.97	-14.03	46	30.33	29	4.15	31.51	-	-	P	V
		943.74	33.56	-12.44	46	29.66	30.52	4.33	30.95	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission

Test Engineer :	Watt Tseng, Cookie Ku, Fu Chen, Troye Hsieh	**Temperature :**	20.7 ~ 27.9°C
		Relative Humidity :	48.4 ~ 69.4%

Note symbol

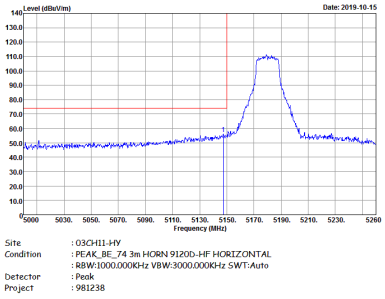
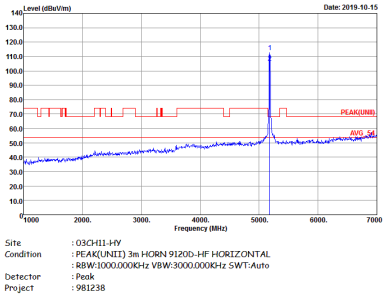
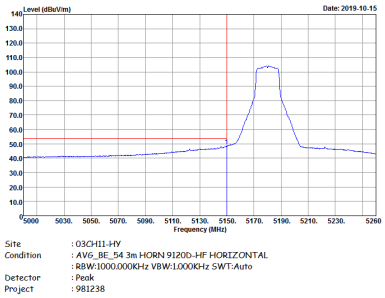
-L	**Low channel location**
-R	**High channel location**

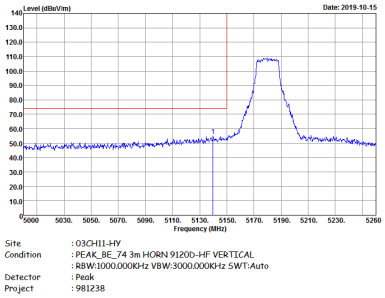
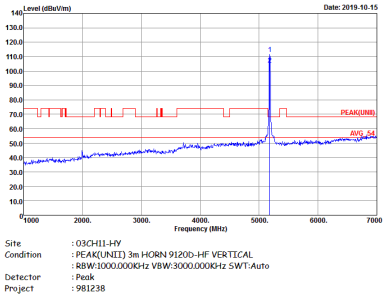
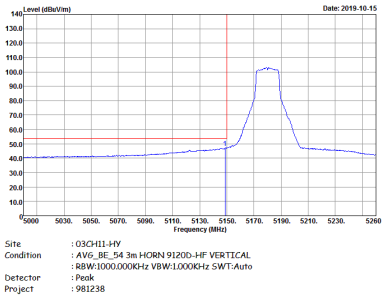
<CDD Mode>

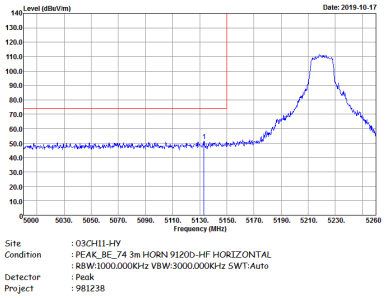
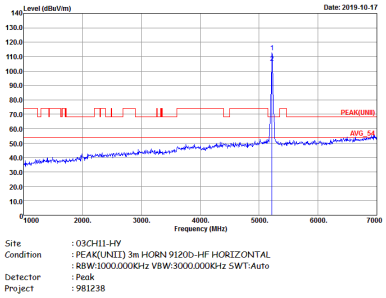
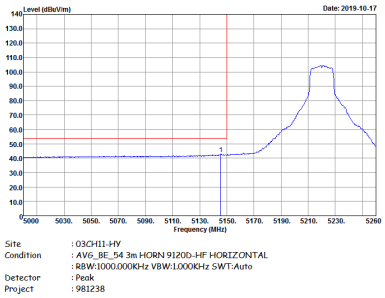
<SKU 1>

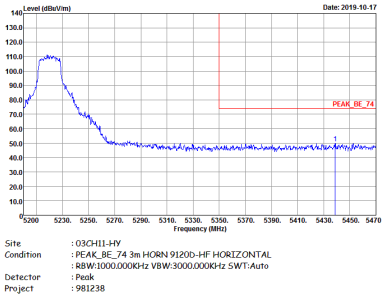
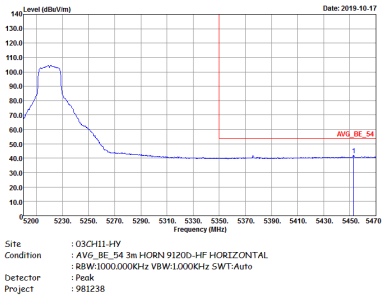
Band 1 - 5150~5250MHz

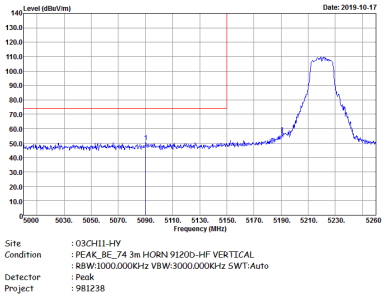
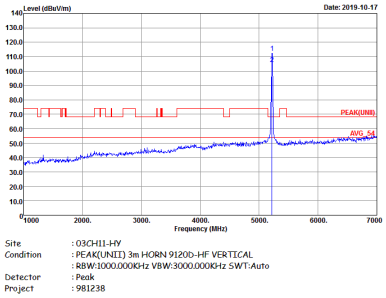
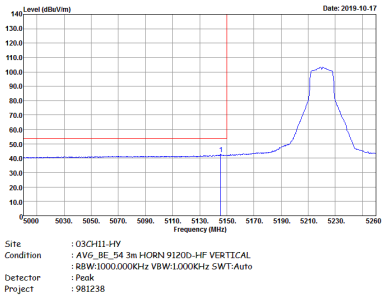
WIFI 802.11a (Band Edge @ 3m)

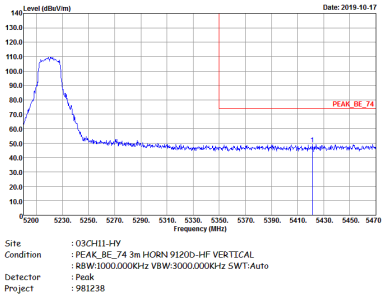
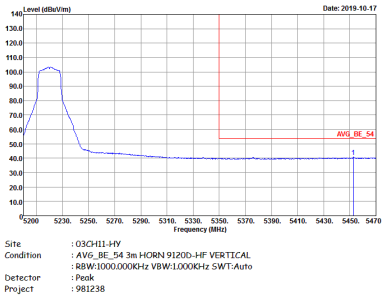
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

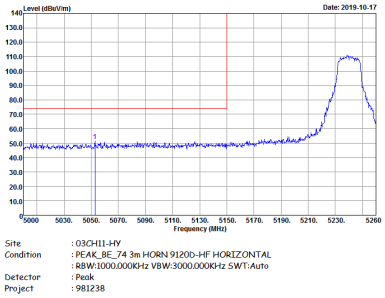
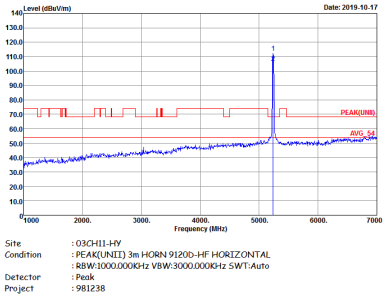
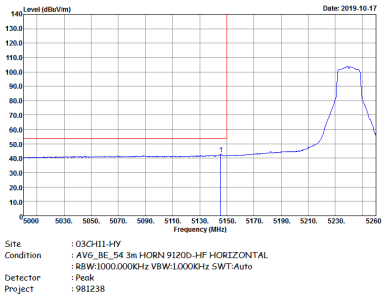
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

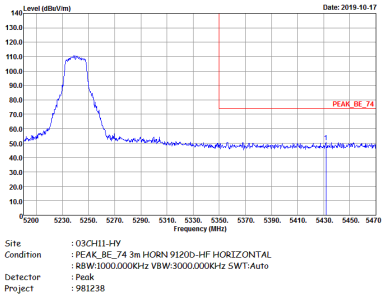
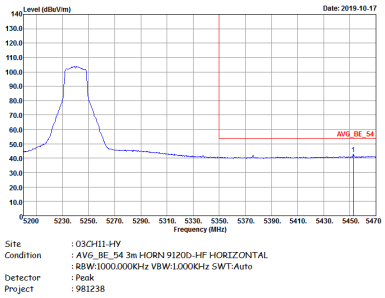
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

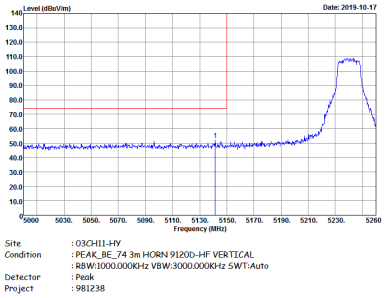
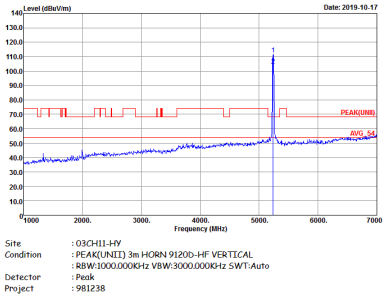
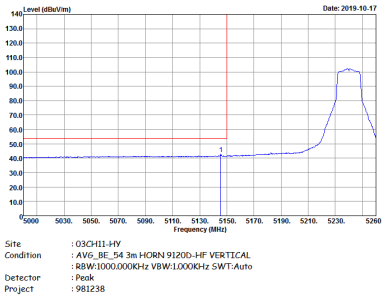
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

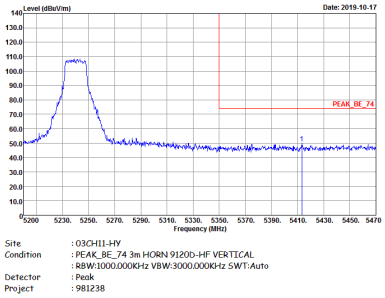
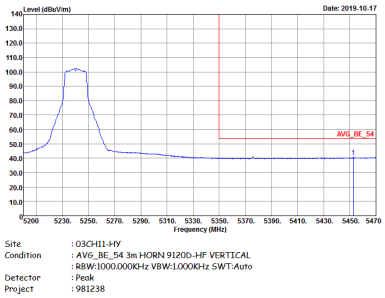
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

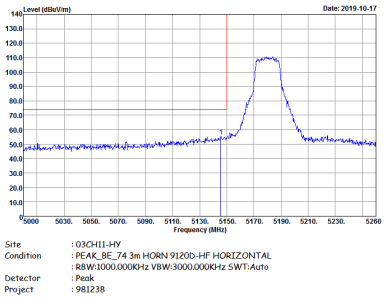
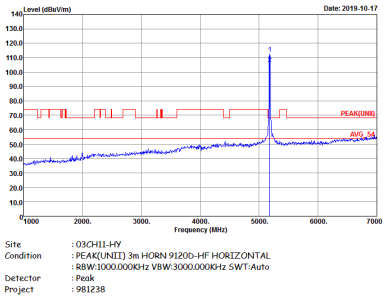
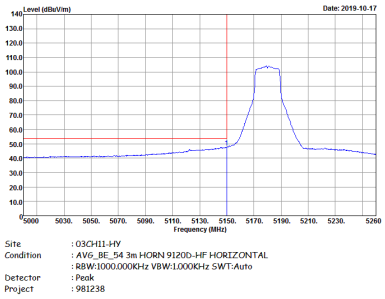
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

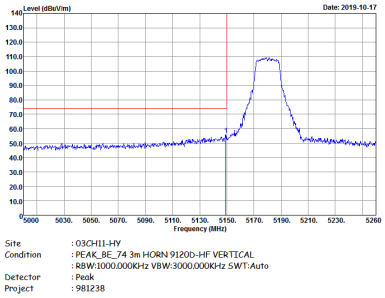
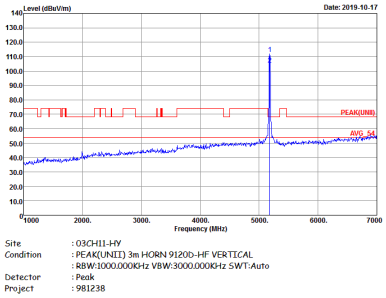
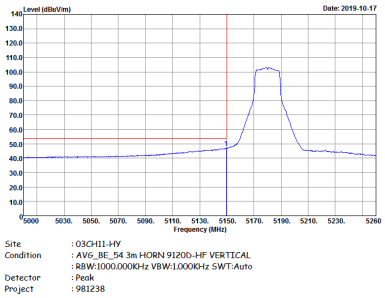
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

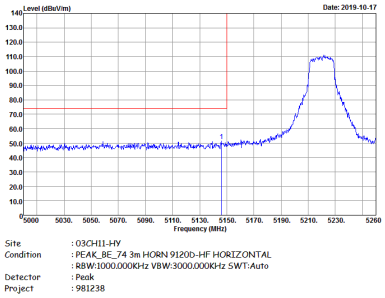
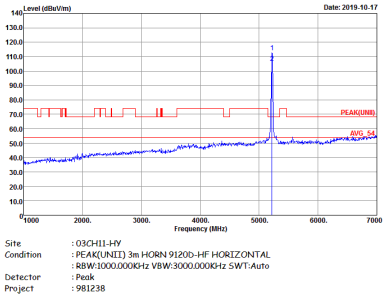
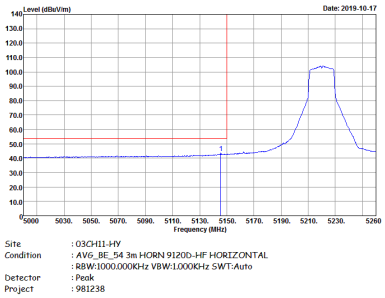
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

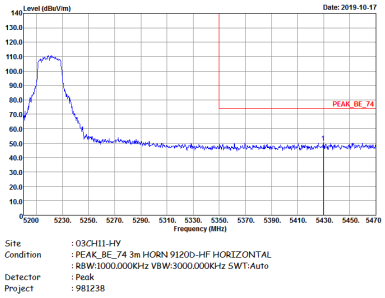
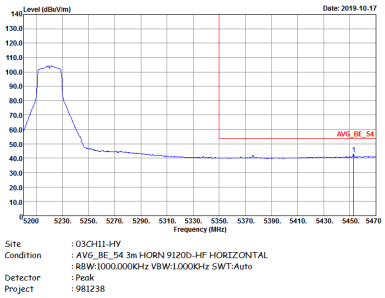
Band 1 5150~5250MHz

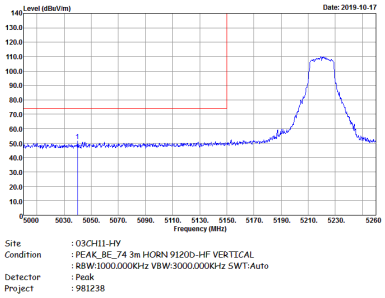
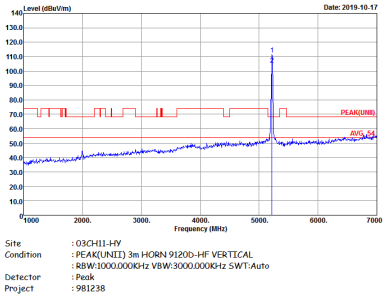
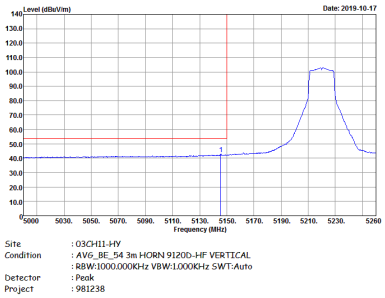
WIFI 802.11ac VHT20 (Band Edge @ 3m)

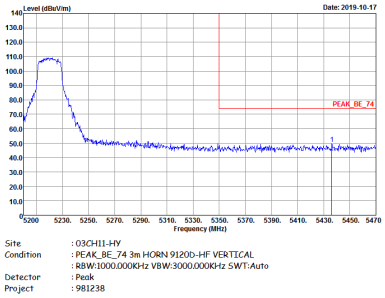
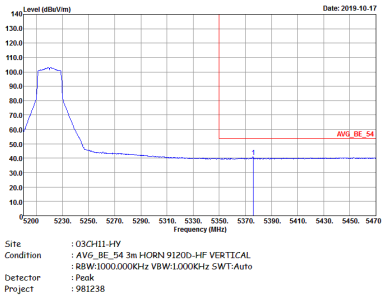
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

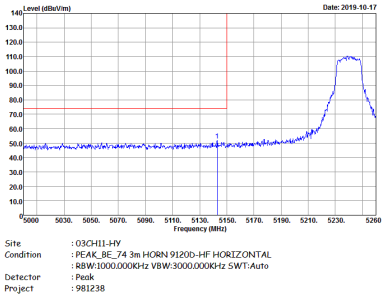
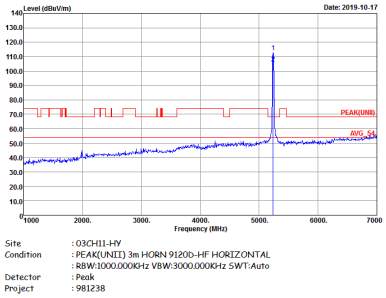
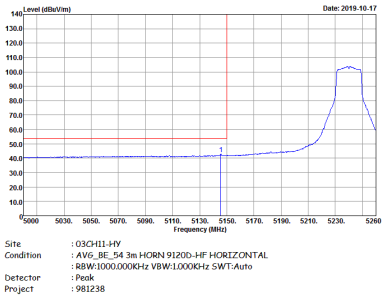
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

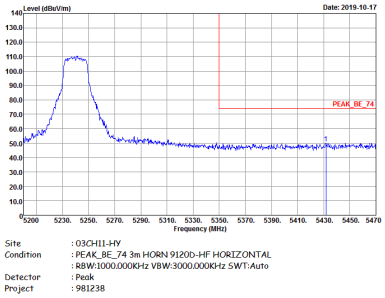
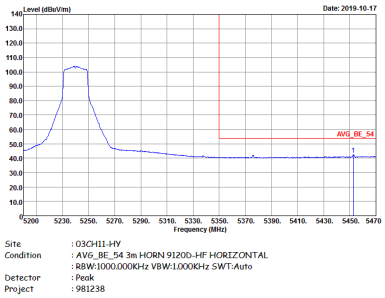
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

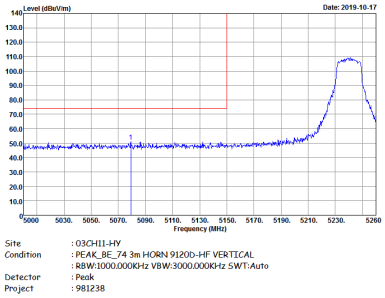
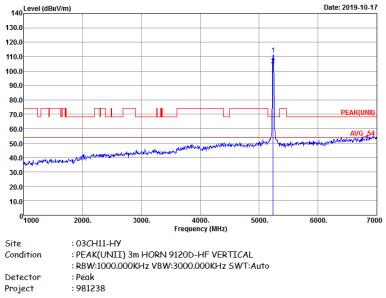
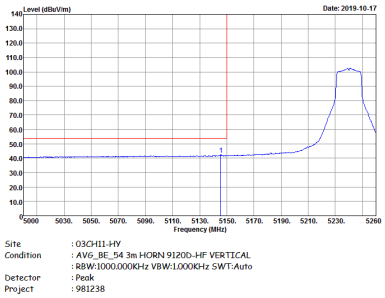
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

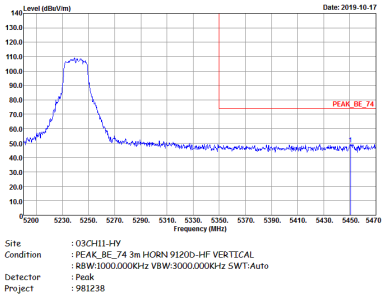
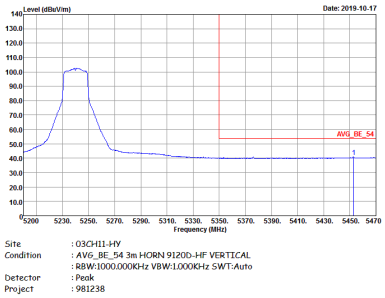
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

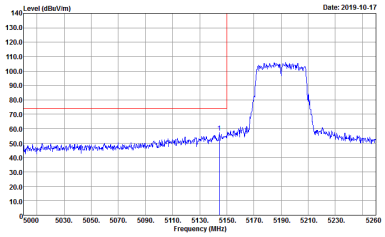
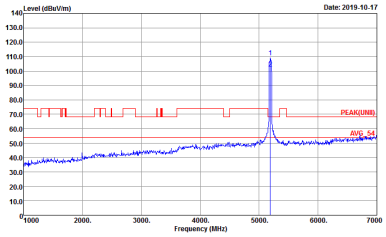
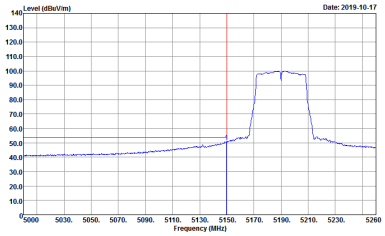
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

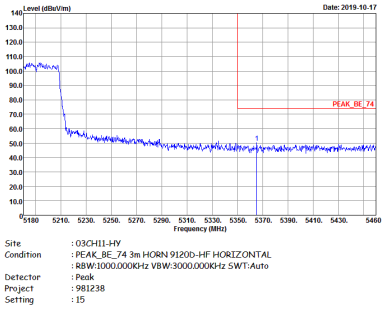
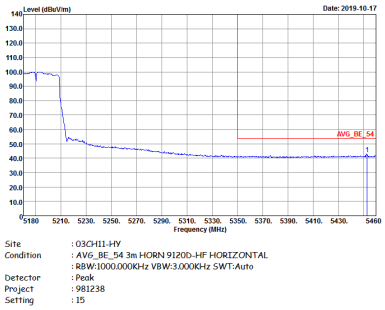
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

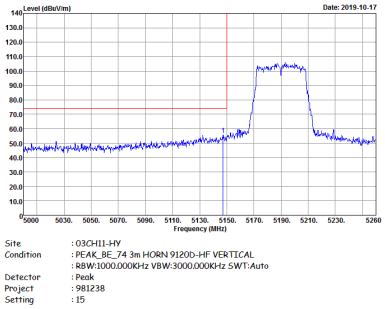
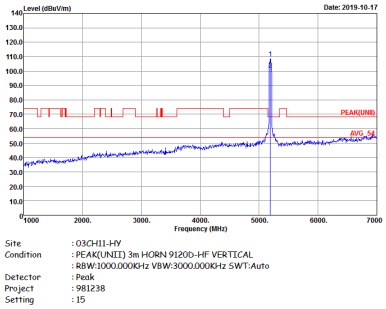
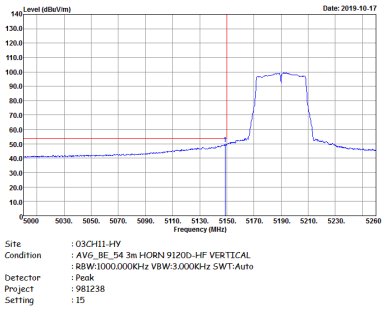
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

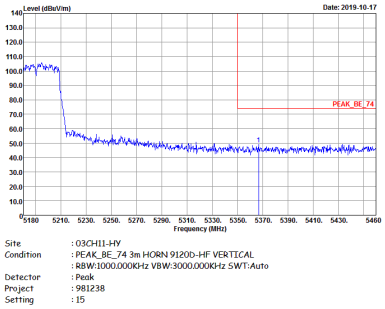
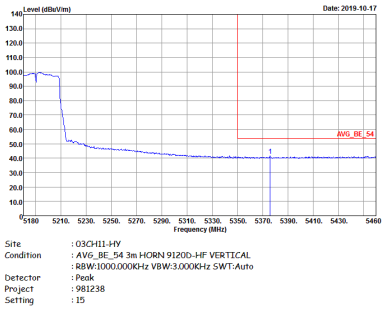
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

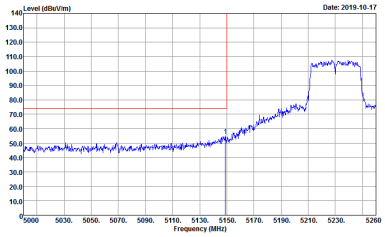
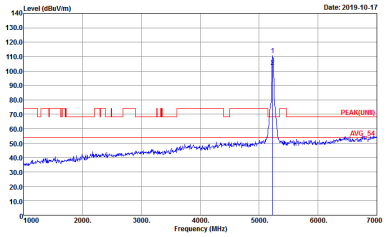
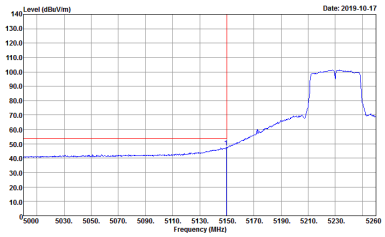
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

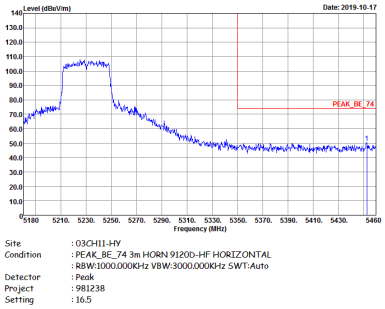
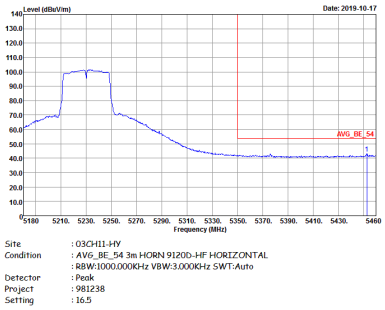
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238 Setting : 15	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238 Setting : 15
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 981238 Setting : 15	Left blank

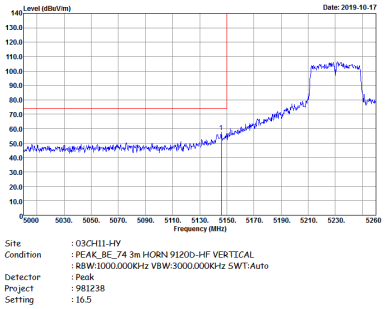
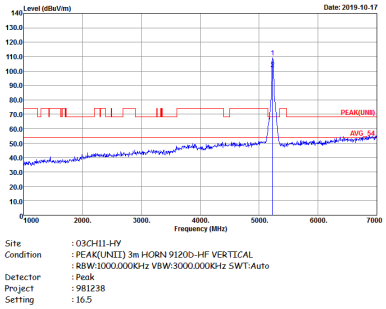
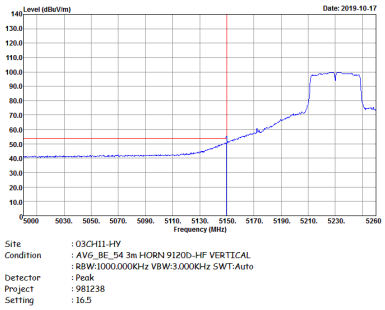
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238 Setting : 15	Left blank
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 981238 Setting : 15	Left blank

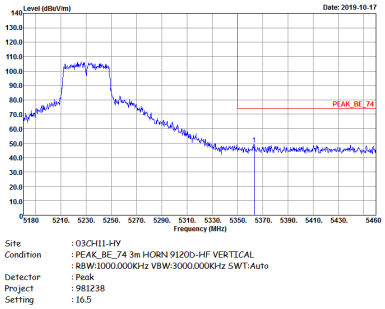
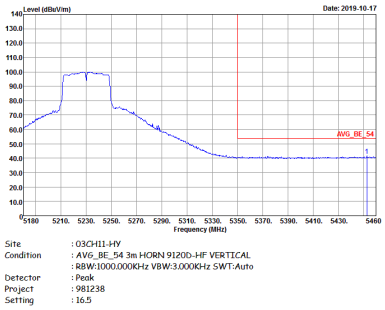
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

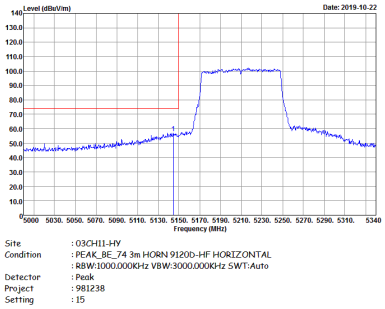
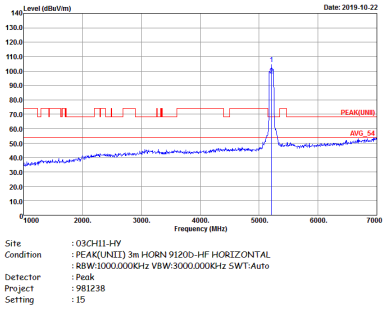
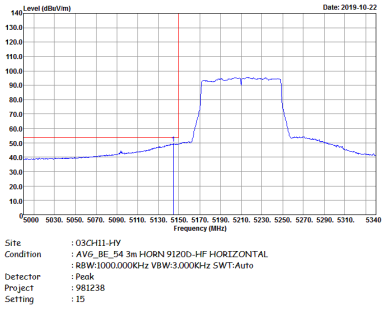
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238 Setting : 16.5	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238 Setting : 16.5
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 981238 Setting : 16.5	Left blank

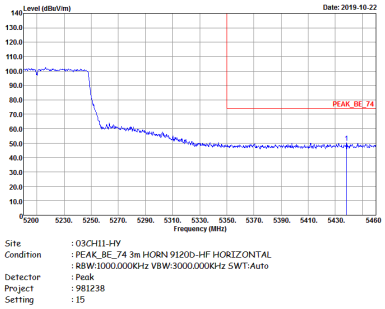
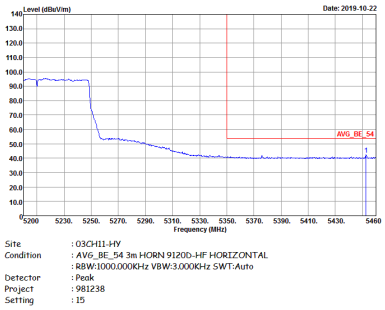
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

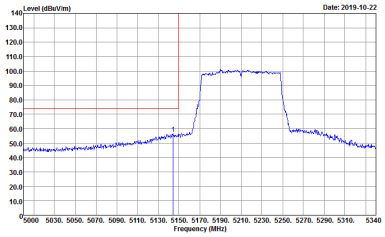
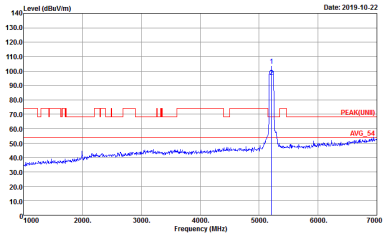
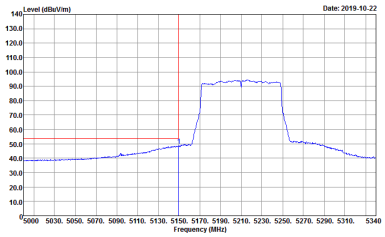
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

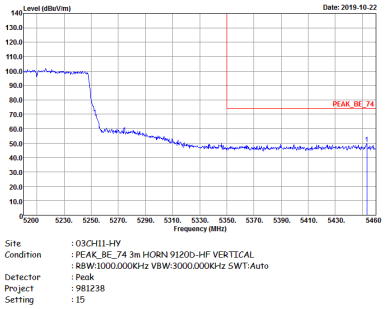
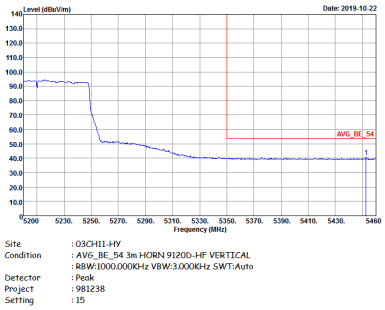
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

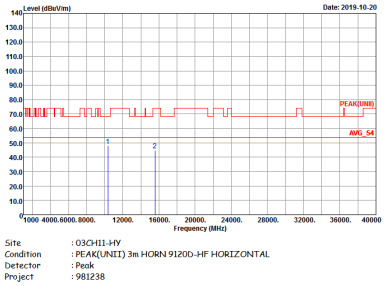
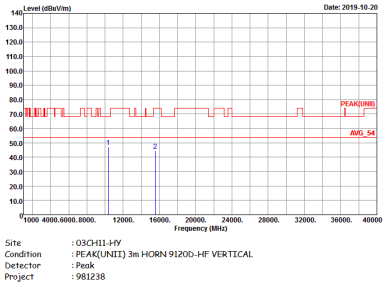
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

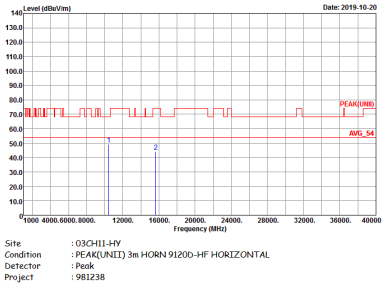
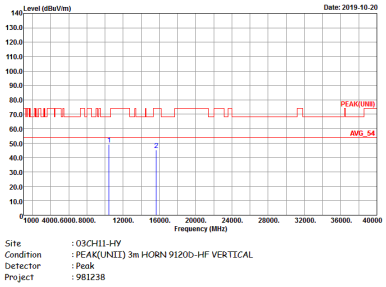
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238 Setting : 15	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981238 Setting : 15
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 981238 Setting : 15	Left blank

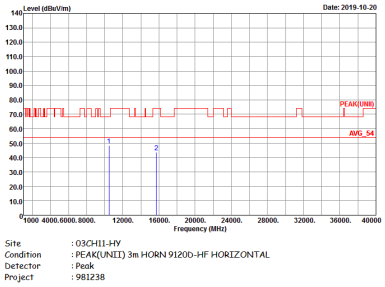
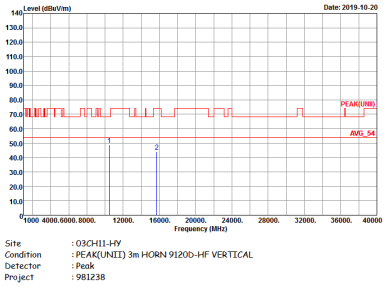
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

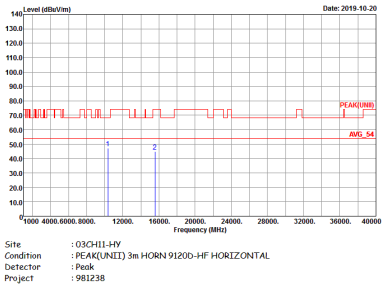
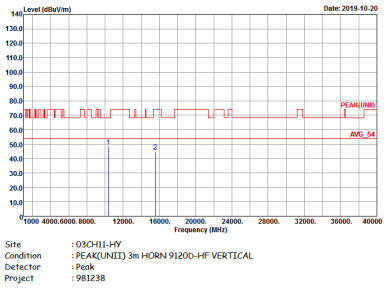
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

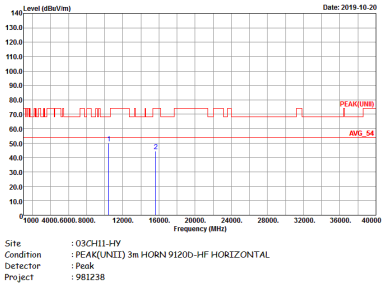
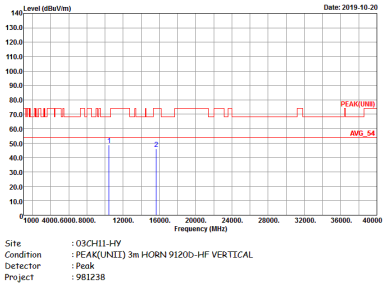
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

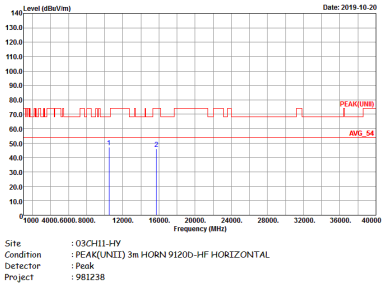
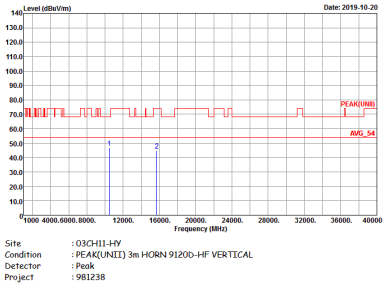
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

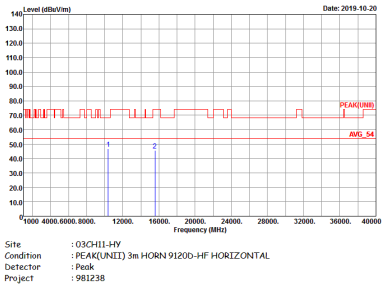
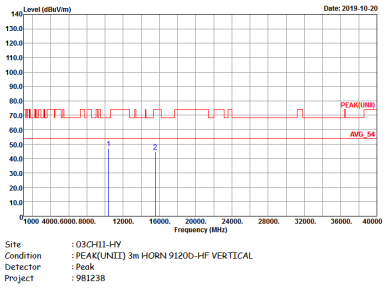
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

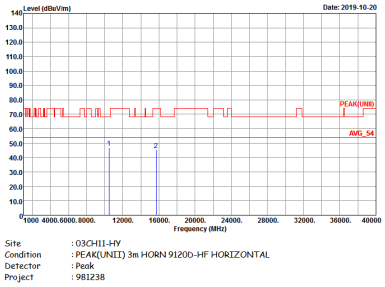
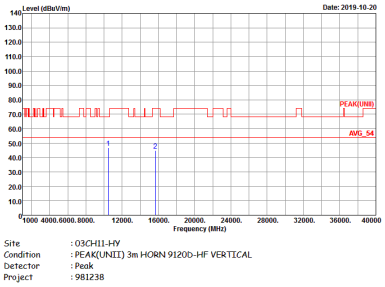
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

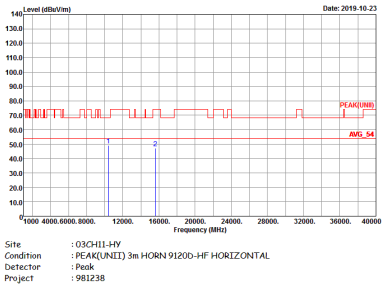
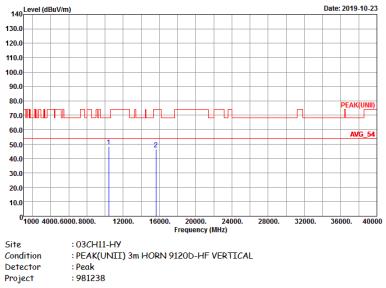
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 981238	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 981238

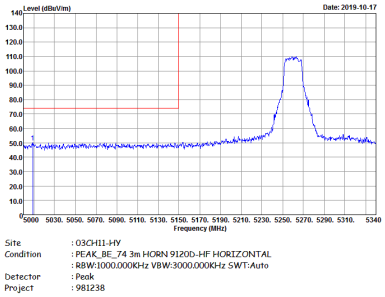
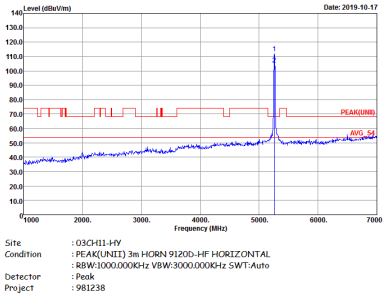
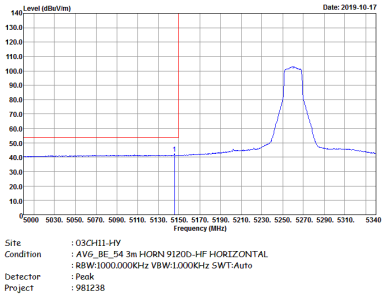
Band 1 5150~5250MHz

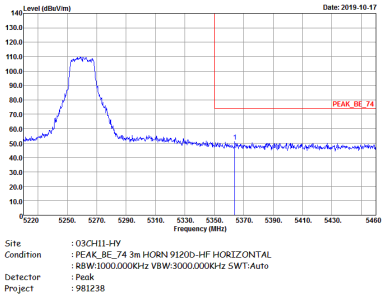
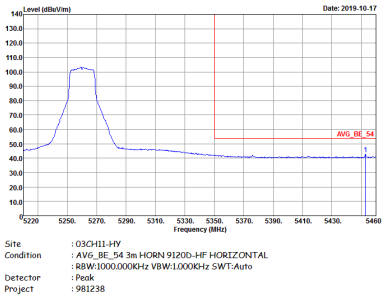
WIFI 802.11ac VHT80 (Harmonic @ 3m)

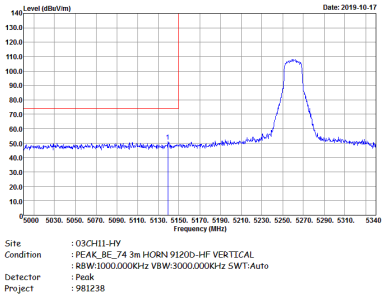
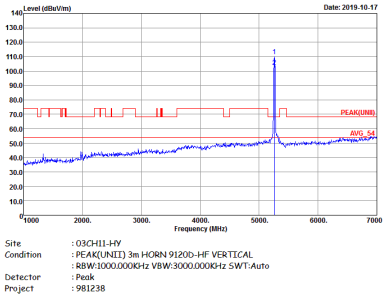
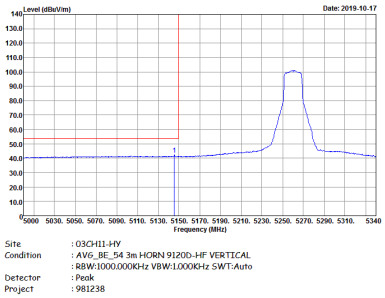
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

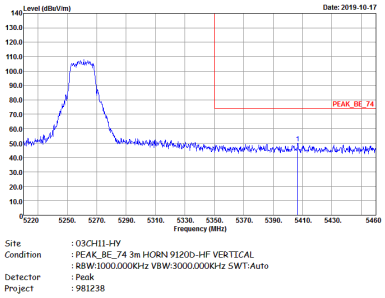
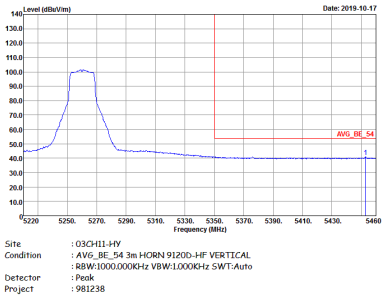
Band 2 - 5250~5350MHz

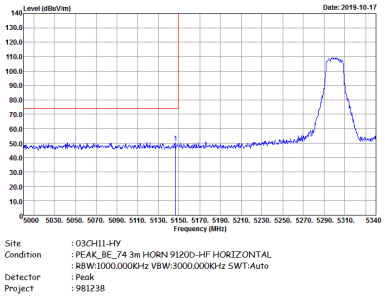
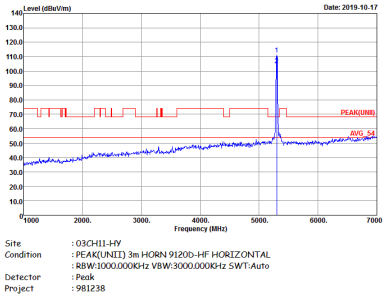
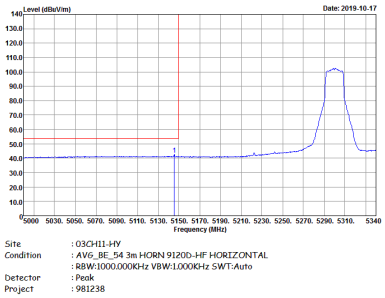
WIFI 802.11a (Band Edge @ 3m)

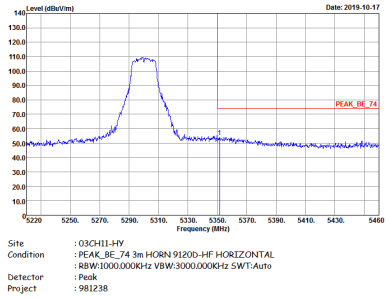
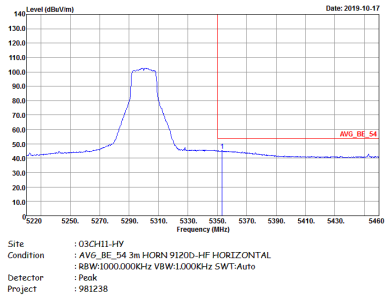
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

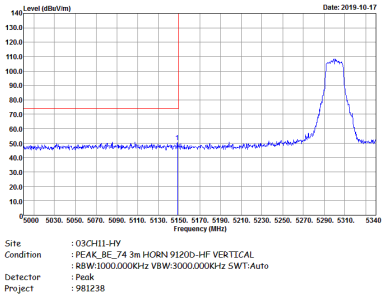
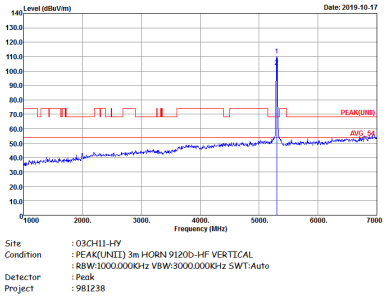
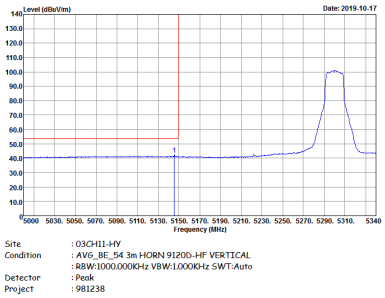
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

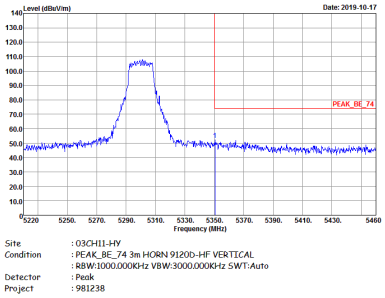
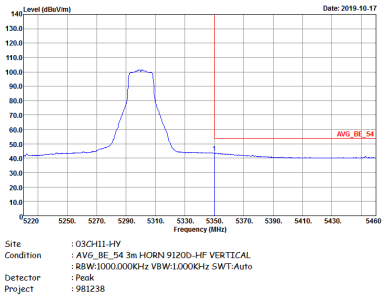
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

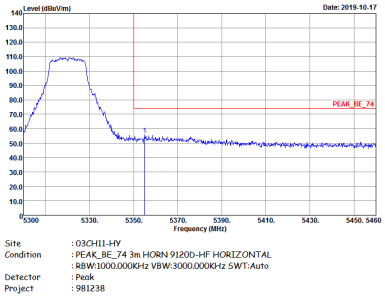
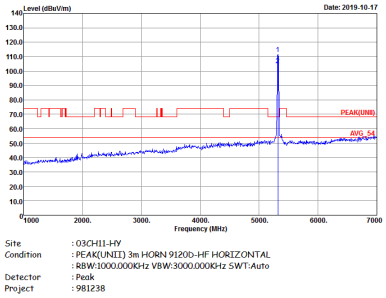
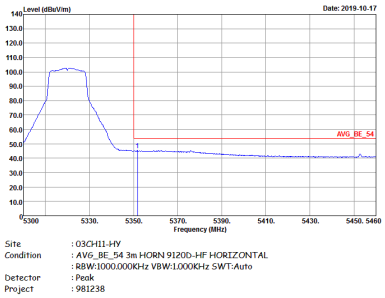
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

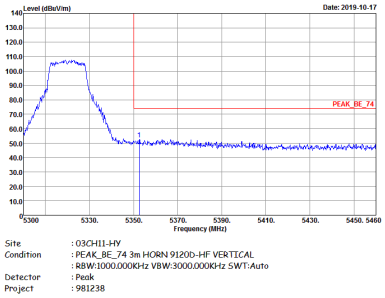
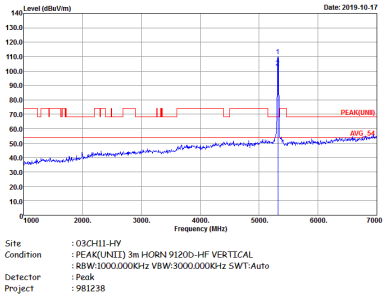
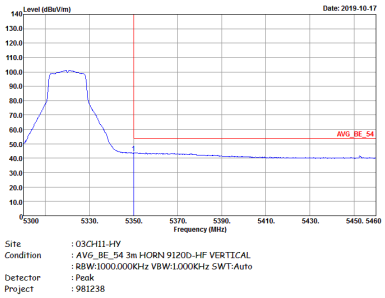
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

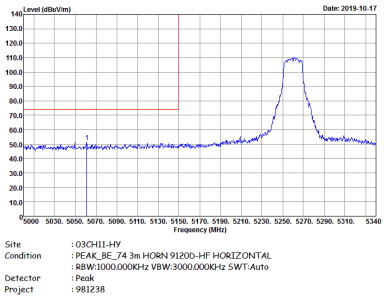
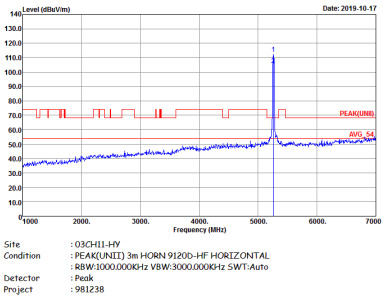
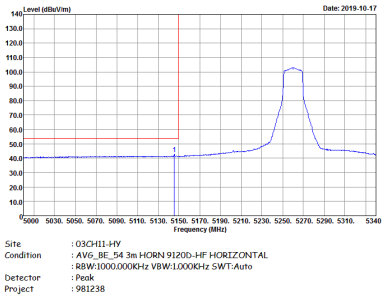
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

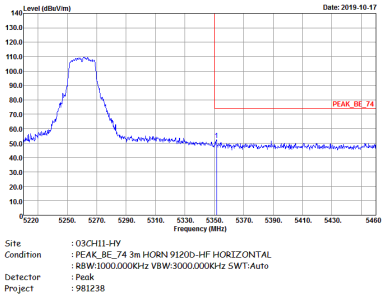
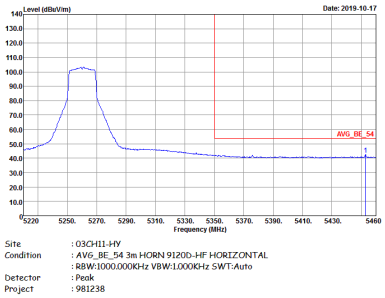
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

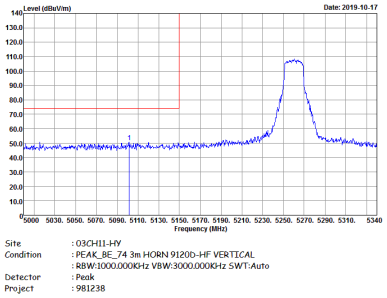
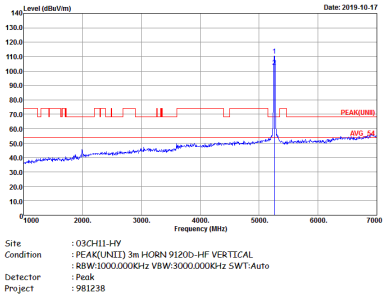
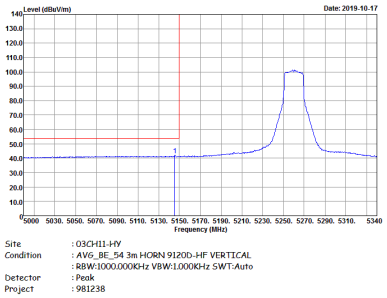
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

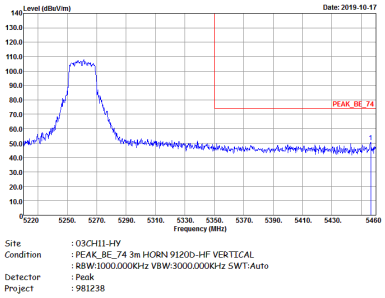
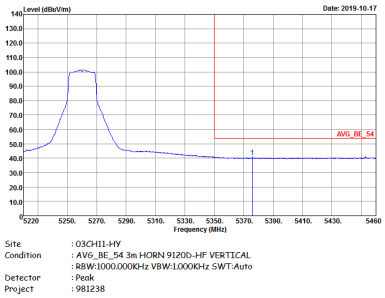
Band 2 5250~5350MHz

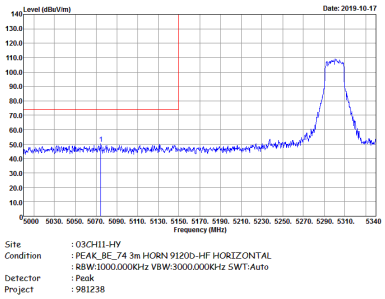
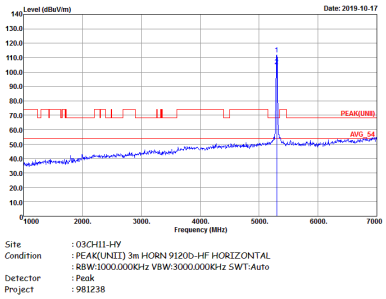
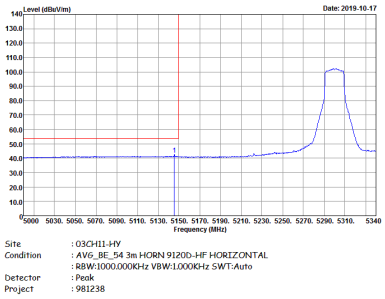
WIFI 802.11ac VHT20 (Band Edge @ 3m)

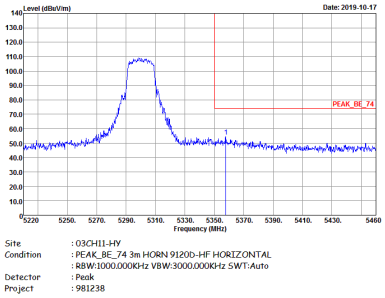
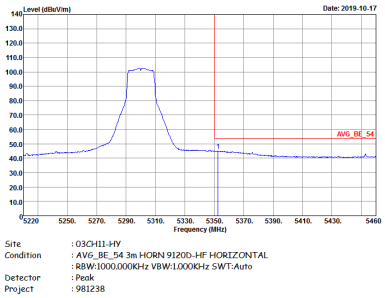
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

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

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

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