FCC RADIO TEST REPORT

FCC ID	:	**UZ7EC500K**
Equipment	:	**Enterprise Computer**
Brand Name	:	**Zebra**
Model Name	:	**EC500K**
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 Jul. 09, 2020 and testing was started from Jul. 16, 2020 and completed on Sep. 03, 2020. 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 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

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

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History of this test report

Report No.	Version	Description	Issued Date
FR070601E	01	Initial issue of report	Sep. 11, 2020

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 1.76 dB at 5146.640 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 7.70 dB at 0.152 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: Yimin Ho

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Enterprise Computer
Brand Name	Zebra
Model Name	EC500K
FCC ID	UZ7EC500K
EUT supports Radios application	NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	EV2
SW Version	Android version 10
FW Version	10-12-29.00-QG-U00-PRD-HEL-04
MFD	17JUN20 13JUN20 20JUN20 15JUN20
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer.
2. All the test cases were performed with Sample 1.

Specification of Accessories				
AC Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V15W0US
USB TYPE-C to TYPE-C cable	**Brand Name**	Zebra	**Part Number**	CBL-EC5X-USBC3A-01
Battery 1	**Brand Name**	Zebra	**Part Number**	BT-000424-00
Battery 2	**Brand Name**	Zebra	**Part Number**	BT-000424-08
Earphone 1	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTVP-01
Earphone 2	**Brand Name**	Zebra	**Part Number**	HS2100-OTH
USB TYPE C to 3.5mm audio connector	**Brand Name**	Symbol	**Part Number**	ADP-USBC-35MM1-01
3.5mm Jack 43"(1.1m) Standard Cable	**Brand Name**	Zebra	**Part Number**	CBL-HS2100-3MS1-01
Trigger Handle	**Brand Name**	Zebra	**Part Number**	TRG-EC5X-SNP1-01
Soft Holster	**Brand Name**	Zebra	**Part Number**	SG-EC5X-HLSTR1-01
Protective Boot	**Brand Name**	Zebra	**Part Number**	SG-EC5X-BOOT1-01

Sample list				
	Sample 1	**Sample 2**	**Sample 3**	**Sample 4**
Operating System	ANDROID	ANDROID	ANDROID	ANDROID
RAM	3GB RAM	4GB	4GB	3GB
FLASH	32GB	64GB	64GB	32GB
Scanner	SE4100	SE4100	SE4100	NO
Front Camera	NO	5MP	5MP	5MP
Rear Camera	13MP	13MP	13MP	13MP
	MICRO SD	MICRO SD	MICRO SD	MICRO SD
	GMS	GMS	GMS	GMS
Back connector	2-PIN	2-PIN	8-PIN	NO I/O CONNECTOR
	ROW - Excludes China	ROW - Excludes China	ROW - Excludes China	ROW - Excludes China

1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Mode>	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>** 802.11a : 15.80 dBm / 0.0380 W 802.11n HT20 : 15.80 dBm / 0.0380 W 802.11n HT40 : 15.60 dBm / 0.0363 W 802.11ac VHT20: 15.90 dBm / 0.0389 W 802.11ac VHT40: 15.70 dBm / 0.0372 W 802.11ac VHT80: 15.60 dBm / 0.0363 W **<Ant. 2>** 802.11a : 15.70 dBm / 0.0372 W 802.11n HT20 : 15.60 dBm / 0.0363 W 802.11n HT40 : 15.80 dBm / 0.0380 W 802.11ac VHT20: 15.70 dBm / 0.0372 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 : 18.51 dBm / 0.0710 W 802.11n HT40 : 18.42 dBm / 0.0695 W 802.11ac VHT20: 18.61 dBm / 0.0726 W 802.11ac VHT40: 18.52 dBm / 0.0711 W 802.11ac VHT80: 17.61 dBm / 0.0577 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: 15.70 dBm / 0.0372 W **<Ant. 2>** 802.11a : 15.90 dBm / 0.0389 W 802.11n HT20 : 15.80 dBm / 0.0380 W 802.11n HT40 : 15.60 dBm / 0.0363 W 802.11ac VHT20: 15.90 dBm / 0.0389 W 802.11ac VHT40: 15.70 dBm / 0.0372 W 802.11ac VHT80: 13.40 dBm / 0.0219 W **MIMO <Ant. 1+2>** 802.11a : 18.81 dBm / 0.0760 W 802.11n HT20 : 18.76 dBm / 0.0752 W 802.11n HT40 : 18.46 dBm / 0.0701 W 802.11ac VHT20: 18.86 dBm / 0.0769 W 802.11ac VHT40: 18.56 dBm / 0.0718 W 802.11ac VHT80: 15.26 dBm / 0.0336 W

Product Specification subjective to this standard	
Maximum Output Power to Antenna <CDD Mode>	**<5500 MHz ~ 5720 MHz>** **<Ant. 1>** 802.11a : 14.90 dBm / 0.0309 W 802.11n HT20 : 14.80 dBm / 0.0302 W 802.11n HT40 : 14.80 dBm / 0.0302 W 802.11ac VHT20: 14.90 dBm / 0.0309 W 802.11ac VHT40: 15.40 dBm / 0.0347 W 802.11ac VHT80: 14.80 dBm / 0.0302 W **<Ant. 2>** 802.11a : 14.90 dBm / 0.0309 W 802.11n HT20 : 14.80 dBm / 0.0302 W 802.11n HT40 : 14.80 dBm / 0.0302 W 802.11ac VHT20: 14.90 dBm / 0.0309 W 802.11ac VHT40: 14.90 dBm / 0.0309 W 802.11ac VHT80: 14.80 dBm / 0.0302 W **MIMO <Ant. 1+2>** 802.11a : 18.86 dBm / 0.0769 W 802.11n HT20 : 18.71 dBm / 0.0743 W 802.11n HT40 : 18.76 dBm / 0.0752 W 802.11ac VHT20: 18.81 dBm / 0.0760 W 802.11ac VHT40: 18.86 dBm / 0.0769 W 802.11ac VHT80: 18.91 dBm / 0.0778 W
Maximum Output Power to Antenna <TXBF Mode>	**MIMO <Ant. 1+2>** **<5180 MHz ~ 5240 MHz>** 802.11ac VHT20: 18.56 dBm / 0.0718 W 802.11ac VHT40: 18.31 dBm / 0.0678 W 802.11ac VHT80: 18.06 dBm / 0.0640 W **<5260 MHz ~ 5320 MHz>** 802.11ac VHT20: 18.81 dBm / 0.0760 W 802.11ac VHT40: 18.41 dBm / 0.0693 W 802.11ac VHT80: 17.21 dBm / 0.0526 W **<5500 MHz ~ 5720 MHz>** 802.11ac VHT20: 18.46 dBm / 0.0701 W 802.11ac VHT40: 18.41 dBm / 0.0693 W 802.11ac VHT80: 18.57 dBm / 0.0719 W

<table>
<tr><th colspan="2">Product Specification subjective to this standard</th></tr>
<tr><td>99% Occupied Bandwidth
<CDD Mode></td><td><Ant. 1>
802.11a : 16.75 MHz
802.11ac VHT20 : 17.95 MHz
802.11ac VHT40 : 36.60 MHz
802.11ac VHT80 : 76.92 MHz
<Ant. 2>
802.11a : 16.75 MHz
802.11ac VHT20 : 17.95 MHz
802.11ac VHT40 : 36.60 MHz
802.11ac VHT80 : 76.80 MHz
MIMO <Ant. 1>
802.11a : 16.75 MHz
802.11ac VHT20 : 17.90 MHz
802.11ac VHT40 : 36.70 MHz
802.11ac VHT80 : 76.92 MHz
MIMO <Ant. 2>
802.11a : 16.70 MHz
802.11ac VHT20 : 17.90 MHz
802.11ac VHT40 : 36.60 MHz
802.11ac VHT80 : 76.92 MHz</td></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Mode></td><td>MIMO <Ant. 1>
802.11ac VHT20 : 17.98 MHz
802.11ac VHT40 : 36.56 MHz
802.11ac VHT80 : 78.16 MHz
MIMO <Ant. 2>
802.11ac VHT20 : 17.88 MHz
802.11ac VHT40 : 36.96 MHz
802.11ac VHT80 : 78.04 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 1 : PIFA Antenna with gain 3.40 dBi
Ant. 2 : PIFA Antenna with gain 3.90 dBi
<5260 MHz ~ 5320 MHz>
Ant. 1 : PIFA Antenna with gain 3.30 dBi
Ant. 2 : PIFA Antenna with gain 3.70 dBi
<5500 MHz ~ 5720 MHz>
Ant. 1 : PIFA Antenna with gain 3.30 dBi
Ant. 2 : PIFA Antenna with gain 4.10 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK/QPSK/16QAM/64QAM)
802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 1</th><th>Ant. 2</th></tr>
<tr><td>802.11 a/n/ac</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac 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.**	
	TH05-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. The TAF code is not including all the FCC KDB listed without accreditation.
3. 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 (CDD Mode: X plane; TXBF Mode: Z plane with Notebook) 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.

CDD 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 + NFC active + Battery 1 + MPEG4 (Color bar) + USB Cable (Charging with AC Adapter) for Sample 1
Remark: For Radiated Test Cases, the tests were performed with Battery 1 and Sample 1.	

<CDD Mode>

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

Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

<TXBF Mode>

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
CH 036	5180	15.70	CH 044	15.70	15.70	15.60	15.70	15.60	15.50	15.60
CH 044	5220	**15.80**								
CH 048	5240	15.60								
CH 052	5260	15.70	CH 064	15.80	15.80	15.70	15.80	15.70	15.60	15.60
CH 060	5300	15.70								
CH 064	5320	**15.90**								
CH 100	5500	14.70	CH 140	14.80	14.80	14.80	14.70	14.70	14.70	14.80
CH 116	5580	14.80								
CH 140	5700	**14.90**								
CH 144*	5720	14.80								

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
CH 036	5180	15.60	CH 048	15.70	15.50	15.50	15.50	15.50	15.50	15.60
CH 044	5220	15.60								
CH 048	5240	**15.80**								
CH 052	5260	**15.80**	CH 052	15.70	15.60	15.60	15.60	15.70	15.70	15.70
CH 060	5300	15.60								
CH 064	5320	15.70								
CH 100	5500	14.70	CH 116	14.70	14.60	14.60	14.60	14.70	14.70	14.60
CH 116	5580	**14.80**								
CH 140	5700	14.60								
CH 144*	5720	14.60								

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
CH 038	5190	**15.60**	CH 038	15.50	15.30	15.30	15.30	15.40	15.40	15.30
CH 046	5230	**15.60**								
CH 054	5270	**15.80**	CH 054	15.60	15.60	15.60	15.70	15.70	15.60	15.60
CH 062	5310	15.70								
CH 102	5510	14.60	CH 142*	14.70	14.70	14.70	14.70	14.70	14.60	14.60
CH 110	5550	14.60								
CH 134	5670	14.60								
CH 142*	5710	**14.80**								

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
CH 036	5180	15.70	CH 048	15.80	15.60	15.60	15.60	15.60	15.60	15.70	15.70
CH 044	5220	15.70									
CH 048	5240	**15.90**									
CH 052	5260	**15.90**	CH 052	15.80	15.70	15.70	15.70	15.80	15.80	15.80	15.70
CH 060	5300	15.70									
CH 064	5320	15.80									
CH 100	5500	14.80	CH 116	14.80	14.70	14.70	14.70	14.80	14.80	14.70	14.80
CH 116	5580	**14.90**									
CH 140	5700	14.70									
CH 144*	5720	14.70									

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
CH 038	5190	**15.70**	CH 038	15.60	15.40	15.40	15.40	15.50	15.50	15.40	15.50	15.40
CH 046	5230	**15.70**										
CH 054	5270	**15.90**	CH 054	15.70	15.70	15.70	15.80	15.80	15.70	15.70	15.60	15.60
CH 062	5310	15.80										
CH 102	5510	14.70	CH 142*	14.80	14.80	14.80	14.80	14.80	14.70	14.70	14.60	14.60
CH 110	5550	14.70										
CH 134	5670	14.70										
CH 142*	5710	**14.90**										

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
CH 042	5210	**15.60**	CH 042	15.40	15.50	15.50	15.50	15.50	15.50	15.50	15.40	15.40
CH 058	5290	**15.70**	CH 058	15.50	15.60	15.60	15.60	15.60	15.60	15.60	15.50	15.50
CH 106	5530	14.70	CH 122	14.70	14.50	14.50	14.70	14.60	14.60	14.60	14.60	14.60
CH 122	5610	**14.80**										
CH 138*	5690	14.70										

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
CH 036	5180	**15.70**	CH 036	15.60	15.60	15.60	15.50	15.40	15.50	15.50
CH 044	5220	15.60								
CH 048	5240	**15.70**								
CH 052	5260	15.80	CH 064	15.80	15.80	15.60	15.60	15.80	15.80	15.80
CH 060	5300	15.60								
CH 064	5320	**15.90**								
CH 100	5500	14.70	CH 116	14.80	14.80	14.70	14.80	14.80	14.80	14.70
CH 116	5580	**14.90**								
CH 140	5700	14.80								
CH 144*	5720	14.70								

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
CH 036	5180	**15.60**	CH 036	15.50	15.50	15.50	15.40	15.40	15.40	15.40
CH 044	5220	**15.60**								
CH 048	5240	**15.60**								
CH 052	5260	15.60	CH 060	15.70	15.70	15.60	15.60	15.60	15.60	15.60
CH 060	5300	**15.80**								
CH 064	5320	15.70								
CH 100	5500	**14.80**	CH 100	14.70	14.60	14.70	14.50	14.70	14.70	14.60
CH 116	5580	14.60								
CH 140	5700	14.60								
CH 144*	5720	14.60								

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
CH 038	5190	**15.80**	CH 038	15.70	15.40	15.30	15.30	15.40	15.30	15.40
CH 046	5230	**15.80**								
CH 054	5270	**15.60**	CH 054	15.50	15.40	15.50	15.50	15.50	15.40	15.40
CH 062	5310	15.00								
CH 102	5510	**14.80**	CH 102	14.70	14.60	14.50	14.50	14.50	14.60	14.50
CH 110	5550	14.60								
CH 134	5670	14.60								
CH 142*	5710	14.70								

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
CH 036	5180	**15.70**	CH 036	15.60	15.60	15.60	15.50	15.50	15.50	15.50	15.50
CH 044	5220	**15.70**									
CH 048	5240	**15.70**									
CH 052	5260	15.70	CH 060	15.80	15.80	15.70	15.70	15.70	15.70	15.70	15.70
CH 060	5300	**15.90**									
CH 064	5320	15.80									
CH 100	5500	**14.90**	CH 100	14.80	14.70	14.80	14.60	14.80	14.80	14.70	14.70
CH 116	5580	14.70									
CH 140	5700	14.70									
CH 144*	5720	14.70									

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
CH 038	5190	**15.90**	CH 038	15.80	15.50	15.40	15.40	15.50	15.40	15.50	15.50	15.50
CH 046	5230	**15.90**										
CH 054	5270	**15.70**	CH 054	15.60	15.50	15.60	15.60	15.60	15.50	15.50	15.50	15.50
CH 062	5310	15.10										
CH 102	5510	**14.90**	CH 102	14.80	14.70	14.60	14.60	14.60	14.70	14.60	14.60	14.60
CH 110	5550	14.70										
CH 134	5670	14.70										
CH 142*	5710	14.80										

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
CH 042	5210	**15.60**	CH 042	15.40	15.50	15.50	15.20	15.30	15.30	15.30	15.20	15.30
CH 058	5290	**13.40**	CH 058	13.20	13.30	13.30	13.00	13.10	13.10	13.10	13.00	13.10
CH 106	5530	**14.80**	CH 106	14.70	14.70	14.70	14.40	14.50	14.50	14.40	14.40	14.50
CH 122	5610	14.60										
CH 138*	5690	14.70										

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
CH 036	5180	**18.76**	CH 036	18.66	18.66	18.51	18.46	18.61	18.71	18.71
CH 044	5220	18.33								
CH 048	5240	18.61								
CH 052	5260	18.71	CH 060	18.71	18.71	18.61	18.66	18.71	18.71	18.56
CH 060	5300	**18.81**								
CH 064	5320	18.61								
CH 100	5500	**18.86**	CH 100	18.76	18.71	18.66	18.61	18.76	18.71	18.66
CH 116	5580	18.47								
CH 140	5700	18.71								
CH 144*	5720	**18.86**								

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
CH 036	5180	**18.51**	CH 036	18.41	18.41	18.26	18.31	18.26	18.21	18.26
CH 044	5220	**18.51**								
CH 048	5240	18.41								
CH 052	5260	18.46	CH 064	18.66	18.66	18.61	18.51	18.56	18.66	18.66
CH 060	5300	18.61								
CH 064	5320	**18.76**								
CH 100	5500	**18.71**	CH 100	18.61	18.51	18.66	18.61	18.51	18.51	18.41
CH 116	5580	18.23								
CH 140	5700	18.41								
CH 144*	5720	18.61								

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
CH 038	5190	**18.42**	CH 038	18.27	18.21	18.21	18.17	18.27	18.17	18.27
CH 046	5230	**18.42**								
CH 054	5270	**18.46**	CH 054	18.36	18.21	18.21	18.36	18.26	18.26	18.36
CH 062	5310	17.36								
CH 102	5510	18.56	CH 110	18.66	18.56	18.56	18.56	18.51	18.46	18.56
CH 110	5550	**18.76**								
CH 134	5670	18.46								
CH 142*	5710	18.51								

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
CH 036	5180	**18.61**	CH 036	18.51	18.41	18.36	18.41	18.36	18.31	18.36	18.31
CH 044	5220	**18.61**									
CH 048	5240	18.51									
CH 052	5260	18.56	CH 064	18.76	18.76	18.71	18.61	18.66	18.76	18.76	18.66
CH 060	5300	18.71									
CH 064	5320	**18.86**									
CH 100	5500	**18.81**	CH 100	18.71	18.61	18.71	18.71	18.61	18.61	18.51	18.61
CH 116	5580	18.33									
CH 140	5700	18.51									
CH 144*	5720	18.71									

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 MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 038	5190	**18.52**	CH 038	18.37	18.31	18.31	18.27	18.37	18.27	18.37	18.37	18.37
CH 046	5230	**18.52**										
CH 054	5270	**18.56**	CH 054	18.46	18.31	18.31	18.46	18.36	18.36	18.46	18.36	18.36
CH 062	5310	17.46										
CH 102	5510	18.66	CH 110	18.76	18.66	18.66	18.66	18.61	18.56	18.66	18.66	18.56
CH 110	5550	**18.86**										
CH 134	5670	18.56										
CH 142*	5710	18.61										

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 MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 042	5210	**17.61**	CH 042	17.41	17.46	17.36	17.26	17.26	17.36	17.36	17.26	17.26
CH 058	5290	**15.26**	CH 058	15.06	15.11	15.01	14.91	14.91	15.01	15.01	14.91	14.91
CH 106	5530	18.51	CH 138*	18.81	18.81	18.51	18.66	18.61	18.66	18.71	18.61	18.61
CH 122	5610	18.62										
CH 138*	5690	**18.91**										

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
CH 036	5180	18.41	CH 044	18.36	18.16	18.16	18.16	18.16	18.16	18.16	18.16
CH 044	5220	**18.56**									
CH 048	5240	18.41									
CH 052	5260	18.51	CH 064	18.66	18.46	18.46	18.41	18.46	18.46	18.46	18.46
CH 060	5300	18.66									
CH 064	5320	**18.81**									
CH 100	5500	**18.46**	CH 100	18.31	18.11	18.11	18.11	18.11	18.11	18.11	18.11
CH 116	5580	18.31									
CH 140	5700	18.32									
CH 144*	5720	18.41									

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
CH 038	5190	18.21	CH 046	18.16	18.16	18.16	18.16	18.11	18.16	18.11	18.11	18.11
CH 046	5230	**18.31**										
CH 054	5270	**18.41**	CH 054	18.26	18.16	18.21	18.21	18.21	18.26	18.21	18.21	18.21
CH 062	5310	17.41										
CH 102	5510	18.21	CH 110	18.27	18.22	18.22	18.22	18.22	18.27	18.22	18.22	18.22
CH 110	5550	**18.41**										
CH 134	5670	18.21										
CH 142*	5710	18.17										

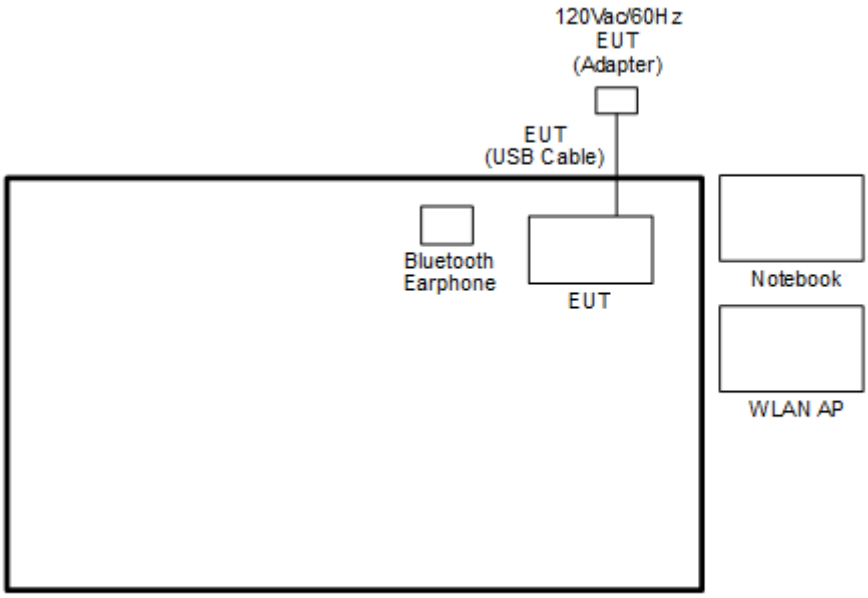
Note: The above Frequency and Channel in "*" were straddle Channel.

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
CH 042	5210	**18.06**	CH 042	17.86	17.91	17.91	17.96	17.96	17.96	17.96	17.96	17.96
CH 058	5290	**17.21**	CH 058	17.06	17.06	17.06	17.06	17.06	17.06	17.06	17.06	17.06
CH 106	5530	18.06	CH 122	18.43	18.43	18.43	18.43	18.43	18.43	18.43	18.43	18.43
CH 122	5610	**18.57**										
CH 138*	5690	18.37										

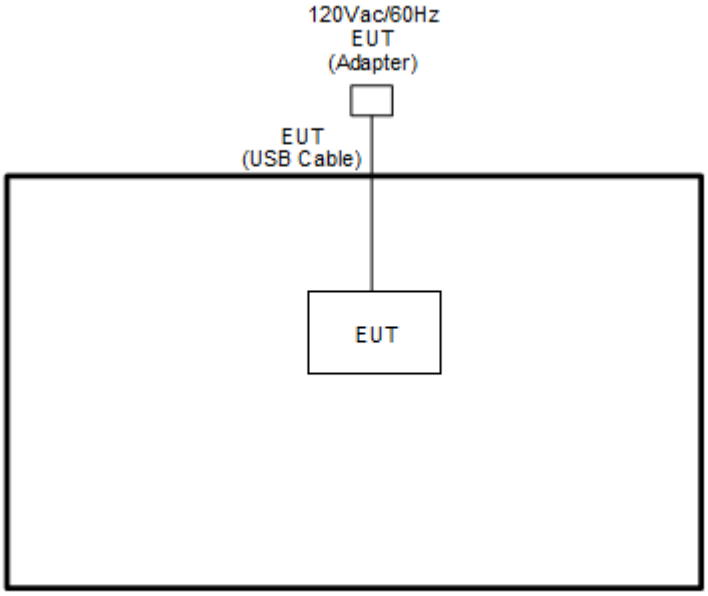
Note: The above Frequency and Channel in "*" were straddle Channel.

2.3 Connection Diagram of Test System

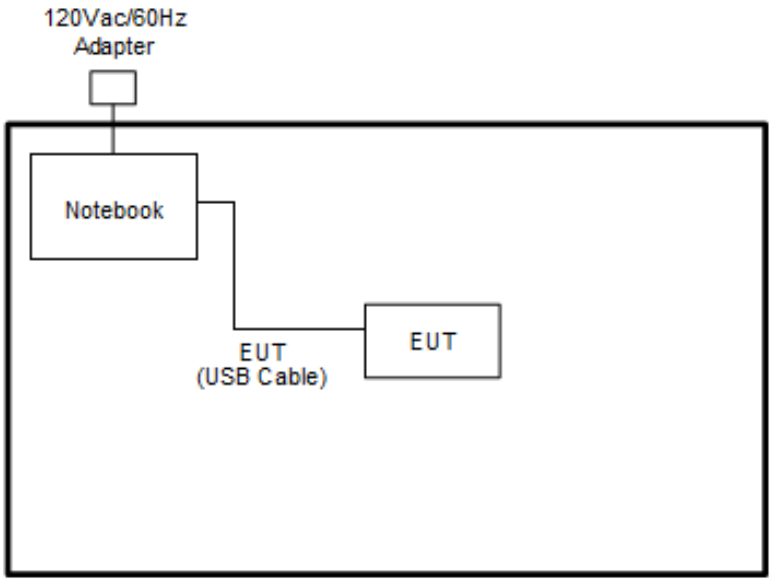
<AC Conducted Emission Mode>



<CDD Mode>



<TXBF Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude E3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	DELL	PP42L	FCC DoC	N/A	AC I/P: Unshielded, 0.8 m DC O/P: Shielded, 1.77 m
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT v4” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 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.

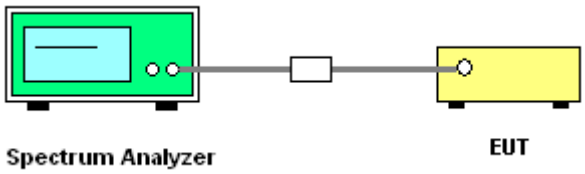
3.1.2 Measuring Instruments

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

<CDD Mode>

Test Engineer :	Hank Hsu, Shiming Liu and Mina Liu	Temperature :	23.5~24.3℃
		Relative Humidity :	49~55%

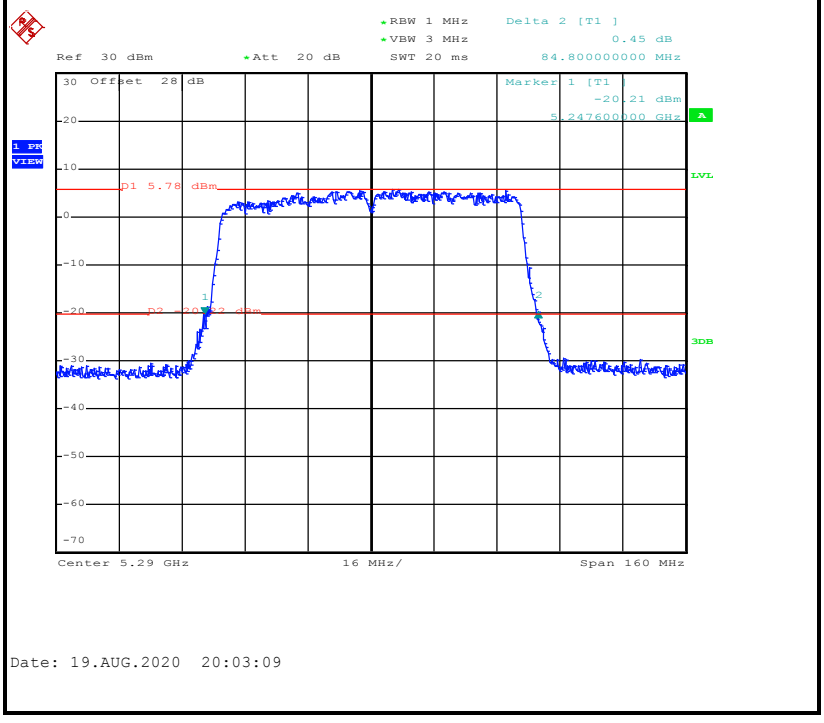
Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	16.70	16.65	23.85	24.45	-		22.23	22.21	
11a	6Mbps	1	44	5220	16.70	16.75	24.40	24.95	-		22.23	22.24	
11a	6Mbps	1	48	5240	16.65	16.65	24.40	24.15	-		22.21	22.21	
VHT20	MCS0	1	36	5180	17.90	17.85	25.35	25.25	-		22.53	22.52	
VHT20	MCS0	1	44	5220	17.85	17.90	25.45	25.85	-		22.52	22.53	
VHT20	MCS0	1	48	5240	17.85	17.90	25.75	25.50	-		22.52	22.53	
VHT40	MCS0	1	38	5190	36.60	36.60	41.76	41.58	-		23.01	23.01	
VHT40	MCS0	1	46	5230	36.60	36.60	41.76	41.76	-		23.01	23.01	
VHT80	MCS0	1	42	5210	**76.80**	**76.80**	83.82	83.74	-		23.01	23.01	
11a	6Mbps	2	36	5180	16.65	16.65	23.95	23.80	-		22.21		-
11a	6Mbps	2	44	5220	16.65	16.65	24.35	24.00	-		22.21		
11a	6Mbps	2	48	5240	16.70	16.65	24.00	24.20	-		22.21		
VHT20	MCS0	2	36	5180	17.80	17.85	25.15	24.65	-		22.50		
VHT20	MCS0	2	44	5220	17.85	17.85	25.85	25.80	-		22.52		
VHT20	MCS0	2	48	5240	17.85	17.80	25.65	25.00	-		22.50		
VHT40	MCS0	2	38	5190	36.70	36.50	41.94	41.86	-		23.01		
VHT40	MCS0	2	46	5230	36.60	36.60	41.58	41.85	-		23.01		
VHT80	MCS0	2	42	5210	76.68	**76.80**	**83.84**	82.56	-		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	16.75	16.70	24.20	24.15	23.24	23.23	29.24	29.23	23.98	23.98	
11a	6Mbps	1	60	5300	16.65	16.75	24.40	24.10	23.21	23.24	29.21	29.24	23.98	23.98	
11a	6Mbps	1	64	5320	16.65	16.70	24.05	24.20	23.21	23.23	29.21	29.23	23.98	23.98	
VHT20	MCS0	1	52	5260	17.90	17.85	25.80	25.65	23.53	23.52	29.53	29.52	23.98	23.98	
VHT20	MCS0	1	60	5300	17.85	17.85	25.70	26.50	23.52	23.52	29.52	29.52	23.98	23.98	
VHT20	MCS0	1	64	5320	17.90	17.90	25.70	26.40	23.53	23.53	29.53	29.53	23.98	23.98	
VHT40	MCS0	1	54	5270	36.60	36.50	41.67	41.76	23.98	23.98	30.00	30.00	23.98	23.98	
VHT40	MCS0	1	62	5310	36.50	36.60	42.00	41.58	23.98	23.98	30.00	30.00	23.98	23.98	
VHT80	MCS0	1	58	5290	76.80	76.80	83.84	**84.80**	23.98	23.98	30.00	30.00	23.98	23.98	
11a	6Mbps	2	52	5260	16.65	16.65	23.65	24.05	23.21		29.21		23.98		-
11a	6Mbps	2	60	5300	16.75	16.65	24.15	24.35	23.21		29.21		23.98		
11a	6Mbps	2	64	5320	16.70	16.70	23.90	24.40	23.23		29.23		23.98		
VHT20	MCS0	2	52	5260	17.90	17.85	25.50	25.10	23.52		29.52		23.98		
VHT20	MCS0	2	60	5300	17.80	17.85	25.70	25.10	23.50		29.50		23.98		
VHT20	MCS0	2	64	5320	17.90	17.85	25.90	25.45	23.52		29.52		23.98		
VHT40	MCS0	2	54	5270	36.50	36.50	41.58	41.94	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.60	36.60	41.94	41.94	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.80	**76.92**	84.72	83.20	23.98		30.00		23.98		

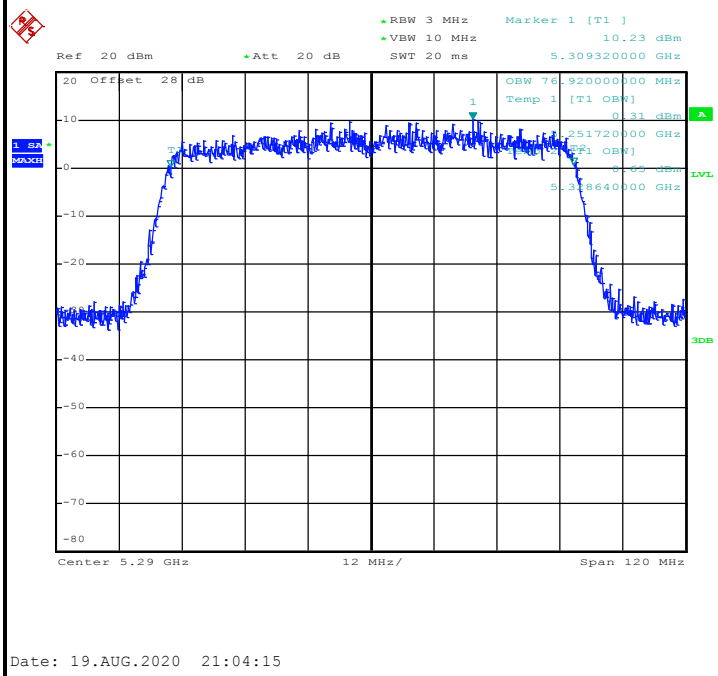
Band III																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.70	16.65	24.10	24.90	23.23	23.21	29.23	29.21	23.98	23.98	----	----
11a	6Mbps	1	116	5580	16.65	16.70	24.20	24.40	23.21	23.23	29.21	29.23	23.98	23.98	----	----
11a	6Mbps	1	140	5700	16.75	16.75	24.30	24.70	23.24	23.24	29.24	29.24	23.98	23.98	----	----
VHT20	MCS0	1	100	5500	17.95	17.90	25.25	25.75	23.54	23.53	29.54	29.53	23.98	23.98	----	----
VHT20	MCS0	1	116	5580	17.85	17.90	25.20	25.60	23.52	23.53	29.52	29.53	23.98	23.98	----	----
VHT20	MCS0	1	140	5700	17.90	17.95	25.70	26.45	23.53	23.54	29.53	29.54	23.98	23.98	----	----
VHT40	MCS8	1	102	5510	36.50	36.60	41.94	41.76	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT40	MCS8	1	110	5550	36.60	36.60	41.58	41.58	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT40	MCS8	1	134	5670	36.50	36.60	42.01	41.71	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	106	5530	**76.92**	76.68	83.76	83.84	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	122	5610	**76.92**	76.80	84.20	**84.80**	23.98	23.98	30.00	30.00	23.98	23.98	----	----
11a	6Mbps	2	100	5500	16.70	16.65	24.35	24.50	23.21		29.21		23.98		----	----
11a	6Mbps	2	116	5580	16.70	16.65	24.00	24.15	23.21		29.21		23.98		----	----
11a	6Mbps	2	140	5700	16.75	16.65	24.55	24.70	23.21		29.21		23.98		----	----
VHT20	MCS0	2	100	5500	17.85	17.85	25.60	25.50	23.52		29.52		23.98		----	----
VHT20	MCS0	2	116	5580	17.85	17.90	25.65	25.60	23.52		29.52		23.98		----	----
VHT20	MCS0	2	140	5700	17.90	17.90	26.35	26.00	23.53		29.53		23.98		----	----
VHT40	MCS0	2	102	5510	36.50	36.60	41.94	42.04	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.50	36.60	41.76	41.82	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.60	36.60	41.70	41.70	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.68	76.80	**84.80**	83.20	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	**76.92**	**76.92**	83.63	**84.36**	23.98		30.00		23.98		----	----

Band III straddle channel																	
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	144	5720	13.35	13.35	17.00	24.70	22.25	22.25	28.25	28.25	23.30	23.98	2.80	2.75
VHT20	MCS0	1	144	5720	13.90	13.90	18.05	17.65	22.43	22.43	28.43	28.43	23.56	23.47	2.55	3.40
VHT40	MCS8	1	142	5710	33.30	33.30	35.88	35.79	23.98	23.98	30.00	30.00	23.98	23.98	2.52	3.18
VHT80	MCS0	1	138	5690	73.64	73.28	77.08	76.42	23.98	23.98	30.00	30.00	23.98	23.98	2.60	2.60
11a	6Mbps	2	144	5720	13.35	13.30	16.95	17.00	22.24		28.24		23.29		2.55	2.55
VHT20	MCS0	2	144	5720	13.90	13.90	17.35	18.10	22.43		28.43		23.39		2.5	2.75
VHT40	MCS0	2	142	5710	33.40	33.30	35.97	35.79	23.98		30.00		23.98		2.52	2.52
VHT80	MCS0	2	138	5690	73.52	73.52	77.11	77.56	23.98		30.00		23.98		2.60	2.60

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 Mode>

Test Engineer :	Shiming Liu	Temperature :	23.9~24.5℃
		Relative Humidity :	53~54%

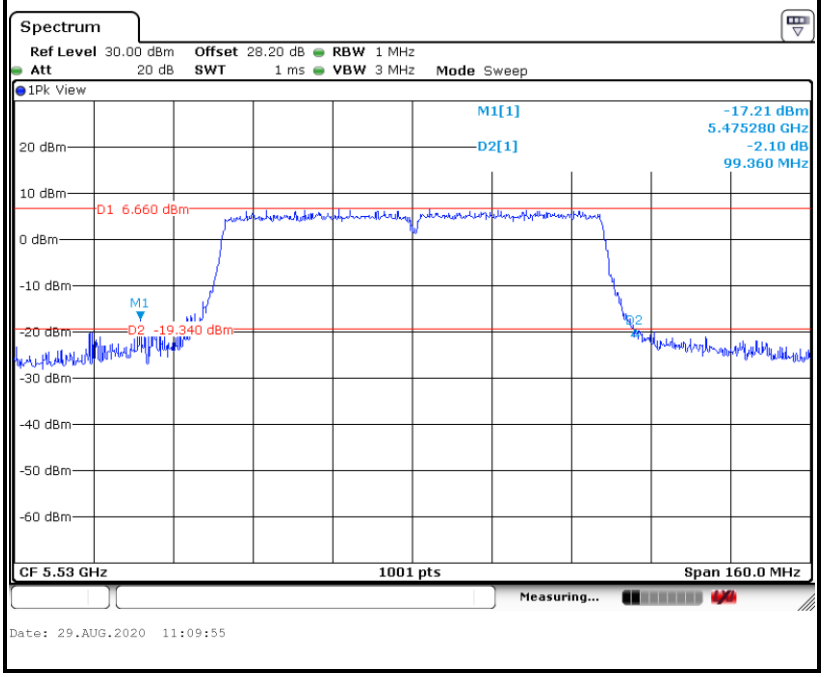
Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	36	5180	17.93	17.83	25.45	24.90	-		22.51		-
VHT20	MCS0	2	44	5220	17.93	17.83	25.70	25.60	-		22.51		
VHT20	MCS0	2	48	5240	17.93	17.83	25.75	25.75	-		22.51		
VHT40	MCS0	2	38	5190	36.56	36.56	42.30	41.22	-		23.01		
VHT40	MCS0	2	46	5230	36.46	36.96	42.03	41.58	-		23.01		
VHT80	MCS0	2	42	5210	76.84	**76.96**	**83.84**	83.20	-		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	17.98	17.83	25.85	25.30	23.51		29.51		23.98		-
VHT20	MCS0	2	60	5300	17.93	17.88	25.95	25.25	23.52		29.52		23.98		
VHT20	MCS0	2	64	5320	17.93	17.83	25.75	25.30	23.51		29.51		23.98		
VHT40	MCS0	2	54	5270	36.56	36.56	42.84	41.67	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.56	36.46	42.12	41.67	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	**78.16**	78.04	90.08	**92.80**	23.98		30.00		23.98		

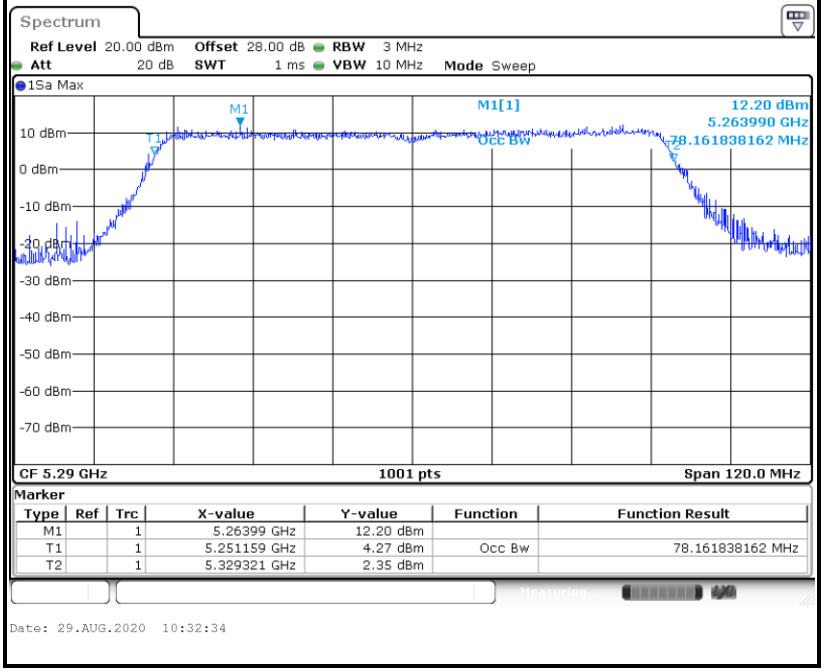
Band III																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
VHT20	MCS0	2	100	5500	17.93	17.83	26.20	26.15	23.51		29.51		23.98		----	----
VHT20	MCS0	2	116	5580	17.93	17.83	25.75	26.10	23.51		29.51		23.98		----	----
VHT20	MCS0	2	140	5700	17.93	17.88	26.00	25.80	23.52		29.52		23.98		----	----
VHT40	MCS0	2	102	5510	36.46	36.46	42.12	41.58	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.46	36.46	42.03	42.30	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.56	36.46	42.84	42.03	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	**78.04**	**78.04**	90.08	**99.36**	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.72	**76.84**	**84.00**	83.52	23.98		30.00		23.98		----	----

Band III straddle channel																	
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	144	5720	13.99	13.89	17.84	18.14	22.43		28.43		23.51		3.44	3.79
VHT40	MCS0	2	142	5710	33.18	33.18	36.04	35.77	23.98		30.00		23.98		2.62	3.16
VHT80	MCS0	2	138	5690	73.48	73.24	77.24	76.44	23.98		30.00		23.98		2.60	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.

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

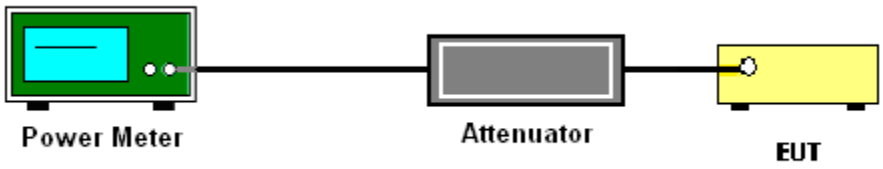
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

<CDD Mode>

Test Engineer :	Hank Hsu, Shiming Liu and Mina Liu	Temperature :	23.5~24.3℃
		Relative Humidity :	49~55%

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	15.70	15.70		24.00	24.00	3.40	3.90	Pass
11a	6Mbps	1	44	5220	15.80	15.60		24.00	24.00	3.40	3.90	Pass
11a	6Mbps	1	48	5240	15.60	15.70		24.00	24.00	3.40	3.90	Pass
HT20	MCS0	1	36	5180	15.60	15.60		24.00	24.00	3.40	3.90	Pass
HT20	MCS0	1	44	5220	15.60	15.60		24.00	24.00	3.40	3.90	Pass
HT20	MCS0	1	48	5240	15.80	15.60		24.00	24.00	3.40	3.90	Pass
HT40	MCS0	1	38	5190	15.60	15.80		24.00	24.00	3.40	3.90	Pass
HT40	MCS0	1	46	5230	15.60	15.80		24.00	24.00	3.40	3.90	Pass
VHT20	MCS0	1	36	5180	15.70	15.70		24.00	24.00	3.40	3.90	Pass
VHT20	MCS0	1	44	5220	15.70	15.70		24.00	24.00	3.40	3.90	Pass
VHT20	MCS0	1	48	5240	**15.90**	15.70		24.00	24.00	3.40	3.90	Pass
VHT40	MCS0	1	38	5190	15.70	**15.90**		24.00	24.00	3.40	3.90	Pass
VHT40	MCS0	1	46	5230	15.70	**15.90**		24.00	24.00	3.40	3.90	Pass
VHT80	MCS0	1	42	5210	15.60	15.60		24.00	24.00	3.40	3.90	Pass
11a	6Mbps	2	36	5180	15.90	15.60	**18.76**	24.00		3.90		Pass
11a	6Mbps	2	44	5220	15.70	14.90	18.33	24.00		3.90		Pass
11a	6Mbps	2	48	5240	15.80	15.40	18.61	24.00		3.90		Pass
HT20	MCS0	2	36	5180	15.70	15.30	18.51	24.00		3.90		Pass
HT20	MCS0	2	44	5220	15.70	15.30	18.51	24.00		3.90		Pass
HT20	MCS0	2	48	5240	15.60	15.20	18.41	24.00		3.90		Pass
HT40	MCS0	2	38	5190	15.70	15.10	18.42	24.00		3.90		Pass
HT40	MCS0	2	46	5230	15.70	15.10	18.42	24.00		3.90		Pass
VHT20	MCS0	2	36	5180	15.80	15.40	18.61	24.00		3.90		Pass
VHT20	MCS0	2	44	5220	15.80	15.40	18.61	24.00		3.90		Pass
VHT20	MCS0	2	48	5240	15.70	15.30	18.51	24.00		3.90		Pass
VHT40	MCS0	2	38	5190	15.80	15.20	18.52	24.00		3.90		Pass
VHT40	MCS0	2	46	5230	15.80	15.20	18.52	24.00		3.90		Pass
VHT80	MCS0	2	42	5210	14.80	14.40	17.61	24.00		3.90		Pass

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	15.70	15.80		23.98	23.98	3.30	3.70	30	Pass
11a	6Mbps	1	60	5300	15.70	15.60		23.98	23.98	3.30	3.70	30	Pass
11a	6Mbps	1	64	5320	15.90	15.90		23.98	23.98	3.30	3.70	30	Pass
HT20	MCS0	1	52	5260	15.80	15.60		23.98	23.98	3.30	3.70	30	Pass
HT20	MCS0	1	60	5300	15.60	15.80		23.98	23.98	3.30	3.70	30	Pass
HT20	MCS0	1	64	5320	15.70	15.70		23.98	23.98	3.30	3.70	30	Pass
HT40	MCS0	1	54	5270	15.80	15.60		23.98	23.98	3.30	3.70	30	Pass
HT40	MCS0	1	62	5310	15.70	15.00		23.98	23.98	3.30	3.70	30	Pass
VHT20	MCS0	1	52	5260	15.90	15.70		23.98	23.98	3.30	3.70	30	Pass
VHT20	MCS0	1	60	5300	15.70	15.90		23.98	23.98	3.30	3.70	30	Pass
VHT20	MCS0	1	64	5320	15.80	15.80		23.98	23.98	3.30	3.70	30	Pass
VHT40	MCS0	1	54	5270	15.90	15.70		23.98	23.98	3.30	3.70	30	Pass
VHT40	MCS0	1	62	5310	15.80	15.10		23.98	23.98	3.30	3.70	30	Pass
VHT80	MCS0	1	58	5290	15.70	13.40		23.98	23.98	3.30	3.70	30	Pass
11a	6Mbps	2	52	5260	15.90	15.50	18.71	23.98		3.70		30	Pass
11a	6Mbps	2	60	5300	15.80	15.80	18.81	23.98		3.70		30	Pass
11a	6Mbps	2	64	5320	15.50	15.70	18.61	23.98		3.70		30	Pass
HT20	MCS0	2	52	5260	15.60	15.30	18.46	23.98		3.70		30	Pass
HT20	MCS0	2	60	5300	15.60	15.60	18.61	23.98		3.70		30	Pass
HT20	MCS0	2	64	5320	15.70	15.80	18.76	23.98		3.70		30	Pass
HT40	MCS0	2	54	5270	15.60	15.30	18.46	23.98		3.70		30	Pass
HT40	MCS0	2	62	5310	14.40	14.30	17.36	23.98		3.70		30	Pass
VHT20	MCS0	2	52	5260	15.70	15.40	18.56	23.98		3.70		30	Pass
VHT20	MCS0	2	60	5300	15.70	15.70	18.71	23.98		3.70		30	Pass
VHT20	MCS0	2	64	5320	15.80	15.90	**18.86**	23.98		3.70		30	Pass
VHT40	MCS0	2	54	5270	15.70	15.40	18.56	23.98		3.70		30	Pass
VHT40	MCS0	2	62	5310	14.50	14.40	17.46	23.98		3.70		30	Pass
VHT80	MCS0	2	58	5290	12.40	12.10	15.26	23.98		3.70		30	Pass

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	14.70	14.70		23.98	23.98	3.30	4.10	30	Pass
11a	6Mbps	1	116	5580	14.80	14.90		23.98	23.98	3.30	4.10	30	Pass
11a	6Mbps	1	140	5700	14.90	14.80		23.98	23.98	3.30	4.10	30	Pass
HT20	MCS0	1	100	5500	14.70	14.80		23.98	23.98	3.30	4.10	30	Pass
HT20	MCS0	1	116	5580	14.80	14.60		23.98	23.98	3.30	4.10	30	Pass
HT20	MCS0	1	140	5700	14.60	14.60		23.98	23.98	3.30	4.10	30	Pass
HT40	MCS0	1	102	5510	14.60	14.80		23.98	23.98	3.30	4.10	30	Pass
HT40	MCS0	1	110	5550	14.60	14.60		23.98	23.98	3.30	4.10	30	Pass
HT40	MCS0	1	134	5670	14.60	14.60		23.98	23.98	3.30	4.10	30	Pass
VHT20	MCS0	1	100	5500	14.80	14.90		23.98	23.98	3.30	4.10	30	Pass
VHT20	MCS0	1	116	5580	14.90	14.70		23.98	23.98	3.30	4.10	30	Pass
VHT20	MCS0	1	140	5700	14.70	14.70		23.98	23.98	3.30	4.10	30	Pass
VHT40	MCS8	1	102	5510	15.40	14.90		23.98	23.98	3.30	4.10	30	Pass
VHT40	MCS8	1	110	5550	14.70	14.70		23.98	23.98	3.30	4.10	30	Pass
VHT40	MCS8	1	134	5670	14.70	14.70		23.98	23.98	3.30	4.10	30	Pass
VHT80	MCS0	1	106	5530	14.70	14.80		23.98	23.98	3.30	4.10	30	Pass
VHT80	MCS0	1	122	5610	14.80	14.60		23.98	23.98	3.30	4.10	30	Pass
11a	6Mbps	2	100	5500	15.90	15.80	18.86	23.98		4.10		30	Pass
11a	6Mbps	2	116	5580	15.70	15.20	18.47	23.98		4.10		30	Pass
11a	6Mbps	2	140	5700	15.80	15.60	18.71	23.98		4.10		30	Pass
HT20	MCS0	2	100	5500	15.70	15.70	18.71	23.98		4.10		30	Pass
HT20	MCS0	2	116	5580	15.60	14.80	18.23	23.98		4.10		30	Pass
HT20	MCS0	2	140	5700	15.60	15.20	18.41	23.98		4.10		30	Pass
HT40	MCS0	2	102	5510	15.50	15.60	18.56	23.98		4.10		30	Pass
HT40	MCS0	2	110	5550	15.80	15.70	18.76	23.98		4.10		30	Pass
HT40	MCS0	2	134	5670	15.60	15.30	18.46	23.98		4.10		30	Pass
VHT20	MCS0	2	100	5500	15.80	15.80	18.81	23.98		4.10		30	Pass
VHT20	MCS0	2	116	5580	15.70	14.90	18.33	23.98		4.10		30	Pass
VHT40	MCS0	2	102	5510	15.60	15.70	18.66	23.98		4.10		30	Pass
VHT40	MCS0	2	110	5550	15.90	15.80	18.86	23.98		4.10		30	Pass
VHT40	MCS0	2	134	5670	15.70	15.40	18.56	23.98		4.10		30	Pass
VHT80	MCS0	2	106	5530	15.40	15.60	18.51	23.98		4.10		30	Pass
VHT80	MCS0	2	122	5610	15.90	15.30	18.62	23.98		4.10		30	Pass

Band III straddle channel													
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	144	5720	14.80	14.70		23.30	23.98	3.30	4.10	30	Pass
HT20	MCS0	1	144	5720	14.60	14.60		23.98	23.98	3.30	4.10	30	Pass
HT40	MCS0	1	142	5710	14.80	14.70		23.98	23.98	3.30	4.10	30	Pass
VHT20	MCS0	1	144	5720	14.70	14.70		23.56	23.47	3.30	4.10	30	Pass
VHT40	MCS8	1	142	5710	14.90	14.80		23.98	23.98	3.30	4.10	30	Pass
VHT80	MCS0	1	138	5690	14.70	14.70		23.98	23.98	3.30	4.10	30	Pass
11a	6Mbps	2	144	5720	15.90	15.80	18.86	23.29		4.10		30	Pass
HT20	MCS0	2	144	5720	15.60	15.60	18.61	23.98		4.10		30	Pass
HT40	MCS0	2	142	5710	15.40	15.60	18.51	23.98		4.10		30	Pass
VHT20	MCS0	2	144	5720	15.70	15.70	18.71	23.39		4.10		30	Pass
VHT40	MCS0	2	142	5710	15.50	15.70	18.61	23.98		4.10		30	Pass
VHT80	MCS0	2	138	5690	15.90	15.90	**18.91**	23.98		4.10		30	Pass

<TXBF Mode>

Test Engineer :	Shiming Liu	Temperature :	23.9~24.5℃
		Relative Humidity :	53~54%

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	15.40	15.40	18.41	23.34		6.66		Pass
VHT20	MCS0	2	44	5220	15.50	15.60	**18.56**	23.34		6.66		Pass
VHT20	MCS0	2	48	5240	15.40	15.40	18.41	23.34		6.66		Pass
VHT40	MCS0	2	38	5190	15.20	15.20	18.21	23.34		6.66		Pass
VHT40	MCS0	2	46	5230	15.30	15.30	18.31	23.34		6.66		Pass
VHT80	MCS0	2	42	5210	15.10	15.00	18.06	23.34		6.66		Pass

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	15.50	15.50	18.51	23.47		6.51		30	Pass
VHT20	MCS0	2	60	5300	15.60	15.70	18.66	23.47		6.51		30	Pass
VHT20	MCS0	2	64	5320	15.80	15.80	**18.81**	23.47		6.51		30	Pass
VHT40	MCS0	2	54	5270	15.40	15.40	18.41	23.47		6.51		30	Pass
VHT40	MCS0	2	62	5310	14.30	14.50	17.41	23.47		6.51		30	Pass
VHT80	MCS0	2	58	5290	14.10	14.30	17.21	23.47		6.51		30	Pass

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	15.50	15.40	18.46	23.26		6.72		30	Pass
VHT20	MCS0	2	116	5580	15.50	15.10	18.31	23.26		6.72		30	Pass
VHT20	MCS0	2	140	5700	15.60	15.00	18.32	23.26		6.72		30	Pass
VHT40	MCS0	2	102	5510	15.20	15.20	18.21	23.26		6.72		30	Pass
VHT40	MCS0	2	110	5550	15.60	15.20	18.41	23.26		6.72		30	Pass
VHT40	MCS0	2	134	5670	15.40	15.00	18.21	23.26		6.72		30	Pass
VHT80	MCS0	2	106	5530	15.10	15.00	18.06	23.26		6.72		30	Pass
VHT80	MCS0	2	122	5610	15.90	15.20	**18.57**	23.26		6.72		30	Pass

Band III straddle channel													
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	144	5720	15.60	15.20	18.41	22.79		6.72		30	Pass
VHT40	MCS0	2	142	5710	15.50	14.80	18.17	23.26		6.72		30	Pass
VHT80	MCS0	2	138	5690	15.60	15.10	18.37	23.26		6.72		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):

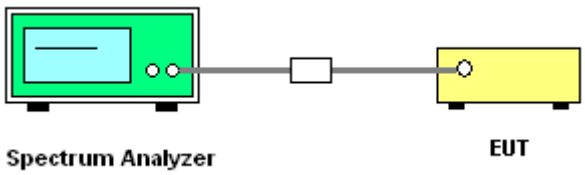
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the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

<CDD Mode>

Test Engineer :	Hank Hsu, Shiming Liu and Mina Liu	Temperature :	23.5~24.3℃
		Relative Humidity :	49~55%

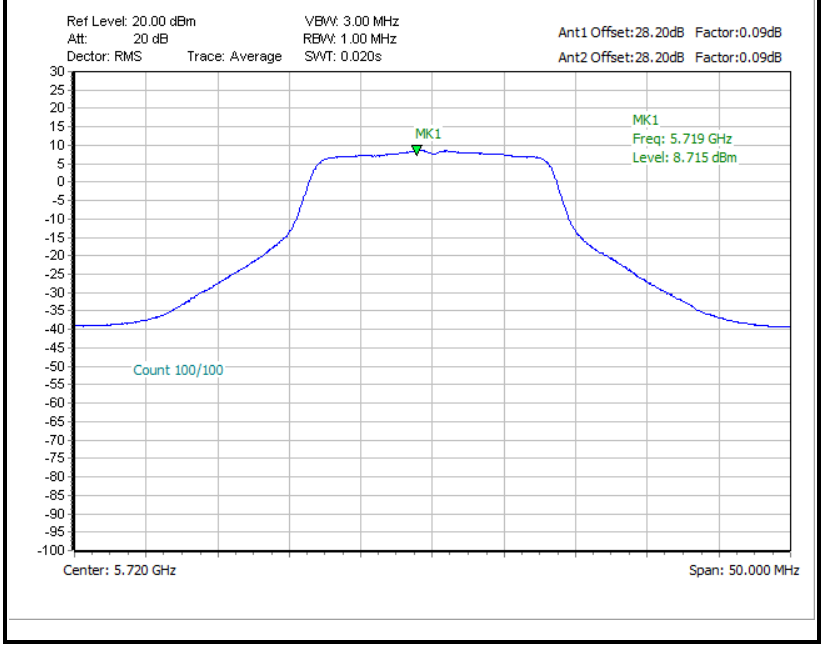
Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.07	0.09	4.98	4.95		11.00	11.00	3.40	3.90	Pass
11a	6Mbps	1	44	5220	0.07	0.09	5.28	5.18		11.00	11.00	3.40	3.90	Pass
11a	6Mbps	1	48	5240	0.07	0.09	5.21	5.13		11.00	11.00	3.40	3.90	Pass
VHT20	MCS0	1	36	5180	0.09	0.09	4.56	4.50		11.00	11.00	3.40	3.90	Pass
VHT20	MCS0	1	44	5220	0.09	0.09	4.84	4.73		11.00	11.00	3.40	3.90	Pass
VHT20	MCS0	1	48	5240	0.09	0.09	5.18	4.71		11.00	11.00	3.40	3.90	Pass
VHT40	MCS0	1	38	5190	0.16	0.20	1.86	2.12		11.00	11.00	3.40	3.90	Pass
VHT40	MCS0	1	46	5230	0.16	0.20	2.02	2.30		11.00	11.00	3.40	3.90	Pass
VHT80	MCS0	1	42	5210	0.33	0.36	-0.90	-1.02		11.00	11.00	3.40	3.90	Pass
11a	6Mbps	2	36	5180	0.09	0.09			7.91	10.34		6.66		Pass
11a	6Mbps	2	44	5220	0.09	0.09			7.61	10.34		6.66		Pass
11a	6Mbps	2	48	5240	0.09	0.09			**8.01**	10.34		6.66		Pass
VHT20	MCS0	2	36	5180	0.10	0.10			7.63	10.34		6.66		Pass
VHT20	MCS0	2	44	5220	0.10	0.10			7.81	10.34		6.66		Pass
VHT20	MCS0	2	48	5240	0.10	0.10			7.64	10.34		6.66		Pass
VHT40	MCS0	2	38	5190	0.18	0.18			4.45	10.34		6.66		Pass
VHT40	MCS0	2	46	5230	0.18	0.18			4.70	10.34		6.66		Pass
VHT80	MCS0	2	42	5210	0.36	0.37			0.84	10.34		6.66		Pass

Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (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	0.07	0.09	5.40	5.38		11.00	11.00	3.30	3.70	Pass
11a	6Mbps	1	60	5300	0.07	0.09	5.55	5.32		11.00	11.00	3.30	3.70	Pass
11a	6Mbps	1	64	5320	0.07	0.09	5.82	5.76		11.00	11.00	3.30	3.70	Pass
VHT20	MCS0	1	52	5260	0.09	0.09	5.49	4.93		11.00	11.00	3.30	3.70	Pass
VHT20	MCS0	1	60	5300	0.09	0.09	5.16	5.44		11.00	11.00	3.30	3.70	Pass
VHT20	MCS0	1	64	5320	0.09	0.09	5.43	5.35		11.00	11.00	3.30	3.70	Pass
VHT40	MCS0	1	54	5270	0.16	0.20	2.68	2.03		11.00	11.00	3.30	3.70	Pass
VHT40	MCS0	1	62	5310	0.16	0.20	2.46	1.73		11.00	11.00	3.30	3.70	Pass
VHT80	MCS0	1	58	5290	0.33	0.36	-0.54	-2.96		11.00	11.00	3.30	3.70	Pass
11a	6Mbps	2	52	5260	0.09	0.09			8.34	10.49		6.51		Pass
11a	6Mbps	2	60	5300	0.09	0.09			8.47	10.49		6.51		Pass
11a	6Mbps	2	64	5320	0.09	0.09			8.42	10.49		6.51		Pass
VHT20	MCS0	2	52	5260	0.10	0.10			7.95	10.49		6.51		Pass
VHT20	MCS0	2	60	5300	0.10	0.10			8.27	10.49		6.51		Pass
VHT20	MCS0	2	64	5320	0.10	0.10			**8.61**	10.49		6.51		Pass
VHT40	MCS0	2	54	5270	0.18	0.18			5.01	10.49		6.51		Pass
VHT40	MCS0	2	62	5310	0.18	0.18			3.78	10.49		6.51		Pass
VHT80	MCS0	2	58	5290	0.36	0.37			-1.38	10.49		6.51		Pass

Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (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	0.07	0.09	4.35	4.31		11.00	11.00	3.30	4.10	Pass
11a	6Mbps	1	116	5580	0.07	0.09	4.46	4.64		11.00	11.00	3.30	4.10	Pass
11a	6Mbps	1	140	5700	0.07	0.09	4.44	4.59		11.00	11.00	3.30	4.10	Pass
VHT20	MCS0	1	100	5500	0.09	0.09	4.47	4.35		11.00	11.00	3.30	4.10	Pass
VHT20	MCS0	1	116	5580	0.09	0.09	4.57	4.19		11.00	11.00	3.30	4.10	Pass
VHT20	MCS0	1	140	5700	0.09	0.09	3.99	4.23		11.00	11.00	3.30	4.10	Pass
VHT40	MCS8	1	102	5510	1.16	0.20	2.44	1.34		11.00	11.00	3.30	4.10	Pass
VHT40	MCS8	1	110	5550	1.16	0.20	2.65	1.11		11.00	11.00	3.30	4.10	Pass
VHT40	MCS8	1	134	5670	1.16	0.20	2.26	1.06		11.00	11.00	3.30	4.10	Pass
VHT80	MCS0	1	106	5530	0.33	0.36	-1.31	-1.49		11.00	11.00	3.30	4.10	Pass
VHT80	MCS0	1	122	5610	0.33	0.36	-1.27	-1.92		11.00	11.00	3.30	4.10	Pass
11a	6Mbps	2	100	5500	0.09	0.09			8.44	10.28		6.72		Pass
11a	6Mbps	2	116	5580	0.09	0.09			8.23	10.28		6.72		Pass
11a	6Mbps	2	140	5700	0.09	0.09			8.33	10.28		6.72		Pass
VHT20	MCS0	2	100	5500	0.10	0.10			8.18	10.28		6.72		Pass
VHT20	MCS0	2	116	5580	0.10	0.10			7.72	10.28		6.72		Pass
VHT20	MCS0	2	140	5700	0.10	0.10			7.85	10.28		6.72		Pass
VHT40	MCS0	2	102	5510	0.18	0.18			4.97	10.28		6.72		Pass
VHT40	MCS0	2	110	5550	0.18	0.18			5.46	10.28		6.72		Pass
VHT40	MCS0	2	134	5670	0.18	0.18			4.99	10.28		6.72		Pass
VHT80	MCS0	2	106	5530	0.36	0.37			2.25	10.28		6.72		Pass
VHT80	MCS0	2	122	5610	0.36	0.37			2.47	10.28		6.72		Pass

Band III straddle channel														
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	144	5720	0.07	0.09	4.65	**4.93**		11.00	11.00	3.30	4.10	Pass
VHT20	MCS0	1	144	5720	0.09	0.09	4.26	4.16		11.00	11.00	3.30	4.10	Pass
VHT40	MCS8	1	142	5710	1.16	0.20	2.52	1.28		11.00	11.00	3.30	4.10	Pass
VHT80	MCS0	1	138	5690	0.33	0.36	-1.22	-1.82		11.00	11.00	3.30	4.10	Pass
11a	6Mbps	2	144	5720	0.09	0.09			**8.72**	10.28		6.72		Pass
VHT20	MCS0	2	144	5720	0.10	0.10			8.35	10.28		6.72		Pass
VHT40	MCS0	2	142	5710	0.18	0.18			5.08	10.28		6.72		Pass
VHT80	MCS0	2	138	5690	0.36	0.37			2.67	10.28		6.72		Pass

Worst Case Power Density (dBm/MHz)



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

<TXBF Mode>

Test Engineer :	Shiming Liu	Temperature :	23.9~24.5℃
		Relative Humidity :	53~54%

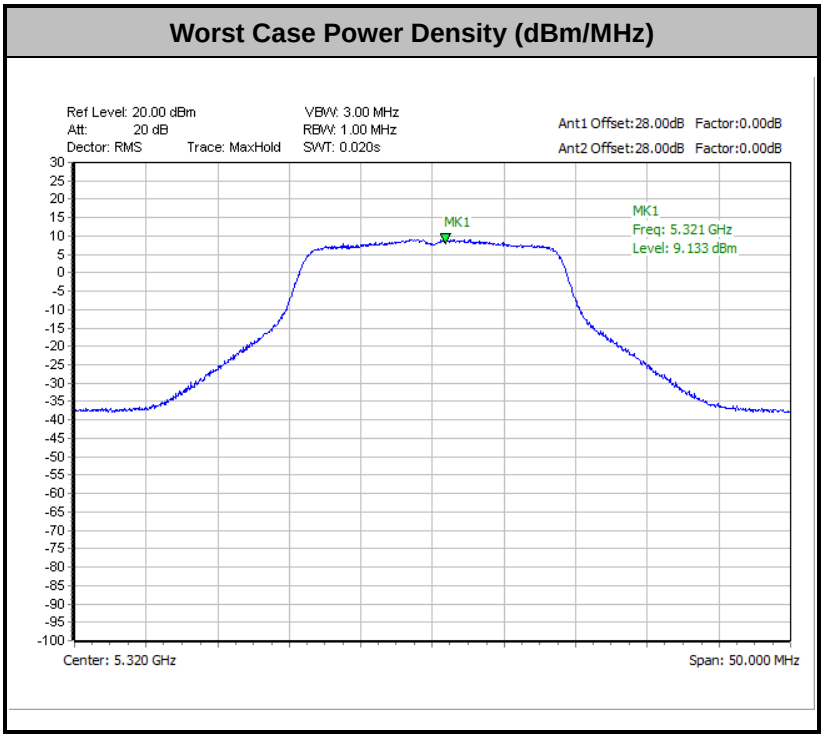
Band I												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	36	5180			8.33	10.34		6.66		Pass
VHT20	MCS0	2	44	5220			**8.77**	10.34		6.66		Pass
VHT20	MCS0	2	48	5240			8.47	10.34		6.66		Pass
VHT40	MCS0	2	38	5190			4.68	10.34		6.66		Pass
VHT40	MCS0	2	46	5230			5.06	10.34		6.66		Pass
VHT80	MCS0	2	42	5210			1.33	10.34		6.66		Pass

Band II												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	52	5260			8.65	10.49		6.51		Pass
VHT20	MCS0	2	60	5300			9.03	10.49		6.51		Pass
VHT20	MCS0	2	64	5320			**9.13**	10.49		6.51		Pass
VHT40	MCS0	2	54	5270			5.49	10.49		6.51		Pass
VHT40	MCS0	2	62	5310			4.71	10.49		6.51		Pass
VHT80	MCS0	2	58	5290			-0.78	10.49		6.51		Pass

Band III												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	100	5500			**8.74**	10.28		6.72		Pass
VHT20	MCS0	2	116	5580			8.61	10.28		6.72		Pass
VHT20	MCS0	2	140	5700			8.63	10.28		6.72		Pass
VHT40	MCS0	2	102	5510			5.38	10.28		6.72		Pass
VHT40	MCS0	2	110	5550			5.66	10.28		6.72		Pass
VHT40	MCS0	2	134	5670			5.36	10.28		6.72		Pass
VHT80	MCS0	2	106	5530			1.59	10.28		6.72		Pass
VHT80	MCS0	2	122	5610			2.95	10.28		6.72		Pass

Band III straddle channel												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	144	5720			8.64	10.28		6.72		Pass
VHT40	MCS0	2	142	5710			5.39	10.28		6.72		Pass
VHT80	MCS0	2	138	5690			3.09	10.28		6.72		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

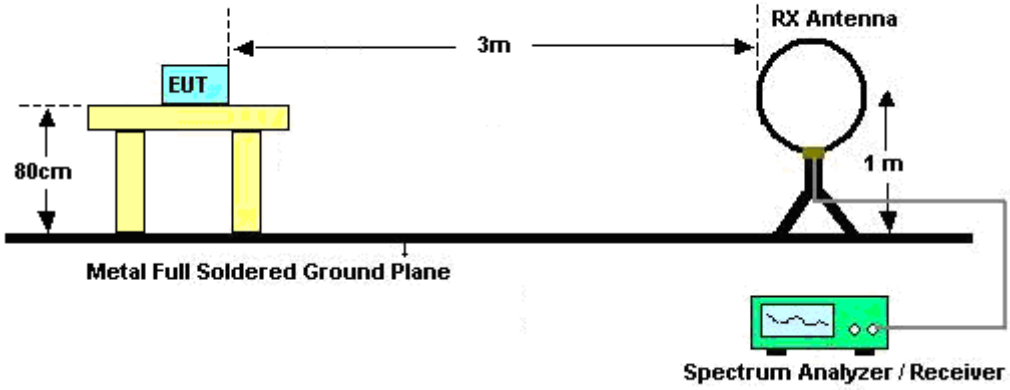
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

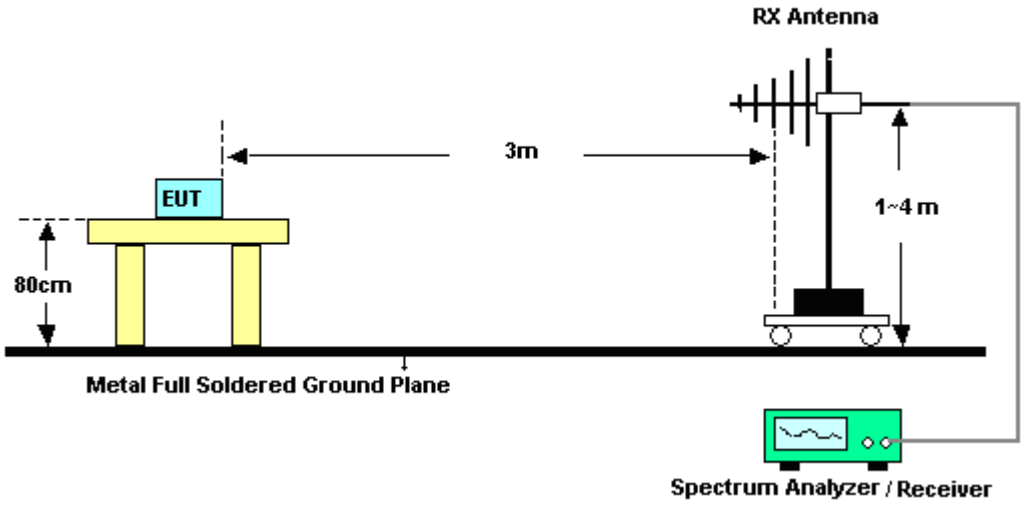
3.4.4 Test Setup

For radiated emissions below 30MHz

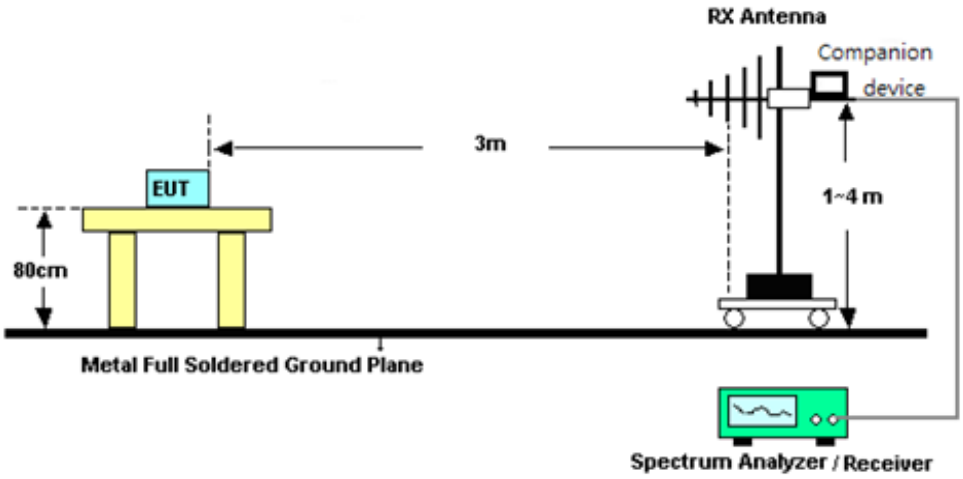


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

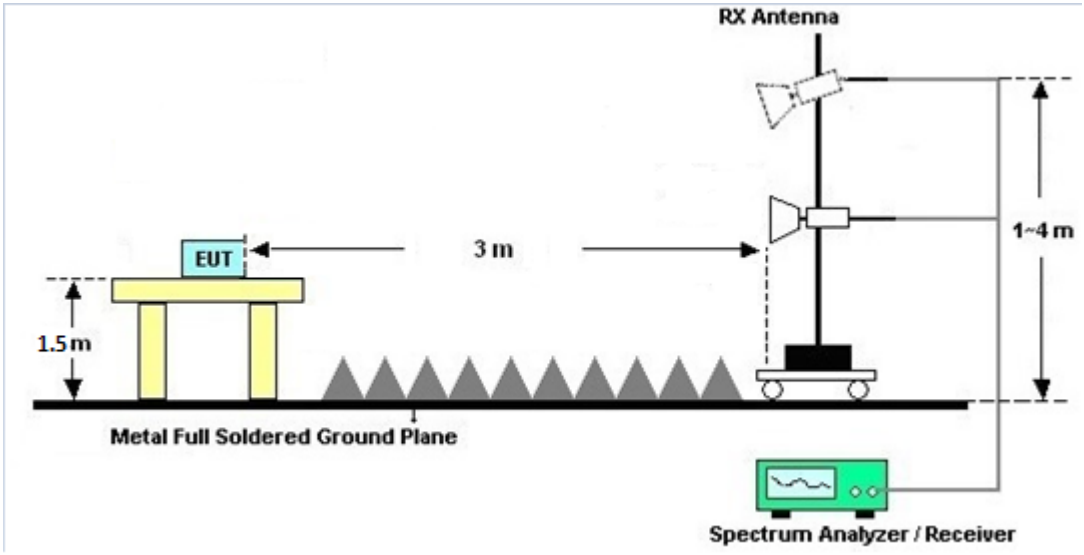


<TXBF Modes>

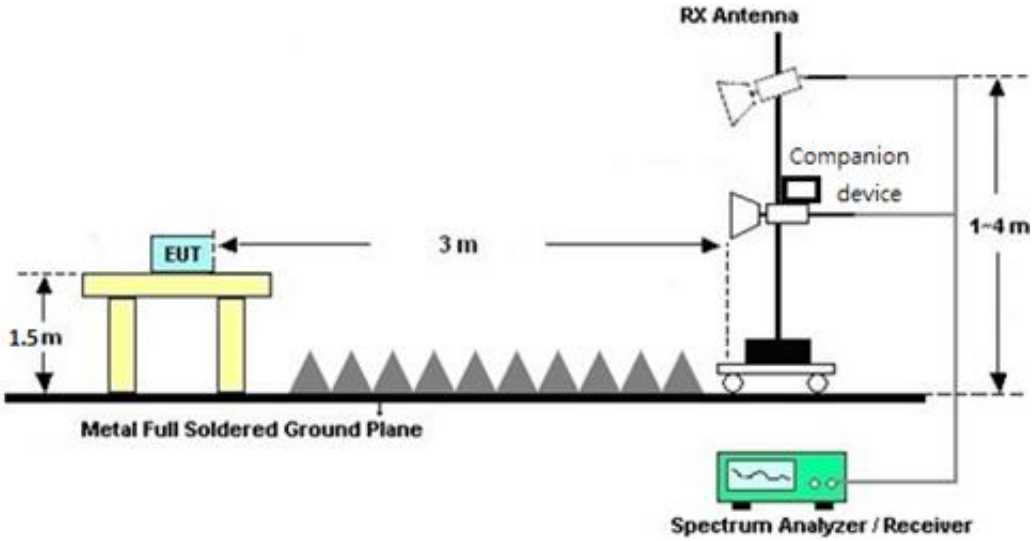


For radiated emissions above 1GHz

<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.

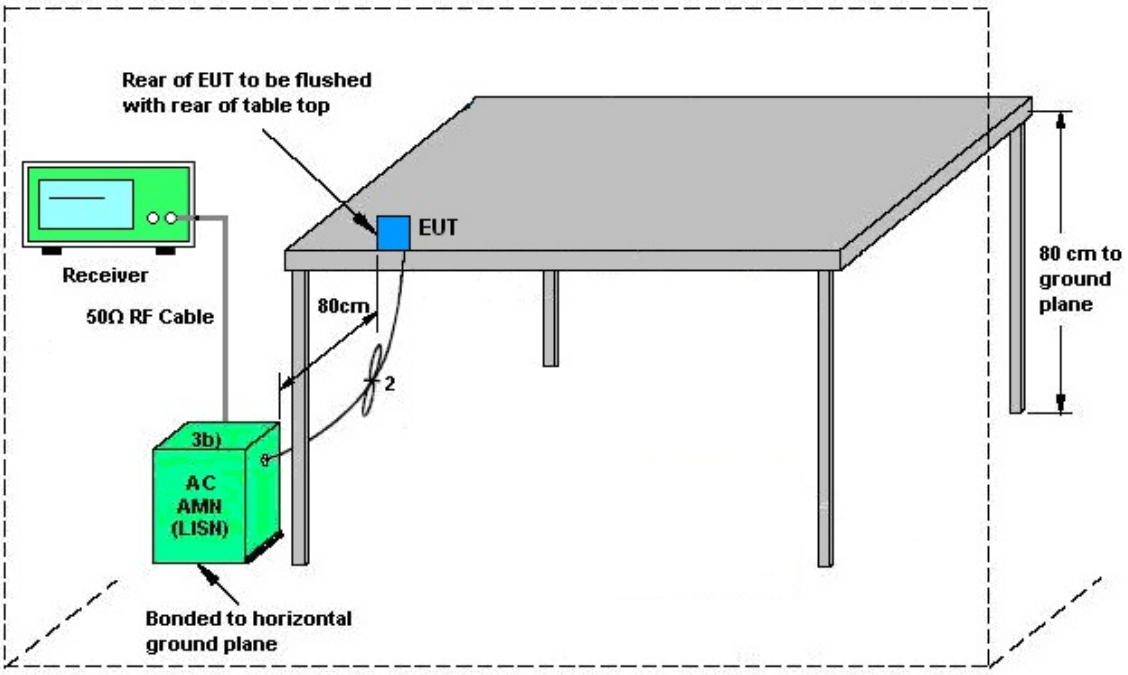
3.5.2 Measuring Instruments

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	3.40	3.90	3.90	6.66	0.00	0.66
Band II	3.30	3.70	3.70	6.51	0.00	0.51
Band III	3.30	4.10	4.10	6.72	0.00	0.72

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	3.40	3.90	6.66	6.66	0.66	0.66
Band II	3.30	3.70	6.51	6.51	0.51	0.51
Band III	3.30	4.10	6.72	6.72	0.72	0.72

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

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

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 03, 2019	Jul. 24, 2020~ Sep. 03, 2020	Dec. 02, 2020	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 12, 2019	Jul. 24, 2020~ Sep. 03, 2020	Oct. 11, 2020	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Nov. 04, 2019	Jul. 24, 2020~ Sep. 03, 2020	Nov. 03, 2020	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Jul. 24, 2020~ Sep. 03, 2020	Jul. 13, 2021	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 13, 2019	Jul. 24, 2020~ Sep. 03, 2020	Nov. 12, 2020	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHz	Oct. 28, 2019	Jul. 24, 2020~ Sep. 03, 2020	Oct. 27, 2020	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 24, 2020~ Sep. 03, 2020	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jul. 24, 2020~ Sep. 03, 2020	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jul. 24, 2020~ Sep. 03, 2020	N/A	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055007	1GHz~18GHz	Mar. 31, 2020	Jul. 24, 2020~ Sep. 03, 2020	Mar. 30, 2021	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz- 40GHz	May 22, 2020	Jul. 24, 2020~ Sep. 03, 2020	May 21, 2021	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 28, 2019	Jul. 24, 2020~ Sep. 03, 2020	Oct. 27, 2020	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Jul. 24, 2020~ Sep. 03, 2020	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz-30MHz	Mar. 12, 2020	Jul. 24, 2020~ Sep. 03, 2020	Mar. 11, 2021	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 12, 2020	Jul. 24, 2020~ Sep. 03, 2020	Mar. 11, 2021	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30M-18G	Mar. 12, 2020	Jul. 24, 2020~ Sep. 03, 2020	Mar. 11, 2021	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 12, 2020	Jul. 24, 2020~ Sep. 03, 2020	Mar. 11, 2021	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53G Low Pass	Sep. 15, 2019	Jul. 24, 2020~ Sep. 03, 2020	Sep. 14, 2020	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN3	6.75GHz High Pass Filter	Sep. 16, 2019	Jul. 24, 2020~ Sep. 03, 2020	Sep. 15, 2020	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTN-303B	TP140325	N/A	Nov. 07, 2019	Jul. 24, 2020~ Sep. 03, 2020	Nov. 06, 2020	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTN-303B	TP161237	N/A	Oct. 25, 2019	Jul. 24, 2020~ Sep. 03, 2020	Oct. 24, 2020	Radiation (03CH11-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 27, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Jul. 27, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Jul. 27, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Jul. 27, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 27, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Jul. 27, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Jul. 27, 2020	Jan. 01, 2021	Conduction (CO05-HY)
<CDD Mode>								
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Jul. 16, 2020~ Aug. 19, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 23, 2019	Jul. 16, 2020~ Aug. 19, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Dec. 30, 2019	Jul. 16, 2020~ Aug. 19, 2020	Dec. 29, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Aug. 22, 2019	Jul. 16, 2020~ Aug. 19, 2020	Aug. 21, 2020	Conducted (TH05-HY)
<TXBF Mode>								
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Aug. 21, 2020~ Aug. 31, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 23, 2019	Aug. 21, 2020~ Aug. 31, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 15, 2019	Aug. 21, 2020~ Aug. 31, 2020	Nov. 14, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Aug. 21, 2020~ Aug. 31, 2020	Mar. 16, 2021	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))	**2.3**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.4**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1**

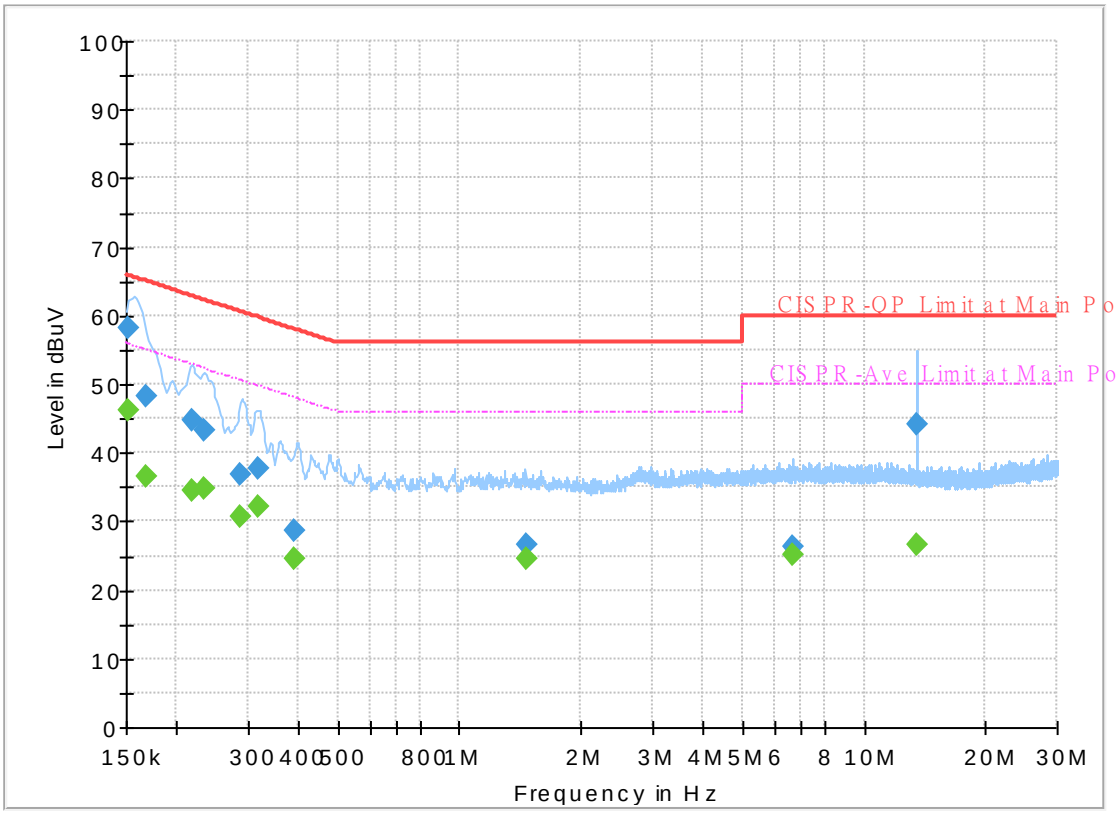
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~25℃
		Relative Humidity :	42~50%

EUT Information

Report NO :	070601
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



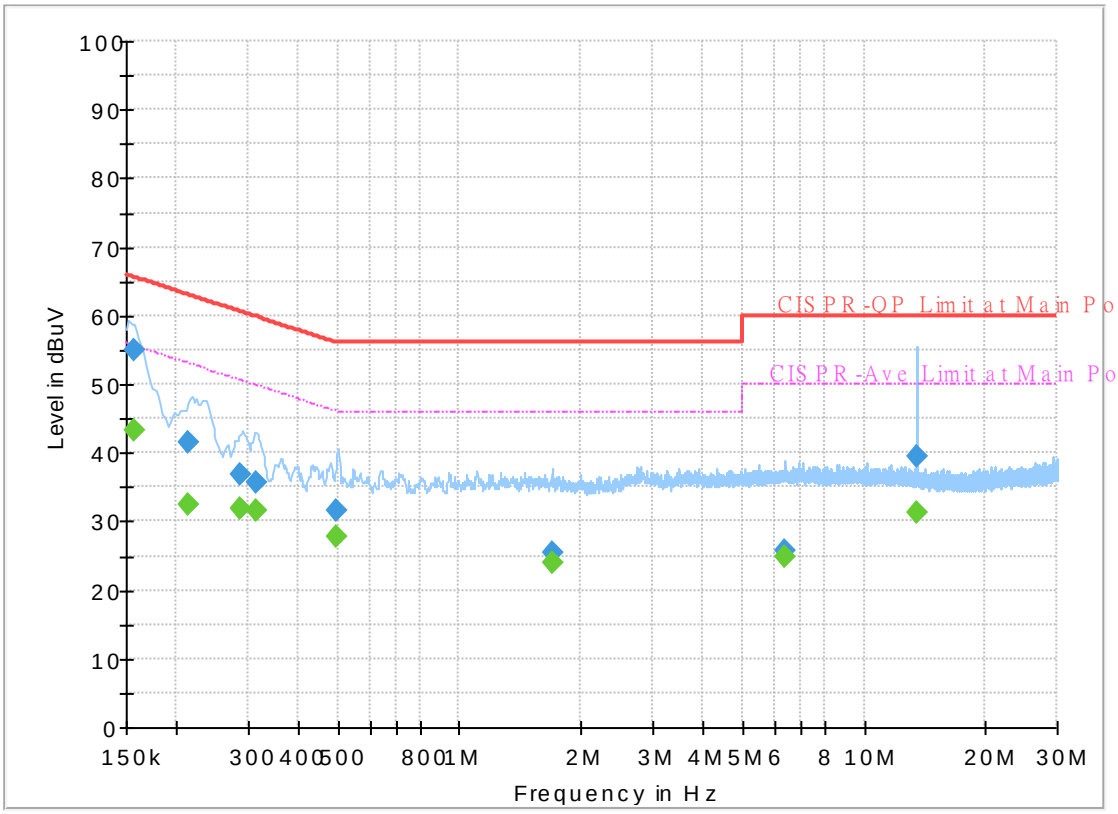
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	46.28	55.88	9.60	L1	OFF	19.6
0.152250	58.18	---	65.88	7.70	L1	OFF	19.6
0.168000	---	36.65	55.06	18.41	L1	OFF	19.6
0.168000	48.20	---	65.06	16.86	L1	OFF	19.6
0.217950	---	34.60	52.90	18.30	L1	OFF	19.6
0.217950	44.87	---	62.90	18.03	L1	OFF	19.6
0.233340	---	34.87	52.33	17.46	L1	OFF	19.6
0.233340	43.27	---	62.33	19.06	L1	OFF	19.6
0.286440	---	30.61	50.63	20.02	L1	OFF	19.6
0.286440	36.81	---	60.63	23.82	L1	OFF	19.6
0.316500	---	32.13	49.80	17.67	L1	OFF	19.6
0.316500	37.75	---	59.80	22.05	L1	OFF	19.6
0.390750	---	24.54	48.05	23.51	L1	OFF	19.6
0.390750	28.69	---	58.05	29.36	L1	OFF	19.6
1.457250	---	24.68	46.00	21.32	L1	OFF	19.6
1.457250	26.69	---	56.00	29.31	L1	OFF	19.6
6.643500	---	25.14	50.00	24.86	L1	OFF	19.9
6.643500	26.33	---	60.00	33.67	L1	OFF	19.9
13.560000	---	26.73	50.00	23.27	L1	OFF	20.2
13.560000	44.23	---	60.00	15.77	L1	OFF	20.2

EUT Information

Report NO :	070601
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	43.41	55.63	12.22	N	OFF	19.5
0.156750	54.83	---	65.63	10.80	N	OFF	19.5
0.213360	---	32.33	53.07	20.74	N	OFF	19.5
0.213360	41.48	---	63.07	21.59	N	OFF	19.5
0.287430	---	31.77	50.60	18.83	N	OFF	19.5
0.287430	36.70	---	60.60	23.90	N	OFF	19.5
0.315960	---	31.61	49.81	18.20	N	OFF	19.5
0.315960	35.56	---	59.81	24.25	N	OFF	19.5
0.498750	---	27.74	46.02	18.28	N	OFF	19.5
0.498750	31.49	---	56.02	24.53	N	OFF	19.5
1.698000	---	23.92	46.00	22.08	N	OFF	19.6
1.698000	25.56	---	56.00	30.44	N	OFF	19.6
6.348120	---	24.91	50.00	25.09	N	OFF	19.7
6.348120	25.83	---	60.00	34.17	N	OFF	19.7
13.560000	---	31.19	50.00	18.81	N	OFF	19.9
13.560000	39.44	---	60.00	20.56	N	OFF	19.9

Appendix B. Radiated Spurious Emission

Test Engineer :	Wayne Lee, Fu Chen and Troye Hsieh	Temperature :	19.1~28.9°C
		Relative Humidity :	43.2~69.4%

<CDD Mode>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5138.58	58.29	-15.71	74	49.36	31.8	9.95	32.82	100	300	P	H
		5150	49.1	-4.9	54	40.14	31.8	9.97	32.81	100	300	A	H
	*	5180	114.85	-	-	106.01	31.62	10.01	32.79	100	300	P	H
	*	5180	106.71	-	-	97.87	31.62	10.01	32.79	100	300	A	H
													H
													H
		5146.12	50.42	-23.58	74	41.48	31.8	9.96	32.82	400	171	P	V
		5150	42.65	-11.35	54	33.69	31.8	9.97	32.81	400	171	A	V
	*	5180	108.64	-	-	99.8	31.62	10.01	32.79	400	171	P	V
	*	5180	100.55	-	-	91.71	31.62	10.01	32.79	400	171	A	V
													V
													V
802.11a CH 44 5220MHz		5143.52	52.21	-21.79	74	43.27	31.8	9.96	32.82	100	299	P	H
		5149.76	43.08	-10.92	54	34.12	31.8	9.97	32.81	100	299	A	H
	*	5220	111.38	-	-	102.63	31.46	10.06	32.77	100	299	P	H
	*	5220	103.57	-	-	94.82	31.46	10.06	32.77	100	299	A	H
		5383.44	49.89	-24.11	74	40.87	31.5	10.18	32.66	100	299	P	H
		5452.8	41.27	-12.73	54	31.95	31.71	10.23	32.62	100	299	A	H
		5104.78	50.54	-23.46	74	41.68	31.8	9.9	32.84	400	170	P	V
		5100.88	40.43	-13.57	54	31.58	31.8	9.9	32.85	400	170	A	V
	*	5220	105.52	-	-	96.77	31.46	10.06	32.77	400	170	P	V
	*	5220	97.41	-	-	88.66	31.46	10.06	32.77	400	170	A	V
		5422.32	50.09	-23.91	74	40.88	31.64	10.21	32.64	400	170	P	V
		5452.56	39.66	-14.34	54	30.34	31.71	10.23	32.62	400	170	A	V

802.11a CH 48 5240MHz		5048.36	51.54	-22.46	74	43.11	31.49	9.82	32.88	100	299	P	H
		5144.04	42.36	-11.64	54	33.42	31.8	9.96	32.82	100	299	A	H
	*	5240	111.29	-	-	102.56	31.42	10.07	32.76	100	299	P	H
	*	5240	103.01	-	-	94.28	31.42	10.07	32.76	100	299	A	H
		5454.34	50.23	-23.77	74	40.9	31.72	10.23	32.62	100	299	P	H
		5459.74	41.03	-12.97	54	31.68	31.74	10.23	32.62	100	299	A	H
		5136.76	49.25	-24.75	74	40.32	31.8	9.95	32.82	400	171	P	V
		5072.54	41.17	-12.83	54	32.53	31.64	9.86	32.86	400	171	A	V
	*	5240	105.32	-	-	96.59	31.42	10.07	32.76	400	171	P	V
	*	5240	96.8	-	-	88.07	31.42	10.07	32.76	400	171	A	V
		5460.01	48.82	-25.18	74	39.46	31.74	10.24	32.62	400	171	P	V
		5454.34	40.16	-13.84	54	30.83	31.72	10.23	32.62	400	171	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	45.42	-22.78	68.2	48.57	39.8	17.44	60.39	100	0	P	H
		15540	46.74	-27.26	74	48.55	37.84	21.62	61.27	100	0	P	H
													H
													H
		10360	46.76	-21.44	68.2	49.91	39.8	17.44	60.39	100	0	P	V
		15540	46.07	-27.93	74	47.88	37.84	21.62	61.27	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.2	-22	68.2	49.38	39.96	17.44	60.58	100	0	P	H
		15660	47.53	-26.47	74	49.52	37.42	21.6	61.01	100	0	P	H
													H
													H
		10440	45.81	-22.39	68.2	48.99	39.96	17.44	60.58	100	0	P	V
		15660	46.41	-27.59	74	48.4	37.42	21.6	61.01	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	45.8	-22.4	68.2	49.12	39.92	17.44	60.68	100	0	P	H
		15720	46.41	-27.59	74	48.44	37.28	21.57	60.88	100	0	P	H
													H
													H
		10480	45.19	-23.01	68.2	48.51	39.92	17.44	60.68	100	0	P	V
		15720	46.75	-27.25	74	48.78	37.28	21.57	60.88	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)
		5148.98	57.33	-16.67	74	48.37	31.8	9.97	32.81	100	92	P	H
		5150	48.4	-5.6	54	39.44	31.8	9.97	32.81	100	92	A	H
	*	5180	111.03	-	-	102.19	31.62	10.01	32.79	100	92	P	H
	*	5180	102.4	-	-	93.56	31.62	10.01	32.79	100	92	A	H
802.11ac													H
VHT20													H
CH 36		5147.94	55.7	-18.3	74	46.76	31.8	9.96	32.82	400	11	P	V
5180MHz		5150	46.72	-7.28	54	37.76	31.8	9.97	32.81	400	11	A	V
	*	5180	108.13	-	-	99.29	31.62	10.01	32.79	400	11	P	V
	*	5180	99.49	-	-	90.65	31.62	10.01	32.79	400	11	A	V
													V
													V
		5117.52	50.48	-23.52	74	41.59	31.8	9.92	32.83	100	295	P	H
		5148.46	43.62	-10.38	54	34.66	31.8	9.97	32.81	100	295	A	H
	*	5220	110.55	-	-	101.8	31.46	10.06	32.77	100	295	P	H
	*	5220	103.13	-	-	94.38	31.46	10.06	32.77	100	295	A	H
802.11ac		5454.88	49.49	-24.51	74	40.16	31.72	10.23	32.62	100	295	P	H
VHT20		5452.99	41.55	-12.45	54	32.23	31.71	10.23	32.62	100	295	A	H
CH 44		5040.04	49.38	-24.62	74	40.99	31.46	9.81	32.88	400	173	P	V
5220MHz		5110.5	41.46	-12.54	54	32.59	31.8	9.91	32.84	400	173	A	V
	*	5220	105.01	-	-	96.26	31.46	10.06	32.77	400	173	P	V
	*	5220	97.06	-	-	88.31	31.46	10.06	32.77	400	173	A	V
		5423.02	49.58	-24.42	74	40.36	31.65	10.21	32.64	400	173	P	V
		5453.26	40.51	-13.49	54	31.19	31.71	10.23	32.62	400	173	A	V

		5128.44	50.41	-23.59	74	41.5	31.8	9.94	32.83	100	300	P	H
		5145.86	41.99	-12.01	54	33.05	31.8	9.96	32.82	100	300	A	H
	*	5240	110.47	-	-	101.74	31.42	10.07	32.76	100	300	P	H
	*	5240	102.71	-	-	93.98	31.42	10.07	32.76	100	300	A	H
802.11ac		5372.8	49.12	-24.88	74	40.18	31.44	10.17	32.67	100	300	P	H
VHT20		5437.87	40.83	-13.17	54	31.56	31.68	10.22	32.63	100	300	A	H
CH 48		5109.98	50.81	-23.19	74	41.94	31.8	9.91	32.84	400	168	P	V
5240MHz		5105.82	41.18	-12.82	54	32.32	31.8	9.9	32.84	400	168	A	V
	*	5240	104.89	-	-	96.16	31.42	10.07	32.76	400	168	P	V
	*	5240	97.27	-	-	88.54	31.42	10.07	32.76	400	168	A	V
		5381.98	48.29	-25.71	74	39.29	31.49	10.18	32.67	400	168	P	V
		5459.47	40.24	-13.76	54	30.89	31.74	10.23	32.62	400	168	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	47.13	-21.07	68.2	50.28	39.8	17.44	60.39	100	0	P	H
		15540	46.39	-27.61	74	48.2	37.84	21.62	61.27	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	45.12	-23.08	68.2	48.27	39.8	17.44	60.39	100	0	P	V
5180MHz		15540	45.89	-28.11	74	47.7	37.84	21.62	61.27	100	0	P	V
													V
													V
		10440	45.39	-22.81	68.2	48.57	39.96	17.44	60.58	100	0	P	H
		15660	46.09	-27.91	74	48.08	37.42	21.6	61.01	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	44.93	-23.27	68.2	48.11	39.96	17.44	60.58	100	0	P	V
5220MHz		15660	46.06	-27.94	74	48.05	37.42	21.6	61.01	100	0	P	V
													V
													V
		10480	45.17	-23.03	68.2	48.49	39.92	17.44	60.68	100	0	P	H
		15720	45.13	-28.87	74	47.16	37.28	21.57	60.88	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	44.38	-23.82	68.2	47.7	39.92	17.44	60.68	100	0	P	V
5240MHz		15720	46.23	-27.77	74	48.26	37.28	21.57	60.88	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)
		5147.16	56.86	-17.14	74	47.92	31.8	9.96	32.82	100	299	P	H
		5149.5	50.43	-3.57	54	41.47	31.8	9.97	32.81	100	299	A	H
	*	5190	108.39	-	-	99.59	31.56	10.03	32.79	100	299	P	H
	*	5190	101.24	-	-	92.44	31.56	10.03	32.79	100	299	A	H
802.11ac		5413.52	53.01	-20.99	74	43.83	31.63	10.2	32.65	100	299	P	H
VHT40		5412.4	47.75	-6.25	54	38.58	31.62	10.2	32.65	100	299	A	H
CH 38		5135.72	50.81	-23.19	74	41.88	31.8	9.95	32.82	385	167	P	V
5190MHz		5147.16	43.97	-10.03	54	35.03	31.8	9.96	32.82	385	167	A	V
	*	5190	101.12	-	-	92.32	31.56	10.03	32.79	385	167	P	V
		5447.12	49.07	-24.93	74	39.77	31.69	10.23	32.62	385	167	P	V
		5412.4	42.02	-11.98	54	32.85	31.62	10.2	32.65	385	167	A	V
													V
		5115.18	52.12	-21.88	74	43.24	31.8	9.92	32.84	100	297	P	H
		5150	44.73	-9.27	54	35.77	31.8	9.97	32.81	100	297	A	H
	*	5230	108.58	-	-	99.84	31.44	10.06	32.76	100	297	P	H
	*	5230	100.5	-	-	91.76	31.44	10.06	32.76	100	297	A	H
802.11ac		5452.44	54.98	-19.02	74	45.66	31.71	10.23	32.62	100	297	P	H
VHT40		5452.16	48.34	-5.66	54	39.02	31.71	10.23	32.62	100	297	A	H
CH 46		5137.54	49.11	-24.89	74	40.18	31.8	9.95	32.82	400	170	P	V
5230MHz		5098.28	42.19	-11.81	54	33.36	31.79	9.89	32.85	400	170	A	V
	*	5230	103.65	-	-	94.91	31.44	10.06	32.76	400	170	P	V
	*	5230	95.87	-	-	87.13	31.44	10.06	32.76	400	170	A	V
		5452.44	50.54	-23.46	74	41.22	31.71	10.23	32.62	400	170	P	V
		5453	43.34	-10.66	54	34.02	31.71	10.23	32.62	400	170	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	45.37	-22.83	68.2	48.46	39.9	17.44	60.43	100	0	P	H
		15570	46.14	-27.86	74	48	37.72	21.62	61.2	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	45.95	-22.25	68.2	49.04	39.9	17.44	60.43	100	0	P	V
5190MHz		15570	45.46	-28.54	74	47.32	37.72	21.62	61.2	100	0	P	V
													V
													V
		10460	43.99	-24.21	68.2	47.24	39.94	17.44	60.63	100	0	P	H
		15690	45.57	-28.43	74	47.6	37.33	21.59	60.95	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	45.4	-22.8	68.2	48.65	39.94	17.44	60.63	100	0	P	V
5230MHz		15690	45.44	-28.56	74	47.47	37.33	21.59	60.95	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
802.11ac VHT80 CH 42 5210MHz		5148.58	59.86	-14.14	74	50.9	31.8	9.97	32.81	100	301	P	H
		5144.16	51.47	-2.53	54	42.53	31.8	9.96	32.82	100	301	A	H
	*	5210	105.32	-	-	96.57	31.48	10.05	32.78	100	301	P	H
	*	5210	97.42	-	-	88.67	31.48	10.05	32.78	100	301	A	H
		5411.64	49.82	-24.18	74	40.65	31.62	10.2	32.65	100	301	P	H
		5459.74	41.61	-12.39	54	32.26	31.74	10.23	32.62	100	301	A	H
		5120.02	51.48	-22.52	74	42.59	31.8	9.92	32.83	377	172	P	V
		5148.92	44.93	-9.07	54	35.97	31.8	9.97	32.81	377	172	A	V
	*	5210	98.86	-	-	90.11	31.48	10.05	32.78	377	172	P	V
	*	5210	91.26	-	-	82.51	31.48	10.05	32.78	377	172	A	V
		5456.36	48.88	-25.12	74	39.54	31.73	10.23	32.62	377	172	P	V
		5436.08	40.6	-13.4	54	31.34	31.67	10.22	32.63	377	172	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	45.59	-22.61	68.2	48.7	39.98	17.44	60.53	100	0	P	H
		15630	46.39	-27.61	74	48.35	37.51	21.6	61.07	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	44.94	-23.26	68.2	48.05	39.98	17.44	60.53	100	0	P	V
5210MHz		15630	45.1	-28.9	74	47.06	37.51	21.6	61.07	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 802.11a (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		5119.34	49.7	-24.3	74	40.81	31.8	9.92	32.83	100	297	P	H
		5147.42	41.56	-12.44	54	32.62	31.8	9.96	32.82	100	297	A	H
	*	5260	110.93	-	-	102.18	31.4	10.09	32.74	100	297	P	H
	*	5260	102.87	-	-	94.12	31.4	10.09	32.74	100	297	A	H
		5400.07	49.61	-24.39	74	40.47	31.6	10.19	32.65	100	297	P	H
		5351.2	41.29	-12.71	54	32.52	31.31	10.15	32.69	100	297	A	H
		5113.88	49.82	-24.18	74	40.94	31.8	9.92	32.84	400	169	P	V
		5071.76	41.1	-12.9	54	32.48	31.63	9.85	32.86	400	169	A	V
	*	5260	104.76	-	-	96.01	31.4	10.09	32.74	400	169	P	V
	*	5260	96.73	-	-	87.98	31.4	10.09	32.74	400	169	A	V
		5382.79	48.56	-25.44	74	39.55	31.5	10.18	32.67	400	169	P	V
		5450.29	40.21	-13.79	54	30.9	31.7	10.23	32.62	400	169	A	V
802.11a CH 60 5300MHz		5105.04	49.94	-24.06	74	41.08	31.8	9.9	32.84	100	300	P	H
		5145.6	40.69	-13.31	54	31.75	31.8	9.96	32.82	100	300	A	H
	*	5300	111.31	-	-	102.52	31.4	10.11	32.72	100	300	P	H
	*	5300	103	-	-	94.21	31.4	10.11	32.72	100	300	A	H
		5355.12	53.63	-20.37	74	44.82	31.33	10.16	32.68	100	300	P	H
		5350.08	43.83	-10.17	54	35.07	31.3	10.15	32.69	100	300	A	H
		5024.48	49.35	-24.65	74	41.05	31.4	9.79	32.89	300	142	P	V
		5124.1	41.02	-12.98	54	32.12	31.8	9.93	32.83	300	142	A	V
	*	5300	103.32	-	-	94.53	31.4	10.11	32.72	300	142	P	V
	*	5300	95.68	-	-	86.89	31.4	10.11	32.72	300	142	A	V
		5450.64	49.34	-24.66	74	40.03	31.7	10.23	32.62	300	142	P	V
		5459.28	40.22	-13.78	54	30.87	31.74	10.23	32.62	300	142	A	V

802.11a CH 64 5320MHz	*	5320	113.7	-	-	104.92	31.36	10.13	32.71	100	240	P	H
	*	5320	106.36	-	-	97.58	31.36	10.13	32.71	100	240	A	H
		5350.08	60.57	-13.43	74	51.81	31.3	10.15	32.69	100	240	P	H
		5350.08	51.98	-2.02	54	43.22	31.3	10.15	32.69	100	240	A	H
													H
													H
	*	5320	107.14	-	-	98.36	31.36	10.13	32.71	397	9	P	V
	*	5320	99.22	-	-	90.44	31.36	10.13	32.71	397	9	A	V
		5350.56	51.31	-22.69	74	42.55	31.3	10.15	32.69	397	9	P	V
		5350.08	44.39	-9.61	54	35.63	31.3	10.15	32.69	397	9	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	45.53	-22.67	68.2	48.92	39.9	17.46	60.75	100	0	P	H
		15780	45.01	-28.99	74	46.99	37.22	21.56	60.76	100	0	P	H
													H
													H
		10520	44.06	-24.14	68.2	47.45	39.9	17.46	60.75	100	0	P	V
		15780	44.89	-29.11	74	46.87	37.22	21.56	60.76	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	45.68	-28.32	74	49.14	39.9	17.46	60.82	100	0	P	H
		15900	45.35	-28.65	74	47.42	36.9	21.53	60.5	100	0	P	H
													H
													H
		10600	45.34	-28.66	74	48.8	39.9	17.46	60.82	100	0	P	V
		15900	44.65	-29.35	74	46.72	36.9	21.53	60.5	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	43.44	-30.56	74	47.01	39.82	17.46	60.85	100	0	P	H
		15960	44.71	-29.29	74	46.79	36.78	21.51	60.37	100	0	P	H
													H
													H
		10640	43.84	-30.16	74	47.41	39.82	17.46	60.85	100	0	P	V
		15960	43.81	-30.19	74	45.89	36.78	21.51	60.37	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)
		5126.48	51.23	-22.77	74	42.33	31.8	9.93	32.83	100	298	P	H
		5136.68	41.87	-12.13	54	32.94	31.8	9.95	32.82	100	298	A	H
	*	5260	110.54	-	-	101.79	31.4	10.09	32.74	100	298	P	H
	*	5260	102.98	-	-	94.23	31.4	10.09	32.74	100	298	A	H
802.11ac		5373.84	51.07	-22.93	74	42.13	31.44	10.17	32.67	100	298	P	H
VHT20		5355.84	41.41	-12.59	54	32.59	31.34	10.16	32.68	100	298	A	H
CH 52		5131.58	50.06	-23.94	74	41.15	31.8	9.94	32.83	395	165	P	V
5260MHz		5126.14	41.34	-12.66	54	32.44	31.8	9.93	32.83	395	165	A	V
	*	5260	106.05	-	-	97.3	31.4	10.09	32.74	395	165	P	V
	*	5260	98.12	-	-	89.37	31.4	10.09	32.74	395	165	A	V
		5426.88	49.72	-24.28	74	40.5	31.65	10.21	32.64	395	165	P	V
		5460	40.35	-13.65	54	31	31.74	10.23	32.62	395	165	A	V
		5104.04	50.4	-23.6	74	41.54	31.8	9.9	32.84	100	240	P	H
		5079.22	41.41	-12.59	54	32.73	31.68	9.86	32.86	100	240	A	H
	*	5300	110.94	-	-	102.15	31.4	10.11	32.72	100	240	P	H
	*	5300	102.61	-	-	93.82	31.4	10.11	32.72	100	240	A	H
802.11ac		5351.76	53.57	-20.43	74	44.79	31.31	10.15	32.68	100	240	P	H
VHT20		5350.8	45.28	-8.72	54	36.52	31.3	10.15	32.69	100	240	A	H
CH 60		5128.52	49.56	-24.44	74	40.65	31.8	9.94	32.83	400	17	P	V
5300MHz		5099.62	41.23	-12.77	54	32.39	31.8	9.89	32.85	400	17	A	V
	*	5300	103.19	-	-	94.4	31.4	10.11	32.72	400	17	P	V
	*	5300	95.57	-	-	86.78	31.4	10.11	32.72	400	17	A	V
		5376.72	48.81	-25.19	74	39.85	31.46	10.17	32.67	400	17	P	V
		5452.8	40.28	-13.72	54	30.96	31.71	10.23	32.62	400	17	A	V

	*	5320	113.56	-	-	104.78	31.36	10.13	32.71	103	299	P	H
	*	5320	105.52	-	-	96.74	31.36	10.13	32.71	103	299	A	H
		5350.72	58.91	-15.09	74	50.15	31.3	10.15	32.69	103	299	P	H
		5350.08	51	-3	54	42.24	31.3	10.15	32.69	103	299	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	107.18	-	-	98.4	31.36	10.13	32.71	397	10	P	V
5320MHz	*	5320	99.17	-	-	90.39	31.36	10.13	32.71	397	10	A	V
		5351.52	52.63	-21.37	74	43.86	31.31	10.15	32.69	397	10	P	V
		5350.08	44.58	-9.42	54	35.82	31.3	10.15	32.69	397	10	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	49.35	-18.85	68.2	52.74	39.9	17.46	60.75	100	0	P	H
		15780	46.91	-27.09	74	48.89	37.22	21.56	60.76	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	47.45	-20.75	68.2	50.84	39.9	17.46	60.75	100	0	P	V
5260MHz		15780	47.73	-26.27	74	49.71	37.22	21.56	60.76	100	0	P	V
													V
													V
		10600	44.86	-29.14	74	48.32	39.9	17.46	60.82	100	0	P	H
		15900	45.5	-28.5	74	47.57	36.9	21.53	60.5	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	44.45	-29.55	74	47.91	39.9	17.46	60.82	100	0	P	V
5300MHz		15900	45.34	-28.66	74	47.41	36.9	21.53	60.5	100	0	P	V
													V
													V
		10640	48.1	-25.9	74	51.67	39.82	17.46	60.85	100	0	P	H
		15960	44.18	-29.82	74	46.26	36.78	21.51	60.37	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	47.12	-26.88	74	50.69	39.82	17.46	60.85	100	0	P	V
5320MHz		15960	44.68	-29.32	74	46.76	36.78	21.51	60.37	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)
		5147.22	51.07	-22.93	74	42.13	31.8	9.96	32.82	103	237	P	H
		5046.58	43.31	-10.69	54	34.88	31.49	9.82	32.88	103	237	A	H
	*	5270	109.3	-	-	100.55	31.4	10.09	32.74	103	237	P	H
	*	5270	100.81	-	-	92.06	31.4	10.09	32.74	103	237	A	H
802.11ac		5350.8	52.99	-21.01	74	44.23	31.3	10.15	32.69	103	237	P	H
VHT40		5351.76	45.27	-8.73	54	36.49	31.31	10.15	32.68	103	237	A	H
CH 54		5046.92	51.27	-22.73	74	42.84	31.49	9.82	32.88	397	168	P	V
5270MHz		5041.14	42.32	-11.68	54	33.93	31.46	9.81	32.88	397	168	A	V
	*	5270	103.38	-	-	94.63	31.4	10.09	32.74	397	168	P	V
	*	5270	95.04	-	-	86.29	31.4	10.09	32.74	397	168	A	V
		5350.56	50.14	-23.86	74	41.38	31.3	10.15	32.69	397	168	P	V
		5459.52	40.88	-13.12	54	31.53	31.74	10.23	32.62	397	168	A	V
		5086.02	51.66	-22.34	74	42.92	31.72	9.87	32.85	100	298	P	H
		5087.38	44.16	-9.84	54	35.41	31.72	9.88	32.85	100	298	A	H
	*	5310	108.69	-	-	99.9	31.38	10.12	32.71	100	298	P	H
	*	5310	100.24	-	-	91.45	31.38	10.12	32.71	100	298	A	H
802.11ac		5352.96	58.99	-15.01	74	50.2	31.32	10.15	32.68	100	298	P	H
VHT40		5350.08	50.68	-3.32	54	41.92	31.3	10.15	32.69	100	298	A	H
CH 62		5027.2	49.76	-24.24	74	41.45	31.41	9.79	32.89	370	154	P	V
5310MHz		5087.38	40.52	-13.48	54	31.77	31.72	9.88	32.85	370	154	A	V
	*	5310	102.13	-	-	93.34	31.38	10.12	32.71	370	154	P	V
	*	5310	93.76	-	-	84.97	31.38	10.12	32.71	370	154	A	V
		5350.8	52.08	-21.92	74	43.32	31.3	10.15	32.69	370	154	P	V
		5350.08	42.92	-11.08	54	34.16	31.3	10.15	32.69	370	154	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	47.4	-20.8	68.2	50.8	39.9	17.46	60.76	100	0	P	H
		15810	45.98	-28.02	74	47.95	37.17	21.55	60.69	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	47.14	-21.06	68.2	50.54	39.9	17.46	60.76	100	0	P	V
5270MHz		15810	45.85	-28.15	74	47.82	37.17	21.55	60.69	100	0	P	V
													V
													V
		10620	46.61	-27.39	74	50.12	39.86	17.46	60.83	100	0	P	H
		15930	47.18	-26.82	74	49.26	36.84	21.52	60.44	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	47.69	-26.31	74	51.2	39.86	17.46	60.83	100	0	P	V
5310MHz		15930	45.62	-28.38	74	47.7	36.84	21.52	60.44	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)
		5079.5	50.15	-23.85	74	41.46	31.68	9.87	32.86	100	301	P	H
		5145.5	42.42	-11.58	54	33.48	31.8	9.96	32.82	100	301	A	H
	*	5290	103.54	-	-	94.75	31.4	10.11	32.72	100	301	P	H
	*	5290	95.84	-	-	87.05	31.4	10.11	32.72	100	301	A	H
802.11ac		5351.28	59.36	-14.64	74	50.59	31.31	10.15	32.69	100	301	P	H
VHT80		5350.56	51	-3	54	42.24	31.3	10.15	32.69	100	301	A	H
CH 58		5103.8	50.28	-23.72	74	41.42	31.8	9.9	32.84	375	154	P	V
5290MHz		5056.4	41.78	-12.22	54	33.28	31.54	9.83	32.87	375	154	A	V
	*	5290	96.69	-	-	87.9	31.4	10.11	32.72	375	154	P	V
	*	5290	88.81	-	-	80.02	31.4	10.11	32.72	375	154	A	V
		5355.6	51.06	-22.94	74	42.25	31.33	10.16	32.68	375	154	P	V
		5358.48	43.32	-10.68	54	34.49	31.35	10.16	32.68	375	154	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	47.71	-20.49	68.2	51.15	39.9	17.46	60.8	100	0	P	H
		15870	45.64	-28.36	74	47.68	36.99	21.54	60.57	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	47.14	-21.06	68.2	50.58	39.9	17.46	60.8	100	0	P	V
5290MHz		15870	46.4	-27.6	74	48.44	36.99	21.54	60.57	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		5456.88	57.05	-16.95	74	47.71	31.73	10.23	32.62	100	242	P	H
		5470	62.82	-5.38	68.2	53.41	31.78	10.24	32.61	100	242	P	H
		5460	45.92	-8.08	54	36.57	31.74	10.23	32.62	100	242	A	H
	*	5500	113.81	-	-	104.24	31.9	10.26	32.59	100	242	P	H
	*	5500	105.9	-	-	96.33	31.9	10.26	32.59	100	242	A	H
													H
		5444.24	50.9	-23.1	74	41.62	31.69	10.22	32.63	380	315	P	V
		5469.04	51.93	-16.27	68.2	42.52	31.78	10.24	32.61	380	315	P	V
		5460.08	40.9	-109.1	150	31.54	31.74	10.24	32.62	380	315	A	V
	*	5500	107.73	-	-	98.16	31.9	10.26	32.59	380	315	P	V
	*	5500	100.27	-	-	90.7	31.9	10.26	32.59	380	315	A	V
													V
802.11a CH 116 5580MHz		5459.2	50.11	-23.89	74	40.76	31.74	10.23	32.62	100	241	P	H
		5468.56	49.33	-18.87	68.2	39.93	31.77	10.24	32.61	100	241	P	H
		5452.96	40.47	-13.53	54	31.15	31.71	10.23	32.62	100	241	A	H
	*	5580	108.69	-	-	99.08	31.86	10.32	32.57	100	241	P	H
	*	5580	101.11	-	-	91.5	31.86	10.32	32.57	100	241	A	H
		5747.675	51.07	-17.13	68.2	40.89	32.2	10.5	32.52	100	241	P	H
		5426.8	49.67	-24.33	74	40.45	31.65	10.21	32.64	397	347	P	V
		5461.12	49.28	-18.92	68.2	39.91	31.74	10.24	32.61	397	347	P	V
		5452.96	39.67	-14.33	54	30.35	31.71	10.23	32.62	397	347	A	V
	*	5580	103.33	-	-	93.72	31.86	10.32	32.57	397	347	P	V
	*	5580	95.2	-	-	85.59	31.86	10.32	32.57	397	347	A	V
		5753.975	51.35	-16.85	68.2	41.15	32.21	10.51	32.52	397	347	P	V

802.11a CH 140 5700MHz	*	5700	112.94	-	-	102.92	32.1	10.45	32.53	100	299	P	H
	*	5700	105.24	-	-	95.22	32.1	10.45	32.53	100	299	A	H
		5725.24	63.98	-4.22	68.2	53.88	32.15	10.48	32.53	100	299	P	H
													H
													H
													H
	*	5700	109.34	-	-	99.32	32.1	10.45	32.53	400	343	P	V
	*	5700	101.43	-	-	91.41	32.1	10.45	32.53	400	343	A	V
		5727.56	55.74	-12.46	68.2	45.63	32.16	10.48	32.53	400	343	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	48.83	-25.17	74	52.51	40	17.48	61.16	100	0	P	H
		16500	46.79	-21.41	68.2	45.45	38.4	22.01	59.07	100	0	P	H
													H
													H
		11000	48.45	-25.55	74	52.13	40	17.48	61.16	100	0	P	V
		16500	46.78	-21.42	68.2	45.44	38.4	22.01	59.07	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	47.25	-26.75	74	51.41	39.48	17.66	61.3	100	0	P	H
		16740	47.64	-20.56	68.2	45.23	39.38	22.26	59.23	100	0	P	H
													H
													H
		11160	47.66	-26.34	74	51.82	39.48	17.66	61.3	100	0	P	V
		16740	48.23	-19.97	68.2	45.82	39.38	22.26	59.23	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.56	-26.44	74	51.44	39.7	17.93	61.51	100	0	P	H
		17100	48.48	-19.72	68.2	45.26	39.7	22.67	59.15	100	0	P	H
													H
													H
		11400	48.46	-25.54	74	52.34	39.7	17.93	61.51	100	0	P	V
		17100	48.5	-19.7	68.2	45.28	39.7	22.67	59.15	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)
		5458.48	57.49	-16.51	74	48.15	31.73	10.23	32.62	100	245	P	H
		5469.68	64.03	-4.17	68.2	54.62	31.78	10.24	32.61	100	245	P	H
		5460	45.67	-8.33	54	36.32	31.74	10.23	32.62	100	245	A	H
	*	5500	113.93	-	-	104.36	31.9	10.26	32.59	100	245	P	H
802.11ac	*	5500	105.27	-	-	95.7	31.9	10.26	32.59	100	245	A	H
VHT20													H
CH 100		5411.92	50	-24	74	40.83	31.62	10.2	32.65	383	325	P	V
5500MHz		5470	53.63	-14.57	68.2	44.22	31.78	10.24	32.61	383	325	P	V
		5460	40.7	-13.3	54	31.35	31.74	10.23	32.62	383	325	A	V
	*	5500	107.57	-	-	98	31.9	10.26	32.59	383	325	P	V
	*	5500	99.91	-	-	90.34	31.9	10.26	32.59	383	325	A	V
													V
		5378.08	49.41	-24.59	74	40.44	31.47	10.17	32.67	100	239	P	H
		5462.32	49.59	-18.61	68.2	40.21	31.75	10.24	32.61	100	239	P	H
		5452.72	41.39	-12.61	54	32.07	31.71	10.23	32.62	100	239	A	H
	*	5580	108.99	-	-	99.38	31.86	10.32	32.57	100	239	P	H
802.11ac	*	5580	101.21	-	-	91.6	31.86	10.32	32.57	100	239	A	H
VHT20		5741.375	49.54	-18.66	68.2	39.38	32.18	10.5	32.52	100	239	P	H
CH 116		5423.68	49.08	-24.92	74	39.86	31.65	10.21	32.64	400	11	P	V
5580MHz		5463.04	48.5	-19.7	68.2	39.12	31.75	10.24	32.61	400	11	P	V
		5452.96	40.39	-13.61	54	31.07	31.71	10.23	32.62	400	11	A	V
	*	5580	102.77	-	-	93.16	31.86	10.32	32.57	400	11	P	V
	*	5580	94.73	-	-	85.12	31.86	10.32	32.57	400	11	A	V
		5741.06	50.06	-18.14	68.2	39.9	32.18	10.5	32.52	400	11	P	V

	*	5700	113.16	-	-	103.14	32.1	10.45	32.53	105	303	P	H
	*	5700	105.19	-	-	95.17	32.1	10.45	32.53	105	303	A	H
		5725.16	63.07	-5.13	68.2	52.97	32.15	10.48	32.53	105	303	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	108.9	-	-	98.88	32.1	10.45	32.53	400	343	P	V
5700MHz	*	5700	91.08	-	-	81.06	32.1	10.45	32.53	400	343	A	V
		5726.12	55.89	-12.31	68.2	45.79	32.15	10.48	32.53	400	343	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	49.53	-24.47	74	53.21	40	17.48	61.16	100	0	P	H
		16500	47.3	-20.9	68.2	45.96	38.4	22.01	59.07	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	47.34	-26.66	74	51.02	40	17.48	61.16	100	0	P	V
5500MHz		16500	47.67	-20.53	68.2	46.33	38.4	22.01	59.07	100	0	P	V
													V
													V
		11160	47.99	-26.01	74	52.15	39.48	17.66	61.3	100	0	P	H
		16740	47.96	-20.24	68.2	45.55	39.38	22.26	59.23	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	47.93	-26.07	74	52.09	39.48	17.66	61.3	100	0	P	V
5580MHz		16740	47.17	-21.03	68.2	44.76	39.38	22.26	59.23	100	0	P	V
													V
													V
		11400	47.98	-26.02	74	51.86	39.7	17.93	61.51	100	0	P	H
		17100	48.31	-19.89	68.2	45.09	39.7	22.67	59.15	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	48.87	-25.13	74	52.75	39.7	17.93	61.51	100	0	P	V
5700MHz		17100	48.43	-19.77	68.2	45.21	39.7	22.67	59.15	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)
		5459.92	59.47	-14.53	74	50.12	31.74	10.23	32.62	100	236	P	H
		5470	63.74	-4.46	68.2	54.33	31.78	10.24	32.61	100	236	P	H
		5459.68	50.09	-3.91	54	40.74	31.74	10.23	32.62	100	236	A	H
	*	5510	109.28	-	-	99.72	31.88	10.27	32.59	100	236	P	H
802.11ac	*	5510	101.71	-	-	92.15	31.88	10.27	32.59	100	236	A	H
VHT40		5733.185	55.51	-12.69	68.2	45.37	32.17	10.49	32.52	100	236	P	H
CH 102		5454.88	51.01	-22.99	74	41.68	31.72	10.23	32.62	362	314	P	V
5510MHz		5466.16	55.01	-13.19	68.2	45.62	31.76	10.24	32.61	362	314	P	V
		5459.92	43.24	-10.76	54	33.89	31.74	10.23	32.62	362	314	A	V
	*	5510	104.12	-	-	94.56	31.88	10.27	32.59	362	314	P	V
	*	5510	95.76	-	-	86.2	31.88	10.27	32.59	362	314	A	V
		5745.785	51.43	-16.77	68.2	41.26	32.19	10.5	32.52	362	314	P	V
		5457.04	50.82	-23.18	74	41.48	31.73	10.23	32.62	100	239	P	H
		5467.12	50.99	-17.21	68.2	41.59	31.77	10.24	32.61	100	239	P	H
		5452.72	42.68	-11.32	54	33.36	31.71	10.23	32.62	100	239	A	H
	*	5550	106.59	-	-	97.07	31.8	10.3	32.58	100	239	P	H
802.11ac	*	5550	98.78	-	-	89.26	31.8	10.3	32.58	100	239	A	H
VHT40		5751.14	51.37	-16.83	68.2	41.18	32.2	10.51	32.52	100	239	P	H
CH 110		5396.08	49.71	-24.29	74	40.6	31.58	10.19	32.66	400	341	P	V
5550MHz		5463.28	48.73	-19.47	68.2	39.35	31.75	10.24	32.61	400	341	P	V
		5452.72	41.27	-12.73	54	31.95	31.71	10.23	32.62	400	341	A	V
	*	5550	101.29	-	-	91.77	31.8	10.3	32.58	400	341	P	V
	*	5550	93.08	-	-	83.56	31.8	10.3	32.58	400	341	A	V
		5760.59	50.24	-17.96	68.2	40.02	32.22	10.52	32.52	400	341	P	V

		5446.25	51.54	-22.46	74	42.25	31.69	10.22	32.62	100	305	P	H
		5466.2	48.73	-19.47	68.2	39.34	31.76	10.24	32.61	100	305	P	H
		5447.3	44.63	-9.37	54	35.33	31.69	10.23	32.62	100	305	A	H
	*	5670	109.04	-	-	99.24	31.92	10.42	32.54	100	305	P	H
802.11ac	*	5670	101.7	-	-	91.9	31.92	10.42	32.54	100	305	A	H
VHT40		5730.875	58.2	-10	68.2	48.09	32.16	10.48	32.53	100	305	P	H
CH 134		5453.25	49.72	-24.28	74	40.4	31.71	10.23	32.62	400	318	P	V
5670MHz		5464.45	49.35	-18.85	68.2	39.96	31.76	10.24	32.61	400	318	P	V
		5446.25	41.49	-12.51	54	32.2	31.69	10.22	32.62	400	318	A	V
	*	5670	105.36	-	-	95.56	31.92	10.42	32.54	400	318	P	V
	*	5670	97.36	-	-	87.56	31.92	10.42	32.54	400	318	A	V
		5728.25	54.77	-13.43	68.2	44.66	32.16	10.48	32.53	400	318	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	47.34	-26.66	74	51.1	39.92	17.5	61.18	100	0	P	H
		16530	47.45	-20.75	68.2	45.98	38.52	22.04	59.09	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	48.13	-25.87	74	51.89	39.92	17.5	61.18	100	0	P	V
5510MHz		16530	47.16	-21.04	68.2	45.69	38.52	22.04	59.09	100	0	P	V
													V
													V
		11100	46.64	-27.36	74	50.7	39.6	17.59	61.25	100	0	P	H
		16650	47.03	-21.17	68.2	45.09	38.95	22.16	59.17	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	45.63	-28.37	74	49.69	39.6	17.59	61.25	100	0	P	V
5550MHz		16650	47.1	-21.1	68.2	45.16	38.95	22.16	59.17	100	0	P	V
													V
													V
		11340	47.98	-26.02	74	52.06	39.52	17.86	61.46	100	0	P	H
		17010	48.28	-19.92	68.2	45.42	39.7	22.54	59.38	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	47.94	-26.06	74	52.02	39.52	17.86	61.46	100	0	P	V
5670MHz		17010	49.28	-18.92	68.2	46.42	39.7	22.54	59.38	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)
		5457.28	60.99	-13.01	74	51.65	31.73	10.23	32.62	119	236	P	H
		5468.56	61.56	-6.64	68.2	52.16	31.77	10.24	32.61	119	236	P	H
		5458.24	50.93	-3.07	54	41.59	31.73	10.23	32.62	119	236	A	H
	*	5530	105.58	-	-	96.03	31.84	10.29	32.58	119	236	P	H
802.11ac	*	5530	97.94	-	-	88.39	31.84	10.29	32.58	119	236	A	H
VHT80		5728.46	50.42	-17.78	68.2	40.31	32.16	10.48	32.53	119	236	P	H
CH 106		5439.52	50.95	-23.05	74	41.68	31.68	10.22	32.63	400	325	P	V
5530MHz		5460.16	53.34	-14.86	68.2	43.98	31.74	10.24	32.62	400	325	P	V
		5459.44	43.32	-10.68	54	33.97	31.74	10.23	32.62	400	325	A	V
	*	5530	100.81	-	-	91.26	31.84	10.29	32.58	400	325	P	V
	*	5530	92.93	-	-	83.38	31.84	10.29	32.58	400	325	A	V
		5743.265	49.48	-18.72	68.2	39.31	32.19	10.5	32.52	400	325	P	V
		5458.15	53.85	-20.15	74	44.51	31.73	10.23	32.62	100	238	P	H
		5469.7	53.01	-15.19	68.2	43.6	31.78	10.24	32.61	100	238	P	H
		5455	44.37	-9.63	54	35.04	31.72	10.23	32.62	100	238	A	H
	*	5610	106.96	-	-	97.29	31.88	10.35	32.56	100	238	P	H
802.11ac	*	5610	99.24	-	-	89.57	31.88	10.35	32.56	100	238	A	H
VHT80		5725	55.35	-12.85	68.2	45.25	32.15	10.48	32.53	100	238	P	H
CH 122		5452.9	49.32	-24.68	74	40	31.71	10.23	32.62	396	13	P	V
5610MHz		5468.65	50.83	-17.37	68.2	41.43	31.77	10.24	32.61	396	13	P	V
		5455.35	41.71	-12.29	54	32.38	31.72	10.23	32.62	396	13	A	V
	*	5610	100.95	-	-	91.28	31.88	10.35	32.56	396	13	P	V
	*	5610	93.24	-	-	83.57	31.88	10.35	32.56	396	13	A	V
		5736.3	51.73	-16.47	68.2	41.59	32.17	10.49	32.52	396	13	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	48.91	-25.09	74	52.81	39.76	17.55	61.21	100	0	P	H
		16590	47.67	-20.53	68.2	45.94	38.76	22.1	59.13	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.67	-26.33	74	51.57	39.76	17.55	61.21	100	0	P	V
5530MHz		16590	48.28	-19.92	68.2	46.55	38.76	22.1	59.13	100	0	P	V
													V
													V
		11220	47.82	-26.18	74	52.04	39.4	17.73	61.35	100	0	P	H
		16830	47.79	-20.41	68.2	44.91	39.83	22.34	59.29	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.73	-26.27	74	51.95	39.4	17.73	61.35	100	0	P	V
5610MHz		16830	48.65	-19.55	68.2	45.77	39.83	22.34	59.29	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		5401.48	48.44	-25.56	74	39.3	31.6	10.19	32.65	100	302	P	H
		5467.78	48.96	-19.24	68.2	39.56	31.77	10.24	32.61	100	302	P	H
		5452.96	39.84	-14.16	54	30.52	31.71	10.23	32.62	100	302	A	H
	*	5720	108.59	-	-	98.51	32.14	10.47	32.53	100	302	P	H
	*	5720	100.38	-	-	90.3	32.14	10.47	32.53	100	302	A	H
		5892.25	51.91	-16.29	68.2	41.22	32.48	10.69	32.48	100	302	P	H
		5452.18	50.24	-23.76	74	40.92	31.71	10.23	32.62	400	350	P	V
		5465.83	49.81	-18.39	68.2	40.42	31.76	10.24	32.61	400	350	P	V
		5459.59	39.54	-14.46	54	30.19	31.74	10.23	32.62	400	350	A	V
	*	5720	103.1	-	-	93.02	32.14	10.47	32.53	400	350	P	V
	*	5720	95.12	-	-	85.04	32.14	10.47	32.53	400	350	A	V
		5886	52.09	-16.11	68.2	41.42	32.47	10.68	32.48	400	350	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	48.88	-25.12	74	52.79	39.66	17.98	61.55	100	0	P	H
		17160	50.56	-17.64	68.2	46.8	40	22.77	59.01	100	0	P	H
													H
													H
		11440	48.19	-25.81	74	52.1	39.66	17.98	61.55	100	0	P	V
		17160	48.86	-19.34	68.2	45.1	40	22.77	59.01	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)
802.11ac VHT20 CH 144 5720MHz		5393.68	49.86	-24.14	74	40.77	31.56	10.19	32.66	100	304	P	H
		5463.49	48.44	-19.76	68.2	39.06	31.75	10.24	32.61	100	304	P	H
		5452.96	40.88	-13.12	54	31.56	31.71	10.23	32.62	100	304	A	H
	*	5720	108.9	-	-	98.82	32.14	10.47	32.53	100	304	P	H
	*	5720	101.1	-	-	91.02	32.14	10.47	32.53	100	304	A	H
		5860.5	51.41	-16.79	68.2	40.84	32.42	10.64	32.49	100	304	P	H
		5355.46	48.66	-25.34	74	39.85	31.33	10.16	32.68	396	341	P	V
		5470	48.17	-20.03	68.2	38.76	31.78	10.24	32.61	396	341	P	V
		5455.3	40.66	-13.34	54	31.33	31.72	10.23	32.62	396	341	A	V
	*	5720	105.24	-	-	95.16	32.14	10.47	32.53	396	341	P	V
	*	5720	97.01	-	-	86.93	32.14	10.47	32.53	396	341	A	V
		5919.5	53.21	-14.99	68.2	42.37	32.58	10.73	32.47	396	341	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	49.68	-24.32	74	53.59	39.66	17.98	61.55	100	0	P	H
		17160	49.01	-19.19	68.2	45.25	40	22.77	59.01	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	48.3	-25.7	74	52.21	39.66	17.98	61.55	100	0	P	V
5720MHz		17160	49.82	-18.38	68.2	46.06	40	22.77	59.01	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		5411.62	49.55	-24.45	74	40.38	31.62	10.2	32.65	100	304	P	H
		5467.39	48.29	-19.91	68.2	38.89	31.77	10.24	32.61	100	304	P	H
		5454.52	41.74	-12.26	54	32.41	31.72	10.23	32.62	100	304	A	H
	*	5710	106.83	-	-	96.78	32.12	10.46	32.53	100	304	P	H
	*	5710	98.87	-	-	88.82	32.12	10.46	32.53	100	304	A	H
		5936	51.87	-16.33	68.2	40.95	32.64	10.75	32.47	100	304	P	H
		5367.55	50.58	-23.42	74	41.67	31.41	10.17	32.67	393	316	P	V
		5460	48.55	-19.65	68.2	39.2	31.74	10.23	32.62	393	316	P	V
		5428	41.55	-12.45	54	32.32	31.66	10.21	32.64	393	316	A	V
	*	5710	102.76	-	-	92.71	32.12	10.46	32.53	393	316	P	V
	*	5710	95.26	-	-	85.21	32.12	10.46	32.53	393	316	A	V
		5874	51.01	-17.19	68.2	40.39	32.45	10.66	32.49	393	316	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	47.92	-26.08	74	51.82	39.68	17.95	61.53	100	0	P	H
		17130	48.94	-19.26	68.2	45.45	39.85	22.72	59.08	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	48.71	-25.29	74	52.61	39.68	17.95	61.53	100	0	P	V
5710MHz		17130	49.61	-18.59	68.2	46.12	39.85	22.72	59.08	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
802.11ac VHT80 CH 138 5690MHz		5452.96	49.26	-24.74	74	39.94	31.71	10.23	32.62	121	303	P	H
		5461.93	49.74	-18.46	68.2	40.36	31.75	10.24	32.61	121	303	P	H
		5422.54	41.32	-12.68	54	32.1	31.65	10.21	32.64	121	303	A	H
	*	5690	103.52	-	-	93.58	32.04	10.44	32.54	121	303	P	H
	*	5690	95.18	-	-	85.24	32.04	10.44	32.54	121	303	A	H
		5908.9	51.79	-16.41	68.2	41.02	32.54	10.71	32.48	121	303	P	H
		5459.98	49.61	-24.39	74	40.26	31.74	10.23	32.62	397	317	P	V
		5469.73	49.59	-18.61	68.2	40.18	31.78	10.24	32.61	397	317	P	V
		5456.86	41.38	-12.62	54	32.04	31.73	10.23	32.62	397	317	A	V
	*	5690	99.43	-	-	89.49	32.04	10.44	32.54	397	317	P	V
	*	5690	91.58	-	-	81.64	32.04	10.44	32.54	397	317	A	V
		5876.8	50.94	-17.26	68.2	40.3	32.45	10.67	32.48	397	317	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	48.74	-25.26	74	52.68	39.64	17.91	61.49	100	0	P	H
		17070	49.5	-18.7	68.2	46.4	39.7	22.63	59.23	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	48.38	-25.62	74	52.32	39.64	17.91	61.49	100	0	P	V
5690MHz		17070	48.49	-19.71	68.2	45.39	39.7	22.63	59.23	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 802.11a (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)
		67.83	22.14	-17.86	40	41.61	11.81	1.2	32.48	-	-	P	H
		86.26	27.62	-12.38	40	44.63	14.05	1.36	32.42	100	0	P	H
		149.31	30.75	-12.75	43.5	44.61	16.83	1.79	32.48	-	-	P	H
		858.38	29.73	-16.27	46	28.45	28.97	4.22	31.91	-	-	P	H
		883.6	29.67	-16.33	46	28.22	28.99	4.26	31.8	-	-	P	H
		958.29	31.43	-14.57	46	27.37	30.57	4.45	30.96	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		41.64	33.91	-6.09	40	47.04	18.43	0.93	32.49	100	0	P	V
		57.16	28.14	-11.86	40	47.64	11.92	1.1	32.52	-	-	P	V
		86.26	30.94	-9.06	40	47.95	14.05	1.36	32.42	-	-	P	V
		768.17	28.32	-17.68	46	28.55	27.85	3.99	32.07	-	-	P	V
		883.6	29.58	-16.42	46	28.13	28.99	4.26	31.8	-	-	P	V
		959.26	32.12	-13.88	46	27.97	30.64	4.46	30.95	-	-	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		5147.68	58.34	-15.66	74	49.4	31.8	9.96	32.82	105	65	P	H
		5150	51.19	-2.81	54	42.23	31.8	9.97	32.81	105	65	A	H
	*	5180	113.34	-	-	104.5	31.62	10.01	32.79	105	65	P	H
	*	5180	105.6	-	-	96.76	31.62	10.01	32.79	105	65	A	H
													H
													H
		5148.46	56.63	-17.37	74	47.67	31.8	9.97	32.81	100	92	P	V
		5150	48.23	-5.77	54	39.27	31.8	9.97	32.81	100	92	A	V
	*	5180	110.46	-	-	101.62	31.62	10.01	32.79	100	92	P	V
	*	5180	102.7	-	-	93.86	31.62	10.01	32.79	100	92	A	V
													V
													V
802.11a CH 44 5220MHz		5147.42	52.4	-21.6	74	43.46	31.8	9.96	32.82	100	61	P	H
		5148.98	45.13	-8.87	54	36.17	31.8	9.97	32.81	100	61	A	H
	*	5220	113.17	-	-	104.42	31.46	10.06	32.77	100	61	P	H
	*	5220	107.66	-	-	98.91	31.46	10.06	32.77	100	61	A	H
		5439.22	51.9	-22.1	74	42.63	31.68	10.22	32.63	100	61	P	H
		5452.72	44.42	-9.58	54	35.1	31.71	10.23	32.62	100	61	A	H
		5145.6	50.72	-23.28	74	41.78	31.8	9.96	32.82	100	92	P	V
		5150	43.27	-10.73	54	34.31	31.8	9.97	32.81	100	92	A	V
	*	5220	112.47	-	-	103.72	31.46	10.06	32.77	100	92	P	V
	*	5220	105.18	-	-	96.43	31.46	10.06	32.77	100	92	A	V
		5397.1	50.82	-23.18	74	41.71	31.58	10.19	32.66	100	92	P	V
		5452.45	42.37	-11.63	54	33.05	31.71	10.23	32.62	100	92	A	V

802.11a CH 48 5240MHz		5067.86	50.36	-23.64	74	41.77	31.61	9.85	32.87	101	62	P	H
		5149.5	42.01	-11.99	54	33.05	31.8	9.97	32.81	101	62	A	H
	*	5240	111.39	-	-	102.66	31.42	10.07	32.76	101	62	P	H
	*	5240	103.94	-	-	95.21	31.42	10.07	32.76	101	62	A	H
		5362.81	50.3	-23.7	74	41.44	31.38	10.16	32.68	101	62	P	H
		5361.73	41.86	-12.14	54	33.01	31.37	10.16	32.68	101	62	A	H
		5055.9	50.33	-23.67	74	41.83	31.54	9.83	32.87	100	92	P	V
		5138.32	41.73	-12.27	54	32.8	31.8	9.95	32.82	100	92	A	V
	*	5240	108.79	-	-	100.06	31.42	10.07	32.76	100	92	P	V
	*	5240	100.95	-	-	92.22	31.42	10.07	32.76	100	92	A	V
		5447.32	50.41	-23.59	74	41.11	31.69	10.23	32.62	100	92	P	V
		5445.16	41.06	-12.94	54	31.78	31.69	10.22	32.63	100	92	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	46.09	-22.11	68.2	49.24	39.8	17.44	60.39	100	0	P	H
		15540	46.36	-27.64	74	48.17	37.84	21.62	61.27	100	0	P	H
													H
													H
		10360	45.66	-22.54	68.2	48.81	39.8	17.44	60.39	100	0	P	V
		15540	46.32	-27.68	74	48.13	37.84	21.62	61.27	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.68	-21.52	68.2	49.86	39.96	17.44	60.58	100	0	P	H
		15660	46.38	-27.62	74	48.37	37.42	21.6	61.01	100	0	P	H
													H
													H
		10440	46.65	-21.55	68.2	49.83	39.96	17.44	60.58	100	0	P	V
		15660	47.2	-26.8	74	49.19	37.42	21.6	61.01	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	45.5	-22.7	68.2	48.82	39.92	17.44	60.68	100	0	P	H
		15720	45.34	-28.66	74	47.37	37.28	21.57	60.88	100	0	P	H
													H
													H
		10480	46.06	-22.14	68.2	49.38	39.92	17.44	60.68	100	0	P	V
		15720	46.14	-27.86	74	48.17	37.28	21.57	60.88	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)
		5147.68	58.22	-15.78	74	49.28	31.8	9.96	32.82	106	66	P	H
		5150	51.38	-2.62	54	42.42	31.8	9.97	32.81	106	66	A	H
	*	5180	112.53	-	-	103.69	31.62	10.01	32.79	106	66	P	H
	*	5180	105.14	-	-	96.3	31.62	10.01	32.79	106	66	A	H
802.11ac													H
VHT20													H
CH 36		5150	55.61	-18.39	74	46.65	31.8	9.97	32.81	101	92	P	V
5180MHz		5150	48.83	-5.17	54	39.87	31.8	9.97	32.81	101	92	A	V
	*	5180	109.87	-	-	101.03	31.62	10.01	32.79	101	92	P	V
	*	5180	102.42	-	-	93.58	31.62	10.01	32.79	101	92	A	V
													V
													V
		5136.24	51.05	-22.95	74	42.12	31.8	9.95	32.82	100	62	P	H
		5149.5	43.44	-10.56	54	34.48	31.8	9.97	32.81	100	62	A	H
	*	5220	111.33	-	-	102.58	31.46	10.06	32.77	100	62	P	H
	*	5220	102.98	-	-	94.23	31.46	10.06	32.77	100	62	A	H
802.11ac		5438.68	51.08	-22.92	74	41.81	31.68	10.22	32.63	100	62	P	H
VHT20		5452.72	43.08	-10.92	54	33.76	31.71	10.23	32.62	100	62	A	H
CH 44		5008.58	50.51	-23.49	74	42.32	31.33	9.76	32.9	100	92	P	V
5220MHz		5148.98	42.44	-11.56	54	33.48	31.8	9.97	32.81	100	92	A	V
	*	5220	108.95	-	-	100.2	31.46	10.06	32.77	100	92	P	V
	*	5220	100.46	-	-	91.71	31.46	10.06	32.77	100	92	A	V
		5415.73	49.93	-24.07	74	40.74	31.63	10.2	32.64	100	92	P	V
		5455.42	41.67	-12.33	54	32.34	31.72	10.23	32.62	100	92	A	V

		5136.5	50.7	-23.3	74	41.77	31.8	9.95	32.82	106	62	P	H
		5132.86	41.95	-12.05	54	33.03	31.8	9.94	32.82	106	62	A	H
	*	5240	111.89	-	-	103.16	31.42	10.07	32.76	106	62	P	H
	*	5240	103.55	-	-	94.82	31.42	10.07	32.76	106	62	A	H
802.11ac		5404.93	50.34	-23.66	74	41.19	31.61	10.19	32.65	106	62	P	H
VHT20		5355.79	41.77	-12.23	54	32.96	31.33	10.16	32.68	106	62	A	H
CH 48		5074.1	49.99	-24.01	74	41.35	31.64	9.86	32.86	100	92	P	V
5240MHz		5094.12	41.88	-12.12	54	33.08	31.76	9.89	32.85	100	92	A	V
	*	5240	108.75	-	-	100.02	31.42	10.07	32.76	100	92	P	V
	*	5240	100.56	-	-	91.83	31.42	10.07	32.76	100	92	A	V
		5374.96	50.28	-23.72	74	41.33	31.45	10.17	32.67	100	92	P	V
		5452.99	41.03	-12.97	54	31.71	31.71	10.23	32.62	100	92	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	46.22	-21.98	68.2	49.37	39.8	17.44	60.39	100	0	P	H
		15540	47.07	-26.93	74	48.88	37.84	21.62	61.27	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	45.63	-22.57	68.2	48.78	39.8	17.44	60.39	100	0	P	V
5180MHz		15540	45.61	-28.39	74	47.42	37.84	21.62	61.27	100	0	P	V
													V
													V
		10440	44.71	-23.49	68.2	47.89	39.96	17.44	60.58	100	0	P	H
		15660	46.39	-27.61	74	48.38	37.42	21.6	61.01	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	45.32	-22.88	68.2	48.5	39.96	17.44	60.58	100	0	P	V
5220MHz		15660	46.6	-27.4	74	48.59	37.42	21.6	61.01	100	0	P	V
													V
													V
		10480	48.24	-19.96	68.2	51.56	39.92	17.44	60.68	100	0	P	H
		15720	46.45	-27.55	74	48.48	37.28	21.57	60.88	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	48.86	-19.34	68.2	52.18	39.92	17.44	60.68	100	0	P	V
5240MHz		15720	46.37	-27.63	74	48.4	37.28	21.57	60.88	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)
		5145.86	59.2	-14.8	74	50.26	31.8	9.96	32.82	101	65	P	H
		5149.76	49.96	-4.04	54	41	31.8	9.97	32.81	101	65	A	H
	*	5190	107.88	-	-	99.08	31.56	10.03	32.79	101	65	P	H
	*	5190	100.59	-	-	91.79	31.56	10.03	32.79	101	65	A	H
802.11ac		5413.52	56.26	-17.74	74	47.08	31.63	10.2	32.65	101	65	P	H
VHT40		5412.68	49.39	-4.61	54	40.21	31.63	10.2	32.65	101	65	A	H
CH 38		5146.9	54.39	-19.61	74	45.45	31.8	9.96	32.82	101	99	P	V
5190MHz		5148.46	45.98	-8.02	54	37.02	31.8	9.97	32.81	101	99	A	V
	*	5190	105.32	-	-	96.52	31.56	10.03	32.79	101	99	P	V
	*	5190	97.79	-	-	88.99	31.56	10.03	32.79	101	99	A	V
		5412.96	55	-19	74	45.82	31.63	10.2	32.65	101	99	P	V
		5412.4	48.5	-5.5	54	39.33	31.62	10.2	32.65	101	99	A	V
		5136.76	52.01	-21.99	74	43.08	31.8	9.95	32.82	105	62	P	H
		5145.86	44.72	-9.28	54	35.78	31.8	9.96	32.82	105	62	A	H
	*	5230	108.95	-	-	100.21	31.44	10.06	32.76	105	62	P	H
	*	5230	101.05	-	-	92.31	31.44	10.06	32.76	105	62	A	H
802.11ac		5452.44	57.44	-16.56	74	48.12	31.71	10.23	32.62	105	62	P	H
VHT40		5452.72	51.4	-2.6	54	42.08	31.71	10.23	32.62	105	62	A	H
CH 46		5138.58	51.11	-22.89	74	42.18	31.8	9.95	32.82	100	93	P	V
5230MHz		5147.42	43.06	-10.94	54	34.12	31.8	9.96	32.82	100	93	A	V
	*	5230	105.34	-	-	96.6	31.44	10.06	32.76	100	93	P	V
	*	5230	98.27	-	-	89.53	31.44	10.06	32.76	100	93	A	V
		5452.16	53.63	-20.37	74	44.31	31.71	10.23	32.62	100	93	P	V
		5452.44	47.85	-6.15	54	38.53	31.71	10.23	32.62	100	93	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	47.65	-20.55	68.2	50.74	39.9	17.44	60.43	100	0	P	H
		15570	47.67	-26.33	74	49.53	37.72	21.62	61.2	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	47.23	-20.97	68.2	50.32	39.9	17.44	60.43	100	0	P	V
5190MHz		15570	47.04	-26.96	74	48.9	37.72	21.62	61.2	100	0	P	V
													V
													V
		10460	46.69	-21.51	68.2	49.94	39.94	17.44	60.63	100	0	P	H
		15690	46.37	-27.63	74	48.4	37.33	21.59	60.95	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	46.32	-21.88	68.2	49.57	39.94	17.44	60.63	100	0	P	V
5230MHz		15690	46.07	-27.93	74	48.1	37.33	21.59	60.95	100	0	P	V
													V
													V

Remark

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

Band 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		5147.22	57.57	-16.43	74	48.63	31.8	9.96	32.82	100	64	P	H
		5144.16	50.59	-3.41	54	41.65	31.8	9.96	32.82	100	64	A	H
	*	5210	104.58	-	-	95.83	31.48	10.05	32.78	100	64	P	H
	*	5210	96.88	-	-	88.13	31.48	10.05	32.78	100	64	A	H
		5425.68	50.83	-23.17	74	41.61	31.65	10.21	32.64	100	64	P	H
		5355.22	42.51	-11.49	54	33.7	31.33	10.16	32.68	100	64	A	H
		5149.6	54.88	-19.12	74	45.92	31.8	9.97	32.81	102	97	P	V
		5149.26	47.88	-6.12	54	38.92	31.8	9.97	32.81	102	97	A	V
	*	5210	101.86	-	-	93.11	31.48	10.05	32.78	102	97	P	V
	*	5210	94.34	-	-	85.59	31.48	10.05	32.78	102	97	P	V
		5350.02	50.01	-23.99	74	41.25	31.3	10.15	32.69	102	97	P	V
		5450.38	41.64	-12.36	54	32.33	31.7	10.23	32.62	102	97	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	46.18	-22.02	68.2	49.29	39.98	17.44	60.53	100	0	P	H
		15630	47.69	-26.31	74	49.65	37.51	21.6	61.07	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	46.55	-21.65	68.2	49.66	39.98	17.44	60.53	100	0	P	V
5210MHz		15630	46.73	-27.27	74	48.69	37.51	21.6	61.07	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 802.11a (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)
802.11a CH 52 5260MHz		5085	52.09	-21.91	74	43.37	31.71	9.87	32.86	106	65	P	H
		5099.62	41.57	-12.43	54	32.73	31.8	9.89	32.85	106	65	A	H
	*	5260	110.34	-	-	101.59	31.4	10.09	32.74	106	65	P	H
	*	5260	102.75	-	-	94	31.4	10.09	32.74	106	65	A	H
		5355.6	51.41	-22.59	74	42.6	31.33	10.16	32.68	106	65	P	H
		5352.24	41.3	-12.7	54	32.52	31.31	10.15	32.68	106	65	A	H
		5078.54	49.96	-24.04	74	41.29	31.67	9.86	32.86	100	94	P	V
		5091.12	41.28	-12.72	54	32.5	31.75	9.88	32.85	100	94	A	V
	*	5260	108.77	-	-	100.02	31.4	10.09	32.74	100	94	P	V
	*	5260	100.99	-	-	92.24	31.4	10.09	32.74	100	94	A	V
		5355.12	49.71	-24.29	74	40.9	31.33	10.16	32.68	100	94	P	V
		5351.28	41.06	-12.94	54	32.29	31.31	10.15	32.69	100	94	A	V
802.11a CH 60 5300MHz		5075.82	50.4	-23.6	74	41.75	31.65	9.86	32.86	100	65	P	H
		5109.14	41.34	-12.66	54	32.47	31.8	9.91	32.84	100	65	A	H
	*	5300	110.78	-	-	101.99	31.4	10.11	32.72	100	65	P	H
	*	5300	102.9	-	-	94.11	31.4	10.11	32.72	100	65	A	H
		5360.16	51.59	-22.41	74	42.75	31.36	10.16	32.68	100	65	P	H
		5350.56	44.17	-9.83	54	35.41	31.3	10.15	32.69	100	65	A	H
		5143.14	49.89	-24.11	74	40.95	31.8	9.96	32.82	100	93	P	V
		5105.74	41.36	-12.64	54	32.5	31.8	9.9	32.84	100	93	A	V
	*	5300	109.31	-	-	100.52	31.4	10.11	32.72	100	93	P	V
	*	5300	100.93	-	-	92.14	31.4	10.11	32.72	100	93	A	V
		5356.8	51.46	-22.54	74	42.64	31.34	10.16	32.68	100	93	P	V
		5351.04	43.04	-10.96	54	34.27	31.31	10.15	32.69	100	93	A	V

802.11a CH 64 5320MHz	*	5320	113.19	-	-	104.41	31.36	10.13	32.71	110	65	P	H
	*	5320	105.5	-	-	96.72	31.36	10.13	32.71	110	65	A	H
		5352.16	58.92	-15.08	74	50.14	31.31	10.15	32.68	110	65	P	H
		5350.08	51.64	-2.36	54	42.88	31.3	10.15	32.69	110	65	A	H
													H
													H
	*	5320	111.26	-	-	102.48	31.36	10.13	32.71	106	99	P	V
	*	5320	103.86	-	-	95.08	31.36	10.13	32.71	106	99	A	V
		5351.04	57.81	-16.19	74	49.04	31.31	10.15	32.69	106	99	P	V
		5350.08	49.26	-4.74	54	40.5	31.3	10.15	32.69	106	99	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	45.62	-22.58	68.2	49.01	39.9	17.46	60.75	100	0	P	H
		15780	45.89	-28.11	74	47.87	37.22	21.56	60.76	100	0	P	H
													H
													H
		10520	45.76	-22.44	68.2	49.15	39.9	17.46	60.75	100	0	P	V
		15780	46	-28	74	47.98	37.22	21.56	60.76	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	45.71	-28.29	74	49.17	39.9	17.46	60.82	100	0	P	H
		15900	45.29	-28.71	74	47.36	36.9	21.53	60.5	100	0	P	H
													H
													H
		10600	45.64	-28.36	74	49.1	39.9	17.46	60.82	100	0	P	V
		15900	44.99	-29.01	74	47.06	36.9	21.53	60.5	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	45.48	-28.52	74	49.05	39.82	17.46	60.85	100	0	P	H
		15960	44.71	-29.29	74	46.79	36.78	21.51	60.37	100	0	P	H
													H
													H
		10640	44.94	-29.06	74	48.51	39.82	17.46	60.85	100	0	P	V
		15960	46.16	-27.84	74	48.24	36.78	21.51	60.37	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)
		5094.18	50.71	-23.29	74	41.9	31.77	9.89	32.85	104	62	P	H
		5115.94	41.33	-12.67	54	32.45	31.8	9.92	32.84	104	62	A	H
	*	5260	109.92	-	-	101.17	31.4	10.09	32.74	104	62	P	H
	*	5260	101.77	-	-	93.02	31.4	10.09	32.74	104	62	A	H
802.11ac		5381.28	49.82	-24.18	74	40.82	31.49	10.18	32.67	104	62	P	H
VHT20		5356.56	41.95	-12.05	54	33.13	31.34	10.16	32.68	104	62	A	H
CH 52		5119.68	50.27	-23.73	74	41.38	31.8	9.92	32.83	100	94	P	V
5260MHz		5094.18	41.21	-12.79	54	32.4	31.77	9.89	32.85	100	94	A	V
	*	5260	108.18	-	-	99.43	31.4	10.09	32.74	100	94	P	V
	*	5260	100.41	-	-	91.66	31.4	10.09	32.74	100	94	A	V
		5351.04	49.72	-24.28	74	40.95	31.31	10.15	32.69	100	94	P	V
		5350.8	41.34	-12.66	54	32.58	31.3	10.15	32.69	100	94	A	V
		5110.16	49.6	-24.4	74	40.73	31.8	9.91	32.84	100	65	P	H
		5066.64	41.3	-12.7	54	32.72	31.6	9.85	32.87	100	65	A	H
	*	5300	110.35	-	-	101.56	31.4	10.11	32.72	100	65	P	H
	*	5300	102.37	-	-	93.58	31.4	10.11	32.72	100	65	A	H
802.11ac		5350.32	52.24	-21.76	74	43.48	31.3	10.15	32.69	100	65	P	H
VHT20		5350.8	43.9	-10.1	54	35.14	31.3	10.15	32.69	100	65	A	H
CH 60		5121.04	49.6	-24.4	74	40.7	31.8	9.93	32.83	100	94	P	V
5300MHz		5109.14	41.47	-12.53	54	32.6	31.8	9.91	32.84	100	94	A	V
	*	5300	108.46	-	-	99.67	31.4	10.11	32.72	100	94	P	V
	*	5300	100.49	-	-	91.7	31.4	10.11	32.72	100	94	A	V
		5376.72	51.17	-22.83	74	42.21	31.46	10.17	32.67	100	94	P	V
		5353.92	42.79	-11.21	54	33.99	31.32	10.16	32.68	100	94	A	V

	*	5320	113.44	-	-	104.66	31.36	10.13	32.71	110	66	P	H
	*	5320	105.27	-	-	96.49	31.36	10.13	32.71	110	66	A	H
		5352.48	58.2	-15.8	74	49.42	31.31	10.15	32.68	110	66	P	H
		5350.08	51.02	-2.98	54	42.26	31.3	10.15	32.69	110	66	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	111.07	-	-	102.29	31.36	10.13	32.71	100	93	P	V
5320MHz	*	5320	103.25	-	-	94.47	31.36	10.13	32.71	100	93	A	V
		5352	57.25	-16.75	74	48.47	31.31	10.15	32.68	100	93	P	V
		5350.08	49.43	-4.57	54	40.67	31.3	10.15	32.69	100	93	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	45.59	-22.61	68.2	48.98	39.9	17.46	60.75	100	0	P	H
		15780	46.75	-27.25	74	48.73	37.22	21.56	60.76	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	45.3	-22.9	68.2	48.69	39.9	17.46	60.75	100	0	P	V
5260MHz		15780	45.51	-28.49	74	47.49	37.22	21.56	60.76	100	0	P	V
													V
													V
		10600	44.98	-29.02	74	48.44	39.9	17.46	60.82	100	0	P	H
		15900	44.88	-29.12	74	46.95	36.9	21.53	60.5	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	44.99	-29.01	74	48.45	39.9	17.46	60.82	100	0	P	V
5300MHz		15900	45.62	-28.38	74	47.69	36.9	21.53	60.5	100	0	P	V
													V
													V
		10640	45.31	-28.69	74	48.88	39.82	17.46	60.85	100	0	P	H
		15960	44.97	-29.03	74	47.05	36.78	21.51	60.37	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	45.38	-28.62	74	48.95	39.82	17.46	60.85	100	0	P	V
5320MHz		15960	45.23	-28.77	74	47.31	36.78	21.51	60.37	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)
802.11ac VHT40 CH 54 5270MHz		5148.24	49.89	-24.11	74	40.95	31.8	9.96	32.82	100	62	P	H
		5046.92	42.4	-11.6	54	33.97	31.49	9.82	32.88	100	62	A	H
	*	5270	106.55	-	-	97.8	31.4	10.09	32.74	100	62	P	H
	*	5270	98.79	-	-	90.04	31.4	10.09	32.74	100	62	A	H
		5360.64	52.2	-21.8	74	43.36	31.36	10.16	32.68	100	62	P	H
		5350.32	44.43	-9.57	54	35.67	31.3	10.15	32.69	100	62	A	H
		5086.36	49.64	-24.36	74	40.89	31.72	9.88	32.85	102	102	P	V
		5047.26	41.96	-12.04	54	33.53	31.49	9.82	32.88	102	102	A	V
	*	5270	105.64	-	-	96.89	31.4	10.09	32.74	102	102	P	V
	*	5270	98.18	-	-	89.43	31.4	10.09	32.74	102	102	A	V
		5351.76	52.12	-21.88	74	43.34	31.31	10.15	32.68	102	102	P	V
		5351.52	44.17	-9.83	54	35.4	31.31	10.15	32.69	102	102	A	V
802.11ac VHT40 CH 62 5310MHz		5071.4	50.78	-23.22	74	42.16	31.63	9.85	32.86	111	64	P	H
		5086.7	43.2	-10.8	54	34.45	31.72	9.88	32.85	111	64	A	H
	*	5310	107.28	-	-	98.49	31.38	10.12	32.71	111	64	P	H
	*	5310	99.31	-	-	90.52	31.38	10.12	32.71	111	64	A	H
		5352	61.69	-12.31	74	52.91	31.31	10.15	32.68	111	64	P	H
		5350.32	52.01	-1.99	54	43.25	31.3	10.15	32.69	111	64	A	H
		5097.24	50.39	-23.61	74	41.57	31.78	9.89	32.85	100	98	P	V
		5086.36	42.48	-11.52	54	33.73	31.72	9.88	32.85	100	98	A	V
	*	5310	105	-	-	96.21	31.38	10.12	32.71	100	98	P	V
	*	5310	97.36	-	-	88.57	31.38	10.12	32.71	100	98	A	V
		5352.24	57.63	-16.37	74	48.85	31.31	10.15	32.68	100	98	P	V
		5350.56	50.13	-3.87	54	41.37	31.3	10.15	32.69	100	98	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	45.82	-22.38	68.2	49.22	39.9	17.46	60.76	100	0	P	H
		15810	46.04	-27.96	74	48.01	37.17	21.55	60.69	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	45.11	-23.09	68.2	48.51	39.9	17.46	60.76	100	0	P	V
5270MHz		15810	46.05	-27.95	74	48.02	37.17	21.55	60.69	100	0	P	V
													V
													V
		10620	45.09	-28.91	74	48.6	39.86	17.46	60.83	100	0	P	H
		15930	45.27	-28.73	74	47.35	36.84	21.52	60.44	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	45.82	-28.18	74	49.33	39.86	17.46	60.83	100	0	P	V
5310MHz		15930	45.7	-28.3	74	47.78	36.84	21.52	60.44	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		5144.3	50.11	-23.89	74	41.17	31.8	9.96	32.82	100	64	P	H
		5086.4	42.15	-11.85	54	33.4	31.72	9.88	32.85	100	64	A	H
	*	5290	102.43	-	-	93.64	31.4	10.11	32.72	100	64	P	H
	*	5290	94.93	-	-	86.14	31.4	10.11	32.72	100	64	A	H
		5355.36	59.53	-14.47	74	50.72	31.33	10.16	32.68	100	64	P	H
		5353.2	51.45	-2.55	54	42.66	31.32	10.15	32.68	100	64	A	H
		5108.6	50.45	-23.55	74	41.58	31.8	9.91	32.84	102	98	P	V
		5100.8	41.97	-12.03	54	33.12	31.8	9.9	32.85	102	98	A	V
	*	5290	100.5	-	-	91.71	31.4	10.11	32.72	102	98	P	V
	*	5290	92.68	-	-	83.89	31.4	10.11	32.72	102	98	A	V
		5354.16	57.41	-16.59	74	48.61	31.32	10.16	32.68	102	98	P	V
		5350.8	49.6	-4.4	54	40.84	31.3	10.15	32.69	102	98	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	45.46	-22.74	68.2	48.9	39.9	17.46	60.8	100	0	P	H
		15870	46.43	-27.57	74	48.47	36.99	21.54	60.57	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.05	-22.15	68.2	49.49	39.9	17.46	60.8	100	0	P	V
5290MHz		15870	45.5	-28.5	74	47.54	36.99	21.54	60.57	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 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		5454.8	57.69	-16.31	74	48.36	31.72	10.23	32.62	100	91	P	H
		5468.24	62.72	-5.48	68.2	53.32	31.77	10.24	32.61	100	91	P	H
		5460	48.09	-5.91	54	38.74	31.74	10.23	32.62	100	91	A	H
	*	5500	114.63	-	-	105.06	31.9	10.26	32.59	100	91	P	H
	*	5500	106.81	-	-	97.24	31.9	10.26	32.59	100	91	A	H
													H
		5459.28	56.13	-17.87	74	46.78	31.74	10.23	32.62	100	104	P	V
		5469.52	60.5	-7.7	68.2	51.09	31.78	10.24	32.61	100	104	P	V
		5460	46.71	-7.29	54	37.36	31.74	10.23	32.62	100	104	A	V
	*	5500	113.02	-	-	103.45	31.9	10.26	32.59	100	104	P	V
	*	5500	104.95	-	-	95.38	31.9	10.26	32.59	100	104	A	V
													V
802.11a CH 116 5580MHz		5442.64	50.71	-23.29	74	41.43	31.69	10.22	32.63	100	57	P	H
		5461.6	50.73	-17.47	68.2	41.35	31.75	10.24	32.61	100	57	P	H
		5459.92	40.72	-13.28	54	31.37	31.74	10.23	32.62	100	57	A	H
	*	5580	112.12	-	-	102.51	31.86	10.32	32.57	100	57	P	H
	*	5580	104.48	-	-	94.87	31.86	10.32	32.57	100	57	A	H
		5736.65	51.19	-17.01	68.2	41.05	32.17	10.49	32.52	100	57	P	H
		5350.96	49.69	-24.31	74	40.92	31.31	10.15	32.69	103	102	P	V
		5466.88	49.41	-18.79	68.2	40.01	31.77	10.24	32.61	103	102	P	V
		5454.4	40.59	-13.41	54	31.26	31.72	10.23	32.62	103	102	A	V
	*	5580	109.51	-	-	99.9	31.86	10.32	32.57	103	102	P	V
	*	5580	101.95	-	-	92.34	31.86	10.32	32.57	103	102	A	V
		5752.085	50.23	-17.97	68.2	40.04	32.2	10.51	32.52	103	102	P	V

802.11a CH 140 5700MHz	*	5700	115.64	-	-	105.62	32.1	10.45	32.53	100	90	P	H
	*	5700	107.78	-	-	97.76	32.1	10.45	32.53	100	90	A	H
		5725	63.79	-4.41	68.2	53.69	32.15	10.48	32.53	100	90	P	H
													H
													H
													H
	*	5698	110.55	-	-	100.54	32.09	10.45	32.53	100	102	P	V
	*	5698	102.42	-	-	92.41	32.09	10.45	32.53	100	102	A	V
		5725.08	58.73	-9.47	68.2	48.63	32.15	10.48	32.53	100	102	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	47.42	-26.58	74	51.1	40	17.48	61.16	100	0	P	H
		16500	47.16	-21.04	68.2	45.82	38.4	22.01	59.07	100	0	P	H
													H
													H
		11000	48.41	-25.59	74	52.09	40	17.48	61.16	100	0	P	V
		16500	47.89	-20.31	68.2	46.55	38.4	22.01	59.07	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	47.08	-26.92	74	51.24	39.48	17.66	61.3	100	0	P	H
		16740	47.77	-20.43	68.2	45.36	39.38	22.26	59.23	100	0	P	H
													H
													H
		11160	47.38	-26.62	74	51.54	39.48	17.66	61.3	100	0	P	V
		16740	47.59	-20.61	68.2	45.18	39.38	22.26	59.23	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	46.89	-27.11	74	50.77	39.7	17.93	61.51	100	0	P	H
		17100	47.91	-20.29	68.2	44.69	39.7	22.67	59.15	100	0	P	H
													H
													H
		11400	47.15	-26.85	74	51.03	39.7	17.93	61.51	100	0	P	V
		17100	48.3	-19.9	68.2	45.08	39.7	22.67	59.15	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)
		5457.84	58.87	-15.13	74	49.53	31.73	10.23	32.62	100	90	P	H
		5469.2	65.29	-2.91	68.2	55.88	31.78	10.24	32.61	100	90	P	H
		5460	49.12	-4.88	54	39.77	31.74	10.23	32.62	100	90	A	H
	*	5500	115.19	-	-	105.62	31.9	10.26	32.59	100	90	P	H
802.11ac	*	5500	107.02	-	-	97.45	31.9	10.26	32.59	100	90	A	H
VHT20													H
CH 100		5459.28	57.55	-16.45	74	48.2	31.74	10.23	32.62	100	104	P	V
5500MHz		5467.76	65.43	-2.77	68.2	56.03	31.77	10.24	32.61	100	104	P	V
		5460	47.74	-6.26	54	38.39	31.74	10.23	32.62	100	104	A	V
	*	5500	113.35	-	-	103.78	31.9	10.26	32.59	100	104	P	V
	*	5500	104.94	-	-	95.37	31.9	10.26	32.59	100	104	A	V
													V
		5441.92	49.81	-24.19	74	40.54	31.68	10.22	32.63	100	59	P	H
		5462.56	49.84	-18.36	68.2	40.46	31.75	10.24	32.61	100	59	P	H
		5458.96	40.75	-13.25	54	31.4	31.74	10.23	32.62	100	59	A	H
	*	5580	111.79	-	-	102.18	31.86	10.32	32.57	100	59	P	H
802.11ac	*	5580	104.08	-	-	94.47	31.86	10.32	32.57	100	59	A	H
VHT20		5749.88	51.37	-16.83	68.2	41.19	32.2	10.5	32.52	100	59	P	H
CH 116		5358.16	49.31	-24.69	74	40.48	31.35	10.16	32.68	102	102	P	V
5580MHz		5460.64	48.79	-19.41	68.2	39.43	31.74	10.24	32.62	102	102	P	V
		5455.6	40.74	-13.26	54	31.41	31.72	10.23	32.62	102	102	A	V
	*	5580	108.69	-	-	99.08	31.86	10.32	32.57	102	102	P	V
	*	5580	101.45	-	-	91.84	31.86	10.32	32.57	102	102	A	V
		5752.085	50.2	-18	68.2	40.01	32.2	10.51	32.52	102	102	P	V

	*	5700	115.42	-	-	105.4	32.1	10.45	32.53	100	91	P	H
	*	5700	107.46	-	-	97.44	32.1	10.45	32.53	100	91	A	H
		5725.32	65.06	-3.14	68.2	54.96	32.15	10.48	32.53	100	91	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	110.2	-	-	100.18	32.1	10.45	32.53	100	102	P	V
5700MHz	*	5700	102.08	-	-	92.06	32.1	10.45	32.53	100	102	A	V
		5725.8	60.08	-8.12	68.2	49.98	32.15	10.48	32.53	100	102	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	47.78	-26.22	74	51.46	40	17.48	61.16	100	0	P	H
		16500	49.58	-18.62	68.2	48.24	38.4	22.01	59.07	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	47.52	-26.48	74	51.2	40	17.48	61.16	100	0	P	V
5500MHz		16500	48.47	-19.73	68.2	47.13	38.4	22.01	59.07	100	0	P	V
													V
													V
		11160	46.86	-27.14	74	51.02	39.48	17.66	61.3	100	0	P	H
		16740	47.25	-20.95	68.2	44.84	39.38	22.26	59.23	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	47.2	-26.8	74	51.36	39.48	17.66	61.3	100	0	P	V
5580MHz		16740	47.37	-20.83	68.2	44.96	39.38	22.26	59.23	100	0	P	V
													V
													V
		11400	47.28	-26.72	74	51.16	39.7	17.93	61.51	100	0	P	H
		17100	48.39	-19.81	68.2	45.17	39.7	22.67	59.15	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	47.8	-26.2	74	51.68	39.7	17.93	61.51	100	0	P	V
5700MHz		17100	47.89	-20.31	68.2	44.67	39.7	22.67	59.15	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	58.59	-15.41	74	49.24	31.74	10.23	32.62	105	92	P	H
		5470	63.02	-5.18	68.2	53.61	31.78	10.24	32.61	105	92	P	H
		5459.2	49.63	-4.37	54	40.28	31.74	10.23	32.62	105	92	A	H
	*	5510	110.14	-	-	100.58	31.88	10.27	32.59	105	92	P	H
802.11ac	*	5510	102.32	-	-	92.76	31.88	10.27	32.59	105	92	A	H
VHT40		5732.555	58.59	-9.61	68.2	48.45	32.17	10.49	32.52	105	92	P	H
CH 102		5459.68	56.86	-17.14	74	47.51	31.74	10.23	32.62	100	103	P	V
5510MHz		5469.52	63.59	-4.61	68.2	54.18	31.78	10.24	32.61	100	103	P	V
		5459.2	48.45	-5.55	54	39.1	31.74	10.23	32.62	100	103	A	V
	*	5510	108.34	-	-	98.78	31.88	10.27	32.59	100	103	P	V
	*	5510	100.49	-	-	90.93	31.88	10.27	32.59	100	103	A	V
		5733.815	54.51	-13.69	68.2	44.37	32.17	10.49	32.52	100	103	P	V
		5459.44	51.13	-22.87	74	41.78	31.74	10.23	32.62	106	57	P	H
		5466.16	50.93	-17.27	68.2	41.54	31.76	10.24	32.61	106	57	P	H
		5459.2	43.24	-10.76	54	33.89	31.74	10.23	32.62	106	57	A	H
	*	5550	108.48	-	-	98.96	31.8	10.3	32.58	106	57	P	H
802.11ac	*	5550	100.66	-	-	91.14	31.8	10.3	32.58	106	57	A	H
VHT40		5751.77	52.49	-15.71	68.2	42.3	32.2	10.51	32.52	106	57	P	H
CH 110		5458	51.41	-22.59	74	42.07	31.73	10.23	32.62	100	100	P	V
5550MHz		5460.16	51.6	-16.6	68.2	42.24	31.74	10.24	32.62	100	100	P	V
		5459.2	42.97	-11.03	54	33.62	31.74	10.23	32.62	100	100	A	V
	*	5550	106.38	-	-	96.86	31.8	10.3	32.58	100	100	P	V
	*	5550	98.73	-	-	89.21	31.8	10.3	32.58	100	100	A	V
		5730.35	50.35	-17.85	68.2	40.24	32.16	10.48	32.53	100	100	P	V

		5447.65	53.53	-20.47	74	44.22	31.7	10.23	32.62	100	90	P	H
		5466.2	49.95	-18.25	68.2	40.56	31.76	10.24	32.61	100	90	P	H
		5447.3	46.18	-7.82	54	36.88	31.69	10.23	32.62	100	90	A	H
	*	5670	113.14	-	-	103.34	31.92	10.42	32.54	100	90	P	H
802.11ac	*	5670	105.22	-	-	95.42	31.92	10.42	32.54	100	90	A	H
VHT40		5727.55	64.98	-3.22	68.2	54.87	32.16	10.48	32.53	100	90	P	H
CH 134		5444.85	52.43	-21.57	74	43.15	31.69	10.22	32.63	100	103	P	V
5670MHz		5465.85	48.84	-19.36	68.2	39.45	31.76	10.24	32.61	100	103	P	V
		5447.3	45.02	-8.98	54	35.72	31.69	10.23	32.62	100	103	A	V
	*	5670	108.62	-	-	98.82	31.92	10.42	32.54	100	103	P	V
	*	5670	100.76	-	-	90.96	31.92	10.42	32.54	100	103	A	V
		5727.725	60.22	-7.98	68.2	50.11	32.16	10.48	32.53	100	103	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	46.65	-27.35	74	50.41	39.92	17.5	61.18	100	0	P	H
		16530	47.33	-20.87	68.2	45.86	38.52	22.04	59.09	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	47.9	-26.1	74	51.66	39.92	17.5	61.18	100	0	P	V
5510MHz		16530	47.26	-20.94	68.2	45.79	38.52	22.04	59.09	100	0	P	V
													V
													V
		5776	62.63	-5.57	68.2	52.36	32.25	10.53	32.51	106	57	P	H
		11100	46.11	-27.89	74	50.17	39.6	17.59	61.25	100	0	P	H
802.11ac		16650	46.74	-21.46	68.2	44.8	38.95	22.16	59.17	100	0	P	H
VHT40													H
CH 110		11100	45.45	-28.55	74	49.51	39.6	17.59	61.25	100	0	P	V
5550MHz		16650	46.39	-21.81	68.2	44.45	38.95	22.16	59.17	100	0	P	V
		11100	45.45	-28.55	74	49.51	39.6	17.59	61.25	100	0	P	V
													V
		5896	59.17	-9.03	68.2	48.47	32.49	10.69	32.48	100	90	P	H
		5896	50.78	-3.22	54	40.08	32.49	10.69	32.48	100	90	A	H
802.11ac		11340	46.91	-27.09	74	50.99	39.52	17.86	61.46	100	0	P	H
VHT40		17010	49.05	-19.15	68.2	46.19	39.7	22.54	59.38	100	0	P	H
CH 134		5890	59.29	-8.91	68.2	48.6	32.48	10.69	32.48	100	266	P	V
5670MHz		5890	50.71	-3.29	54	40.02	32.48	10.69	32.48	100	266	A	V
		11340	46.67	-27.33	74	50.75	39.52	17.86	61.46	100	0	P	V
		17010	47.75	-20.45	68.2	44.89	39.7	22.54	59.38	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 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)
		5459.44	59.29	-14.71	74	49.94	31.74	10.23	32.62	100	61	P	H
		5465.68	59.83	-8.37	68.2	50.44	31.76	10.24	32.61	100	61	P	H
		5459.92	50	-4	54	40.65	31.74	10.23	32.62	100	61	A	H
	*	5530	106.52	-	-	96.97	31.84	10.29	32.58	100	61	P	H
802.11ac	*	5530	98.35	-	-	88.8	31.84	10.29	32.58	100	61	A	H
VHT80		5760.275	51.95	-16.25	68.2	41.73	32.22	10.52	32.52	100	61	P	H
CH 106		5455.36	55.44	-18.56	74	46.11	31.72	10.23	32.62	104	114	P	V
5530MHz		5469.28	56.51	-11.69	68.2	47.1	31.78	10.24	32.61	104	114	P	V
		5458.96	47.18	-6.82	54	37.83	31.74	10.23	32.62	104	114	A	V
	*	5530	102.68	-	-	93.13	31.84	10.29	32.58	104	114	P	V
	*	5530	94.88	-	-	85.33	31.84	10.29	32.58	104	114	A	V
		5757.125	50.53	-17.67	68.2	40.33	32.21	10.51	32.52	104	114	P	V
		5456.4	57.49	-16.51	74	48.15	31.73	10.23	32.62	100	63	P	H
		5467.6	59.95	-8.25	68.2	50.55	31.77	10.24	32.61	100	63	P	H
		5458.5	50.82	-3.18	54	41.48	31.73	10.23	32.62	100	63	A	H
	*	5610	110.5	-	-	100.83	31.88	10.35	32.56	100	63	P	H
802.11ac	*	5610	102.37	-	-	92.7	31.88	10.35	32.56	100	63	A	H
VHT80		5727.025	65.74	-2.46	68.2	55.64	32.15	10.48	32.53	100	63	P	H
CH 122		5459.2	54.46	-19.54	74	45.11	31.74	10.23	32.62	103	135	P	V
5610MHz		5464.8	57.08	-11.12	68.2	47.69	31.76	10.24	32.61	103	135	P	V
		5459.9	47.65	-6.35	54	38.3	31.74	10.23	32.62	103	135	A	V
	*	5610	107.5	-	-	97.83	31.88	10.35	32.56	103	135	P	V
	*	5610	99.67	-	-	90	31.88	10.35	32.56	103	135	A	V
		5731.575	62.12	-6.08	68.2	52.01	32.16	10.48	32.53	103	135	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	47.3	-26.7	74	51.2	39.76	17.55	61.21	100	0	P	H
		16590	46.75	-21.45	68.2	45.02	38.76	22.1	59.13	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.81	-26.19	74	51.71	39.76	17.55	61.21	100	0	P	V
5530MHz		16590	46.55	-21.65	68.2	44.82	38.76	22.1	59.13	100	0	P	V
													V
													V
		11220	47.87	-26.13	74	52.09	39.4	17.73	61.35	100	0	P	H
		16830	47.17	-21.03	68.2	44.29	39.83	22.34	59.29	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.62	-26.38	74	51.84	39.4	17.73	61.35	100	0	P	V
5610MHz		16830	47.25	-20.95	68.2	44.37	39.83	22.34	59.29	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

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5434.63	49.26	-24.74	74	40	31.67	10.22	32.63	100	63	P	H
		5461.54	49.7	-18.5	68.2	40.32	31.75	10.24	32.61	100	63	P	H
		5450.62	40.96	-13.04	54	31.65	31.7	10.23	32.62	100	63	A	H
	*	5720	114.63	-	-	104.55	32.14	10.47	32.53	100	63	P	H
	*	5720	106.51	-	-	96.43	32.14	10.47	32.53	100	63	A	H
		5941.5	53.29	-14.91	68.2	42.33	32.67	10.76	32.47	100	63	P	H
		5459.98	49.58	-24.42	74	40.23	31.74	10.23	32.62	100	117	P	V
		5460.37	49.63	-18.57	68.2	40.27	31.74	10.24	32.62	100	117	P	V
		5457.64	40.74	-13.26	54	31.4	31.73	10.23	32.62	100	117	A	V
	*	5720	107.63	-	-	97.55	32.14	10.47	32.53	100	117	P	V
	*	5720	99.5	-	-	89.42	32.14	10.47	32.53	100	117	A	V
		5865	51.34	-16.86	68.2	40.75	32.43	10.65	32.49	100	117	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	48.38	-25.62	74	52.29	39.66	17.98	61.55	100	0	P	H
		17160	48.25	-19.95	68.2	44.49	40	22.77	59.01	100	0	P	H
													H
													H
		11440	47.29	-26.71	74	51.2	39.66	17.98	61.55	100	0	P	V
		17160	48.63	-19.57	68.2	44.87	40	22.77	59.01	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)
802.11ac VHT20 CH 144 5720MHz		5425.27	49.43	-24.57	74	40.21	31.65	10.21	32.64	100	64	P	H
		5467	48.23	-19.97	68.2	38.83	31.77	10.24	32.61	100	64	P	H
		5455.3	41.01	-12.99	54	31.68	31.72	10.23	32.62	100	64	A	H
	*	5720	113.97	-	-	103.89	32.14	10.47	32.53	100	64	P	H
	*	5720	106.3	-	-	96.22	32.14	10.47	32.53	100	64	A	H
		5913.5	53.49	-14.71	68.2	42.69	32.55	10.72	32.47	100	64	P	H
		5456.47	49.63	-24.37	74	40.29	31.73	10.23	32.62	100	117	P	V
		5465.05	48.44	-19.76	68.2	39.05	31.76	10.24	32.61	100	117	P	V
		5439.7	40.71	-13.29	54	31.44	31.68	10.22	32.63	100	117	A	V
	*	5720	107.29	-	-	97.21	32.14	10.47	32.53	100	117	P	V
	*	5720	99.19	-	-	89.11	32.14	10.47	32.53	100	117	A	V
		5936.25	52.37	-15.83	68.2	41.44	32.65	10.75	32.47	100	117	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	47.52	-26.48	74	51.43	39.66	17.98	61.55	100	0	P	H
		17160	49.31	-18.89	68.2	45.55	40	22.77	59.01	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	47.88	-26.12	74	51.79	39.66	17.98	61.55	100	0	P	V
5720MHz		17160	49.92	-18.28	68.2	46.16	40	22.77	59.01	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		5458.03	50.39	-23.61	74	41.05	31.73	10.23	32.62	100	63	P	H
		5460.37	49.4	-18.8	68.2	40.04	31.74	10.24	32.62	100	63	P	H
		5452.57	42.72	-11.28	54	33.4	31.71	10.23	32.62	100	63	A	H
	*	5710	111.91	-	-	101.86	32.12	10.46	32.53	100	63	P	H
	*	5710	103.9	-	-	93.85	32.12	10.46	32.53	100	63	A	H
		5932.75	58.38	-9.82	68.2	47.47	32.63	10.75	32.47	100	63	P	H
		5422.15	49.34	-24.66	74	40.13	31.64	10.21	32.64	100	132	P	V
		5466.61	49.15	-19.05	68.2	39.75	31.77	10.24	32.61	100	132	P	V
		5456.08	41.47	-12.53	54	32.14	31.72	10.23	32.62	100	132	A	V
	*	5710	107.63	-	-	97.58	32.12	10.46	32.53	100	132	P	V
	*	5710	97.48	-	-	87.43	32.12	10.46	32.53	100	132	A	V
		5933.5	53.27	-14.93	68.2	42.36	32.63	10.75	32.47	100	132	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)
		11420	47.81	-26.19	74	51.71	39.68	17.95	61.53	100	0	P	H
		17130	48.44	-19.76	68.2	44.95	39.85	22.72	59.08	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	48.17	-25.83	74	52.07	39.68	17.95	61.53	100	0	P	V
5710MHz		17130	47.54	-20.66	68.2	44.05	39.85	22.72	59.08	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
802.11ac VHT80 CH 138 5690MHz		5452.18	49.63	-24.37	74	40.31	31.71	10.23	32.62	109	64	P	H
		5467.78	50.34	-17.86	68.2	40.94	31.77	10.24	32.61	109	64	P	H
		5449.45	41.63	-12.37	54	32.32	31.7	10.23	32.62	109	64	A	H
	*	5690	108.52	-	-	98.58	32.04	10.44	32.54	109	64	P	H
	*	5690	100.47	-	-	90.53	32.04	10.44	32.54	109	64	A	H
		5860	53.31	-14.89	68.2	42.74	32.42	10.64	32.49	109	64	P	H
		5452.96	50.22	-23.78	74	40.9	31.71	10.23	32.62	115	133	P	V
		5460.76	50.03	-18.17	68.2	40.67	31.74	10.24	32.62	115	133	P	V
		5444.38	41.17	-12.83	54	31.89	31.69	10.22	32.63	115	133	A	V
	*	5690	102.05	-	-	92.11	32.04	10.44	32.54	115	133	P	V
	*	5690	94.26	-	-	84.32	32.04	10.44	32.54	115	133	A	V
		5904.1	52.31	-15.89	68.2	41.56	32.52	10.71	32.48	115	133	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	47.19	-26.81	74	51.13	39.64	17.91	61.49	100	0	P	H
		17070	48.72	-19.48	68.2	45.62	39.7	22.63	59.23	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	47.48	-26.52	74	51.42	39.64	17.91	61.49	100	0	P	V
5690MHz		17070	48.66	-19.54	68.2	45.56	39.7	22.63	59.23	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 802.11a (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)
		87.23	27.09	-12.91	40	43.99	14.16	1.36	32.42	100	0	P	H
		148.34	28.13	-15.37	43.5	42	16.82	1.79	32.48	-	-	P	H
		162.89	28.85	-14.65	43.5	43.48	15.99	1.89	32.51	-	-	P	H
		868.08	29.45	-16.55	46	28.03	29.05	4.24	31.87	-	-	P	H
		939.86	30.35	-15.65	46	27.62	29.52	4.41	31.2	-	-	P	H
		950.53	31.98	-14.02	46	28.51	30.09	4.44	31.06	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		40.67	33.54	-6.46	40	46.25	18.85	0.92	32.48	100	0	P	V
		86.26	29.45	-10.55	40	46.46	14.05	1.36	32.42	-	-	P	V
		161.92	30.98	-12.52	43.5	45.54	16.06	1.89	32.51	-	-	P	V
		867.11	29.89	-16.11	46	28.48	29.04	4.24	31.87	-	-	P	V
		912.7	29.91	-16.09	46	28.26	28.87	4.34	31.56	-	-	P	V
		959.26	31.09	-14.91	46	26.94	30.64	4.46	30.95	-	-	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	57.87	-16.13	74	48.91	31.8	9.97	32.81	114	303	P	H
		5150	51.18	-2.82	54	42.22	31.8	9.97	32.81	114	303	A	H
	*	5180	114.78	-	-	105.94	31.62	10.01	32.79	114	303	P	H
	*	5180	108.72	-	-	99.88	31.62	10.01	32.79	114	303	A	H
													H
													H
		5147.16	56.04	-17.96	74	47.1	31.8	9.96	32.82	100	105	P	V
		5150	47.92	-6.08	54	38.96	31.8	9.97	32.81	100	105	A	V
	*	5180	110.86	-	-	102.02	31.62	10.01	32.79	100	105	P	V
	*	5180	103.56	-	-	94.72	31.62	10.01	32.79	100	105	A	V
													V
													V
802.11a CH 44 5220MHz		5147.16	51.27	-22.73	74	42.33	31.8	9.96	32.82	100	298	P	H
		5148.2	43.12	-10.88	54	34.18	31.8	9.96	32.82	100	298	A	H
	*	5220	114.77	-	-	106.02	31.46	10.06	32.77	100	298	P	H
	*	5220	107.47	-	-	98.72	31.46	10.06	32.77	100	298	A	H
		5456.23	49.35	-24.65	74	40.02	31.72	10.23	32.62	100	298	P	H
		5452.72	42.21	-11.79	54	32.89	31.71	10.23	32.62	100	298	A	H
		5102.7	50.56	-23.44	74	41.7	31.8	9.9	32.84	100	103	P	V
		5143.26	41.16	-12.84	54	32.22	31.8	9.96	32.82	100	103	A	V
	*	5220	110.22	-	-	101.47	31.46	10.06	32.77	100	103	P	V
	*	5220	102.81	-	-	94.06	31.46	10.06	32.77	100	103	A	V
		5380.9	49.37	-24.63	74	40.37	31.49	10.18	32.67	100	103	P	V
		5452.18	41.08	-12.92	54	31.76	31.71	10.23	32.62	100	103	A	V

802.11a CH 48 5240MHz		5102.44	50.09	-23.91	74	41.23	31.8	9.9	32.84	101	299	P	H
		5147.94	41.78	-12.22	54	32.84	31.8	9.96	32.82	101	299	A	H
	*	5240	114.13	-	-	105.4	31.42	10.07	32.76	101	299	P	H
	*	5240	107.03	-	-	98.3	31.42	10.07	32.76	101	299	A	H
		5357.14	50.7	-23.3	74	41.88	31.34	10.16	32.68	101	299	P	H
		5356.33	40.76	-13.24	54	31.94	31.34	10.16	32.68	101	299	A	H
		5148.46	49.47	-24.53	74	40.51	31.8	9.97	32.81	100	102	P	V
		5125.84	41.12	-12.88	54	32.22	31.8	9.93	32.83	100	102	A	V
	*	5240	110.69	-	-	101.96	31.42	10.07	32.76	100	102	P	V
	*	5240	102.68	-	-	93.95	31.42	10.07	32.76	100	102	A	V
		5406.82	49.41	-24.59	74	40.25	31.61	10.2	32.65	100	102	P	V
		5444.35	40.29	-13.71	54	31.01	31.69	10.22	32.63	100	102	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	46.88	-21.32	68.2	50.03	39.8	17.44	60.39	100	0	P	H
		15540	46.31	-27.69	74	48.12	37.84	21.62	61.27	100	0	P	H
													H
													H
		10360	45.79	-22.41	68.2	48.94	39.8	17.44	60.39	100	0	P	V
		15540	45.37	-28.63	74	47.18	37.84	21.62	61.27	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.64	-21.56	68.2	49.82	39.96	17.44	60.58	100	0	P	H
		15660	47.03	-26.97	74	49.02	37.42	21.6	61.01	100	0	P	H
													H
													H
		10440	47.53	-20.67	68.2	50.71	39.96	17.44	60.58	100	0	P	V
		15660	46.86	-27.14	74	48.85	37.42	21.6	61.01	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	45.6	-22.6	68.2	48.92	39.92	17.44	60.68	100	0	P	H
		15720	46.14	-27.86	74	48.17	37.28	21.57	60.88	100	0	P	H
													H
													H
		10480	47.15	-21.05	68.2	50.47	39.92	17.44	60.68	100	0	P	V
		15720	46.97	-27.03	74	49	37.28	21.57	60.88	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)
		5149.5	57.7	-16.3	74	48.74	31.8	9.97	32.81	100	300	P	H
		5150	49.76	-4.24	54	40.8	31.8	9.97	32.81	100	300	A	H
	*	5180	115.56	-	-	106.72	31.62	10.01	32.79	100	300	P	H
	*	5180	107.2	-	-	98.36	31.62	10.01	32.79	100	300	A	H
802.11ac													H
VHT20													H
CH 36		5148.46	53.23	-20.77	74	44.27	31.8	9.97	32.81	100	105	P	V
5180MHz		5150	45.6	-8.4	54	36.64	31.8	9.97	32.81	100	105	A	V
	*	5180	109.81	-	-	100.97	31.62	10.01	32.79	100	105	P	V
	*	5180	102.05	-	-	93.21	31.62	10.01	32.79	100	105	A	V
													V
													V
		5147.94	50.9	-23.1	74	41.96	31.8	9.96	32.82	106	304	P	H
		5145.86	42.75	-11.25	54	33.81	31.8	9.96	32.82	106	304	A	H
	*	5220	114.3	-	-	105.55	31.46	10.06	32.77	106	304	P	H
	*	5220	106.26	-	-	97.51	31.46	10.06	32.77	106	304	A	H
802.11ac		5371.72	50.18	-23.82	74	41.25	31.43	10.17	32.67	106	304	P	H
VHT20		5452.72	40.85	-13.15	54	31.53	31.71	10.23	32.62	106	304	A	H
CH 44		5048.36	49.55	-24.45	74	41.12	31.49	9.82	32.88	100	96	P	V
5220MHz		5149.76	41.75	-12.25	54	32.79	31.8	9.97	32.81	100	96	A	V
	*	5220	109.45	-	-	100.7	31.46	10.06	32.77	100	96	P	V
	*	5220	101.73	-	-	92.98	31.46	10.06	32.77	100	96	A	V
		5367.4	49.41	-24.59	74	40.51	31.4	10.17	32.67	100	96	P	V
		5452.99	40.73	-13.27	54	31.41	31.71	10.23	32.62	100	96	A	V

		5109.46	49.81	-24.19	74	40.94	31.8	9.91	32.84	100	303	P	H
		5146.9	41.69	-12.31	54	32.75	31.8	9.96	32.82	100	303	A	H
	*	5240	113.79	-	-	105.06	31.42	10.07	32.76	100	303	P	H
	*	5240	106.12	-	-	97.39	31.42	10.07	32.76	100	303	A	H
802.11ac		5379.28	49.39	-24.61	74	40.41	31.48	10.17	32.67	100	303	P	H
VHT20		5452.72	40.88	-13.12	54	31.56	31.71	10.23	32.62	100	303	A	H
CH 48		5120.64	49.97	-24.03	74	41.08	31.8	9.92	32.83	100	102	P	V
5240MHz		5109.2	41.12	-12.88	54	32.25	31.8	9.91	32.84	100	102	A	V
	*	5240	109.35	-	-	100.62	31.42	10.07	32.76	100	102	P	V
	*	5240	101.5	-	-	92.77	31.42	10.07	32.76	100	102	A	V
		5371.99	49.07	-24.93	74	40.14	31.43	10.17	32.67	100	102	P	V
		5459.2	40.29	-13.71	54	30.94	31.74	10.23	32.62	100	102	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	45.43	-22.77	68.2	48.58	39.8	17.44	60.39	100	0	P	H
		15540	46.61	-27.39	74	48.42	37.84	21.62	61.27	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	45.99	-22.21	68.2	49.14	39.8	17.44	60.39	100	0	P	V
5180MHz		15540	45.62	-28.38	74	47.43	37.84	21.62	61.27	100	0	P	V
													V
													V
		10440	47.6	-20.6	68.2	50.78	39.96	17.44	60.58	100	0	P	H
		15660	45.97	-28.03	74	47.96	37.42	21.6	61.01	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	48.42	-19.78	68.2	51.6	39.96	17.44	60.58	100	0	P	V
5220MHz		15660	46.46	-27.54	74	48.45	37.42	21.6	61.01	100	0	P	V
													V
													V
		10480	45.35	-22.85	68.2	48.67	39.92	17.44	60.68	100	0	P	H
		15720	45.72	-28.28	74	47.75	37.28	21.57	60.88	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	45.19	-23.01	68.2	48.51	39.92	17.44	60.68	100	0	P	V
5240MHz		15720	46.33	-27.67	74	48.36	37.28	21.57	60.88	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)
		5146.38	60.65	-13.35	74	51.71	31.8	9.96	32.82	100	300	P	H
		5146.64	52.24	-1.76	54	43.3	31.8	9.96	32.82	100	300	A	H
	*	5190	110.73	-	-	101.93	31.56	10.03	32.79	100	300	P	H
	*	5190	104.09	-	-	95.29	31.56	10.03	32.79	100	300	A	H
802.11ac		5413.8	56.39	-17.61	74	47.21	31.63	10.2	32.65	100	300	P	H
VHT40		5417.16	47.18	-6.82	54	37.99	31.63	10.2	32.64	100	300	A	H
CH 38		5147.16	56.93	-17.07	74	47.99	31.8	9.96	32.82	100	104	P	V
5190MHz		5145.6	47.69	-6.31	54	38.75	31.8	9.96	32.82	100	104	A	V
	*	5190	106.74	-	-	97.94	31.56	10.03	32.79	100	104	P	V
	*	5190	98.63	-	-	89.83	31.56	10.03	32.79	100	104	A	V
		5412.68	52.53	-21.47	74	43.35	31.63	10.2	32.65	100	104	P	V
		5414.64	45.81	-8.19	54	36.62	31.63	10.2	32.64	100	104	A	V
		5139.06	50.49	-23.51	74	41.56	31.8	9.95	32.82	100	300	P	H
		5147.56	44.42	-9.58	54	35.48	31.8	9.96	32.82	100	300	A	H
	*	5230	111.88	-	-	103.14	31.44	10.06	32.76	100	300	P	H
	*	5230	104.23	-	-	95.49	31.44	10.06	32.76	100	300	A	H
802.11ac		5452.8	56.16	-17.84	74	46.84	31.71	10.23	32.62	100	300	P	H
VHT40		5452.8	50.78	-3.22	54	41.46	31.71	10.23	32.62	100	300	A	H
CH 46		5145.86	50.19	-23.81	74	41.25	31.8	9.96	32.82	100	103	P	V
5230MHz		5113.22	42.26	-11.74	54	33.39	31.8	9.91	32.84	100	103	A	V
	*	5230	108.46	-	-	99.72	31.44	10.06	32.76	100	103	P	V
	*	5230	100.03	-	-	91.29	31.44	10.06	32.76	100	103	A	V
		5452.8	54.11	-19.89	74	44.79	31.71	10.23	32.62	100	103	P	V
		5454	47.47	-6.53	54	38.14	31.72	10.23	32.62	100	103	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	45.47	-22.73	68.2	48.56	39.9	17.44	60.43	100	0	P	H
		15570	46.89	-27.11	74	48.75	37.72	21.62	61.2	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	45.64	-22.56	68.2	48.73	39.9	17.44	60.43	100	0	P	V
5190MHz		15570	45.84	-28.16	74	47.7	37.72	21.62	61.2	100	0	P	V
													V
													V
		10460	45.82	-22.38	68.2	49.07	39.94	17.44	60.63	100	0	P	H
		15690	45.25	-28.75	74	47.28	37.33	21.59	60.95	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	44.73	-23.47	68.2	47.98	39.94	17.44	60.63	100	0	P	V
5230MHz		15690	45.61	-28.39	74	47.64	37.33	21.59	60.95	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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		5132.6	58.35	-15.65	74	49.44	31.8	9.94	32.83	100	298	P	H
		5137.36	50.76	-3.24	54	41.83	31.8	9.95	32.82	100	298	A	H
	*	5210	108.97	-	-	100.22	31.48	10.05	32.78	100	298	P	H
	*	5210	100.22	-	-	91.47	31.48	10.05	32.78	100	298	A	H
		5443.88	50.03	-23.97	74	40.75	31.69	10.22	32.63	100	298	P	H
		5354.96	42.42	-11.58	54	33.61	31.33	10.16	32.68	100	298	A	H
		5136	52.94	-21.06	74	44.01	31.8	9.95	32.82	100	106	P	V
		5135.32	45.08	-8.92	54	36.15	31.8	9.95	32.82	100	106	A	V
	*	5210	103.09	-	-	94.34	31.48	10.05	32.78	100	106	P	V
	*	5210	94.88	-	-	86.13	31.48	10.05	32.78	100	106	A	V
		5423.86	49.3	-24.7	74	40.08	31.65	10.21	32.64	100	106	P	V
		5449.34	41.31	-12.69	54	32	31.7	10.23	32.62	100	106	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	46.13	-22.07	68.2	49.24	39.98	17.44	60.53	100	0	P	H
		15630	46.64	-27.36	74	48.6	37.51	21.6	61.07	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	45.43	-22.77	68.2	48.54	39.98	17.44	60.53	100	0	P	V
5210MHz		15630	45.82	-28.18	74	47.78	37.51	21.6	61.07	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 802.11a (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)
802.11a CH 52 5260MHz		5131.92	49.96	-24.04	74	41.05	31.8	9.94	32.83	100	298	P	H
		5124.78	41.3	-12.7	54	32.4	31.8	9.93	32.83	100	298	A	H
	*	5260	114.17	-	-	105.42	31.4	10.09	32.74	100	298	P	H
	*	5260	107.12	-	-	98.37	31.4	10.09	32.74	100	298	A	H
		5425.2	49.11	-24.89	74	39.89	31.65	10.21	32.64	100	298	P	H
		5351.52	41.42	-12.58	54	32.65	31.31	10.15	32.69	100	298	A	H
		5133.62	50.07	-23.93	74	41.15	31.8	9.94	32.82	100	101	P	V
		5059.84	40.96	-13.04	54	32.43	31.56	9.84	32.87	100	101	A	V
	*	5260	110.94	-	-	102.19	31.4	10.09	32.74	100	101	P	V
	*	5260	103.27	-	-	94.52	31.4	10.09	32.74	100	101	A	V
		5355.6	49.45	-24.55	74	40.64	31.33	10.16	32.68	100	101	P	V
		5414.64	40.61	-13.39	54	31.42	31.63	10.2	32.64	100	101	A	V
802.11a CH 60 5300MHz		5098.94	51.81	-22.19	74	42.98	31.79	9.89	32.85	100	298	P	H
		5106.76	41.18	-12.82	54	32.32	31.8	9.9	32.84	100	298	A	H
	*	5300	113.78	-	-	104.99	31.4	10.11	32.72	100	298	P	H
	*	5300	106.83	-	-	98.04	31.4	10.11	32.72	100	298	A	H
		5351.28	53.61	-20.39	74	44.84	31.31	10.15	32.69	100	298	P	H
		5351.52	45.09	-8.91	54	36.32	31.31	10.15	32.69	100	298	A	H
		5080.24	50.21	-23.79	74	41.52	31.68	9.87	32.86	105	101	P	V
		5082.96	41.11	-12.89	54	32.4	31.7	9.87	32.86	105	101	A	V
	*	5300	110.99	-	-	102.2	31.4	10.11	32.72	105	101	P	V
	*	5300	103.4	-	-	94.61	31.4	10.11	32.72	105	101	A	V
		5357.52	51.92	-22.08	74	43.09	31.35	10.16	32.68	105	101	P	V
		5352.96	43.19	-10.81	54	34.4	31.32	10.15	32.68	105	101	A	V

802.11a CH 64 5320MHz	*	5320	114.74	-	-	105.96	31.35	10.13	32.7	100	299	P	H
	*	5320	107.69	-	-	98.91	31.35	10.13	32.7	100	299	A	H
		5352.48	57.49	-16.51	74	48.71	31.31	10.15	32.68	100	299	P	H
		5352.16	49.73	-4.27	54	40.95	31.31	10.15	32.68	100	299	A	H
													H
													H
	*	5320	110.38	-	-	101.59	31.37	10.13	32.71	100	103	P	V
	*	5320	103.79	-	-	95	31.37	10.13	32.71	100	103	A	V
		5351.84	54.91	-19.09	74	46.13	31.31	10.15	32.68	100	103	P	V
		5350.88	48.06	-5.94	54	39.29	31.31	10.15	32.69	100	103	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	44.94	-23.26	68.2	48.33	39.9	17.46	60.75	100	0	P	H
		15780	45.37	-28.63	74	47.35	37.22	21.56	60.76	100	0	P	H
													H
													H
		10520	43.34	-24.86	68.2	46.73	39.9	17.46	60.75	100	0	P	V
		15780	45.75	-28.25	74	47.73	37.22	21.56	60.76	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.31	-26.69	74	50.77	39.9	17.46	60.82	100	0	P	H
		15900	45.12	-28.88	74	47.19	36.9	21.53	60.5	100	0	P	H
													H
													H
		10600	48.26	-25.74	74	51.72	39.9	17.46	60.82	100	0	P	V
		15900	45.69	-28.31	74	47.76	36.9	21.53	60.5	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	44.53	-29.47	74	48.1	39.82	17.46	60.85	100	0	P	H
		15960	43.56	-30.44	74	45.64	36.78	21.51	60.37	100	0	P	H
													H
													H
		10640	45.02	-28.98	74	48.59	39.82	17.46	60.85	100	0	P	V
		15960	45.18	-28.82	74	47.26	36.78	21.51	60.37	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)
		5145.18	51.07	-22.93	74	42.13	31.8	9.96	32.82	100	303	P	H
		5145.18	41.45	-12.55	54	32.51	31.8	9.96	32.82	100	303	A	H
	*	5260	114.19	-	-	105.44	31.4	10.09	32.74	100	303	P	H
	*	5260	106.18	-	-	97.43	31.4	10.09	32.74	100	303	A	H
802.11ac		5380.8	49.34	-24.66	74	40.35	31.48	10.18	32.67	100	303	P	H
VHT20		5351.52	41.49	-12.51	54	32.72	31.31	10.15	32.69	100	303	A	H
CH 52		5037.74	49.53	-24.47	74	41.17	31.45	9.8	32.89	100	94	P	V
5260MHz		5087.38	41.13	-12.87	54	32.38	31.72	9.88	32.85	100	94	A	V
	*	5260	111.07	-	-	102.32	31.4	10.09	32.74	100	94	P	V
	*	5260	102.41	-	-	93.66	31.4	10.09	32.74	100	94	A	V
		5417.76	49.48	-24.52	74	40.28	31.64	10.2	32.64	100	94	P	V
		5451.6	40.45	-13.55	54	31.13	31.71	10.23	32.62	100	94	A	V
		5137.02	49.82	-24.18	74	40.89	31.8	9.95	32.82	100	304	P	H
		5074.8	41.26	-12.74	54	32.61	31.65	9.86	32.86	100	304	A	H
	*	5300	114.03	-	-	105.24	31.4	10.11	32.72	100	304	P	H
	*	5300	105.8	-	-	97.01	31.4	10.11	32.72	100	304	A	H
802.11ac		5352.48	52.62	-21.38	74	43.84	31.31	10.15	32.68	100	304	P	H
VHT20		5353.44	44.75	-9.25	54	35.95	31.32	10.16	32.68	100	304	A	H
CH 60		5125.12	49.44	-24.56	74	40.54	31.8	9.93	32.83	104	94	P	V
5300MHz		5105.06	41.07	-12.93	54	32.21	31.8	9.9	32.84	104	94	A	V
	*	5300	110.68	-	-	101.89	31.4	10.11	32.72	104	94	P	V
	*	5300	102.79	-	-	94	31.4	10.11	32.72	104	94	A	V
		5367.36	50.29	-23.71	74	41.39	31.4	10.17	32.67	104	94	P	V
		5352.48	42.9	-11.1	54	34.12	31.31	10.15	32.68	104	94	A	V

	*	5320	114.23	-	-	105.44	31.37	10.13	32.71	117	305	P	H
	*	5320	105.6	-	-	96.81	31.37	10.13	32.71	117	305	A	H
		5351.36	57.37	-16.63	74	48.6	31.31	10.15	32.69	117	305	P	H
		5350.72	50.73	-3.27	54	41.97	31.3	10.15	32.69	117	305	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	110.51	-	-	101.72	31.37	10.13	32.71	104	110	P	V
5320MHz	*	5320	103.67	-	-	94.88	31.37	10.13	32.71	104	110	A	V
		5351.04	56.32	-17.68	74	47.55	31.31	10.15	32.69	104	110	P	V
		5350.08	48.17	-5.83	54	39.41	31.3	10.15	32.69	104	110	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	44.45	-23.75	68.2	47.84	39.9	17.46	60.75	100	0	P	H
		15780	45.03	-28.97	74	47.01	37.22	21.56	60.76	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	44.59	-23.61	68.2	47.98	39.9	17.46	60.75	100	0	P	V
5260MHz		15780	45.89	-28.11	74	47.87	37.22	21.56	60.76	100	0	P	V
													V
													V
		10600	47.43	-26.57	74	50.89	39.9	17.46	60.82	100	0	P	H
		15900	45.11	-28.89	74	47.18	36.9	21.53	60.5	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	47.78	-26.22	74	51.24	39.9	17.46	60.82	10	0	P	V
5300MHz		15900	44.8	-29.2	74	46.87	36.9	21.53	60.5	100	0	P	V
													V
													V
		10640	43.82	-30.18	74	47.39	39.82	17.46	60.85	100	0	P	H
		15960	44.48	-29.52	74	46.56	36.78	21.51	60.37	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	43.52	-30.48	74	47.09	39.82	17.46	60.85	100	0	P	V
5320MHz		15960	44.33	-29.67	74	46.41	36.78	21.51	60.37	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)
		5134.3	51.13	-22.87	74	42.21	31.8	9.94	32.82	100	300	P	H
		5047.94	44.37	-9.63	54	35.94	31.49	9.82	32.88	100	300	A	H
	*	5270	111.57	-	-	102.82	31.4	10.09	32.74	100	300	P	H
	*	5270	103.99	-	-	95.24	31.4	10.09	32.74	100	300	A	H
802.11ac		5350.8	52.77	-21.23	74	44.01	31.3	10.15	32.69	100	300	P	H
VHT40		5351.52	44.08	-9.92	54	35.31	31.31	10.15	32.69	100	300	A	H
CH 54		5133.62	49.35	-24.65	74	40.43	31.8	9.94	32.82	100	101	P	V
5270MHz		5042.5	41.34	-12.66	54	32.94	31.47	9.81	32.88	100	101	A	V
	*	5270	107.13	-	-	98.38	31.4	10.09	32.74	100	101	P	V
	*	5270	98.87	-	-	90.12	31.4	10.09	32.74	100	101	A	V
		5351.52	49.81	-24.19	74	41.04	31.31	10.15	32.69	100	101	P	V
		5353.2	42.54	-11.46	54	33.75	31.32	10.15	32.68	100	101	A	V
		5087.04	51.18	-22.82	74	42.43	31.72	9.88	32.85	100	299	P	H
		5087.72	45.6	-8.4	54	36.84	31.73	9.88	32.85	100	299	A	H
	*	5310	110.7	-	-	101.91	31.38	10.12	32.71	100	299	P	H
	*	5310	101.85	-	-	93.06	31.38	10.12	32.71	100	299	A	H
802.11ac		5350.56	59.48	-14.52	74	50.72	31.3	10.15	32.69	100	299	P	H
VHT40		5351.52	51.7	-2.3	54	42.93	31.31	10.15	32.69	100	299	A	H
CH 62		5004.42	49.98	-24.02	74	41.81	31.32	9.76	32.91	100	102	P	V
5310MHz		5082.96	42.61	-11.39	54	33.9	31.7	9.87	32.86	100	102	A	V
	*	5310	106.32	-	-	97.53	31.38	10.12	32.71	100	102	P	V
	*	5310	97.96	-	-	89.17	31.38	10.12	32.71	100	102	A	V
		5354.64	58.66	-15.34	74	49.85	31.33	10.16	32.68	100	102	P	V
		5353.92	48.41	-5.59	54	39.61	31.32	10.16	32.68	100	102	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	44.89	-23.31	68.2	48.29	39.9	17.46	60.76	100	0	P	H
		15810	45.24	-28.76	74	47.21	37.17	21.55	60.69	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	44.85	-23.35	68.2	48.25	39.9	17.46	60.76	100	0	P	V
5270MHz		15810	45.36	-28.64	74	47.33	37.17	21.55	60.69	100	0	P	V
													V
													V
		10620	43.54	-30.46	74	47.05	39.86	17.46	60.83	100	0	P	H
		15930	44.4	-29.6	74	46.48	36.84	21.52	60.44	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	43.46	-30.54	74	46.97	39.86	17.46	60.83	100	0	P	V
5310MHz		15930	44.47	-29.53	74	46.55	36.84	21.52	60.44	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)
		5117.3	50.75	-23.25	74	41.86	31.8	9.92	32.83	106	300	P	H
		5129	42.44	-11.56	54	33.53	31.8	9.94	32.83	106	300	A	H
	*	5290	105.25	-	-	96.46	31.4	10.11	32.72	106	300	P	H
	*	5290	97.14	-	-	88.35	31.4	10.11	32.72	106	300	A	H
802.11ac		5364.96	59.48	-14.52	74	50.61	31.39	10.16	32.68	106	300	P	H
VHT80		5354.4	51.82	-2.18	54	43.01	31.33	10.16	32.68	106	300	A	H
CH 58		5142.8	50.09	-23.91	74	41.15	31.8	9.96	32.82	100	103	P	V
5290MHz		5102.3	42.09	-11.91	54	33.23	31.8	9.9	32.84	100	103	A	V
	*	5290	101.22	-	-	92.43	31.37	10.13	32.71	100	103	P	V
	*	5290	92.82	-	-	84.03	31.37	10.13	32.71	100	103	A	V
		5355.12	55.94	-18.06	74	47.13	31.33	10.16	32.68	100	103	P	V
		5355.36	48.01	-5.99	54	39.2	31.33	10.16	32.68	100	103	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	44.06	-24.14	68.2	47.5	39.9	17.46	60.8	100	0	P	H
		15870	44.48	-29.52	74	46.52	36.99	21.54	60.57	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	44.15	-24.05	68.2	47.59	39.9	17.46	60.8	100	0	P	V
5290MHz		15870	43.66	-30.34	74	45.7	36.99	21.54	60.57	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 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		5456.88	56.86	-17.14	74	47.52	31.73	10.23	32.62	100	301	P	H
		5469.36	63.31	-4.89	68.2	53.9	31.78	10.24	32.61	100	301	P	H
		5459.76	47.96	-6.04	54	38.61	31.74	10.23	32.62	100	301	A	H
	*	5500	116.39	-	-	106.82	31.9	10.26	32.59	100	301	P	H
	*	5500	109.1	-	-	99.53	31.9	10.26	32.59	100	301	A	H
													H
		5457.68	56.12	-17.88	74	46.78	31.73	10.23	32.62	100	110	P	V
		5467.12	63.25	-4.95	68.2	53.85	31.77	10.24	32.61	100	110	P	V
		5460	47.68	-6.32	54	38.33	31.74	10.23	32.62	100	110	A	V
	*	5500	114.51	-	-	104.94	31.9	10.26	32.59	100	110	P	V
	*	5500	107.07	-	-	97.5	31.9	10.26	32.59	100	110	A	V
													V
802.11a CH 116 5580MHz		5413.6	50.44	-23.56	74	41.26	31.63	10.2	32.65	100	65	P	H
		5464.96	51.19	-17.01	68.2	41.8	31.76	10.24	32.61	100	65	P	H
		5459.92	41.07	-12.93	54	31.72	31.74	10.23	32.62	100	65	A	H
	*	5580	115.74	-	-	106.13	31.86	10.32	32.57	100	65	P	H
	*	5580	108.04	-	-	98.43	31.86	10.32	32.57	100	65	A	H
		5750.825	51.93	-16.27	68.2	41.74	32.2	10.51	32.52	100	65	P	H
		5457.28	49.81	-24.19	74	40.47	31.73	10.23	32.62	100	103	P	V
		5466.16	50.66	-17.54	68.2	41.27	31.76	10.24	32.61	100	103	P	V
		5454.4	40.75	-13.25	54	31.42	31.72	10.23	32.62	100	103	A	V
	*	5580	112.57	-	-	102.96	31.86	10.32	32.57	100	103	P	V
	*	5580	104.69	-	-	95.08	31.86	10.32	32.57	100	103	A	V
		5755.55	50.61	-17.59	68.2	40.41	32.21	10.51	32.52	100	103	P	V

802.11a CH 140 5700MHz	*	5700	116.11	-	-	106.09	32.1	10.45	32.53	110	62	P	H
	*	5700	108.85	-	-	98.83	32.1	10.45	32.53	110	62	A	H
		5729.72	63.13	-5.07	68.2	53.02	32.16	10.48	32.53	110	62	P	H
													H
													H
													H
	*	5700	112.48	-	-	102.46	32.1	10.45	32.53	100	108	P	V
	*	5700	104.82	-	-	94.8	32.1	10.45	32.53	100	108	A	V
		5725.56	58.74	-9.46	68.2	48.64	32.15	10.48	32.53	100	108	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	45.85	-28.15	74	49.53	40	17.48	61.16	100	0	P	H
		16500	46.23	-21.97	68.2	44.89	38.4	22.01	59.07	100	0	P	H
													H
													H
		11000	44.86	-29.14	74	48.54	40	17.48	61.16	100	0	P	V
		16500	46.78	-21.42	68.2	45.44	38.4	22.01	59.07	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	49.13	-24.87	74	53.29	39.48	17.66	61.3	100	0	P	H
		16740	47.89	-20.31	68.2	45.48	39.38	22.26	59.23	100	0	P	H
													H
													H
		11160	48.27	-25.73	74	52.43	39.48	17.66	61.3	100	0	P	V
		16740	48.47	-19.73	68.2	46.06	39.38	22.26	59.23	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	46.24	-27.76	74	50.12	39.7	17.93	61.51	100	0	P	H
		17100	47.68	-20.52	68.2	44.46	39.7	22.67	59.15	100	0	P	H
													H
													H
		11400	46.83	-27.17	74	50.71	39.7	17.93	61.51	100	0	P	V
		17100	48.17	-20.03	68.2	44.95	39.7	22.67	59.15	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)
		5457.04	57.94	-16.06	74	48.6	31.73	10.23	32.62	105	304	P	H
		5466.96	64.84	-3.36	68.2	55.44	31.77	10.24	32.61	105	304	P	H
		5459.92	47.27	-6.73	54	37.92	31.74	10.23	32.62	105	304	A	H
	*	5500	116.2	-	-	106.63	31.9	10.26	32.59	105	304	P	H
802.11ac	*	5500	108.35	-	-	98.78	31.9	10.26	32.59	105	304	A	H
VHT20													H
CH 100		5458.96	56.01	-17.99	74	46.66	31.74	10.23	32.62	100	108	P	V
5500MHz		5469.52	63.85	-4.35	68.2	54.44	31.78	10.24	32.61	100	108	P	V
		5459.6	46.88	-7.12	54	37.53	31.74	10.23	32.62	100	108	A	V
	*	5500	113.52	-	-	103.95	31.9	10.26	32.59	100	108	P	V
	*	5500	105.81	-	-	96.24	31.9	10.26	32.59	100	108	A	V
													V
		5421.04	50.82	-23.18	74	41.61	31.64	10.21	32.64	100	64	P	H
		5460	49.9	-18.3	68.2	40.55	31.74	10.23	32.62	100	64	P	H
		5459.2	41.19	-12.81	54	31.84	31.74	10.23	32.62	100	64	A	H
	*	5580	115.16	-	-	105.55	31.86	10.32	32.57	100	64	P	H
802.11ac	*	5580	106.86	-	-	97.25	31.86	10.32	32.57	100	64	A	H
VHT20		5741.375	51	-17.2	68.2	40.84	32.18	10.5	32.52	100	64	P	H
CH 116		5430.16	49.95	-24.05	74	40.71	31.66	10.21	32.63	100	104	P	V
5580MHz		5469.28	49.88	-18.32	68.2	40.47	31.78	10.24	32.61	100	104	P	V
		5457.04	40.86	-13.14	54	31.52	31.73	10.23	32.62	100	104	A	V
	*	5580	111.43	-	-	101.82	31.86	10.32	32.57	100	104	P	V
	*	5580	104.2	-	-	94.59	31.86	10.32	32.57	100	104	A	V
		5762.795	50.67	-17.53	68.2	40.44	32.23	10.52	32.52	100	104	P	V

	*	5700	116.05	-	-	106.03	32.1	10.45	32.53	110	63	P	H
	*	5700	108.45	-	-	98.43	32.1	10.45	32.53	110	63	A	H
		5725	66	-2.2	68.2	55.9	32.15	10.48	32.53	110	63	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	111.61	-	-	101.59	32.1	10.45	32.53	103	111	P	V
5700MHz	*	5700	104.01	-	-	93.99	32.1	10.45	32.53	103	111	A	V
		5725	58.4	-9.8	68.2	48.3	32.15	10.48	32.53	103	111	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	45.39	-28.61	74	49.07	40	17.48	61.16	100	0	P	H
		16500	47.21	-20.99	68.2	45.87	38.4	22.01	59.07	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	45.82	-28.18	74	49.5	40	17.48	61.16	100	0	P	V
5500MHz		16500	47.43	-20.77	68.2	46.09	38.4	22.01	59.07	100	0	P	V
													V
													V
		11160	46.91	-27.09	74	51.07	39.48	17.66	61.3	100	0	P	H
		16740	47.74	-20.46	68.2	45.33	39.38	22.26	59.23	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	47.21	-26.79	74	51.37	39.48	17.66	61.3	100	0	P	V
5580MHz		16740	47.92	-20.28	68.2	45.51	39.38	22.26	59.23	100	0	P	V
													V
													V
		11400	45.82	-28.18	74	49.7	39.7	17.93	61.51	100	0	P	H
		17100	47.78	-20.42	68.2	44.56	39.7	22.67	59.15	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	45.17	-28.83	74	49.05	39.7	17.93	61.51	100	0	P	V
5700MHz		17100	46.53	-21.67	68.2	43.31	39.7	22.67	59.15	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)
		5456.56	57.9	-16.1	74	48.56	31.73	10.23	32.62	104	300	P	H
		5469.76	63.09	-5.11	68.2	53.68	31.78	10.24	32.61	104	300	P	H
		5459.92	48.26	-5.74	54	38.91	31.74	10.23	32.62	104	300	A	H
	*	5510	111.42	-	-	101.86	31.88	10.27	32.59	104	300	P	H
802.11ac	*	5510	103.86	-	-	94.3	31.88	10.27	32.59	104	300	A	H
VHT40		5732.87	55.6	-12.6	68.2	45.46	32.17	10.49	32.52	104	300	P	H
CH 102		5459.92	57.09	-16.91	74	47.74	31.74	10.23	32.62	100	109	P	V
5510MHz		5465.68	62.03	-6.17	68.2	52.64	31.76	10.24	32.61	100	109	P	V
		5459.92	48.9	-5.1	54	39.55	31.74	10.23	32.62	100	109	A	V
	*	5510	109.77	-	-	100.21	31.88	10.27	32.59	100	109	P	V
	*	5510	101.84	-	-	92.28	31.88	10.27	32.59	100	109	A	V
		5732.87	54.63	-13.57	68.2	44.49	32.17	10.49	32.52	100	109	P	V
		5457.52	51.93	-22.07	74	42.59	31.73	10.23	32.62	103	301	P	H
		5468.8	51.01	-17.19	68.2	41.6	31.78	10.24	32.61	103	301	P	H
		5459.92	43.01	-10.99	54	33.66	31.74	10.23	32.62	103	301	A	H
	*	5554	110.9	-	-	101.35	31.81	10.31	32.57	103	301	P	H
802.11ac	*	5554	104.04	-	-	94.49	31.81	10.31	32.57	103	301	A	H
VHT40		5735.705	50.35	-17.85	68.2	40.21	32.17	10.49	32.52	103	301	P	H
CH 110		5362.48	49.84	-24.16	74	40.99	31.37	10.16	32.68	100	95	P	V
5550MHz		5464.96	51.16	-17.04	68.2	41.77	31.76	10.24	32.61	100	95	P	V
		5453.68	42.17	-11.83	54	32.85	31.71	10.23	32.62	100	95	A	V
	*	5550	108.75	-	-	99.23	31.8	10.3	32.58	100	95	P	V
	*	5550	101.29	-	-	91.77	31.8	10.3	32.58	100	95	A	V
		5747.045	51.11	-17.09	68.2	40.94	32.19	10.5	32.52	100	95	P	V

		5448	54.35	-19.65	74	45.04	31.7	10.23	32.62	100	92	P	H
		5460	49.06	-19.14	68.2	39.71	31.74	10.23	32.62	100	92	P	H
		5447.65	47.56	-6.44	54	38.25	31.7	10.23	32.62	100	92	A	H
	*	5670	115.27	-	-	105.47	31.92	10.42	32.54	100	92	P	H
802.11ac	*	5670	107.27	-	-	97.47	31.92	10.42	32.54	100	92	A	H
VHT40		5728.25	65.41	-2.79	68.2	55.3	32.16	10.48	32.53	100	92	P	H
CH 134		5447.3	51.23	-22.77	74	41.93	31.69	10.23	32.62	100	103	P	V
5670MHz		5465.15	49	-19.2	68.2	39.61	31.76	10.24	32.61	100	103	P	V
		5447.3	44.96	-9.04	54	35.66	31.69	10.23	32.62	100	103	A	V
	*	5670	109.47	-	-	99.67	31.92	10.42	32.54	100	103	P	V
	*	5670	101.28	-	-	91.48	31.92	10.42	32.54	100	103	A	V
		5727.025	56.05	-12.15	68.2	45.95	32.15	10.48	32.53	100	103	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	45.65	-28.35	74	49.41	39.92	17.5	61.18	100	0	P	H
		16530	46.43	-21.77	68.2	44.96	38.52	22.04	59.09	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	45.95	-28.05	74	49.71	39.92	17.5	61.18	100	0	P	V
5510MHz		16530	46.3	-21.9	68.2	44.83	38.52	22.04	59.09	100	0	P	V
													V
													V
		11100	45.18	-28.82	74	49.24	39.6	17.59	61.25	100	0	P	H
		16650	46.92	-21.28	68.2	44.98	38.95	22.16	59.17	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	44.58	-29.42	74	48.64	39.6	17.59	61.25	100	0	P	V
5550MHz		16650	47.43	-20.77	68.2	45.49	38.95	22.16	59.17	100	0	P	V
													V
													V
		11340	45.89	-28.11	74	49.97	39.52	17.86	61.46	100	0	P	H
		17010	46.85	-21.35	68.2	43.99	39.7	22.54	59.38	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	46.85	-27.15	74	50.93	39.52	17.86	61.46	100	0	P	V
5670MHz		17010	46.47	-21.73	68.2	43.61	39.7	22.54	59.38	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)
		5455.84	59.36	-14.64	74	50.03	31.72	10.23	32.62	100	301	P	H
		5467.6	59.7	-8.5	68.2	50.3	31.77	10.24	32.61	100	301	P	H
		5457.28	50.87	-3.13	54	41.53	31.73	10.23	32.62	100	301	A	H
	*	5536	107.11	-	-	97.57	31.83	10.29	32.58	100	301	P	H
802.11ac		5729.405	50.71	-17.49	68.2	40.6	32.16	10.48	32.53	100	301	P	H
VHT80													H
CH 106		5452.72	58.03	-15.97	74	48.71	31.71	10.23	32.62	100	106	P	V
5530MHz		5467.84	59.76	-8.44	68.2	50.36	31.77	10.24	32.61	100	106	P	V
		5454.16	49.9	-4.1	54	40.57	31.72	10.23	32.62	100	106	A	V
	*	5530	103.62	-	-	94.08	31.83	10.29	32.58	100	106	P	V
	*	5530	95.57	-	-	86.03	31.83	10.29	32.58	100	106	A	V
													V
		5450.1	58.34	-15.66	74	49.03	31.7	10.23	32.62	100	62	P	H
		5463.05	60.47	-7.73	68.2	51.09	31.75	10.24	32.61	100	62	P	H
		5459.55	50.36	-3.64	54	41.01	31.74	10.23	32.62	100	62	A	H
	*	5610	109.78	-	-	100.1	31.9	10.34	32.56	100	62	P	H
802.11ac	*	5610	102.64	-	-	92.96	31.9	10.34	32.56	100	62	A	H
VHT80		5726.15	65	-3.2	68.2	54.9	32.15	10.48	32.53	100	62	P	H
CH 122		5458.5	58.21	-15.79	74	48.87	31.73	10.23	32.62	100	104	P	V
5610MHz		5469.35	56.63	-11.57	68.2	47.22	31.78	10.24	32.61	100	104	P	V
		5458.15	49.02	-4.98	54	39.68	31.73	10.23	32.62	100	104	A	V
	*	5610	108.2	-	-	98.53	31.87	10.36	32.56	100	104	P	V
	*	5610	99.43	-	-	89.76	31.87	10.36	32.56	100	104	A	V
		5730.175	58.06	-10.14	68.2	47.95	32.16	10.48	32.53	100	104	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	44.83	-29.17	74	48.73	39.76	17.55	61.21	100	0	P	H
		16590	46.18	-22.02	68.2	44.45	38.76	22.1	59.13	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	44.94	-29.06	74	48.84	39.76	17.55	61.21	100	0	P	V
5530MHz		16590	46.66	-21.54	68.2	44.93	38.76	22.1	59.13	100	0	P	V
													V
													V
		11220	46.36	-27.64	74	50.58	39.4	17.73	61.35	100	0	P	H
		16830	46.49	-21.71	68.2	43.61	39.83	22.34	59.29	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	46.09	-27.91	74	50.31	39.4	17.73	61.35	100	0	P	V
5610MHz		16830	47.62	-20.58	68.2	44.74	39.83	22.34	59.29	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

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5436.19	50.07	-23.93	74	40.81	31.67	10.22	32.63	100	286	P	H
		5468.95	48.43	-19.77	68.2	39.02	31.78	10.24	32.61	100	286	P	H
		5452.96	40.18	-13.82	54	30.86	31.71	10.23	32.62	100	286	A	H
	*	5720	113.77	-	-	103.69	32.14	10.47	32.53	100	286	P	H
	*	5720	106.63	-	-	96.55	32.14	10.47	32.53	100	286	A	H
		5923.5	51.75	-16.45	68.2	40.9	32.59	10.73	32.47	100	286	P	H
		5436.97	49.25	-24.75	74	39.99	31.67	10.22	32.63	100	104	P	V
		5463.1	47.72	-20.48	68.2	38.34	31.75	10.24	32.61	100	104	P	V
		5453.35	40.02	-13.98	54	30.7	31.71	10.23	32.62	100	104	A	V
	*	5720	109.34	-	-	99.26	32.14	10.47	32.53	100	104	P	V
	*	5720	101.49	-	-	91.41	32.14	10.47	32.53	100	104	A	V
		5911	50.92	-17.28	68.2	40.13	32.54	10.72	32.47	100	104	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	48.11	-25.89	74	52.02	39.66	17.98	61.55	100	0	P	H
		17160	48.72	-19.48	68.2	44.96	40	22.77	59.01	100	0	P	H
													H
													H
		11440	47.96	-26.04	74	51.87	39.66	17.98	61.55	100	0	P	V
		17160	48.06	-20.14	68.2	44.3	40	22.77	59.01	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		5459.98	49.05	-24.95	74	39.7	31.74	10.23	32.62	100	64	P	H
		5467.78	48.38	-19.82	68.2	38.98	31.77	10.24	32.61	100	64	P	H
		5454.13	40.47	-13.53	54	31.14	31.72	10.23	32.62	100	64	A	H
	*	5720	114.98	-	-	104.9	32.14	10.47	32.53	100	64	P	H
	*	5720	107.27	-	-	97.19	32.14	10.47	32.53	100	64	A	H
		5932	52.77	-15.43	68.2	41.87	32.63	10.74	32.47	100	64	P	H
		5377.3	48.98	-25.02	74	40.02	31.46	10.17	32.67	100	112	P	V
		5467.78	48.4	-19.8	68.2	39	31.77	10.24	32.61	100	112	P	V
		5453.74	40.29	-13.71	54	30.97	31.71	10.23	32.62	100	112	A	V
	*	5720	109.46	-	-	99.38	32.14	10.47	32.53	100	112	P	V
	*	5720	101.24	-	-	91.16	32.14	10.47	32.53	100	112	A	V
		5949.75	50.59	-17.61	68.2	39.58	32.7	10.77	32.46	100	112	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	49.01	-24.99	74	52.92	39.66	17.98	61.55	100	0	P	H
		17160	48.27	-19.93	68.2	44.51	40	22.77	59.01	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	47.6	-26.4	74	51.51	39.66	17.98	61.55	100	0	P	V
5720MHz		17160	49.13	-19.07	68.2	45.37	40	22.77	59.01	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		5451.79	50.48	-23.52	74	41.16	31.71	10.23	32.62	100	68	P	H
		5460.76	49.12	-19.08	68.2	39.76	31.74	10.24	32.62	100	68	P	H
		5452.96	42.04	-11.96	54	32.72	31.71	10.23	32.62	100	68	A	H
	*	5710	112.53	-	-	102.48	32.12	10.46	32.53	100	68	P	H
	*	5710	104.63	-	-	94.58	32.12	10.46	32.53	100	68	A	H
		5932.75	57.13	-11.07	68.2	46.22	32.63	10.75	32.47	100	68	P	H
		5453.35	48.9	-25.1	74	39.58	31.71	10.23	32.62	100	105	P	V
		5467.39	47.74	-20.46	68.2	38.34	31.77	10.24	32.61	100	105	P	V
		5456.86	41.14	-12.86	54	31.8	31.73	10.23	32.62	100	105	A	V
	*	5710	107.13	-	-	97.08	32.12	10.46	32.53	100	105	P	V
	*	5710	98.88	-	-	88.83	32.12	10.46	32.53	100	105	A	V
		5933.25	52.21	-15.99	68.2	41.3	32.63	10.75	32.47	100	105	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	46.23	-27.77	74	50.13	39.68	17.95	61.53	100	0	P	H
		17130	46.98	-21.22	68.2	43.49	39.85	22.72	59.08	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	46.73	-27.27	74	50.63	39.68	17.95	61.53	100	0	P	V
5710MHz		17130	46.44	-21.76	68.2	42.95	39.85	22.72	59.08	100	0	P	V
													V
													V

Remark

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

Band 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)
802.11ac VHT80 CH 138 5690MHz		5421.76	48.72	-25.28	74	39.51	31.64	10.21	32.64	100	71	P	H
		5468.95	49.05	-19.15	68.2	39.64	31.78	10.24	32.61	100	71	P	H
		5430.73	41.06	-12.94	54	31.82	31.66	10.21	32.63	100	71	A	H
	*	5690	108.38	-	-	98.44	32.04	10.44	32.54	100	71	P	H
	*	5690	101.31	-	-	91.37	32.04	10.44	32.54	100	71	A	H
		5862.4	52.79	-15.41	68.2	42.21	32.42	10.65	32.49	100	71	P	H
		5432.68	50.54	-23.46	74	41.29	31.67	10.21	32.63	100	102	P	V
		5465.05	48.05	-20.15	68.2	38.66	31.76	10.24	32.61	100	102	P	V
		5457.64	41.01	-12.99	54	31.67	31.73	10.23	32.62	100	102	A	V
	*	5690	104.42	-	-	94.48	32.04	10.44	32.54	100	102	P	V
	*	5690	95.79	-	-	85.85	32.04	10.44	32.54	100	102	A	V
		5915.5	50.84	-17.36	68.2	40.03	32.56	10.72	32.47	100	102	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	45.77	-28.23	74	49.71	39.64	17.91	61.49	100	0	P	H
		17070	47.28	-20.92	68.2	44.18	39.7	22.63	59.23	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	45.3	-28.7	74	49.24	39.64	17.91	61.49	100	0	P	V
5690MHz		17070	47.48	-20.72	68.2	44.38	39.7	22.63	59.23	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)
		87.23	26.9	-13.1	40	43.8	14.16	1.36	32.42	100	0	P	H
		148.34	29.75	-13.75	43.5	43.62	16.82	1.79	32.48	-	-	P	H
		165.8	26.23	-17.27	43.5	40.34	16.49	1.92	32.52	-	-	P	H
		754.59	28.44	-17.56	46	28.73	27.77	3.97	32.03	-	-	P	H
		805.03	28.76	-17.24	46	28.88	27.98	4.04	32.14	-	-	P	H
		956.35	30.92	-15.08	46	27.02	30.44	4.45	30.99	-	-	P	H
													H
													H
													H
													H
													H
802.11ac													H
LF		43.58	30.62	-9.38	40	44.84	17.33	0.95	32.5	-	-	P	V
		56.19	27.85	-12.15	40	47.25	12.03	1.09	32.52	-	-	P	V
		81.41	30.71	-9.29	40	48.41	13.43	1.31	32.44	100	0	P	V
		732.28	28.24	-17.76	46	29.25	27.06	3.89	31.96	-	-	P	V
		868.08	30.17	-15.83	46	28.75	29.05	4.24	31.87	-	-	P	V
		949.56	31.3	-14.7	46	27.9	30.04	4.44	31.08	-	-	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 Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5146.64	54.4	-19.6	74	45.46	31.8	9.96	32.82	100	315	P	H
		5150	47.18	-6.82	54	38.22	31.8	9.97	32.81	100	315	A	H
	*	5180	111.46	-	-	102.62	31.62	10.01	32.79	100	315	P	H
	*	5180	103.9	-	-	95.06	31.62	10.01	32.79	100	315	A	H
802.11ac													H
VHT20													H
CH 36		5150	56.82	-17.18	74	47.86	31.8	9.97	32.81	297	282	P	V
5180MHz		5150	49.44	-4.56	54	40.48	31.8	9.97	32.81	297	282	A	V
	*	5180	113.59	-	-	104.75	31.62	10.01	32.79	297	282	P	V
	*	5180	105.56	-	-	96.72	31.62	10.01	32.79	297	282	A	V
													V
													V
		5139.1	50.93	-23.07	74	42	31.8	9.95	32.82	100	68	P	H
		5150	43.61	-10.39	54	34.65	31.8	9.97	32.81	100	68	A	H
	*	5220	114.61	-	-	105.86	31.46	10.06	32.77	100	68	P	H
	*	5220	105.7	-	-	96.95	31.46	10.06	32.77	100	68	A	H
802.11ac		5353.9	50.76	-23.24	74	41.96	31.32	10.16	32.68	100	68	P	H
VHT20		5451.91	43.01	-10.99	54	33.69	31.71	10.23	32.62	100	68	A	H
CH 44		5148.46	52.26	-21.74	74	43.3	31.8	9.97	32.81	326	290	P	V
5220MHz		5150	43.86	-10.14	54	34.9	31.8	9.97	32.81	326	290	A	V
	*	5220	114.96	-	-	106.21	31.46	10.06	32.77	326	290	P	V
	*	5220	107.05	-	-	98.3	31.46	10.06	32.77	326	290	A	V
		5459.74	49.87	-24.13	74	40.52	31.74	10.23	32.62	326	290	P	V
		5451.64	41.92	-12.08	54	32.6	31.71	10.23	32.62	326	290	A	V

		5143.78	50.66	-23.34	74	41.72	31.8	9.96	32.82	100	69	P	H
		5149.5	42.1	-11.9	54	33.14	31.8	9.97	32.81	100	69	A	H
	*	5240	113.91	-	-	105.18	31.42	10.07	32.76	100	69	P	H
	*	5240	105.81	-	-	97.08	31.42	10.07	32.76	100	69	A	H
802.11ac		5365.51	51.41	-22.59	74	42.54	31.39	10.16	32.68	100	69	P	H
VHT20		5360.11	41.65	-12.35	54	32.81	31.36	10.16	32.68	100	69	A	H
CH 48		5098.02	51.49	-22.51	74	42.66	31.79	9.89	32.85	349	291	P	V
5240MHz		5149.76	42.31	-11.69	54	33.35	31.8	9.97	32.81	349	291	A	V
	*	5240	114.97	-	-	106.24	31.42	10.07	32.76	349	291	P	V
	*	5240	106.42	-	-	97.69	31.42	10.07	32.76	349	291	A	V
		5361.46	50.51	-23.49	74	41.66	31.37	10.16	32.68	349	291	P	V
		5456.23	40.83	-13.17	54	31.5	31.72	10.23	32.62	349	291	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	47.16	-21.04	68.2	50.31	39.8	17.44	60.39	100	0	P	H
		15540	46.14	-27.86	74	47.95	37.84	21.62	61.27	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	46	-22.2	68.2	49.15	39.8	17.44	60.39	100	0	P	V
5180MHz		15540	46.11	-27.89	74	47.92	37.84	21.62	61.27	100	0	P	V
													V
													V
		10440	46.16	-22.04	68.2	49.34	39.96	17.44	60.58	100	0	P	H
		15660	47.18	-26.82	74	49.17	37.42	21.6	61.01	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	46.14	-22.06	68.2	49.32	39.96	17.44	60.58	100	0	P	V
5220MHz		15660	46.65	-27.35	74	48.64	37.42	21.6	61.01	100	0	P	V
													V
													V
		10480	46.08	-22.12	68.2	49.4	39.92	17.44	60.68	100	0	P	H
		15720	47.22	-26.78	74	49.25	37.28	21.57	60.88	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	46.65	-21.55	68.2	49.97	39.92	17.44	60.68	100	0	P	V
5240MHz		15720	46.59	-27.41	74	48.62	37.28	21.57	60.88	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)
		5145.34	58.98	-15.02	74	50.04	31.8	9.96	32.82	100	323	P	H
		5141.44	50.2	-3.8	54	41.26	31.8	9.96	32.82	100	323	A	H
	*	5190	106.83	-	-	98.03	31.56	10.03	32.79	100	323	P	H
	*	5190	99.18	-	-	90.38	31.56	10.03	32.79	100	323	A	H
802.11ac		5413.24	54.44	-19.56	74	45.26	31.63	10.2	32.65	100	323	P	H
VHT40		5413.52	47.13	-6.87	54	37.95	31.63	10.2	32.65	100	323	A	H
CH 38		5142.48	60.46	-13.54	74	51.52	31.8	9.96	32.82	352	273	P	V
5190MHz		5149.76	51.77	-2.23	54	42.81	31.8	9.97	32.81	352	273	A	V
	*	5190	108.57	-	-	99.77	31.56	10.03	32.79	352	273	P	V
	*	5190	100.8	-	-	92	31.56	10.03	32.79	352	273	A	V
		5412.96	54.53	-19.47	74	45.35	31.63	10.2	32.65	352	273	P	V
		5413.24	46.24	-7.76	54	37.06	31.63	10.2	32.65	352	273	A	V
		5139.88	52.69	-21.31	74	43.76	31.8	9.95	32.82	100	323	P	H
		5148.72	47.24	-6.76	54	38.28	31.8	9.97	32.81	100	323	A	H
	*	5230	109.31	-	-	100.57	31.44	10.06	32.76	100	323	P	H
	*	5230	98.9	-	-	90.16	31.44	10.06	32.76	100	323	A	H
802.11ac		5452.72	56.02	-17.98	74	46.7	31.71	10.23	32.62	100	323	P	H
VHT40		5452.16	49.24	-4.76	54	39.92	31.71	10.23	32.62	100	323	A	H
CH 46		5134.42	54.67	-19.33	74	45.75	31.8	9.94	32.82	350	294	P	V
5230MHz		5148.98	47.49	-6.51	54	38.53	31.8	9.97	32.81	350	294	A	V
	*	5230	110.46	-	-	101.72	31.44	10.06	32.76	350	294	P	V
	*	5230	102.2	-	-	93.46	31.44	10.06	32.76	350	294	A	V
		5452.44	56.26	-17.74	74	46.94	31.71	10.23	32.62	350	294	P	V
		5452.72	49.45	-4.55	54	40.13	31.71	10.23	32.62	350	294	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	47.48	-20.72	68.2	50.57	39.9	17.44	60.43	100	0	P	H
		15570	47.63	-26.37	74	49.49	37.72	21.62	61.2	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	47.7	-20.5	68.2	50.79	39.9	17.44	60.43	100	0	P	V
5190MHz		15570	46.43	-27.57	74	48.29	37.72	21.62	61.2	100	0	P	V
													V
													V
		10460	46.3	-21.9	68.2	49.55	39.94	17.44	60.63	100	0	P	H
		15690	46.85	-27.15	74	48.88	37.33	21.59	60.95	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	46.19	-22.01	68.2	49.44	39.94	17.44	60.63	100	0	P	V
5230MHz		15690	46.58	-27.42	74	48.61	37.33	21.59	60.95	100	0	P	V
													V
													V

Remark

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

Band 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)
		5145.18	54.12	-19.88	74	45.18	31.8	9.96	32.82	100	316	P	H
		5138.38	47.06	-6.94	54	38.13	31.8	9.95	32.82	100	316	A	H
	*	5210	104.01	-	-	95.26	31.48	10.05	32.78	100	316	P	H
	*	5210	95.49	-	-	86.74	31.48	10.05	32.78	100	316	A	H
802.11ac		5459.48	49.37	-24.63	74	40.02	31.74	10.23	32.62	100	316	P	H
VHT80		5458.7	41.62	-12.38	54	32.28	31.73	10.23	32.62	100	316	A	H
CH 42		5136.68	61.88	-12.12	74	52.95	31.8	9.95	32.82	315	293	P	V
5210MHz		5131.58	50.49	-3.51	54	41.58	31.8	9.94	32.83	315	293	A	V
	*	5210	104.99	-	-	96.24	31.48	10.05	32.78	315	293	P	V
	*	5210	97.22	-	-	88.47	31.48	10.05	32.78	315	293	A	V
		5441.02	52.01	-21.99	74	42.74	31.68	10.22	32.63	315	293	P	V
		5453.5	41.61	-12.39	54	32.29	31.71	10.23	32.62	315	293	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	48.12	-20.08	68.2	51.23	39.98	17.44	60.53	100	0	P	H
		15630	47.4	-26.6	74	49.36	37.51	21.6	61.07	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	47.58	-20.62	68.2	50.69	39.98	17.44	60.53	100	0	P	V
5210MHz		15630	47	-27	74	48.96	37.51	21.6	61.07	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 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)
		5022.1	51.2	-22.8	74	42.93	31.39	9.78	32.9	100	11	P	H
		5108.8	41.67	-12.33	54	32.8	31.8	9.91	32.84	100	11	A	H
	*	5260	112.43	-	-	103.68	31.4	10.09	32.74	100	11	P	H
	*	5260	103.82	-	-	95.07	31.4	10.09	32.74	100	11	A	H
802.11ac		5380.8	50.57	-23.43	74	41.58	31.48	10.18	32.67	100	11	P	H
VHT20		5460	40.81	-13.19	54	31.46	31.74	10.23	32.62	100	11	A	H
CH 52		5060.18	51.73	-22.27	74	43.2	31.56	9.84	32.87	357	293	P	V
5260MHz		5149.94	42	-12	54	33.04	31.8	9.97	32.81	357	293	A	V
	*	5260	114.28	-	-	105.53	31.4	10.09	32.74	357	293	P	V
	*	5260	105.96	-	-	97.21	31.4	10.09	32.74	357	293	A	V
		5356.8	50.87	-23.13	74	42.05	31.34	10.16	32.68	357	293	P	V
		5350.32	41.94	-12.06	54	33.18	31.3	10.15	32.69	357	293	A	V
		5015.98	49.89	-24.11	74	41.66	31.36	9.77	32.9	100	69	P	H
		5080.58	41.2	-12.8	54	32.51	31.68	9.87	32.86	100	69	A	H
	*	5300	114.19	-	-	105.4	31.4	10.11	32.72	100	69	P	H
	*	5300	106.22	-	-	97.43	31.4	10.11	32.72	100	69	A	H
802.11ac		5357.76	57.36	-16.64	74	48.53	31.35	10.16	32.68	100	69	P	H
VHT20		5350.32	51.24	-2.76	54	42.48	31.3	10.15	32.69	100	69	A	H
CH 60		5149.94	49.74	-24.26	74	40.78	31.8	9.97	32.81	358	290	P	V
5300MHz		5140.42	41.3	-12.7	54	32.37	31.8	9.95	32.82	358	290	A	V
	*	5300	114.21	-	-	105.42	31.4	10.11	32.72	358	290	P	V
	*	5300	106.52	-	-	97.73	31.4	10.11	32.72	358	290	A	V
		5350.56	58.32	-15.68	74	49.56	31.3	10.15	32.69	358	290	P	V
		5350.32	49.59	-4.41	54	40.83	31.3	10.15	32.69	358	290	A	V

	*	5320	112.64	-	-	103.86	31.36	10.13	32.71	100	322	P	H
	*	5320	104.53	-	-	95.75	31.36	10.13	32.71	100	322	A	H
		5351.52	58.04	-15.96	74	49.27	31.31	10.15	32.69	100	322	P	H
		5350.24	49.52	-4.48	54	40.76	31.3	10.15	32.69	100	322	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	113.39	-	-	104.61	31.36	10.13	32.71	312	304	P	V
5320MHz	*	5320	104.97	-	-	96.19	31.36	10.13	32.71	312	304	A	V
		5351.2	58.88	-15.12	74	50.11	31.31	10.15	32.69	312	304	P	V
		5350.08	49.8	-4.2	54	41.04	31.3	10.15	32.69	312	304	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	46.1	-22.1	68.2	49.49	39.9	17.46	60.75	100	0	P	H
		15780	45.6	-28.4	74	47.58	37.22	21.56	60.76	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	45.03	-23.17	68.2	48.42	39.9	17.46	60.75	100	0	P	V
5260MHz		15780	45.18	-28.82	74	47.16	37.22	21.56	60.76	100	0	P	V
													V
													V
		10600	44.64	-29.36	74	48.1	39.9	17.46	60.82	100	0	P	H
		15900	44.97	-29.03	74	47.04	36.9	21.53	60.5	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	45.33	-28.67	74	48.79	39.9	17.46	60.82	100	0	P	V
5300MHz		15900	46.43	-27.57	74	48.5	36.9	21.53	60.5	100	0	P	V
													V
													V
		10640	44.78	-29.22	74	48.35	39.82	17.46	60.85	100	0	P	H
		15960	44.24	-29.76	74	46.32	36.78	21.51	60.37	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	45.45	-28.55	74	49.02	39.82	17.46	60.85	100	0	P	V
5320MHz		15960	44.91	-29.09	74	46.99	36.78	21.51	60.37	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)
		5102.34	50.98	-23.02	74	42.12	31.8	9.9	32.84	100	321	P	H
		5143.82	44.16	-9.84	54	35.22	31.8	9.96	32.82	100	321	A	H
	*	5270	109.4	-	-	100.65	31.4	10.09	32.74	100	321	P	H
	*	5270	101.55	-	-	92.8	31.4	10.09	32.74	100	321	A	H
802.11ac		5352.72	55.27	-18.73	74	46.48	31.32	10.15	32.68	100	321	P	H
VHT40		5351.76	51.33	-2.67	54	42.55	31.31	10.15	32.68	100	321	A	H
CH 54		5143.82	51.41	-22.59	74	42.47	31.8	9.96	32.82	288	299	P	V
5270MHz		5046.92	44.39	-9.61	54	35.96	31.49	9.82	32.88	288	299	A	V
	*	5270	109.78	-	-	101.03	31.4	10.09	32.74	288	299	P	V
	*	5270	103.15	-	-	94.4	31.4	10.09	32.74	288	299	A	V
		5362.08	53.72	-20.28	74	44.87	31.37	10.16	32.68	288	299	P	V
		5370.96	49.57	-4.43	54	40.64	31.43	10.17	32.67	288	299	A	V
		5104.72	51.51	-22.49	74	42.65	31.8	9.9	32.84	100	325	P	H
		5087.72	42.84	-11.16	54	34.08	31.73	9.88	32.85	100	325	A	H
	*	5310	106	-	-	97.21	31.38	10.12	32.71	100	325	P	H
	*	5310	98.11	-	-	89.32	31.38	10.12	32.71	100	325	A	H
802.11ac		5358	57.74	-16.26	74	48.91	31.35	10.16	32.68	100	325	P	H
VHT40		5388.48	51.26	-2.74	54	42.21	31.53	10.18	32.66	100	325	A	H
CH 62		5084.66	53.59	-20.41	74	44.87	31.71	9.87	32.86	285	296	P	V
5310MHz		5087.72	43.83	-10.17	54	35.07	31.73	9.88	32.85	285	296	A	V
	*	5310	107.17	-	-	98.38	31.38	10.12	32.71	285	296	P	V
	*	5310	98.86	-	-	90.07	31.38	10.12	32.71	285	296	A	V
		5352.96	59.94	-14.06	74	51.15	31.32	10.15	32.68	285	296	P	V
		5352	51.07	-2.93	54	42.29	31.31	10.15	32.68	285	296	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	46.3	-21.9	68.2	49.7	39.9	17.46	60.76	100	0	P	H
		15810	46.46	-27.54	74	48.43	37.17	21.55	60.69	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	46.52	-21.68	68.2	49.92	39.9	17.46	60.76	100	0	P	V
5270MHz		15810	47.67	-26.33	74	49.64	37.17	21.55	60.69	100	0	P	V
													V
													V
		10620	46.14	-27.86	74	49.65	39.86	17.46	60.83	100	0	P	H
		15930	45.4	-28.6	74	47.48	36.84	21.52	60.44	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	46.23	-27.77	74	49.74	39.86	17.46	60.83	100	0	P	V
5310MHz		15930	46.02	-27.98	74	48.1	36.84	21.52	60.44	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)
		5121.2	50.91	-23.09	74	42.01	31.8	9.93	32.83	100	302	P	H
		5103.2	42.09	-11.91	54	33.23	31.8	9.9	32.84	100	302	A	H
	*	5290	109.02	-	-	100.23	31.4	10.11	32.72	100	302	P	H
	*	5290	93.89	-	-	85.1	31.4	10.11	32.72	100	302	A	H
802.11ac		5350.56	60.28	-13.72	74	51.52	31.3	10.15	32.69	100	302	P	H
VHT80		5351.04	50.02	-3.98	54	41.25	31.31	10.15	32.69	100	302	A	H
CH 58		5123	51.04	-22.96	74	42.14	31.8	9.93	32.83	100	89	P	V
5290MHz		5100.5	41.83	-12.17	54	32.98	31.8	9.9	32.85	100	89	A	V
	*	5290	104.11	-	-	95.32	31.4	10.11	32.72	100	89	P	V
	*	5290	98.1	-	-	89.31	31.4	10.11	32.72	100	89	A	V
		5354.16	59.49	-14.51	74	50.69	31.32	10.16	32.68	100	89	P	V
		5350.56	51.03	-2.97	54	42.27	31.3	10.15	32.69	100	89	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	47.24	-20.96	68.2	50.68	39.9	17.46	60.8	100	0	P	H
		15870	45.85	-28.15	74	47.89	36.99	21.54	60.57	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.32	-21.88	68.2	49.76	39.9	17.46	60.8	100	0	P	V
5290MHz		15870	45.8	-28.2	74	47.84	36.99	21.54	60.57	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)
		5456.72	54.94	-19.06	74	45.6	31.73	10.23	32.62	100	67	P	H
		5469.84	63.34	-4.86	68.2	53.93	31.78	10.24	32.61	100	67	P	H
		5459.6	46.87	-7.13	54	37.52	31.74	10.23	32.62	100	67	A	H
	*	5500	113.96	-	-	104.39	31.9	10.26	32.59	100	67	P	H
802.11ac	*	5500	106.21	-	-	96.64	31.9	10.26	32.59	100	67	A	H
VHT20													H
CH 100		5459.76	55.56	-18.44	74	46.21	31.74	10.23	32.62	100	88	P	V
5500MHz		5470	60.57	-7.63	68.2	51.16	31.78	10.24	32.61	100	88	P	V
		5460	46.27	-7.73	54	36.92	31.74	10.23	32.62	100	88	A	V
	*	5500	114.26	-	-	104.69	31.9	10.26	32.59	100	88	P	V
	*	5500	106.59	-	-	97.02	31.9	10.26	32.59	100	88	A	V
													V
		5456.8	50.32	-23.68	74	40.98	31.73	10.23	32.62	100	69	P	H
		5463.52	51.37	-16.83	68.2	41.99	31.75	10.24	32.61	100	69	P	H
		5452	41.72	-12.28	54	32.4	31.71	10.23	32.62	100	69	A	H
	*	5580	116.27	-	-	106.66	31.86	10.32	32.57	100	69	P	H
802.11ac	*	5580	108.52	-	-	98.91	31.86	10.32	32.57	100	69	A	H
VHT20		5759.015	51.02	-17.18	68.2	40.81	32.22	10.51	32.52	100	69	P	H
CH 116		5413.84	49.83	-24.17	74	40.65	31.63	10.2	32.65	100	100	P	V
5580MHz		5461.84	50.58	-17.62	68.2	41.2	31.75	10.24	32.61	100	100	P	V
		5453.44	42.68	-11.32	54	33.36	31.71	10.23	32.62	100	100	A	V
	*	5580	117.95	-	-	108.34	31.86	10.32	32.57	100	100	P	V
	*	5580	109.39	-	-	99.78	31.86	10.32	32.57	100	100	A	V
		5743.895	51.4	-16.8	68.2	41.23	32.19	10.5	32.52	100	100	P	V

	*	5700	112.45	-	-	102.43	32.1	10.45	32.53	100	67	P	H
	*	5700	104.68	-	-	94.66	32.1	10.45	32.53	100	67	A	H
		5725.4	63.04	-5.16	68.2	52.94	32.15	10.48	32.53	100	67	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	114.7	-	-	104.68	32.1	10.45	32.53	100	86	P	V
5700MHz	*	5700	106.07	-	-	96.05	32.1	10.45	32.53	100	86	A	V
		5725	65.23	-2.97	68.2	55.13	32.15	10.48	32.53	100	86	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	46.51	-27.49	74	50.19	40	17.48	61.16	100	0	P	H
		16500	45.9	-22.3	68.2	44.56	38.4	22.01	59.07	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	46.65	-27.35	74	50.33	40	17.48	61.16	100	0	P	V
5500MHz		16500	46.47	-21.73	68.2	45.13	38.4	22.01	59.07	100	0	P	V
													V
													V
		11160	48.92	-25.08	74	53.08	39.48	17.66	61.3	100	0	P	H
		16740	47.62	-20.58	68.2	45.21	39.38	22.26	59.23	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	47.96	-26.04	74	52.12	39.48	17.66	61.3	100	0	P	V
5580MHz		16740	46.63	-21.57	68.2	44.22	39.38	22.26	59.23	100	0	P	V
													V
													V
		11400	47.09	-26.91	74	50.97	39.7	17.93	61.51	100	0	P	H
		17100	46.24	-21.96	68.2	43.02	39.7	22.67	59.15	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	47.11	-26.89	74	50.99	39.7	17.93	61.51	100	0	P	V
5700MHz		17100	47.32	-20.88	68.2	44.1	39.7	22.67	59.15	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)
		5458	63.84	-10.16	74	54.5	31.73	10.23	32.62	100	329	P	H
		5462.08	65.19	-3.01	68.2	55.81	31.75	10.24	32.61	100	329	P	H
		5457.76	50.96	-3.04	54	41.62	31.73	10.23	32.62	100	329	A	H
	*	5510	106.35	-	-	96.79	31.88	10.27	32.59	100	329	P	H
802.11ac	*	5510	99.88	-	-	90.32	31.88	10.27	32.59	100	329	A	H
VHT40		5733.185	54.28	-13.92	68.2	44.14	32.17	10.49	32.52	100	329	P	H
CH 102		5459.68	60.71	-13.29	74	51.36	31.74	10.23	32.62	109	93	P	V
5510MHz		5469.52	66.36	-1.84	68.2	56.95	31.78	10.24	32.61	109	93	P	V
		5459.44	52.03	-1.97	54	42.68	31.74	10.23	32.62	109	93	A	V
	*	5510	109.87	-	-	100.31	31.88	10.27	32.59	109	93	P	V
	*	5510	101.21	-	-	91.65	31.88	10.27	32.59	109	93	A	V
		5733.815	55.97	-12.23	68.2	45.83	32.17	10.49	32.52	109	93	P	V
		5440.48	54.93	-19.07	74	45.66	31.68	10.22	32.63	100	69	P	H
		5463.28	56.52	-11.68	68.2	47.14	31.75	10.24	32.61	100	69	P	H
		5450.56	49.13	-4.87	54	39.82	31.7	10.23	32.62	100	69	A	H
	*	5550	110.61	-	-	101.09	31.8	10.3	32.58	100	69	P	H
802.11ac	*	5550	101.76	-	-	92.24	31.8	10.3	32.58	100	69	A	H
VHT40		5740.43	50.88	-17.32	68.2	40.73	32.18	10.49	32.52	100	69	P	H
CH 110		5455.36	54.8	-19.2	74	45.47	31.72	10.23	32.62	263	316	P	V
5550MHz		5468.8	54.04	-14.16	68.2	44.63	31.78	10.24	32.61	263	316	P	V
		5453.2	46.06	-7.94	54	36.74	31.71	10.23	32.62	263	316	A	V
	*	5550	109.91	-	-	100.39	31.8	10.3	32.58	263	316	P	V
	*	5550	103.16	-	-	93.64	31.8	10.3	32.58	263	316	A	V
		5740.745	51.16	-17.04	68.2	41.01	32.18	10.49	32.52	263	316	P	V

		5445.2	52.31	-21.69	74	43.03	31.69	10.22	32.63	100	72	P	H
		5467.95	49.39	-18.81	68.2	39.99	31.77	10.24	32.61	100	72	P	H
		5447.65	44.15	-9.85	54	34.84	31.7	10.23	32.62	100	72	A	H
	*	5670	110.4	-	-	100.6	31.92	10.42	32.54	100	72	P	H
802.11ac	*	5670	102.18	-	-	92.38	31.92	10.42	32.54	100	72	A	H
VHT40		5728.6	59.67	-8.53	68.2	49.56	32.16	10.48	32.53	100	72	P	H
CH 134		5442.75	50.34	-23.66	74	41.06	31.69	10.22	32.63	248	320	P	V
5670MHz		5467.95	49.16	-19.04	68.2	39.76	31.77	10.24	32.61	248	320	P	V
		5447.3	43.7	-10.3	54	34.4	31.69	10.23	32.62	248	320	A	V
	*	5670	110.73	-	-	100.93	31.92	10.42	32.54	248	320	P	V
	*	5670	104.19	-	-	94.39	31.92	10.42	32.54	248	320	A	V
		5725	60.37	-7.83	68.2	50.27	32.15	10.48	32.53	248	320	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	46.79	-27.21	74	50.55	39.92	17.5	61.18	100	0	P	H
		16530	47.88	-20.32	68.2	46.41	38.52	22.04	59.09	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	47.11	-26.89	74	50.87	39.92	17.5	61.18	100	0	P	V
5510MHz		16530	48.18	-20.02	68.2	46.71	38.52	22.04	59.09	100	0	P	V
													V
													V
		11100	47.92	-26.08	74	51.98	39.6	17.59	61.25	100	0	P	H
		16650	47.49	-20.71	68.2	45.55	38.95	22.16	59.17	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	46.73	-27.27	74	50.79	39.6	17.59	61.25	100	0	P	V
5550MHz		16650	47.56	-20.64	68.2	45.62	38.95	22.16	59.17	100	0	P	V
													V
													V
		11340	47.42	-26.58	74	51.5	39.52	17.86	61.46	100	0	P	H
		17010	49.32	-18.88	68.2	46.46	39.7	22.54	59.38	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	47.27	-26.73	74	51.35	39.52	17.86	61.46	100	0	P	V
5670MHz		17010	48.78	-19.42	68.2	45.92	39.7	22.54	59.38	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)
		5459.2	56.68	-17.32	74	47.33	31.74	10.23	32.62	100	71	P	H
		5462.8	58.38	-9.82	68.2	49	31.75	10.24	32.61	100	71	P	H
		5458.96	50.75	-3.25	54	41.4	31.74	10.23	32.62	100	71	A	H
	*	5530	105.67	-	-	96.12	31.84	10.29	32.58	100	71	P	H
	*	5530	97.41	-	-	87.86	31.84	10.29	32.58	100	71	A	H
		5742.32	50.95	-17.25	68.2	40.79	32.18	10.5	32.52	100	71	P	H
		5454.64	56.61	-17.39	74	47.28	31.72	10.23	32.62	100	89	P	V
		5470	58.3	-9.9	68.2	48.89	31.78	10.24	32.61	100	89	P	V
		5456.08	50.68	-3.32	54	41.35	31.72	10.23	32.62	100	89	A	V
	*	5530	105.71	-	-	96.16	31.84	10.29	32.58	100	89	P	V
	*	5530	97.67	-	-	88.12	31.84	10.29	32.58	100	89	A	V
		5760.275	52.83	-15.37	68.2	42.61	32.22	10.52	32.52	100	89	P	V
802.11ac VHT80 CH 106 5530MHz													
		5459.9	50.76	-23.24	74	41.41	31.74	10.23	32.62	100	81	P	H
		5468.3	51.52	-16.68	68.2	42.12	31.77	10.24	32.61	100	81	P	H
		5459.9	43	-11	54	33.65	31.74	10.23	32.62	100	81	A	H
	*	5610	107	-	-	97.33	31.88	10.35	32.56	100	81	P	H
	*	5610	98.77	-	-	89.1	31.88	10.35	32.56	100	81	A	H
		5731.225	53.89	-14.31	68.2	43.78	32.16	10.48	32.53	100	81	P	H
		5455.35	50.7	-23.3	74	41.37	31.72	10.23	32.62	100	90	P	V
		5464.1	51.99	-16.21	68.2	42.6	31.76	10.24	32.61	100	90	P	V
		5458.85	44.15	-9.85	54	34.8	31.74	10.23	32.62	100	90	A	V
	*	5610	108.03	-	-	98.36	31.88	10.35	32.56	100	90	P	V
	*	5610	100.77	-	-	91.1	31.88	10.35	32.56	100	90	A	V
		5729.65	56.87	-11.33	68.2	46.76	32.16	10.48	32.53	100	90	P	V
802.11ac VHT80 CH 122 5610MHz													
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	47.65	-26.35	74	51.55	39.76	17.55	61.21	100	0	P	H
		16590	47.32	-20.88	68.2	45.59	38.76	22.1	59.13	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.02	-26.98	74	50.92	39.76	17.55	61.21	100	0	P	V
5530MHz		16590	48.01	-20.19	68.2	46.28	38.76	22.1	59.13	100	0	P	V
													V
													V
		11220	47.41	-26.59	74	51.63	39.4	17.73	61.35	100	0	P	H
		16830	48.34	-19.86	68.2	45.46	39.83	22.34	59.29	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	48.88	-25.12	74	53.1	39.4	17.73	61.35	100	0	P	V
5610MHz		16830	48.68	-19.52	68.2	45.8	39.83	22.34	59.29	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

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 144 5720MHz		5373.4	49.64	-24.36	74	40.7	31.44	10.17	32.67	106	332	P	H
		5460.76	48.33	-19.87	68.2	38.97	31.74	10.24	32.62	106	332	P	H
		5453.74	40.45	-13.55	54	31.13	31.71	10.23	32.62	106	332	A	H
	*	5720	114.95	-	-	104.87	32.14	10.47	32.53	106	332	P	H
	*	5720	106.8	-	-	96.72	32.14	10.47	32.53	106	332	A	H
		5890.75	52.51	-15.69	68.2	41.82	32.48	10.69	32.48	106	332	P	H
		5450.62	49.64	-24.36	74	40.33	31.7	10.23	32.62	104	100	P	V
		5468.17	48.19	-20.01	68.2	38.79	31.77	10.24	32.61	104	100	P	V
		5456.86	40.83	-13.17	54	31.49	31.73	10.23	32.62	104	100	A	V
	*	5720	118.16	-	-	108.08	32.14	10.47	32.53	104	100	P	V
	*	5720	109.76	-	-	99.68	32.14	10.47	32.53	104	100	A	V
		5936.25	52.47	-15.73	68.2	41.54	32.65	10.75	32.47	104	100	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	48.1	-25.9	74	52.01	39.66	17.98	61.55	100	0	P	H
		17160	47.21	-20.99	68.2	43.45	40	22.77	59.01	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	46.73	-27.27	74	50.64	39.66	17.98	61.55	100	0	P	V
5720MHz		17160	47.3	-20.9	68.2	43.54	40	22.77	59.01	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		5453.35	50.55	-23.45	74	41.23	31.71	10.23	32.62	100	334	P	H
		5466.22	51.24	-16.96	68.2	41.85	31.76	10.24	32.61	100	334	P	H
		5454.13	43.27	-10.73	54	33.94	31.72	10.23	32.62	100	334	A	H
	*	5710	114.62	-	-	104.57	32.12	10.46	32.53	100	334	P	H
	*	5710	105.81	-	-	95.76	32.12	10.46	32.53	100	334	A	H
		5933	56.84	-11.36	68.2	45.93	32.63	10.75	32.47	100	334	P	H
		5452.57	53.03	-20.97	74	43.71	31.71	10.23	32.62	100	94	P	V
		5463.49	50.79	-17.41	68.2	41.41	31.75	10.24	32.61	100	94	P	V
		5452.96	44.53	-9.47	54	35.21	31.71	10.23	32.62	100	94	A	V
	*	5710	115.02	-	-	104.97	32.12	10.46	32.53	100	94	P	V
	*	5710	106.96	-	-	96.91	32.12	10.46	32.53	100	94	A	V
		5851.75	57.52	-10.68	68.2	46.98	32.4	10.63	32.49	100	94	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	49.09	-24.91	74	52.99	39.68	17.95	61.53	100	0	P	H
		17130	47.42	-20.78	68.2	43.93	39.85	22.72	59.08	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	47.89	-26.11	74	51.79	39.68	17.95	61.53	100	0	P	V
5710MHz		17130	48.52	-19.68	68.2	45.03	39.85	22.72	59.08	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5419.42	49.64	-24.36	74	40.44	31.64	10.2	32.64	100	331	P	H
		5463.1	49.25	-18.95	68.2	39.87	31.75	10.24	32.61	100	331	P	H
		5451.01	41.05	-12.95	54	31.74	31.7	10.23	32.62	100	331	A	H
	*	5690	106.34	-	-	96.4	32.04	10.44	32.54	100	331	P	H
	*	5690	98.78	-	-	88.84	32.04	10.44	32.54	100	331	A	H
802.11ac		5850.1	51.69	-16.51	68.2	41.15	32.4	10.63	32.49	100	331	P	H
VHT80		5454.91	50.68	-23.32	74	41.35	31.72	10.23	32.62	100	92	P	V
CH 138		5469.73	50	-18.2	68.2	40.59	31.78	10.24	32.61	100	92	P	V
5690MHz		5454.13	41.33	-12.67	54	32	31.72	10.23	32.62	100	92	A	V
	*	5690	109	-	-	99.06	32.04	10.44	32.54	100	92	P	V
	*	5690	100.81	-	-	90.87	32.04	10.44	32.54	100	92	A	V
		5852.2	52.43	-15.77	68.2	41.89	32.4	10.63	32.49	100	92	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	47.49	-26.51	74	51.43	39.64	17.91	61.49	100	0	P	H
		17070	48.62	-19.58	68.2	45.52	39.7	22.63	59.23	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	46.79	-27.21	74	50.73	39.64	17.91	61.49	100	0	P	V
5690MHz		17070	48.51	-19.69	68.2	45.41	39.7	22.63	59.23	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)
		62.01	26.29	-13.71	40	46.09	11.55	1.15	32.5	-	-	P	H
		145.43	33.37	-10.13	43.5	47.15	16.94	1.76	32.48	-	-	P	H
		159.01	31.58	-11.92	43.5	45.9	16.31	1.87	32.5	-	-	P	H
		666.32	39.66	-6.34	46	41.84	26.2	3.71	32.09	100	0	P	H
		829.28	31.33	-14.67	46	31.36	27.87	4.13	32.03	-	-	P	H
		958.29	30.83	-15.17	46	26.77	30.57	4.45	30.96	-	-	P	H
													H
													H
													H
													H
													H
802.11ac													H
LF		30.97	30.17	-9.83	40	37.95	23.86	0.78	32.42	-	-	P	V
		146.4	28.01	-15.49	43.5	41.87	16.85	1.77	32.48	-	-	P	V
		158.04	27.64	-15.86	43.5	41.91	16.37	1.86	32.5	-	-	P	V
		666.32	38.17	-7.83	46	40.35	26.2	3.71	32.09	100	0	P	V
		832.19	30.97	-15.03	46	30.88	27.97	4.14	32.02	-	-	P	V
		951.5	30.77	-15.23	46	27.23	30.15	4.44	31.05	-	-	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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission Plots

Test Engineer :	Wayne Lee, Fu Chen and Troye Hsieh	**Temperature :**	19.1~28.9°C
		Relative Humidity :	43.2~69.4%

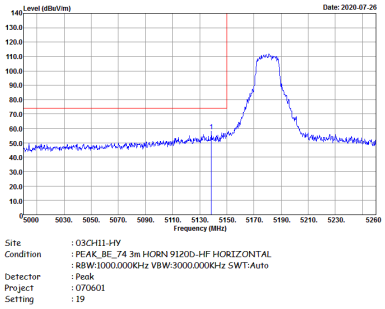
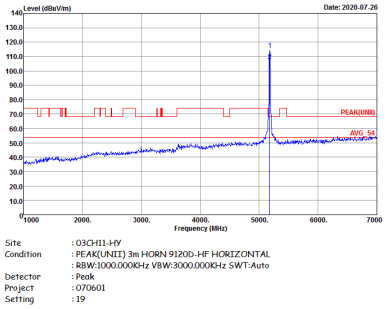
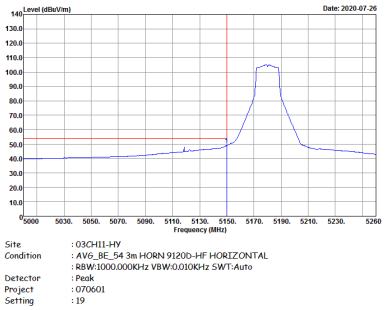
Note symbol

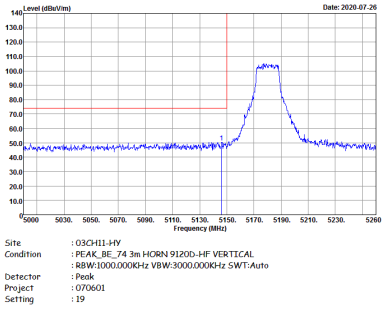
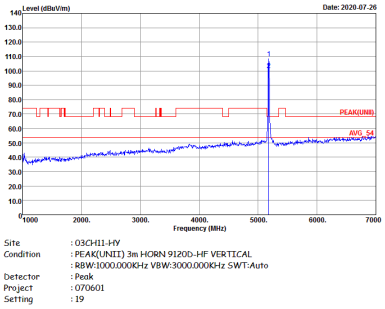
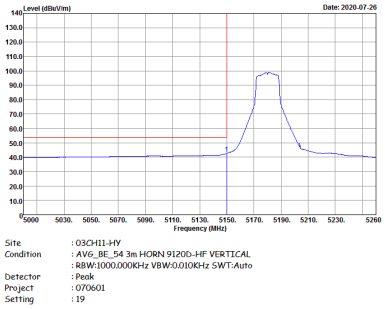
-L	**Low channel location**
-R	**High channel location**

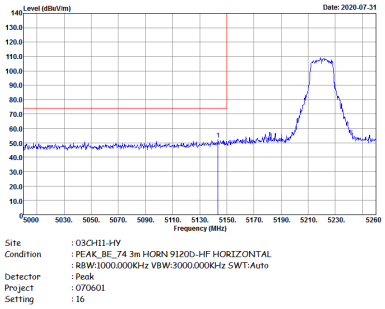
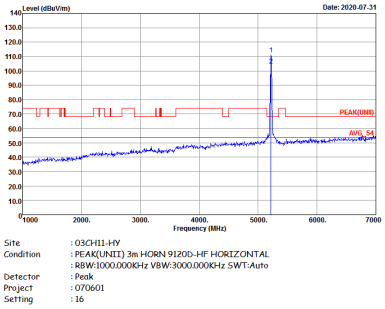
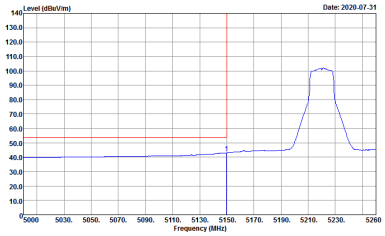
<CDD Mode>

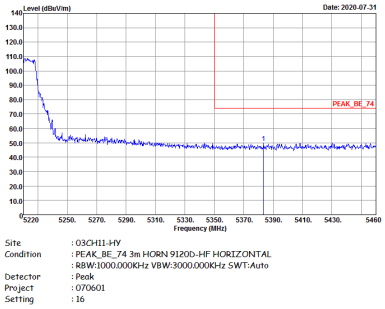
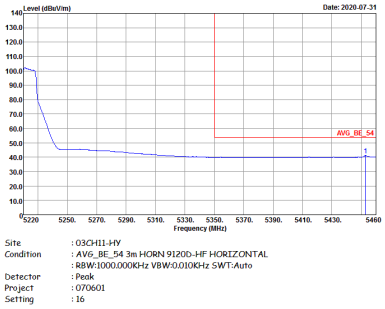
Band 1 - 5150~5250MHz

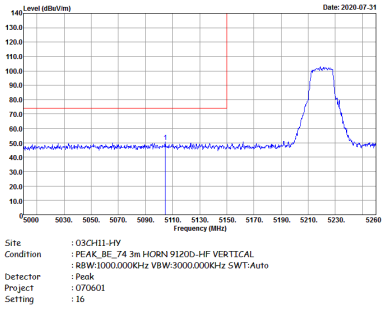
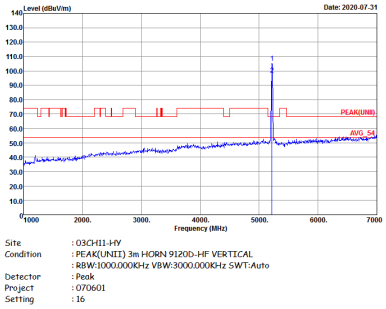
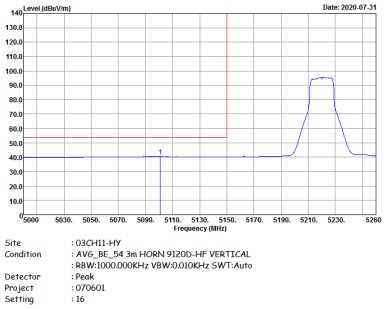
WIFI 802.11a (Band Edge @ 3m)

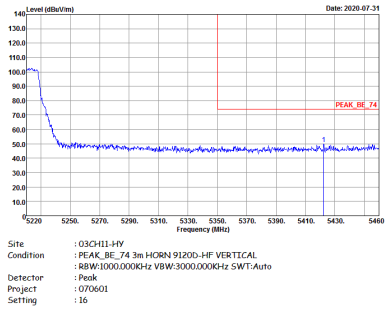
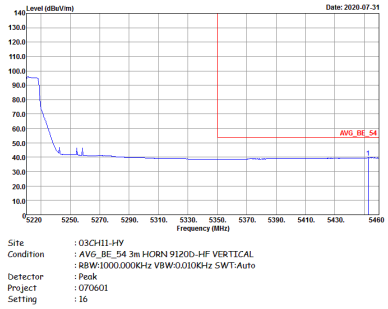
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

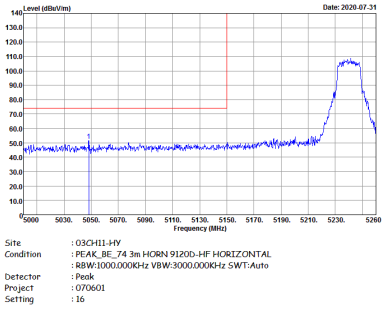
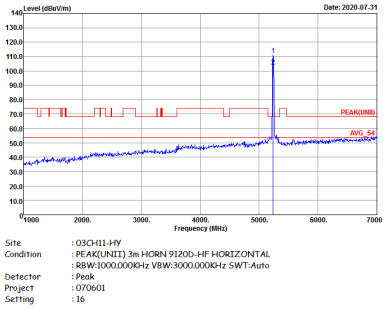
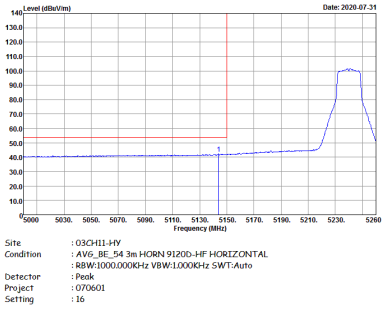
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

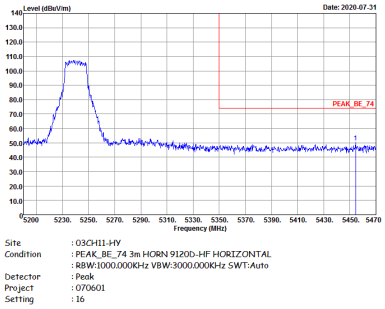
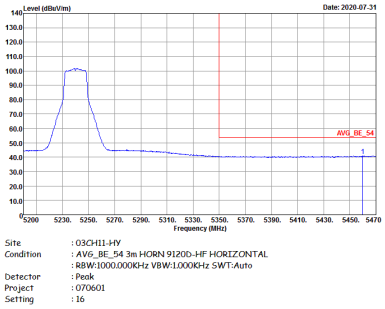
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 16	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 16
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601 Setting : 16	Left blank

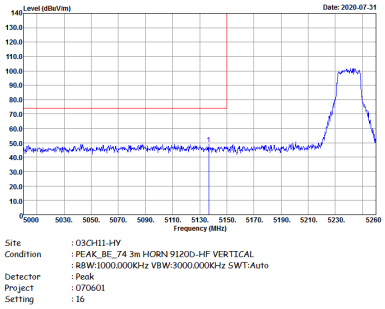
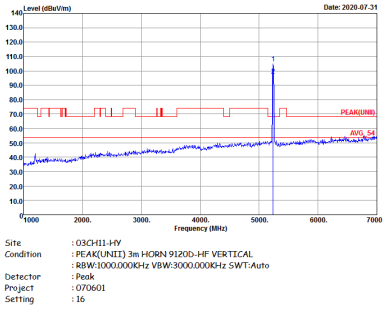
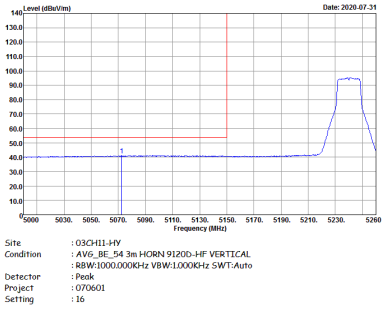
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

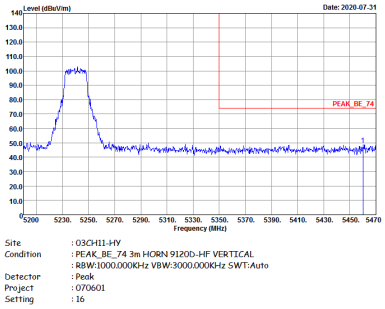
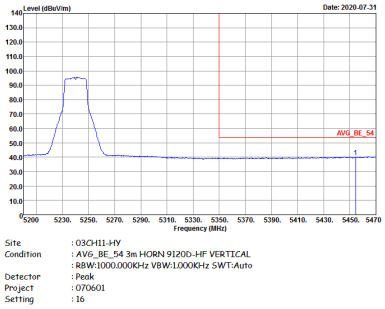
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

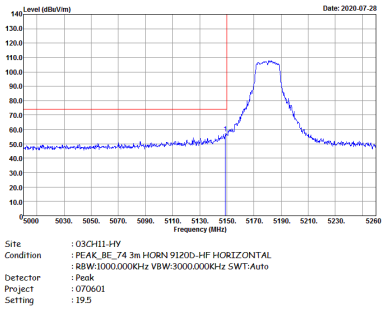
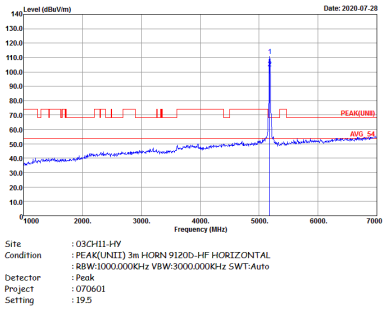
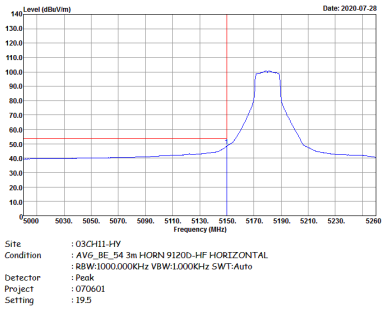
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

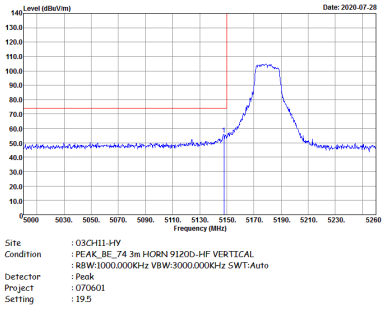
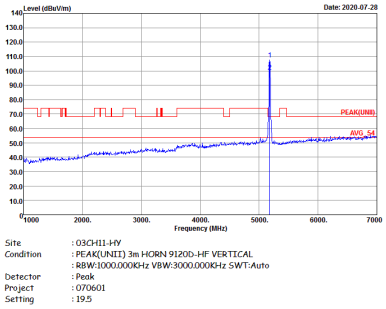
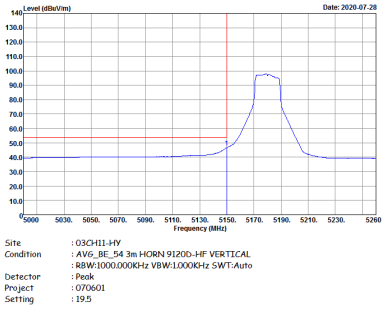
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

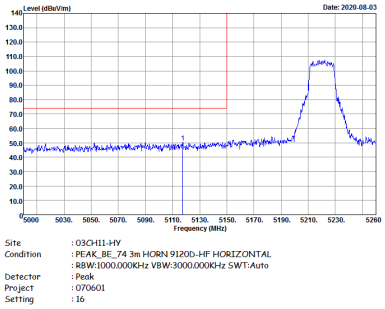
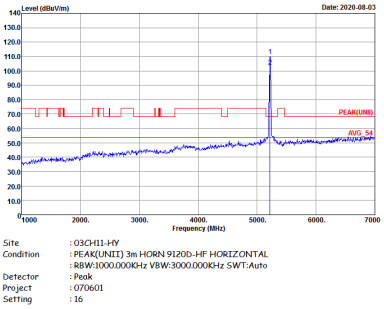
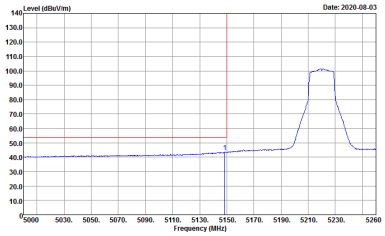
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

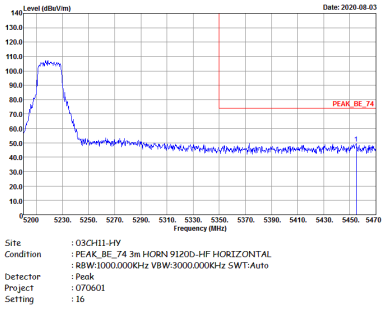
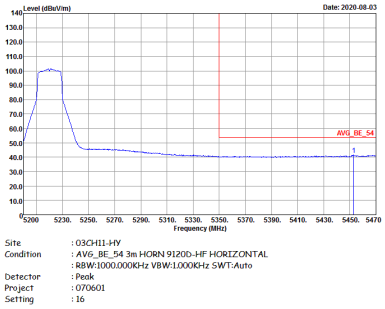
Band 1 5150~5250MHz

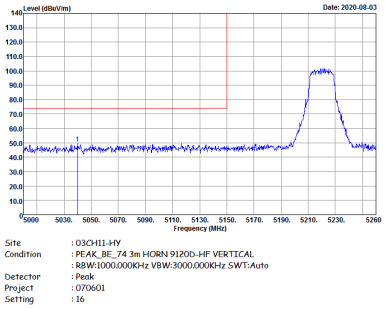
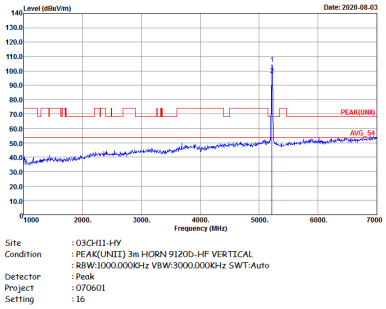
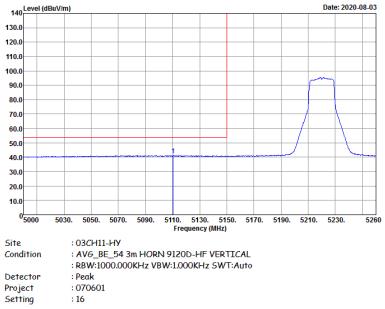
WIFI 802.11ac VHT20 (Band Edge @ 3m)

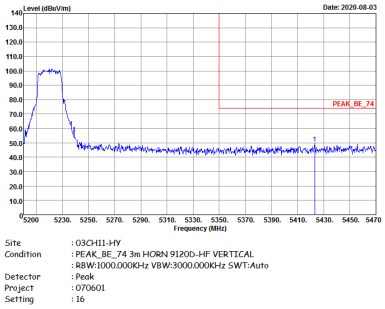
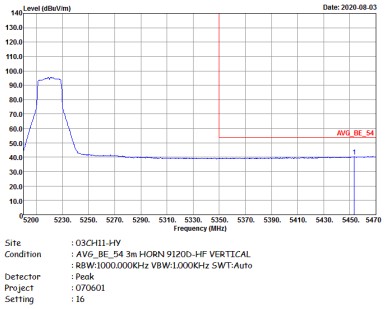
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

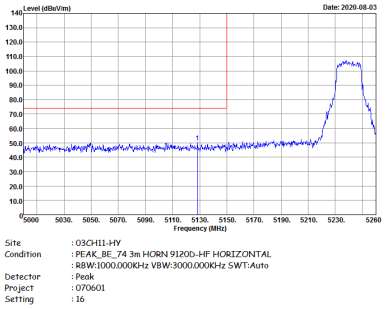
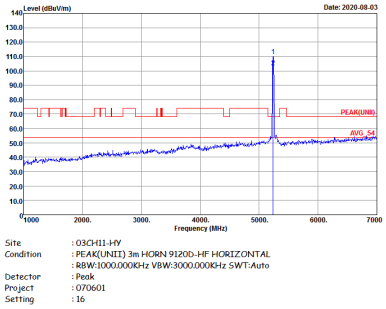
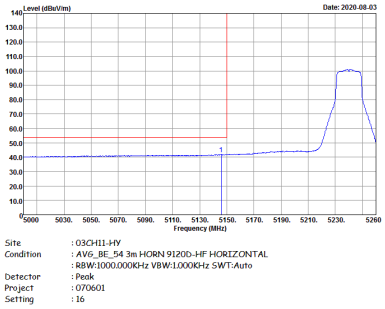
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

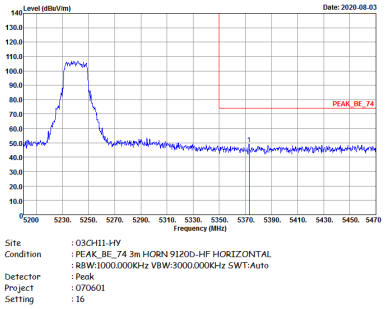
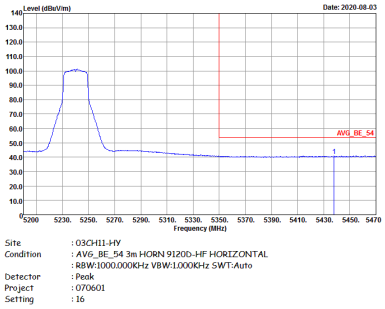
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 16	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 16
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 16	Left blank

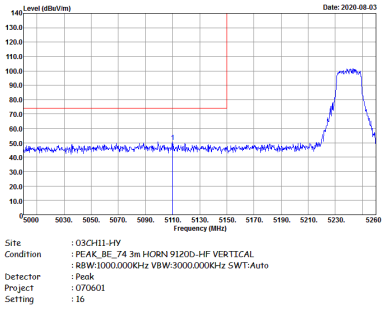
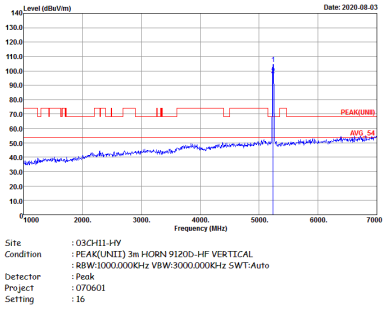
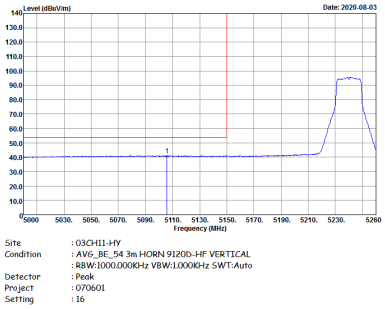
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

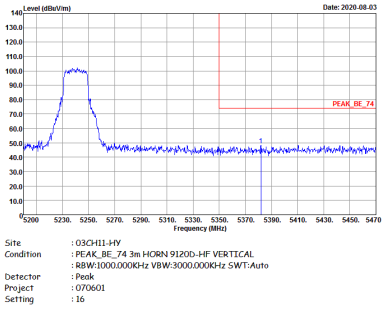
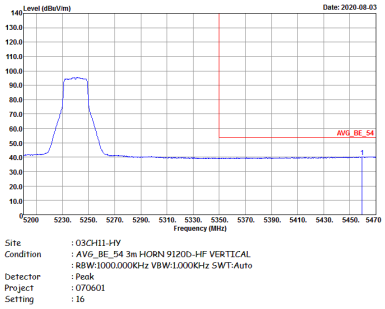
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

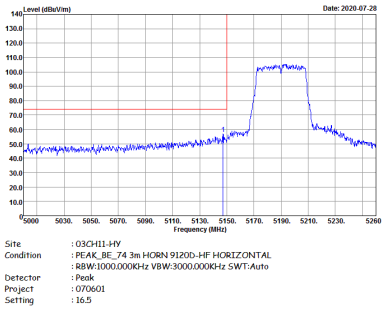
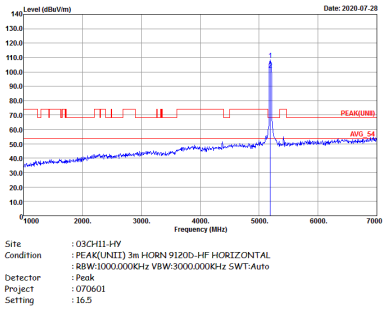
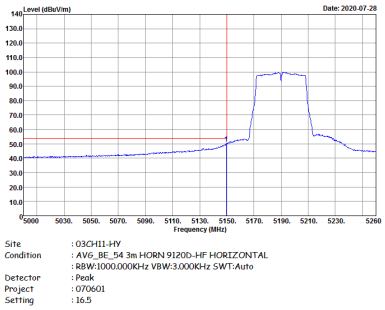
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

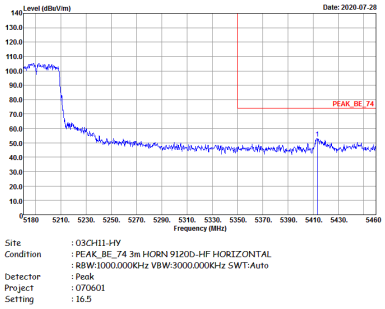
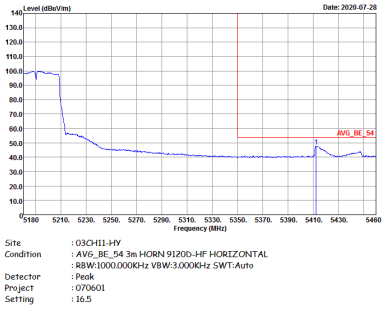
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

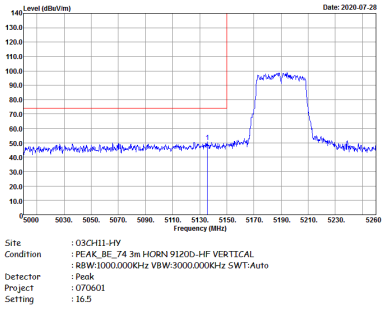
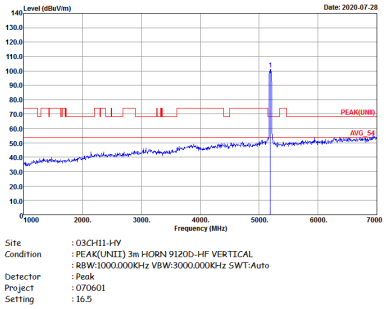
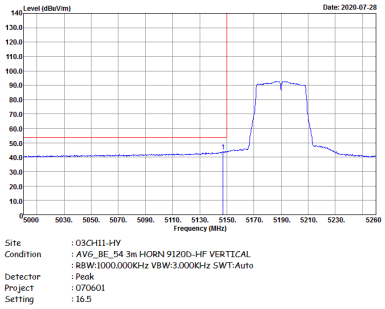
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

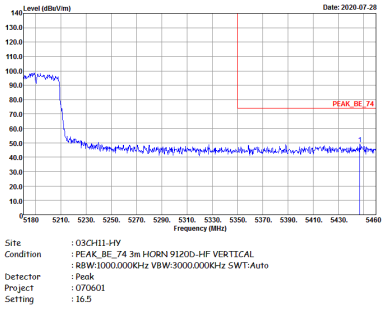
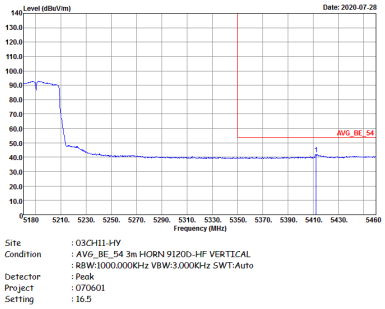
Band 1 5150~5250MHz

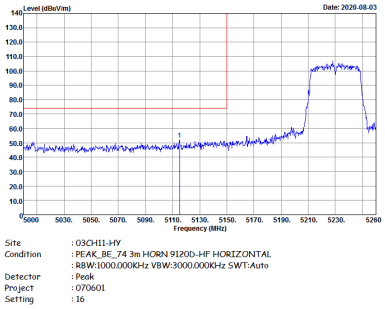
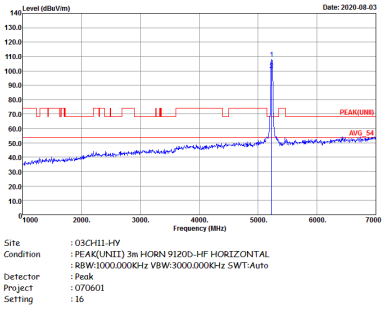
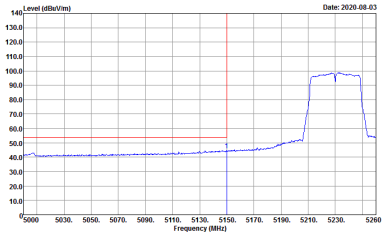
WIFI 802.11ac VHT40 (Band Edge @ 3m)

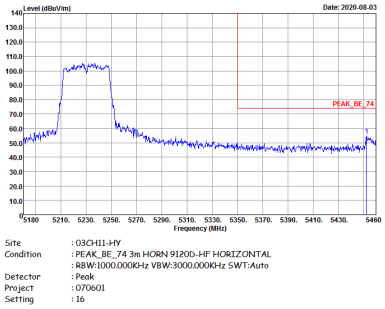
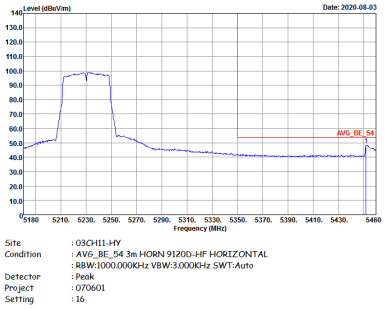
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

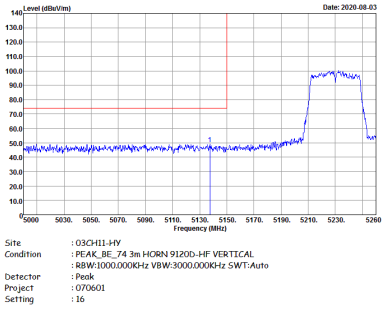
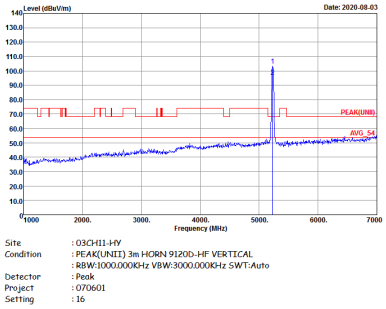
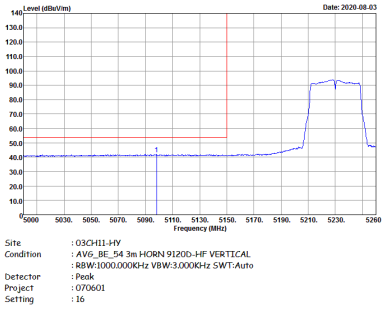
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

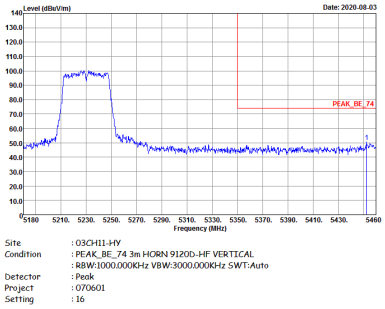
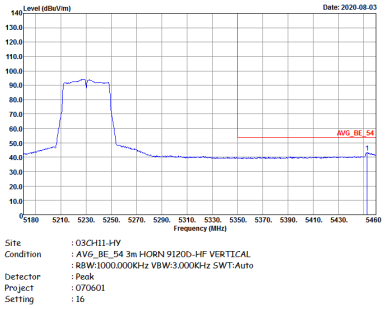
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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 : 070601 Setting : 16	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 16
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 16	Left blank

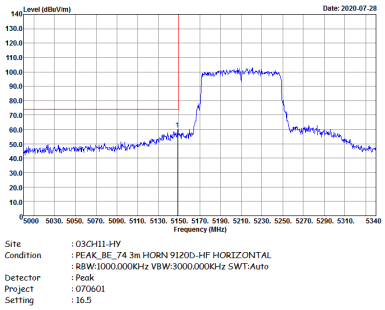
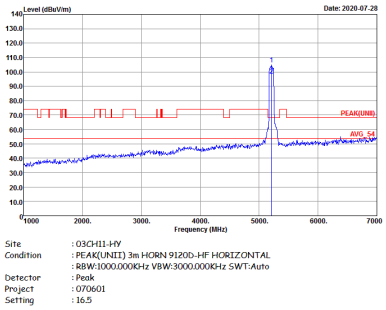
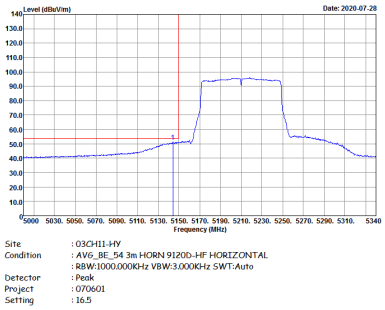
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

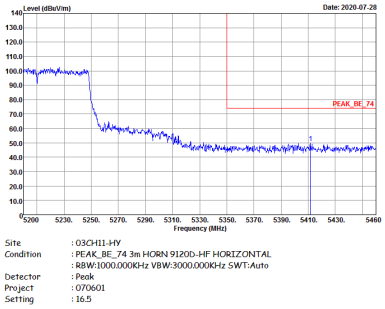
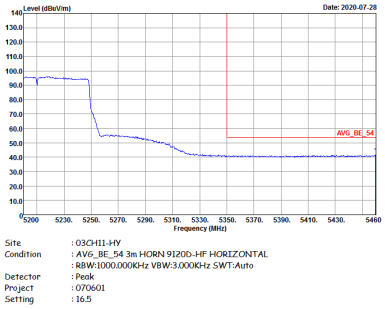
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

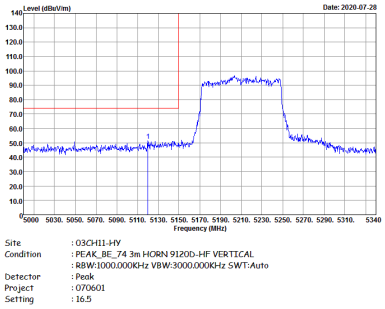
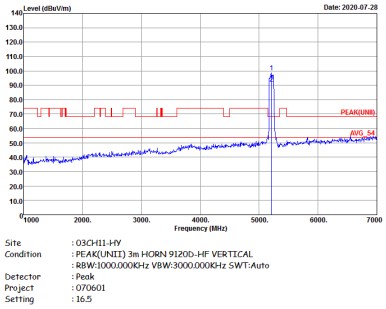
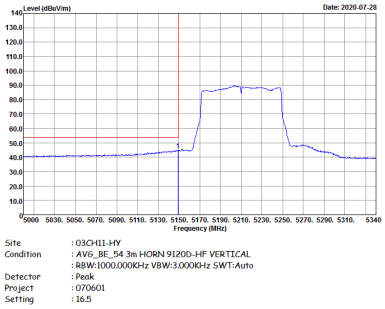
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

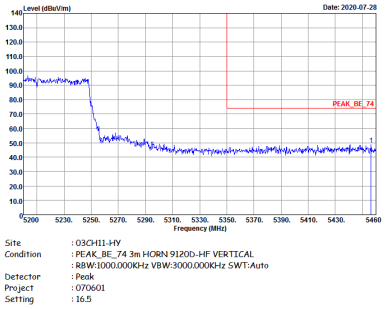
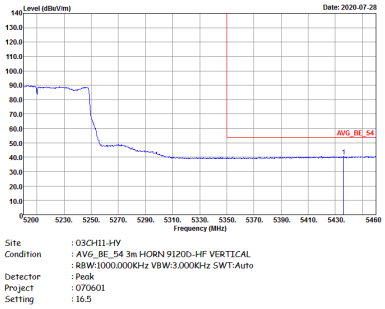
Band 1 5150~5250MHz

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

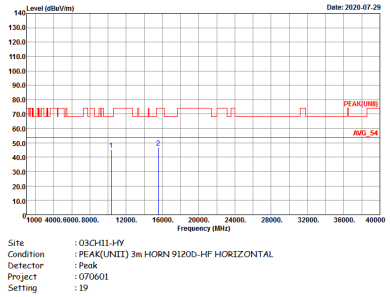
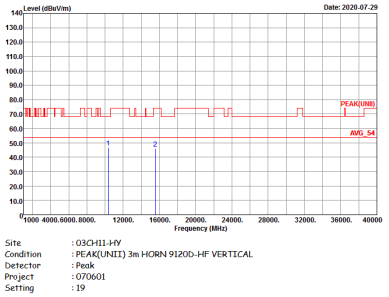
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

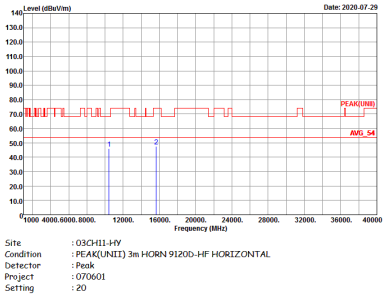
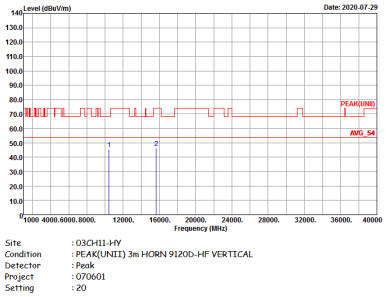
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

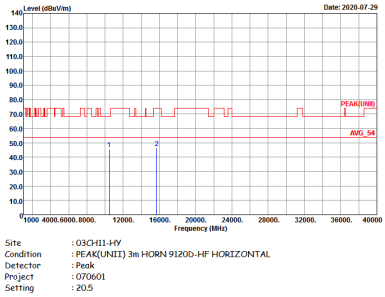
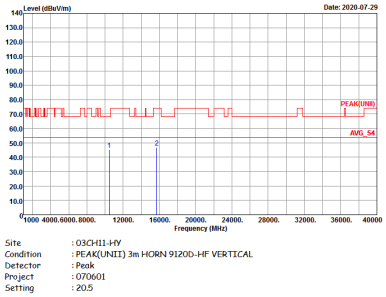
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

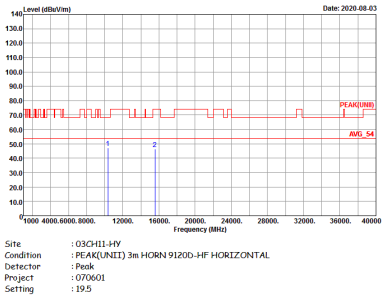
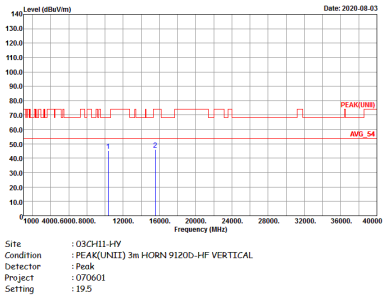
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

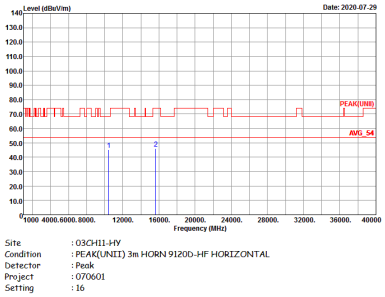
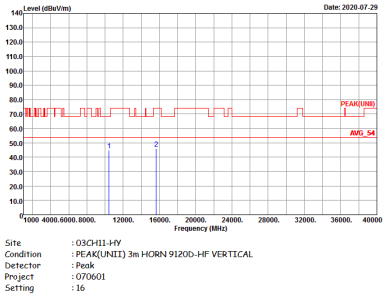
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

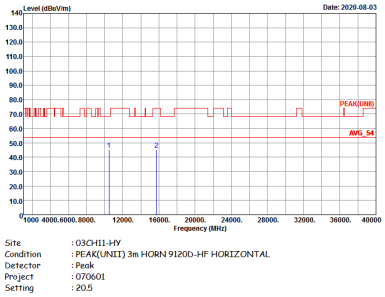
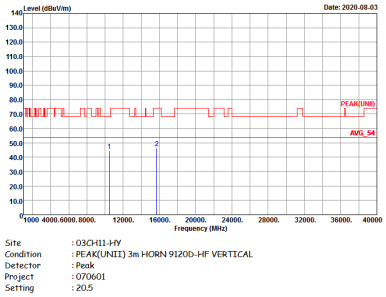
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

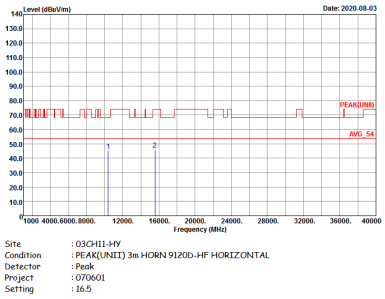
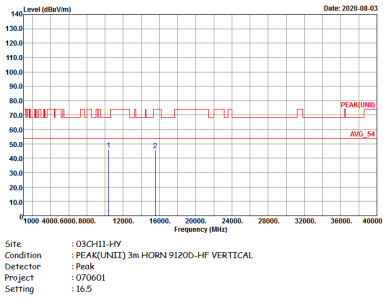
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

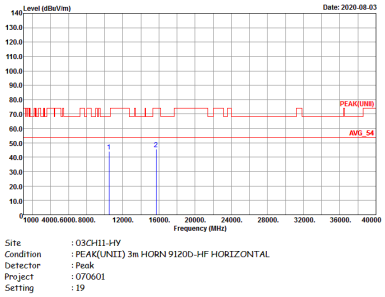
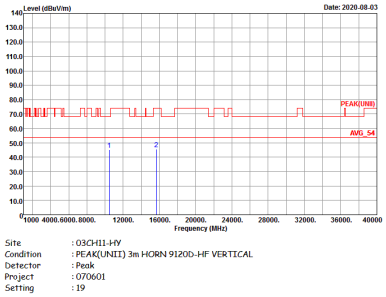
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 1 5150~5250MHz

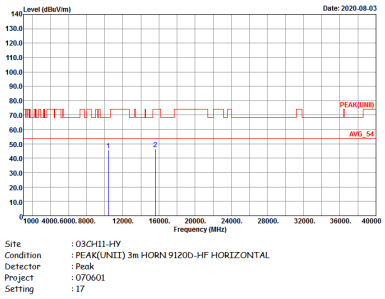
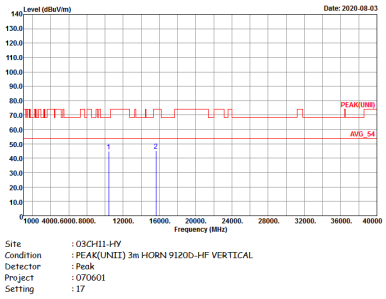
WIFI 802.11ac VHT40 (Harmonic @ 3m)

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.		

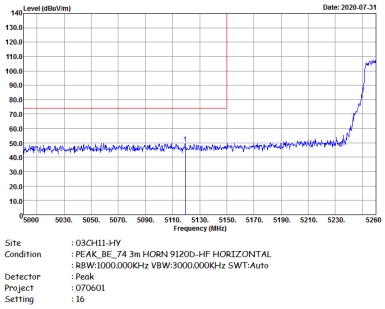
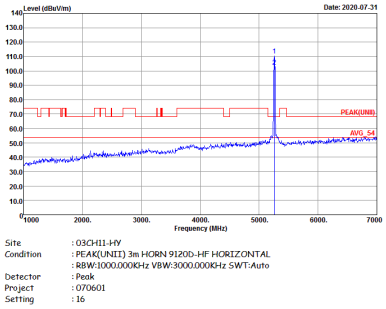
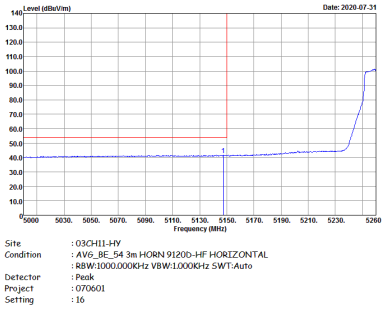
Band 1 5150~5250MHz

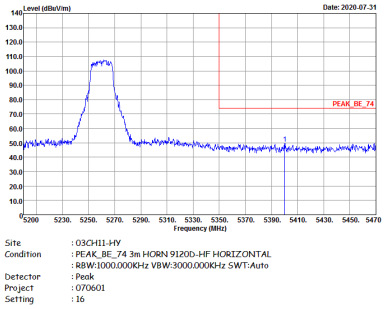
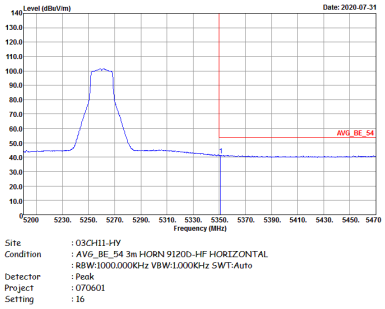
WIFI 802.11ac VHT80 (Harmonic @ 3m)

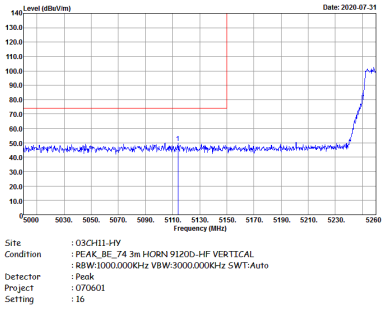
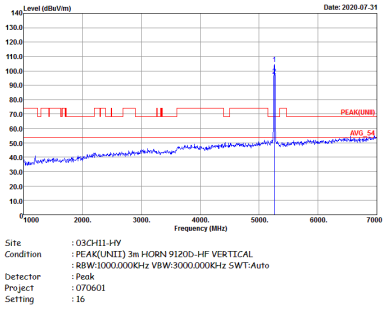
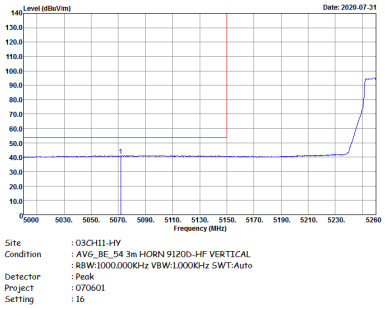
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

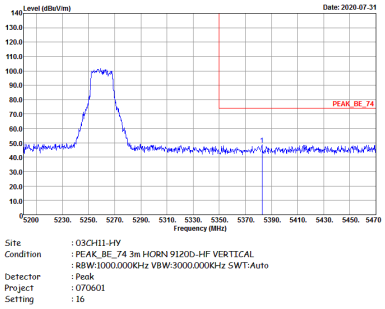
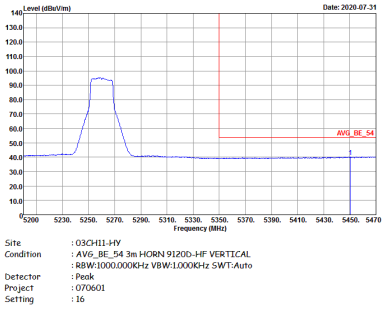
Band 2 - 5250~5350MHz

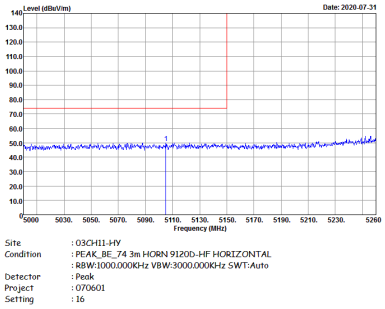
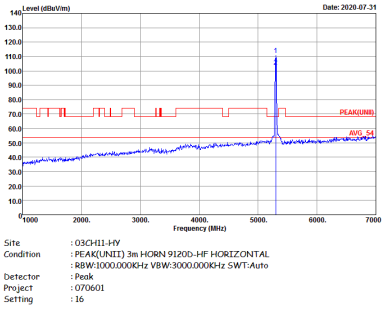
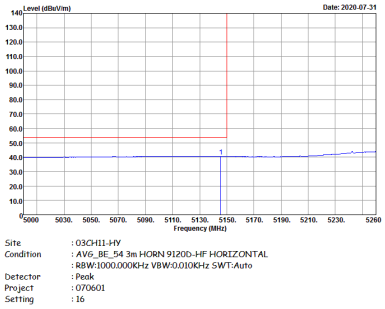
WIFI 802.11a (Band Edge @ 3m)

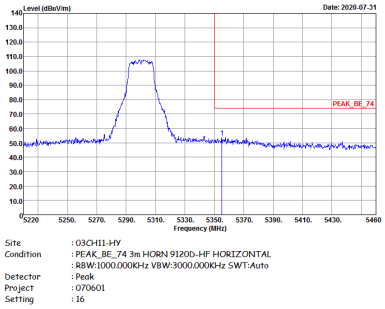
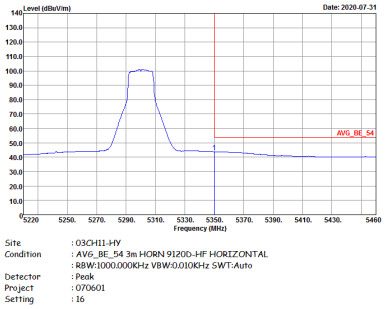
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

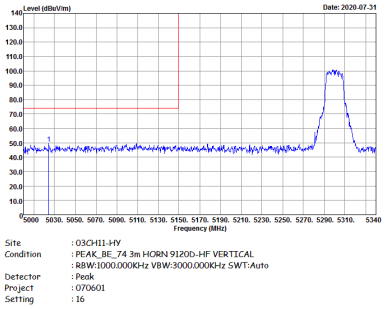
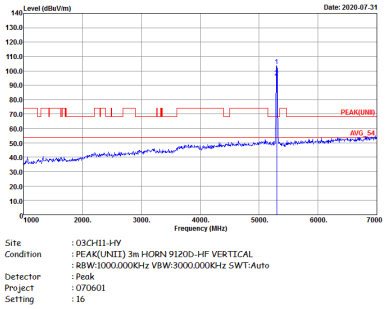
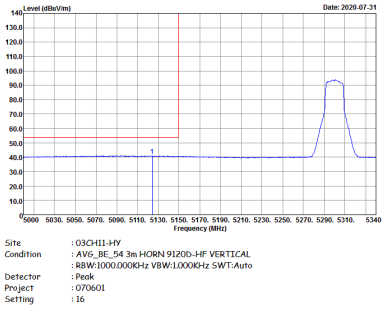
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

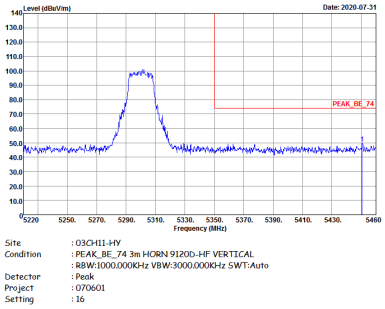
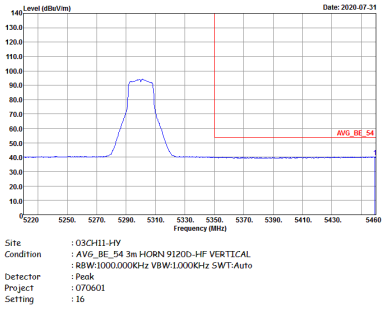
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

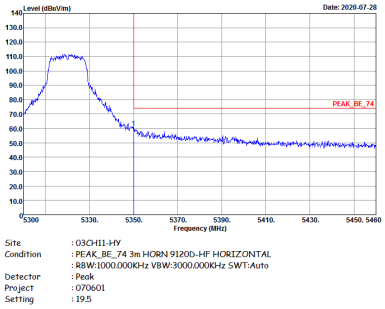
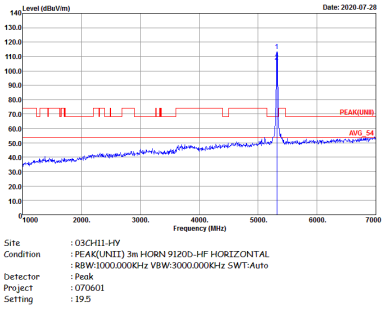
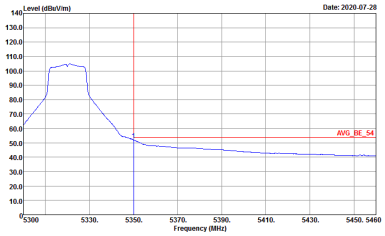
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

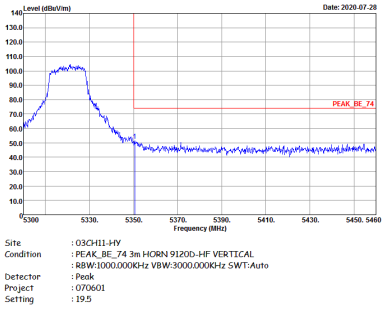
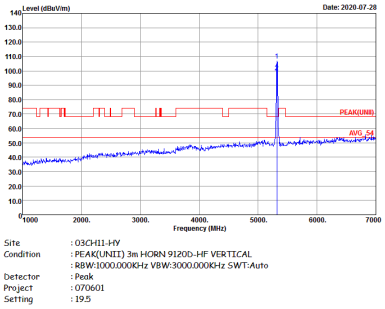
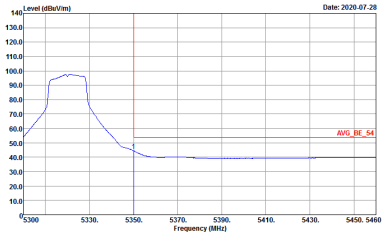
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

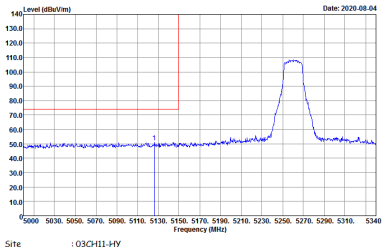
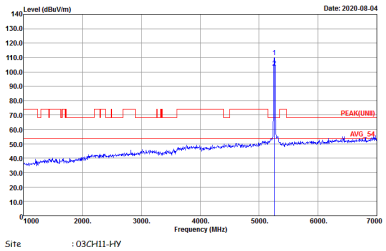
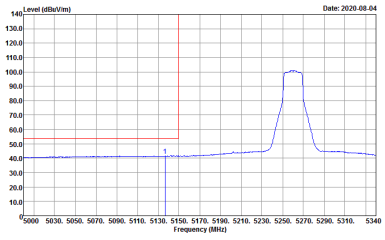
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

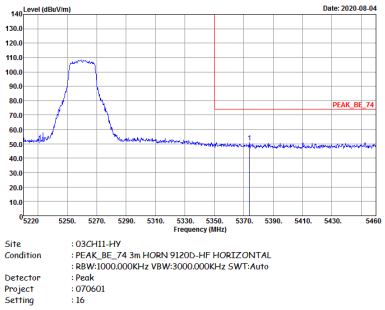
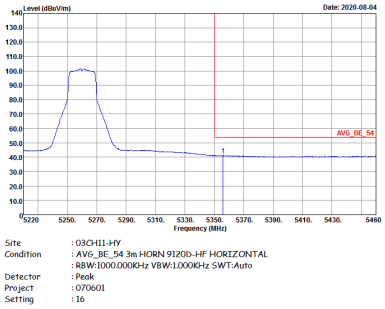
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 19.5	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 19.5
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601 Setting : 19.5	Left blank

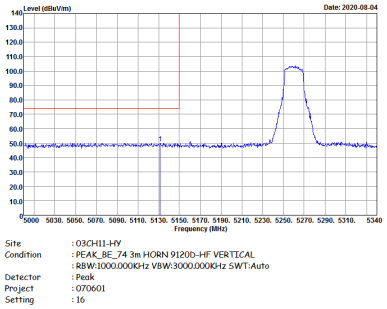
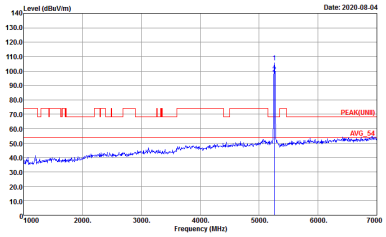
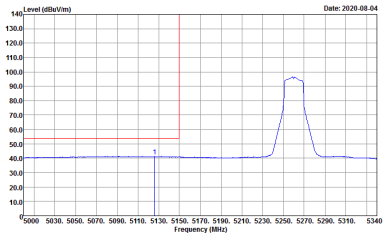
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 19.5	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 19.5
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601 Setting : 19.5	Left blank

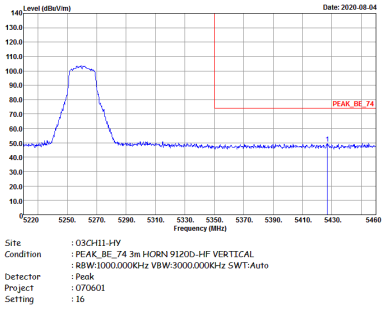
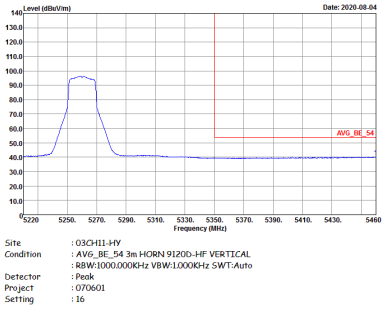
Band 2 5250~5350MHz

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	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 16	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 16
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 070601 Setting : 16	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