FCC RADIO TEST REPORT

FCC ID	:	UZ7WT63B0
Equipment	:	WT6300 Wearable Computer
Brand Name	:	Zebra
Model Name	:	WT63B0
Applicant	:	Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742
Manufacturer	:	Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on Aug. 12, 2020 and testing was started from Aug. 17, 2020 and completed on Sep. 23, 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
FR072944E	01	Initial issue of report	Sep. 29, 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 1.12 dB at 5150.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 7.49 dB at 13.560 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: Tina Chuang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	WT6300 Wearable Computer
Brand Name	Zebra
Model Name	WT63B0
FCC ID	UZ7WT63B0
EUT supports Radios application	NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	EV2.5
SW Version	10-14-10.00-QC-U01-PRD-HEL-04
OS Version	Android 10
FW Version	FUSION_QA_2_1.3.0.006_Q
MFD	29JUL20
EUT Stage	Engineering Sample

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

Specification of Accessories				
AC Adapter 1	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
AC Adapter 2	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0WW
AC Adapter 3	**Brand Name**	Zebra	**Part Number**	PWR-BUA5V16W0WW
Battery 1	**Brand Name**	Zebra	**Part Number**	BT000262A01
Battery 2	**Brand Name**	Zebra	**Part Number**	BT-000262-50
Battery 3	**Brand Name**	Zebra	**Part Number**	BT-000362-00
AC Power Cable	**Brand Name**	Zebra	**Part Number**	50-16000-182R
DC Cable	**Brand Name**	Zebra	**Part Number**	CBL-DC-383A1-01
USB Cable	**Brand Name**	Zebra	**Part Number**	CBL-NGWT-USBCHG-01
Vibrating Cable	**Brand Name**	Zebra	**Part Number**	CBL-NGWT-HDVBAP-01
Audio Cable 1	**Brand Name**	Zebra	**Part Number**	CBL-HS2100-12S1-01
Audio Cable 2	**Brand Name**	Zebra	**Part Number**	CBL-HS3100-CUC1-01
Keyboard	**Brand Name**	Zebra	**Part Number**	KYPD-WT6XANFASM-01
Scanner 1	**Brand Name**	Zebra	**Part Number**	RS51B0-TBSNWR
Scanner 2	**Brand Name**	Zebra	**Part Number**	RS60B0-SRSTWR
Scanner 3	**Brand Name**	Zebra	**Part Number**	RS4000-HPCSWR
Scanner 4	**Brand Name**	Zebra	**Part Number**	RS5000-LCFSWR
Earphone 1	**Brand Name**	Zebra	**Part Number**	HS2100-OTH
Earphone 2	**Brand Name**	Zebra	**Part Number**	HS3100-OTH
Wrist Mount	**Brand Name**	Zebra	**Part Number**	SG-NGWT-WRMTS-01
Wrist Mount	**Brand Name**	Zebra	**Part Number**	SG-NGWT-WRMTL-01
Wrist Mount	**Brand Name**	Zebra	**Part Number**	SG-NGWT-WRMTXL-01
Hip Mount	**Brand Name**	Zebra	**Part Number**	SG-NGWT-HPMNT-01

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 : 21.20 dBm / 0.1318 W 802.11n HT20 : 20.70 dBm / 0.1175 W 802.11n HT40 : 17.70 dBm / 0.0589 W 802.11ac VHT20: 20.80 dBm / 0.1202 W 802.11ac VHT40: 17.80 dBm / 0.0603 W 802.11ac VHT80: 15.20 dBm / 0.0331 W **<Ant. 2>** 802.11a : 20.90 dBm / 0.1230 W 802.11n HT20 : 19.80 dBm / 0.0955 W 802.11n HT40 : 20.40 dBm / 0.1096 W 802.11ac VHT20: 19.90 dBm / 0.0977 W 802.11ac VHT40: 20.50 dBm / 0.1122 W 802.11ac VHT80: 16.80 dBm / 0.0479 W **MIMO <Ant. 1+2>** 802.11a : 21.06 dBm / 0.1276 W 802.11n HT20 : 20.96 dBm / 0.1247 W 802.11n HT40 : 21.41 dBm / 0.1384 W 802.11ac VHT20: 21.06 dBm / 0.1276 W 802.11ac VHT40: 21.51 dBm / 0.1416 W 802.11ac VHT80: 18.36 dBm / 0.0685 W **<5260 MHz ~ 5320 MHz>** **<Ant. 1>** 802.11a : 20.30 dBm / 0.1072 W 802.11n HT20 : 20.30 dBm / 0.1072 W 802.11n HT40 : 18.00 dBm / 0.0631 W 802.11ac VHT20: 20.40 dBm / 0.1096 W 802.11ac VHT40: 18.10 dBm / 0.0646 W 802.11ac VHT80: 14.40 dBm / 0.0275 W **<Ant. 2>** 802.11a : 20.80 dBm / 0.1202 W 802.11n HT20 : 19.80 dBm / 0.0955 W 802.11n HT40 : 19.60 dBm / 0.0912 W 802.11ac VHT20: 19.90 dBm / 0.0977 W 802.11ac VHT40: 19.70 dBm / 0.0933 W 802.11ac VHT80: 16.20 dBm / 0.0417 W **MIMO <Ant. 1+2>** 802.11a : 21.31 dBm / 0.1352 W 802.11n HT20 : 21.21 dBm / 0.1321 W 802.11n HT40 : 22.91 dBm / 0.1954 W 802.11ac VHT20: 21.31 dBm / 0.1352 W 802.11ac VHT40: 23.01 dBm / 0.2000 W 802.11ac VHT80: 17.96 dBm / 0.0625 W

Product Specification subjective to this standard	
Maximum Output Power to Antenna <CDD Mode>	**<5500 MHz ~ 5720 MHz>** **<Ant. 1>** 802.11a : 21.00 dBm / 0.1259 W 802.11n HT20 : 21.20 dBm / 0.1318 W 802.11n HT40 : 20.30 dBm / 0.1072 W 802.11ac VHT20: 21.30 dBm / 0.1349 W 802.11ac VHT40: 20.40 dBm / 0.1096 W 802.11ac VHT80: 21.00 dBm / 0.1259 W **<Ant. 2>** 802.11a : 21.00 dBm / 0.1259 W 802.11n HT20 : 21.10 dBm / 0.1288 W 802.11n HT40 : 20.40 dBm / 0.1096 W 802.11ac VHT20: 21.20 dBm / 0.1318 W 802.11ac VHT40: 20.50 dBm / 0.1122 W 802.11ac VHT80: 21.00 dBm / 0.1259 W **MIMO <Ant. 1+2>** 802.11a : 20.37 dBm / 0.1089 W 802.11n HT20 : 20.53 dBm / 0.1130 W 802.11n HT40 : 23.26 dBm / 0.2118 W 802.11ac VHT20: 20.63 dBm / 0.1156 W 802.11ac VHT40: 23.36 dBm / 0.2168 W 802.11ac VHT80: 23.66 dBm / 0.2323 W
Maximum Output Power to Antenna <TXBF Mode>	**MIMO <Ant. 1+2>** **<5180 MHz ~ 5240 MHz>** 802.11ac VHT20: 19.84 dBm / 0.0964 W 802.11ac VHT40: 22.37 dBm / 0.1726 W 802.11ac VHT80: 17.51 dBm / 0.0564 W **<5260 MHz ~ 5320 MHz>** 802.11ac VHT20: 19.72 dBm / 0.0938 W 802.11ac VHT40: 21.66 dBm / 0.1466 W 802.11ac VHT80: 16.96 dBm / 0.0497 W **<5500 MHz ~ 5720 MHz>** 802.11ac VHT20: 19.16 dBm / 0.0824 W 802.11ac VHT40: 22.36 dBm / 0.1722 W 802.11ac VHT80: 22.18 dBm / 0.1652 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 : 35.85 MHz
802.11ac VHT20 : 35.60 MHz
802.11ac VHT40 : 61.60 MHz
802.11ac VHT80 : 88.92 MHz
<Ant. 2>
802.11a : 33.55 MHz
802.11ac VHT20 : 23.90 MHz
802.11ac VHT40 : 59.40 MHz
802.11ac VHT80 : 77.16 MHz
MIMO <Ant. 1>
802.11a : 17.05 MHz
802.11ac VHT20 : 18.05 MHz
802.11ac VHT40 : 63.00 MHz
802.11ac VHT80 : 78.12 MHz
MIMO <Ant. 2>
802.11a : 16.85 MHz
802.11ac VHT20 : 18.15 MHz
802.11ac VHT40 : 42.40 MHz
802.11ac VHT80 : 77.28 MHz</td></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Mode></td><td>MIMO <Ant. 1>
802.11ac VHT20 : 17.85 MHz
802.11ac VHT40 : 70.00 MHz
802.11ac VHT80 : 77.64 MHz
MIMO <Ant. 2>
802.11ac VHT20 : 19.35 MHz
802.11ac VHT40 : 63.20 MHz
802.11ac VHT80 : 77.76 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 1 : Patch Antenna with gain 3.0 dBi
Ant. 2 : Patch Antenna with gain 4.1 dBi
<5260 MHz ~ 5320 MHz>
Ant. 1 : Patch Antenna with gain 3.0 dBi
Ant. 2 : Patch Antenna with gain 4.1 dBi
<5500 MHz ~ 5720 MHz>
Ant. 1 : Patch Antenna with gain 3.3 dBi
Ant. 2 : Patch Antenna with gain 4.8 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	03CH07-HY

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

FCC designation No.: TW1190

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 (X plane) were recorded in this report.

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
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 On + Color Bar + Battery 1 + Scanner 1 + Earphone 1 + Audio Cable 1 + USB Cable (Data Link with Notebook) + AC Adapter 3

Remark:

1. For Radiated Test Cases, the tests were performed with Adapter 1, Battery 1.
2. Data Link with Notebook means data application transferred mode between EUT and Notebook.

<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

<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

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

<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	18.50	CH 044	21.10	21.10	20.90	20.90	20.80	20.80	21.00
CH 044	5220	21.20								
CH 048	5240	19.00								
CH 052	5260	20.30	CH 052	20.20	20.20	20.20	20.10	20.00	20.00	20.00
CH 060	5300	20.30								
CH 064	5320	16.70								
CH 100	5500	20.60	CH 116	20.90	20.90	20.90	20.80	20.80	20.80	20.80
CH 116	5580	21.00								
CH 140	5700	19.90								
CH 144*	5720	21.00								

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	18.20	CH 044	20.60	20.60	20.60	20.10	20.20	20.10	20.10
CH 044	5220	20.70								
CH 048	5240	19.60								
CH 052	5260	20.30	CH 052	20.20	20.20	20.20	20.00	20.00	20.00	20.00
CH 060	5300	20.20								
CH 064	5320	17.10								
CH 100	5500	20.30	CH 116	21.10	21.10	21.10	21.00	21.00	21.00	21.00
CH 116	5580	21.20								
CH 140	5700	19.80								
CH 144*	5720	21.10								

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	15.00	CH 046	17.60	17.60	17.50	17.50	17.50	17.50	17.50
CH 046	5230	17.70								
CH 054	5270	18.00	CH 054	17.90	17.90	17.90	17.80	17.80	17.80	17.80
CH 062	5310	14.20								
CH 102	5510	20.20	CH 134	20.20	20.20	20.20	20.10	20.10	20.10	20.10
CH 110	5550	20.00								
CH 134	5670	20.30								
CH 142*	5710	20.20								

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	18.30	CH 044	20.70	20.70	20.70	20.20	20.30	20.20	20.20	20.20
CH 044	5220	20.80									
CH 048	5240	19.70									
CH 052	5260	20.40	CH 052	20.30	20.30	20.30	20.10	20.10	20.10	20.10	20.10
CH 060	5300	20.30									
CH 064	5320	17.20									
CH 100	5500	20.40	CH 116	21.20	21.20	21.20	21.10	21.10	21.10	21.10	21.10
CH 116	5580	21.30									
CH 140	5700	19.90									
CH 144*	5720	21.20									

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	15.10	CH 046	17.70	17.70	17.60	17.60	17.60	17.60	17.60	17.60	17.50
CH 046	5230	17.80										
CH 054	5270	18.10	CH 054	18.00	18.00	18.00	17.90	17.90	17.90	17.90	17.90	17.90
CH 062	5310	14.30										
CH 102	5510	20.30	CH 134	20.30	20.30	20.30	20.20	20.20	20.20	20.20	20.20	20.20
CH 110	5550	20.10										
CH 134	5670	20.40										
CH 142*	5710	20.30										

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	15.20	CH 042	15.10	15.10	15.10	15.10	15.10	15.10	15.10	15.10	15.00
CH 058	5290	14.40	CH 058	14.30	14.30	14.30	14.30	14.30	14.30	14.30	14.30	14.30
CH 106	5530	19.30	CH 122	20.90	20.90	20.90	20.70	20.70	20.70	20.70	20.70	20.70
CH 122	5610	21.00										
CH 138*	5690	20.80										

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	19.40	CH 044	20.80	20.80	20.80	20.80	20.50	20.50	20.50
CH 044	5220	20.90								
CH 048	5240	20.60								
CH 052	5260	20.60	CH 060	20.70	20.70	20.70	20.70	20.60	20.60	20.60
CH 060	5300	20.80								
CH 064	5320	19.80								
CH 100	5500	19.70	CH 116	20.90	20.90	20.90	20.90	20.90	20.70	20.70
CH 116	5580	21.00								
CH 140	5700	20.50								
CH 144*	5720	20.60								

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	18.80	CH 044	19.70	19.70	19.60	19.70	19.70	19.70	19.70
CH 044	5220	19.80								
CH 048	5240	19.60								
CH 052	5260	19.60	CH 060	19.70	19.70	19.70	19.50	19.50	19.50	19.50
CH 060	5300	19.80								
CH 064	5320	19.60								
CH 100	5500	19.40	CH 140	21.00	21.00	21.00	21.00	21.00	20.90	20.90
CH 116	5580	19.90								
CH 140	5700	21.10								
CH 144*	5720	21.00								

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	17.20	CH 046	20.30	20.30	20.30	20.20	20.20	20.10	20.00
CH 046	5230	20.40								
CH 054	5270	19.60	CH 054	19.50	19.50	19.50	19.40	19.40	19.40	19.40
CH 062	5310	17.20								
CH 102	5510	20.30	CH 142	20.30	20.30	20.30	20.30	20.30	20.30	20.30
CH 110	5550	20.30								
CH 134	5670	20.30								
CH 142*	5710	20.40								

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	18.90	CH 044	19.80	19.80	19.70	19.80	19.80	19.80	19.80	19.80
CH 044	5220	19.90									
CH 048	5240	19.70									
CH 052	5260	19.70	CH 060	19.80	19.80	19.80	19.60	19.60	19.60	19.60	19.60
CH 060	5300	19.90									
CH 064	5320	19.70									
CH 100	5500	19.50	CH 140	21.10	21.10	21.10	21.10	21.10	21.00	21.00	21.00
CH 116	5580	20.00									
CH 140	5700	21.20									
CH 144*	5720	21.10									

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	17.30	CH 046	20.40	20.40	20.40	20.30	20.30	20.20	20.10	20.10	20.10
CH 046	5230	20.50										
CH 054	5270	19.70	CH 054	19.60	19.60	19.60	19.50	19.50	19.50	19.50	19.50	19.50
CH 062	5310	17.30										
CH 102	5510	20.40	CH 102	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.30	20.30
CH 110	5550	20.40										
CH 134	5670	20.40										
CH 142*	5710	20.50										

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	16.80	CH 042	16.70	16.70	16.70	16.70	16.70	16.70	16.70	16.70	16.60
CH 058	5290	16.20	CH 058	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10
CH 106	5530	17.80	CH 106	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.80
CH 122	5610	21.00										
CH 138*	5690	20.90										

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	20.96	CH 048	20.91	20.81	20.81	20.76	20.76	20.76	20.76
CH 044	5220	20.91								
CH 048	5240	21.06								
CH 052	5260	20.96	CH 060	21.21	21.21	21.21	21.06	21.07	21.16	21.16
CH 060	5300	21.31								
CH 064	5320	21.27								
CH 100	5500	20.13	CH 140	20.27	20.21	20.17	20.22	20.22	20.17	20.17
CH 116	5580	20.22								
CH 140	5700	20.37								
CH 144*	5720	20.27								

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	20.71	CH 048	20.86	20.81	20.81	20.71	20.76	20.71	20.76
CH 044	5220	20.76								
CH 048	5240	20.96								
CH 052	5260	20.81	CH 064	21.11	21.06	21.01	21.01	20.96	20.96	20.96
CH 060	5300	21.21								
CH 064	5320	20.21								
CH 100	5500	20.53	CH 140	20.43	20.43	20.43	20.43	20.43	20.37	20.33
CH 116	5580	20.48								
CH 140	5700	20.07								
CH 144*	5720	20.17								

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	17.47	CH 046	21.31	21.31	21.31	21.26	21.26	21.21	21.26
CH 046	5230	21.41								
CH 054	5270	22.91	CH 054	22.81	22.81	22.81	22.71	22.71	22.71	22.71
CH 062	5310	18.47								
CH 102	5510	19.94	CH 142*	23.16	23.16	23.16	23.11	23.11	23.11	23.11
CH 110	5550	23.21								
CH 134	5670	23.01								
CH 142*	5710	23.26								

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	20.81	CH 048	20.96	20.91	20.91	20.81	20.86	20.81	20.86	20.76
CH 044	5220	20.86									
CH 048	5240	21.06									
CH 052	5260	20.91	CH 064	21.21	21.16	21.11	21.11	21.06	21.06	21.06	21.06
CH 060	5300	21.31									
CH 064	5320	20.31									
CH 100	5500	20.63	CH 140	20.53	20.53	20.53	20.53	20.53	20.47	20.43	20.43
CH 116	5580	20.58									
CH 140	5700	20.17									
CH 144*	5720	20.57									

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	MCS 5	MCS6	MCS7	MCS8	MCS 9
CH 038	5190	17.57	CH 046	21.41	21.41	21.41	21.36	21.36	21.31	21.36	21.36	21.31
CH 046	5230	21.51										
CH 054	5270	23.01	CH 054	22.91	22.91	22.91	22.81	22.81	22.81	22.81	22.81	22.71
CH 062	5310	18.57										
CH 102	5510	20.04	CH 142*	23.26	23.26	23.26	23.21	23.21	23.21	23.21	23.21	23.11
CH 110	5550	23.31										
CH 134	5670	23.11										
CH 142*	5710	23.36										

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	18.36	CH 042	18.11	18.21	18.21	18.21	18.21	18.16	18.11	18.11	18.11
CH 058	5290	17.96	CH 058	17.76	17.86	17.81	17.86	17.81	17.86	17.86	17.81	17.86
CH 106	5530	20.13	CH 138*	23.56	23.41	23.41	23.41	23.41	23.41	23.41	23.41	23.31
CH 122	5610	23.62										
CH 138*	5690	23.66										

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	19.84	CH 048	19.70	19.74	19.74	19.74	19.74	19.64	19.44	19.44
CH 044	5220	19.58									
CH 048	5240	19.48									
CH 052	5260	19.72	CH 052	19.62	19.52	19.62	19.38	19.42	19.42	19.42	19.32
CH 060	5300	19.72									
CH 064	5320	19.42									
CH 100	5500	18.92	CH 140	18.89	18.59	18.89	18.69	18.69	18.59	18.69	18.69
CH 116	5580	18.99									
CH 140	5700	19.16									
CH 144*	5720	18.72									

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	17.62	CH 046	22.27	22.17	22.27	22.12	22.12	22.07	22.17	22.07	22.17
CH 046	5230	22.37										
CH 054	5270	21.66	CH 054	21.56	21.56	21.56	21.56	21.46	21.56	21.56	21.56	21.46
CH 062	5310	18.01										
CH 102	5510	21.93	CH 110	22.16	22.06	22.16	22.06	22.06	22.16	22.06	22.06	21.96
CH 110	5550	22.36										
CH 134	5670	22.18										
CH 142*	5710	22.21										

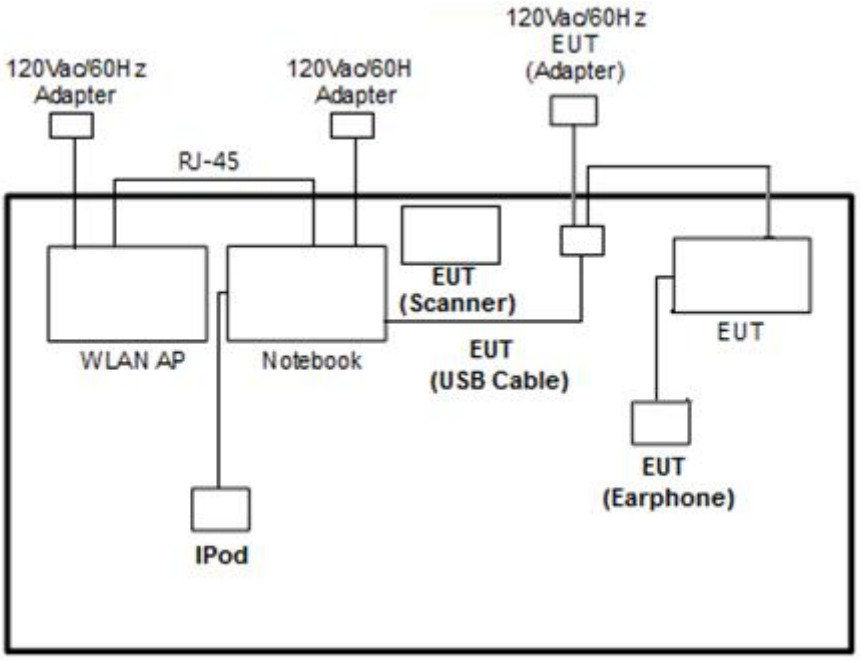
Note: The above Frequency and Channel in "*" were straddle Channel.

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	17.51	CH 042	17.41	17.41	17.36	17.41	17.41	17.41	17.41	17.41	17.31
CH 058	5290	16.96	CH 058	16.86	16.76	16.66	16.76	16.76	16.86	16.86	16.76	16.76
CH 106	5530	18.97	CH 122	22.07	22.07	21.87	21.97	21.87	21.87	21.87	21.87	21.77
CH 122	5610	22.17										
CH 138*	5690	22.07										

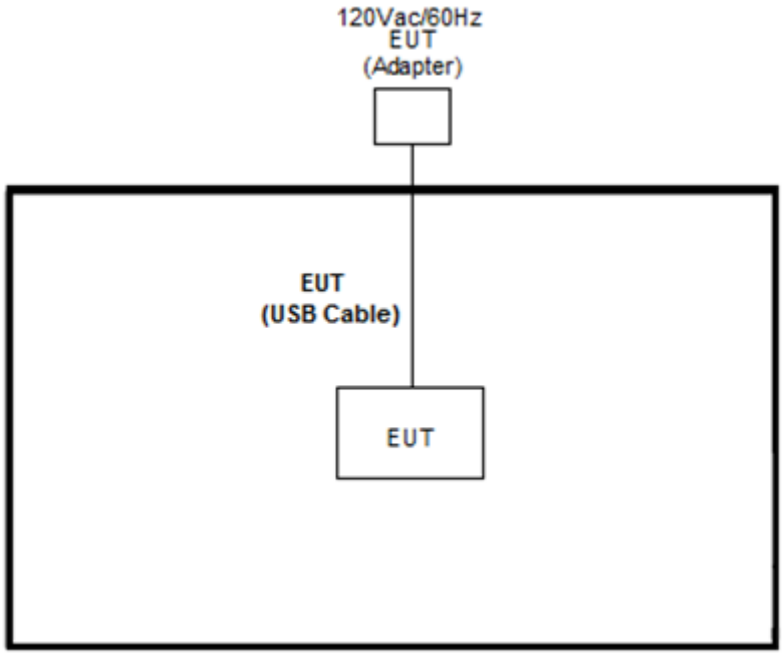
Note: The above Frequency and Channel in "*" were straddle Channel.

2.3 Connection Diagram of Test System

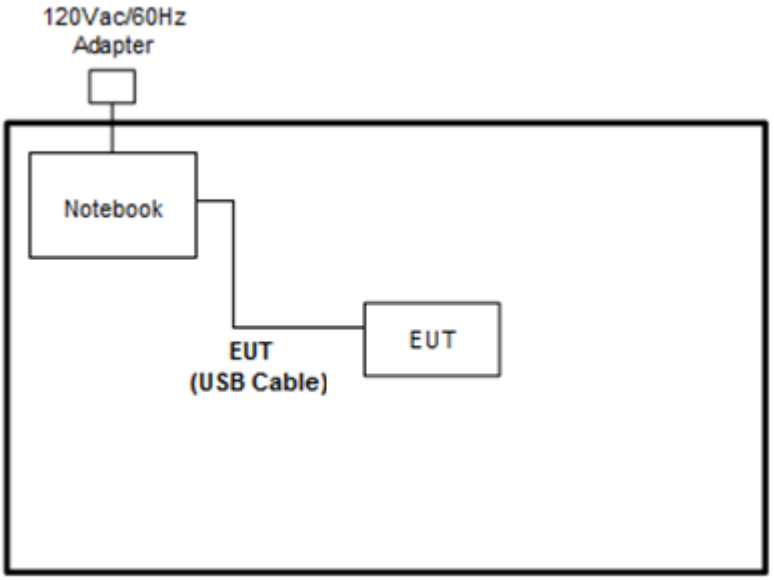
<AC Conducted Emission Mode>



<WLAN Tx 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.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	Lenovo	L570	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT_V4.0.00142.0” 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 :	Mina Liu	Temperature :	23.7~23.9℃
		Relative Humidity :	53.7~54.3%

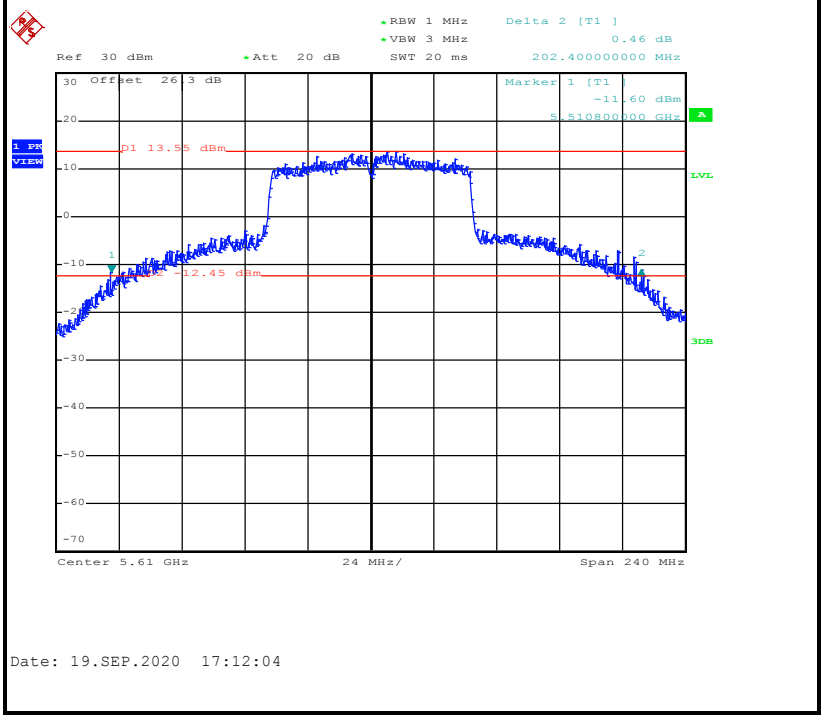
Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	17.20	17.25	31.92	30.40			22.36	22.37	-
11a	6Mbps	1	44	5220	31.85	20.85	51.25	36.40			23.01	23.01	
11a	6Mbps	1	48	5240	17.15	19.95	30.50	35.44			22.34	23.00	
VHT20	MCS0	1	36	5180	18.00	18.05	25.91	26.40			22.55	22.56	
VHT20	MCS0	1	44	5220	34.45	18.10	53.84	27.61			23.01	22.58	
VHT20	MCS0	1	48	5240	18.30	18.20	32.00	29.45			22.62	22.60	
VHT40	MCS0	1	38	5190	36.60	36.60	42.36	42.60			23.01	23.01	
VHT40	MCS0	1	46	5230	36.60	37.10	42.36	66.00			23.01	23.01	
VHT80	MCS0	1	42	5210	76.80	76.92	53.36	84.08			23.01	23.01	
11a	6Mbps	2	36	5180	16.80	16.80	24.72	25.84			22.25		
11a	6Mbps	2	44	5220	16.75	16.75	24.64	25.04			22.24		
11a	6Mbps	2	48	5240	16.90	16.75	26.16	25.20			22.24		
VHT20	MCS0	2	36	5180	17.95	17.95	26.72	24.93			22.54		
VHT20	MCS0	2	44	5220	17.95	17.90	25.51	25.56			22.53		
HT20	MCS0	2	48	5240	18.05	18.15	27.55	26.76			22.56		
VHT40	MCS0	2	38	5190	36.60	36.70	42.36	42.24			23.01		
VHT40	MCS0	2	46	5230	36.70	36.60	42.36	42.36			23.01		
VHT80	MCS0	2	42	5210	76.80	76.92	82.96	83.36			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	33.85	28.35	54.24	45.71	23.98	23.98	30.00	30.00	23.98	23.98	
11a	6Mbps	1	60	5300	34.65	33.55	54.84	51.56	23.98	23.98	30.00	30.00	23.98	23.98	
11a	6Mbps	1	64	5320	21.15	28.40	25.36	45.52	23.98	23.98	30.00	30.00	23.98	23.98	
VHT20	MCS0	1	52	5260	31.25	18.30	50.43	29.85	23.98	23.62	30.00	29.62	23.98	23.98	
VHT20	MCS0	1	60	5300	35.60	18.45	55.64	30.39	23.98	23.66	30.00	29.66	23.98	23.98	
VHT20	MCS0	1	64	5320	17.95	23.90	25.50	41.26	23.54	23.98	29.54	30.00	23.98	23.98	
VHT40	MCS0	1	54	5270	36.70	36.70	42.48	47.64	23.98	23.98	30.00	30.00	23.98	23.98	
VHT40	MCS0	1	62	5310	36.70	59.40	42.00	101.64	23.98	23.98	30.00	30.00	23.98	23.98	
VHT80	MCS0	1	58	5290	77.04	76.80	82.96	83.76	23.98	23.98	30.00	30.00	23.98	23.98	
11a	6Mbps	2	52	5260	17.05	16.85	26.79	25.92	23.27		29.27		23.98		-
11a	6Mbps	2	60	5300	16.90	16.80	26.48	25.75	23.25		29.25		23.98		
11a	6Mbps	2	64	5320	16.95	16.80	27.52	25.02	23.25		29.25		23.98		
VHT20	MCS0	2	52	5260	18.00	17.85	27.95	25.36	23.52		29.52		23.98		
VHT20	MCS0	2	60	5300	18.05	17.95	27.20	26.40	23.54		29.54		23.98		
HT20	MCS0	2	64	5320	17.95	17.95	26.35	26.68	23.54		29.54		23.98		
VHT40	MCS0	2	54	5270	63.00	42.40	102.96	89.76	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.60	36.60	42.12	42.48	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.80	76.92	83.92	83.28	23.98		30.00		23.98		

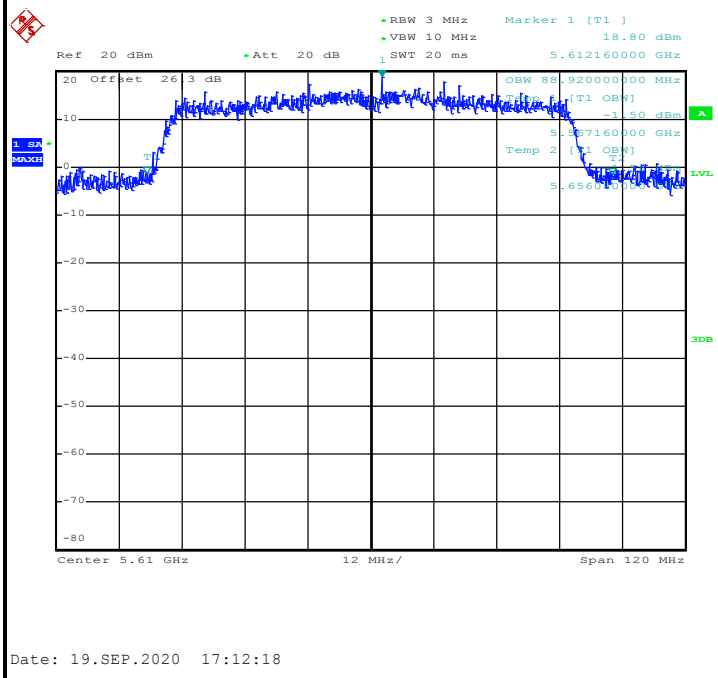
Band III																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	35.40	22.40	57.84	39.78	23.98	23.98	30.00	30.00	23.98	23.98	----	----
11a	6Mbps	1	116	5580	35.85	23.05	62.84	39.11	23.98	23.98	30.00	30.00	23.98	23.98	----	----
11a	6Mbps	1	140	5700	16.85	16.90	25.05	25.89	23.27	23.28	29.27	29.28	23.98	23.98	----	----
VHT20	MCS0	1	100	5500	35.15	18.60	53.12	31.68	23.98	23.70	30.00	29.70	23.98	23.98	----	----
VHT20	MCS0	1	116	5580	31.90	17.95	49.48	25.47	23.98	23.54	30.00	29.54	23.98	23.98	----	----
VHT20	MCS0	1	140	5700	17.95	18.25	25.86	29.39	23.54	23.61	29.54	29.61	23.98	23.98	----	----
VHT40	MCS0	1	102	5510	61.60	47.70	102.60	97.44	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT40	MCS0	1	110	5550	53.80	38.30	95.52	84.24	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT40	MCS0	1	134	5670	36.70	36.80	45.92	50.88	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	106	5530	78.24	76.68	165.36	82.88	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	122	5610	88.92	77.16	202.40	109.60	23.98	23.98	30.00	30.00	23.98	23.98	----	----
11a	6Mbps	2	100	5500	16.85	16.70	24.55	24.96	23.23		29.23		23.98		----	----
11a	6Mbps	2	116	5580	16.75	16.75	23.92	24.96	23.24		29.24		23.98		----	----
11a	6Mbps	2	140	5700	16.75	16.75	24.38	24.47	23.24		29.24		23.98		----	----
VHT20	MCS0	2	100	5500	17.90	17.85	25.37	25.95	23.52		29.52		23.98		----	----
VHT20	MCS0	2	116	5580	17.85	17.90	24.90	25.36	23.52		29.52		23.98		----	----
VHT20	MCS0	2	140	5700	17.80	17.90	23.98	25.60	23.50		29.50		23.98		----	----
VHT40	MCS0	2	102	5510	36.60	36.60	42.36	52.12	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	38.70	40.40	53.52	90.24	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.70	36.80	43.08	49.08	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.65	76.92	84.16	82.64	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	78.12	77.28	158.40	101.76	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	23.00	16.95	44.56	26.43	23.98	23.29	30.00	29.29	23.98	23.98	16.05	16.25
VHT20	MCS0	1	144	5720	27.05	18.30	45.20	32.16	23.98	23.62	30.00	29.62	23.98	23.98	16.50	16.75
VHT40	MCS0	1	142	5710	36.70	36.70	42.60	42.72	23.98	23.98	30.00	30.00	23.98	23.98	35.01	35.28
VHT80	MCS0	1	138	5690	74.00	73.40	112.92	79.00	23.98	23.98	30.00	30.00	23.98	23.98	2.60	2.60
11a	6Mbps	2	144	5720	16.70	16.70	24.70	24.10	23.23		29.23		23.98		15.3	16.25
VHT20	MCS0	2	144	5720	17.95	17.90	25.22	25.28	23.53		29.53		23.98		16.9	16.25
VHT40	MCS0	2	142	5710	33.40	33.40	36.48	36.72	23.98		30.00		23.98		2.55	3.18
VHT80	MCS0	2	138	5690	73.40	73.40	92.28	91.40	23.98		30.00		23.98		2.60	1.32

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 :	Mina Liu	Temperature :	23.7~23.9℃
		Relative Humidity :	53.7~54.3%

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	17.75	19.35	23.40	29.10	-		22.49		-
VHT20	MCS0	2	44	5220	17.70	19.05	23.25	28.50	-		22.48		
VHT20	MCS0	2	48	5240	17.80	19.05	24.15	29.05	-		22.50		
VHT40	MCS0	2	38	5190	36.70	36.60	42.03	42.75	-		23.01		
VHT40	MCS0	2	46	5230	36.80	48.70	59.58	94.65	-		23.01		
VHT80	MCS0	2	42	5210	76.80	76.80	80.96	83.20	-		23.01		

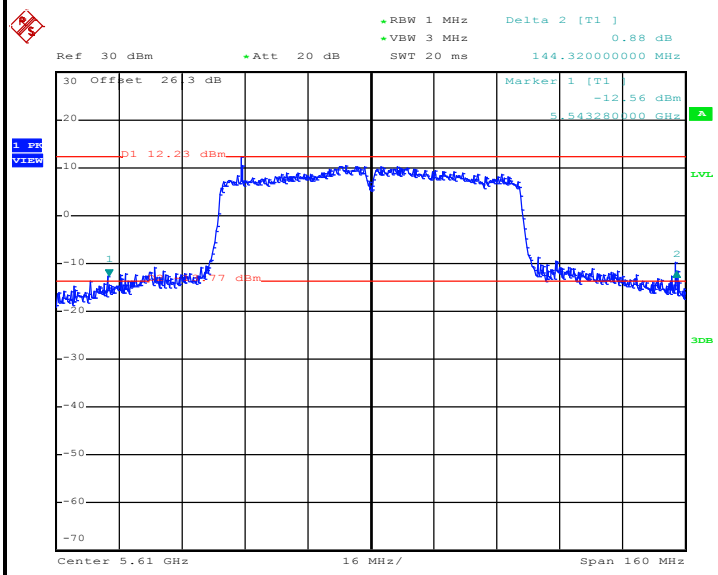
Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	52	5260	17.80	18.90	23.00	28.70	23.50		29.50		23.98		-
VHT20	MCS0	2	60	5300	17.80	19.30	23.00	29.10	23.50		29.50		23.98		
VHT20	MCS0	2	64	5320	17.80	18.55	23.35	27.90	23.50		29.50		23.98		
VHT40	MCS0	2	54	5270	52.20	61.00	81.84	98.76	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.70	36.70	42.60	42.60	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	77.16	77.04	81.60	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
VHT20	MCS0	2	100	5500	17.85	18.00	25.65	25.95	23.52		29.52		23.98		----	----
VHT20	MCS0	2	116	5580	17.80	18.70	23.60	27.25	23.50		29.50		23.98		----	----
VHT20	MCS0	2	140	5700	17.75	18.60	24.60	28.05	23.49		29.49		23.98		----	----
VHT40	MCS0	2	102	5510	59.30	62.40	100.68	103.20	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	70.00	63.20	106.32	102.24	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	52.30	37.80	98.88	82.20	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	77.04	76.92	81.28	83.20	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	77.64	77.76	144.32	137.28	23.98		30.00		23.98		----	----

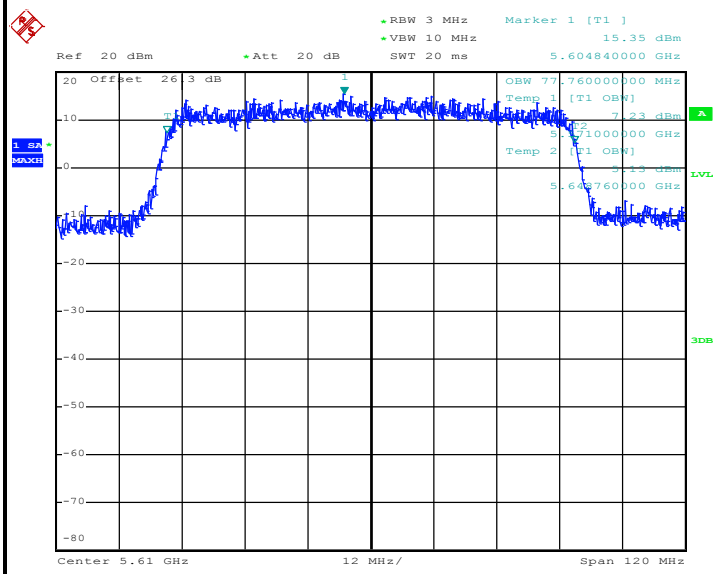
Band III straddle channel																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					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	13.90	13.90	17.20	17.45	22.43		28.43		23.36		2.55	3.40
VHT40	MCS0	2	142	5710	36.30	33.50	46.44	41.16	23.98		30.00		23.98		2.55	2.55
VHT80	MCS0	2	138	5690	73.28	73.52	75.48	80.28	23.98		30.00		23.98		2.60	3.24

<TXBF Modes>

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

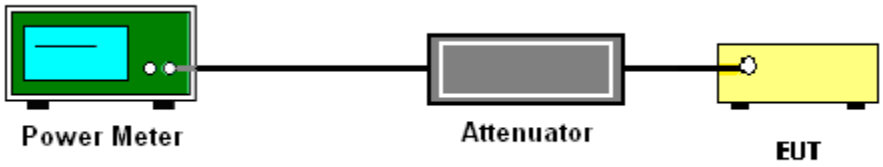
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Test Engineer :	Mina Liu	Temperature :	23.7~23.9℃
		Relative Humidity :	53.7~54.3%

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	18.50	19.40		24.00	24.00	3.00	4.10	Pass
11a	6Mbps	1	44	5220	21.20	20.90		24.00	24.00	3.00	4.10	Pass
11a	6Mbps	1	48	5240	19.00	20.60		24.00	24.00	3.00	4.10	Pass
HT20	MCS0	1	36	5180	18.20	18.80		24.00	24.00	3.00	4.10	Pass
HT20	MCS0	1	44	5220	20.70	19.80		24.00	24.00	3.00	4.10	Pass
HT20	MCS0	1	48	5240	19.60	19.60		24.00	24.00	3.00	4.10	Pass
HT40	MCS0	1	38	5190	15.00	17.20		24.00	24.00	3.00	4.10	Pass
HT40	MCS0	1	46	5230	17.70	20.40		24.00	24.00	3.00	4.10	Pass
VHT20	MCS0	1	36	5180	18.30	18.90		24.00	24.00	3.00	4.10	Pass
VHT20	MCS0	1	44	5220	20.80	19.90		24.00	24.00	3.00	4.10	Pass
VHT20	MCS0	1	48	5240	19.70	19.70		24.00	24.00	3.00	4.10	Pass
VHT40	MCS0	1	38	5190	15.10	17.30		24.00	24.00	3.00	4.10	Pass
VHT40	MCS0	1	46	5230	17.80	20.50		24.00	24.00	3.00	4.10	Pass
VHT80	MCS0	1	42	5210	15.20	16.80		24.00	24.00	3.00	4.10	Pass
11a	6Mbps	2	36	5180	17.90	18.00	20.96	24.00		4.10		Pass
11a	6Mbps	2	44	5220	17.80	18.00	20.91	24.00		4.10		Pass
11a	6Mbps	2	48	5240	18.00	18.10	21.06	24.00		4.10		Pass
HT20	MCS0	2	36	5180	17.60	17.80	20.71	24.00		4.10		Pass
HT20	MCS0	2	44	5220	17.70	17.80	20.76	24.00		4.10		Pass
HT20	MCS0	2	48	5240	17.90	18.00	20.96	24.00		4.10		Pass
HT40	MCS0	2	38	5190	14.20	14.70	17.47	24.00		4.10		Pass
HT40	MCS0	2	46	5230	18.30	18.50	21.41	24.00		4.10		Pass
VHT20	MCS0	2	36	5180	17.70	17.90	20.81	24.00		4.10		Pass
VHT20	MCS0	2	44	5220	17.80	17.90	20.86	24.00		4.10		Pass
VHT20	MCS0	2	48	5240	18.00	18.10	21.06	24.00		4.10		Pass
VHT40	MCS0	2	38	5190	14.30	14.80	17.57	24.00		4.10		Pass
VHT40	MCS0	2	46	5230	18.40	18.60	21.51	24.00		4.10		Pass
VHT80	MCS0	2	42	5210	15.20	15.50	18.36	24.00		4.10		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	20.30	20.60		23.98	23.98	3.00	4.10	30	Pass
11a	6Mbps	1	60	5300	20.30	20.80		23.98	23.98	3.00	4.10	30	Pass
11a	6Mbps	1	64	5320	16.70	19.80		23.98	23.98	3.00	4.10	30	Pass
HT20	MCS0	1	52	5260	20.30	19.60		23.98	23.98	3.00	4.10	30	Pass
HT20	MCS0	1	60	5300	20.20	19.80		23.98	23.98	3.00	4.10	30	Pass
HT20	MCS0	1	64	5320	17.10	19.60		23.98	23.98	3.00	4.10	30	Pass
HT40	MCS0	1	54	5270	18.00	19.60		23.98	23.98	3.00	4.10	30	Pass
HT40	MCS0	1	62	5310	14.20	17.20		23.98	23.98	3.00	4.10	30	Pass
VHT20	MCS0	1	52	5260	20.40	19.70		23.98	23.98	3.00	4.10	30	Pass
VHT20	MCS0	1	60	5300	20.30	19.90		23.98	23.98	3.00	4.10	30	Pass
VHT20	MCS0	1	64	5320	17.20	19.70		23.98	23.98	3.00	4.10	30	Pass
VHT40	MCS0	1	54	5270	18.10	19.70		23.98	23.98	3.00	4.10	30	Pass
VHT40	MCS0	1	62	5310	14.30	17.30		23.98	23.98	3.00	4.10	30	Pass
VHT80	MCS0	1	58	5290	14.40	16.20		23.98	23.98	3.00	4.10	30	Pass
11a	6Mbps	2	52	5260	17.90	18.00	20.96	23.98		4.10		30	Pass
11a	6Mbps	2	60	5300	18.10	18.50	21.31	23.98		4.10		30	Pass
11a	6Mbps	2	64	5320	18.00	18.50	21.27	23.98		4.10		30	Pass
HT20	MCS0	2	52	5260	17.80	17.80	20.81	23.98		4.10		30	Pass
HT20	MCS0	2	60	5300	18.10	18.30	21.21	23.98		4.10		30	Pass
HT20	MCS0	2	64	5320	17.00	17.40	20.21	23.98		4.10		30	Pass
HT40	MCS0	2	54	5270	19.70	20.10	22.91	23.98		4.10		30	Pass
HT40	MCS0	2	62	5310	15.20	15.70	18.47	23.98		4.10		30	Pass
VHT20	MCS0	2	52	5260	17.90	17.90	20.91	23.98		4.10		30	Pass
VHT20	MCS0	2	60	5300	18.20	18.40	21.31	23.98		4.10		30	Pass
VHT20	MCS0	2	64	5320	17.10	17.50	20.31	23.98		4.10		30	Pass
VHT40	MCS0	2	54	5270	19.80	20.20	23.01	23.98		4.10		30	Pass
VHT40	MCS0	2	62	5310	15.30	15.80	18.57	23.98		4.10		30	Pass
VHT80	MCS0	2	58	5290	14.80	15.10	17.96	23.98		4.10		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	20.60	19.70		23.98	23.98	3.30	4.80	30	Pass
11a	6Mbps	1	116	5580	21.00	21.00		23.98	23.98	3.30	4.80	30	Pass
11a	6Mbps	1	140	5700	19.90	20.50		23.98	23.98	3.30	4.80	30	Pass
HT20	MCS0	1	100	5500	20.30	19.40		23.98	23.98	3.30	4.80	30	Pass
HT20	MCS0	1	116	5580	21.20	19.90		23.98	23.98	3.30	4.80	30	Pass
HT20	MCS0	1	140	5700	19.80	21.10		23.98	23.98	3.30	4.80	30	Pass
HT40	MCS0	1	102	5510	20.20	20.30		23.98	23.98	3.30	4.80	30	Pass
HT40	MCS0	1	110	5550	20.00	20.30		23.98	23.98	3.30	4.80	30	Pass
HT40	MCS0	1	134	5670	20.30	20.30		23.98	23.98	3.30	4.80	30	Pass
VHT20	MCS0	1	100	5500	20.40	19.50		23.98	23.98	3.30	4.80	30	Pass
VHT20	MCS0	1	116	5580	21.30	20.00		23.98	23.98	3.30	4.80	30	Pass
VHT20	MCS0	1	140	5700	19.90	21.20		23.98	23.98	3.30	4.80	30	Pass
VHT40	MCS0	1	102	5510	20.30	20.40		23.98	23.98	3.30	4.80	30	Pass
VHT40	MCS0	1	110	5550	20.10	20.40		23.98	23.98	3.30	4.80	30	Pass
VHT40	MCS0	1	134	5670	20.40	20.40		23.98	23.98	3.30	4.80	30	Pass
VHT80	MCS0	1	106	5530	19.30	17.80		23.98	23.98	3.30	4.80	30	Pass
VHT80	MCS0	1	122	5610	21.00	21.00		23.98	23.98	3.30	4.80	30	Pass
11a	6Mbps	2	100	5500	16.70	17.50	20.13	23.98		4.80		30	Pass
11a	6Mbps	2	116	5580	16.90	17.50	20.22	23.98		4.80		30	Pass
11a	6Mbps	2	140	5700	17.10	17.60	20.37	23.98		4.80		30	Pass
HT20	MCS0	2	100	5500	17.10	17.90	20.53	23.98		4.80		30	Pass
HT20	MCS0	2	116	5580	17.00	17.90	20.48	23.98		4.80		30	Pass
HT20	MCS0	2	140	5700	16.80	17.30	20.07	23.98		4.80		30	Pass
HT40	MCS0	2	102	5510	16.40	17.40	19.94	23.98		4.80		30	Pass
HT40	MCS0	2	110	5550	20.10	20.30	23.21	23.98		4.80		30	Pass
HT40	MCS0	2	134	5670	19.80	20.20	23.01	23.98		4.80		30	Pass
VHT20	MCS0	2	100	5500	17.20	18.00	20.63	23.98		4.80		30	Pass
VHT20	MCS0	2	116	5580	17.10	18.00	20.58	23.98		4.80		30	Pass
VHT20	MCS0	2	140	5700	16.90	17.40	20.17	23.98		4.80		30	Pass
VHT40	MCS0	2	102	5510	16.50	17.50	20.04	23.98		4.80		30	Pass
VHT40	MCS0	2	110	5550	20.20	20.40	23.31	23.98		4.80		30	Pass
VHT40	MCS0	2	134	5670	19.90	20.30	23.11	23.98		4.80		30	Pass
VHT80	MCS0	2	106	5530	16.70	17.50	20.13	23.98		4.80		30	Pass
VHT80	MCS0	2	122	5610	20.30	20.90	23.621	23.98		4.80		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	21.00	20.60		23.98	23.98	3.30	4.80	30	Pass
HT20	MCS0	1	144	5720	21.10	21.00		23.98	23.98	3.30	4.80	30	Pass
HT40	MCS0	1	142	5710	20.20	20.40		23.98	23.98	3.30	4.80	30	Pass
VHT20	MCS0	1	144	5720	21.20	21.10		23.98	23.98	3.30	4.80	30	Pass
VHT40	MCS0	1	142	5710	20.30	20.50		23.98	23.98	3.30	4.80	30	Pass
VHT80	MCS0	1	138	5690	20.80	20.90		23.98	23.98	3.30	4.80	30	Pass
11a	6Mbps	2	144	5720	16.90	17.60	20.27	23.98		4.80		30	Pass
HT20	MCS0	2	144	5720	16.90	17.40	20.17	23.98		4.80		30	Pass
HT40	MCS0	2	142	5710	20.10	20.40	23.26	23.98		4.80		30	Pass
VHT20	MCS0	2	144	5720	17.20	17.90	20.57	23.98		4.80		30	Pass
VHT40	MCS0	2	142	5710	20.20	20.50	23.36	23.98		4.80		30	Pass
VHT80	MCS0	2	138	5690	20.50	20.80	23.66	23.98		4.80		30	Pass

<TXBF Mode>

Test Engineer :	Mina Liu	Temperature :	23.7~23.9℃
		Relative Humidity :	53.7~54.3%

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	15.90	17.60	19.84	23.42		6.58		Pass	
VHT20	MCS0	2	44	5220	15.70	17.30	19.58	23.42		6.58		Pass	
VHT20	MCS0	2	48	5240	15.60	17.20	19.48	23.42		6.58		Pass	
VHT40	MCS0	2	38	5190	14.30	14.90	17.62	23.42		6.58		Pass	
VHT40	MCS0	2	46	5230	19.60	19.10	22.37	23.42		6.58		Pass	
VHT80	MCS0	2	42	5210	14.50	14.50	17.51	23.42		6.58		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	15.90	17.40	19.72	23.40		6.58		30	Pass
VHT20	MCS0	2	60	5300	15.90	17.40	19.72	23.40		6.58		30	Pass
VHT20	MCS0	2	64	5320	15.30	17.30	19.42	23.40		6.58		30	Pass
VHT40	MCS0	2	54	5270	18.80	18.50	21.66	23.40		6.58		30	Pass
VHT40	MCS0	2	62	5310	14.80	15.20	18.01	23.40		6.58		30	Pass
VHT80	MCS0	2	58	5290	13.80	14.10	16.96	23.40		6.58		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	15.10	16.60	18.92	22.89		7.09		30	Pass
VHT20	MCS0	2	116	5580	14.80	16.90	18.99	22.89		7.09		30	Pass
VHT20	MCS0	2	140	5700	15.10	17.00	19.16	22.89		7.09		30	Pass
VHT40	MCS0	2	102	5510	18.50	19.30	21.93	22.89		7.09		30	Pass
VHT40	MCS0	2	110	5550	19.20	19.50	22.36	22.89		7.09		30	Pass
VHT40	MCS0	2	134	5670	18.70	19.60	22.18	22.89		7.09		30	Pass
VHT80	MCS0	2	106	5530	15.60	16.30	18.97	22.89		7.09		30	Pass
VHT80	MCS0	2	122	5610	18.80	19.50	22.17	22.89		7.09		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	14.60	16.60	18.72	22.26		7.09		30	Pass
VHT40	MCS0	2	142	5710	19.00	19.40	22.21	22.89		7.09		30	Pass
VHT80	MCS0	2	138	5690	18.80	19.30	22.07	22.89		7.09		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):

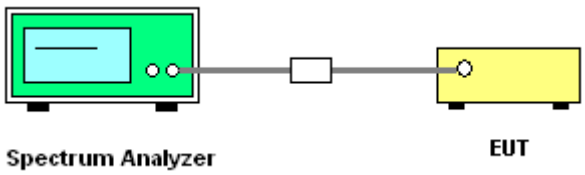
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the 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 :	Mina Liu	Temperature :	23.7~23.9℃
		Relative Humidity :	53.7~54.3%

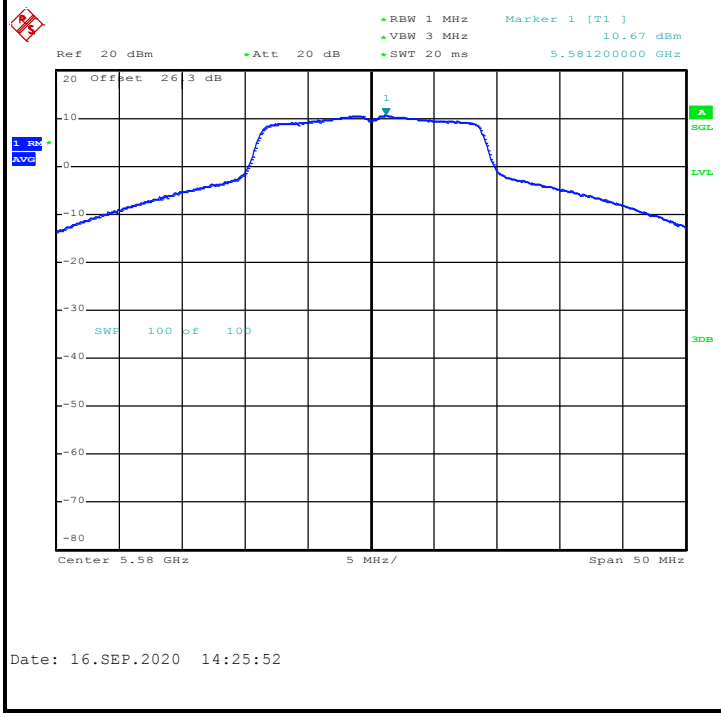
FCC Band I												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	7.67	8.64		11.00	11.00	3.00	4.10	Pass
11a	6Mbps	1	44	5220	10.07	10.33		11.00	11.00	3.00	4.10	Pass
11a	6Mbps	1	48	5240	8.84	9.72		11.00	11.00	3.00	4.10	Pass
VHT20	MCS0	1	36	5180	7.59	8.19		11.00	11.00	3.00	4.10	Pass
VHT20	MCS0	1	44	5220	10.10	9.29		11.00	11.00	3.00	4.10	Pass
VHT20	MCS0	1	48	5240	9.14	8.95		11.00	11.00	3.00	4.10	Pass
VHT40	MCS0	1	38	5190	1.14	3.39		11.00	11.00	3.00	4.10	Pass
VHT40	MCS0	1	46	5230	4.02	6.70		11.00	11.00	3.00	4.10	Pass
VHT80	MCS0	1	42	5210	-1.58	0.04		11.00	11.00	3.00	4.10	Pass
11a	6Mbps	2	36	5180			10.22	10.42		6.58		Pass
11a	6Mbps	2	44	5220			10.13	10.42		6.58		Pass
11a	6Mbps	2	48	5240			**10.35**	10.42		6.58		Pass
VHT20	MCS0	2	36	5180			10.14	10.42		6.58		Pass
VHT20	MCS0	2	44	5220			10.01	10.42		6.58		Pass
VHT20	MCS0	2	48	5240			10.29	10.42		6.58		Pass
VHT40	MCS0	2	38	5190			3.44	10.42		6.58		Pass
VHT40	MCS0	2	46	5230			7.71	10.42		6.58		Pass
VHT80	MCS0	2	42	5210			1.42	10.42		6.58		Pass

Band II												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	8.60	9.79		11.00	11.00	3.00	4.10	Pass
11a	6Mbps	1	60	5300	8.99	9.70		11.00	11.00	3.00	4.10	Pass
11a	6Mbps	1	64	5320	5.46	8.52		11.00	11.00	3.00	4.10	Pass
VHT20	MCS0	1	52	5260	9.26	8.93		11.00	11.00	3.00	4.10	Pass
VHT20	MCS0	1	60	5300	9.09	8.96	-	11.00	11.00	3.00	4.10	Pass
VHT20	MCS0	1	64	5320	5.89	8.58		11.00	11.00	3.00	4.10	Pass
VHT40	MCS0	1	54	5270	4.25	5.90		11.00	11.00	3.00	4.10	Pass
VHT40	MCS0	1	62	5310	0.07	2.98		11.00	11.00	3.00	4.10	Pass
VHT80	MCS0	1	58	5290	-2.60	-1.06		11.00	11.00	3.00	4.10	Pass
11a	6Mbps	2	52	5260			10.18	10.42		6.58		Pass
11a	6Mbps	2	60	5300			**10.33**	10.42		6.58		Pass
11a	6Mbps	2	64	5320			10.30	10.42		6.58		Pass
VHT20	MCS0	2	52	5260			9.89	10.42		6.58		Pass
VHT20	MCS0	2	60	5300			10.12	10.42		6.58		Pass
VHT20	MCS0	2	64	5320			8.97	10.42		6.58		Pass
VHT40	MCS0	2	54	5270			9.23	10.42		6.58		Pass
VHT40	MCS0	2	62	5310			4.20	10.42		6.58		Pass
VHT80	MCS0	2	58	5290			0.85	10.42		6.58		Pass

Band III												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	9.20	9.06		11.00	11.00	3.30	4.80	Pass
11a	6Mbps	1	116	5580	10.19	10.02		11.00	11.00	3.30	4.80	Pass
11a	6Mbps	1	140	5700	8.93	9.62		11.00	11.00	3.30	4.80	Pass
VHT20	MCS0	1	100	5500	9.77	9.10		11.00	11.00	3.30	4.80	Pass
VHT20	MCS0	1	116	5580	**10.75**	9.55		11.00	11.00	3.30	4.80	Pass
VHT20	MCS0	1	140	5700	9.27	9.82		11.00	11.00	3.30	4.80	Pass
VHT40	MCS0	1	102	5510	6.77	7.30		11.00	11.00	3.30	4.80	Pass
VHT40	MCS0	1	110	5550	6.47	6.81		11.00	11.00	3.30	4.80	Pass
VHT40	MCS0	1	134	5670	6.72	7.00		11.00	11.00	3.30	4.80	Pass
VHT80	MCS0	1	106	5530	2.88	1.15		11.00	11.00	3.30	4.80	Pass
VHT80	MCS0	1	122	5610	4.42	4.31		11.00	11.00	3.30	4.80	Pass
11a	6Mbps	2	100	5500			9.51	9.91		7.09		Pass
11a	6Mbps	2	116	5580			9.81	9.91		7.09		Pass
11a	6Mbps	2	140	5700			9.76	9.91		7.09		Pass
VHT20	MCS0	2	100	5500			9.78	9.91		7.09		Pass
VHT20	MCS0	2	116	5580			9.72	9.91		7.09		Pass
VHT20	MCS0	2	140	5700			9.09	9.91		7.09		Pass
VHT40	MCS0	2	102	5510			6.24	9.91		7.09		Pass
VHT40	MCS0	2	110	5550			9.65	9.91		7.09		Pass
VHT40	MCS0	2	134	5670			9.51	9.91		7.09		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	
11a	6Mbps	1	144	5720	10.09	9.88	-	11.00	11.00	3.30	4.80	Pass
VHT20	MCS0	1	144	5720	**10.56**	10.54		11.00	11.00	3.30	4.80	Pass
VHT40	MCS0	1	142	5710	6.48	6.68		11.00	11.00	3.30	4.80	Pass
VHT80	MCS0	1	138	5690	4.80	4.10		11.00	11.00	3.30	4.80	Pass
11a	6Mbps	2	144	5720			9.57	9.91		7.09		Pass
VHT20	MCS0	2	144	5720			9.59	9.91		7.09		Pass
VHT40	MCS0	2	142	5710			9.50	9.91		7.09		Pass
VHT80	MCS0	2	138	5690			6.94	9.91		7.09		Pass

Worst Case Power Density (dBm/MHz)



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

<TXBF Mode>

Test Engineer :	Mina Liu	Temperature :	23.7~23.9℃
		Relative Humidity :	53.7~54.3%

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			10.39	10.42		6.58		Pass
VHT20	MCS0	2	44	5220			10.13	10.42		6.58		Pass
VHT20	MCS0	2	48	5240			9.86	10.42		6.58		Pass
VHT40	MCS0	2	38	5190			4.91	10.42		6.58		Pass
VHT40	MCS0	2	46	5230			10.13	10.42		6.58		Pass
VHT80	MCS0	2	42	5210			3.49	10.42		6.58		Pass

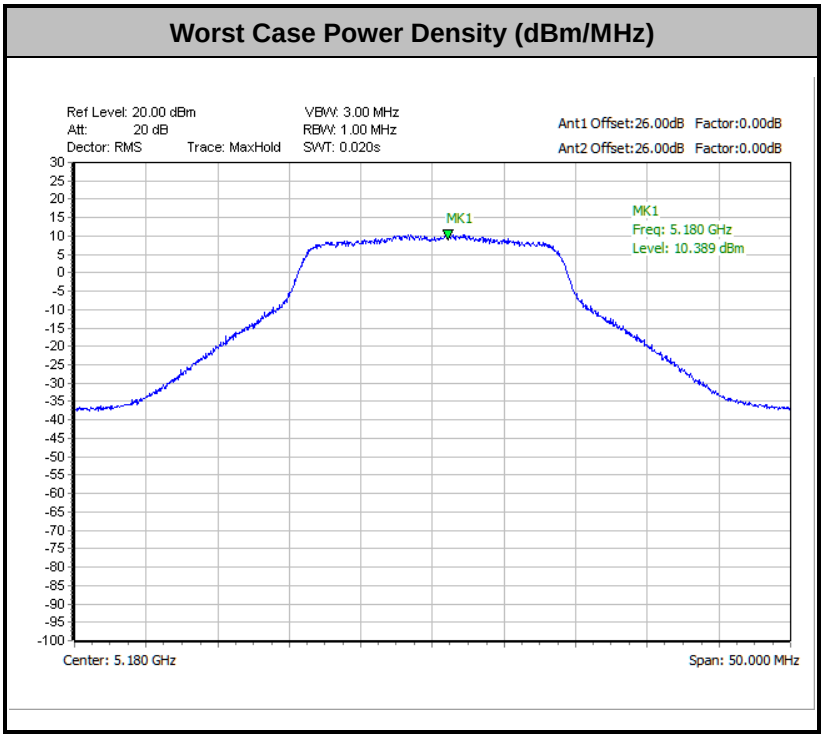
Band II												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	52	5260			10.03	10.42		6.58		Pass
VHT20	MCS0	2	60	5300			9.84	10.42		6.58		Pass
VHT20	MCS0	2	64	5320			10.18	10.42		6.58		Pass
VHT40	MCS0	2	54	5270			9.28	10.42		6.58		Pass
VHT40	MCS0	2	62	5310			4.73	10.42		6.58		Pass
VHT80	MCS0	2	58	5290			3.46	10.42		6.58		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			9.29	9.91		7.09		Pass
VHT20	MCS0	2	116	5580			9.53	9.91		7.09		Pass
VHT20	MCS0	2	140	5700			9.56	9.91		7.09		Pass
VHT40	MCS0	2	102	5510			8.73	9.91		7.09		Pass
VHT40	MCS0	2	110	5550			9.62	9.91		7.09		Pass
VHT40	MCS0	2	134	5670			9.25	9.91		7.09		Pass
VHT80	MCS0	2	106	5530			5.18	9.91		7.09		Pass
VHT80	MCS0	2	122	5610			9.21	9.91		7.09		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			9.08	9.91		7.09		Pass
VHT40	MCS0	2	142	5710			9.03	9.91		7.09		Pass
VHT80	MCS0	2	138	5690			9.19	9.91		7.09		Pass

<TXBF Modes>

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

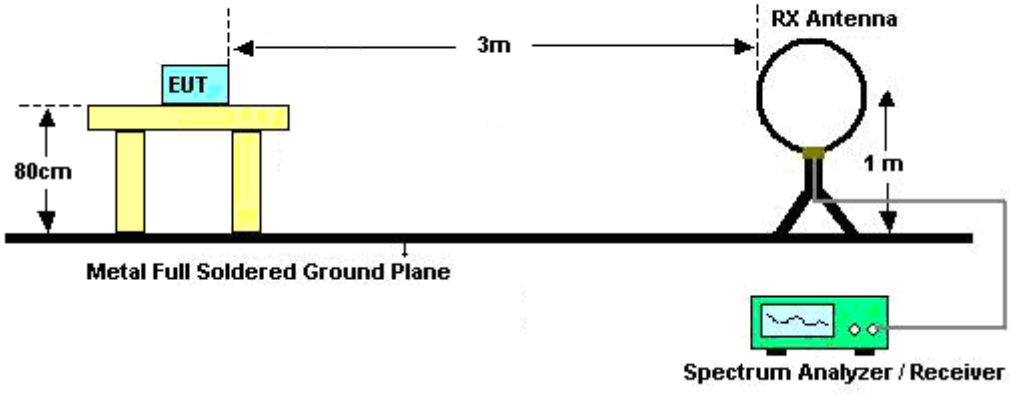
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

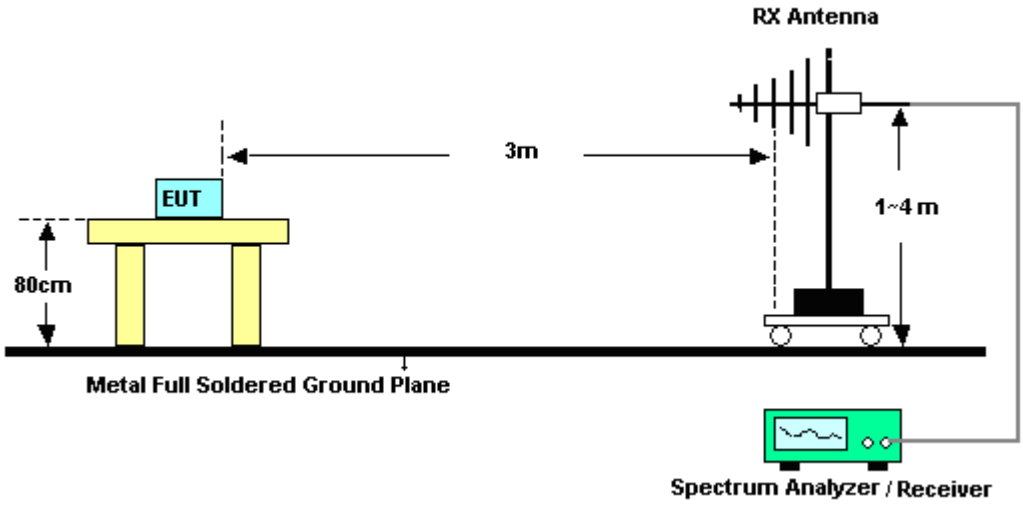
3.4.4 Test Setup

For radiated emissions below 30MHz

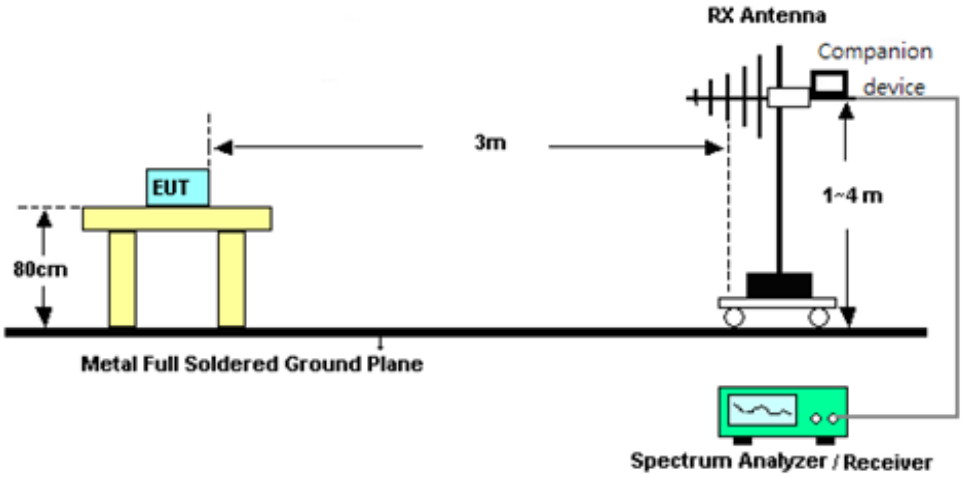


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

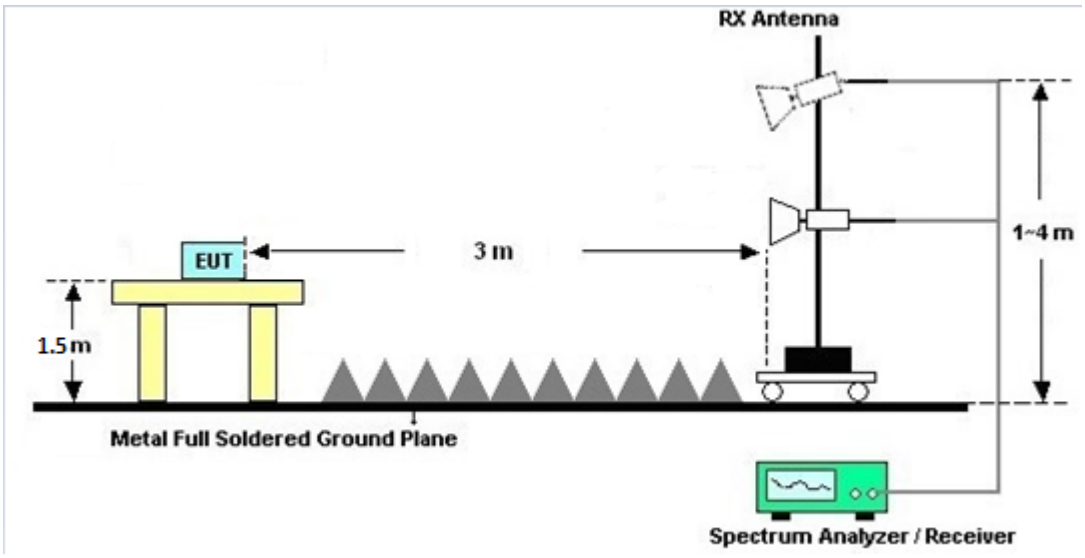


<TXBF Mode>

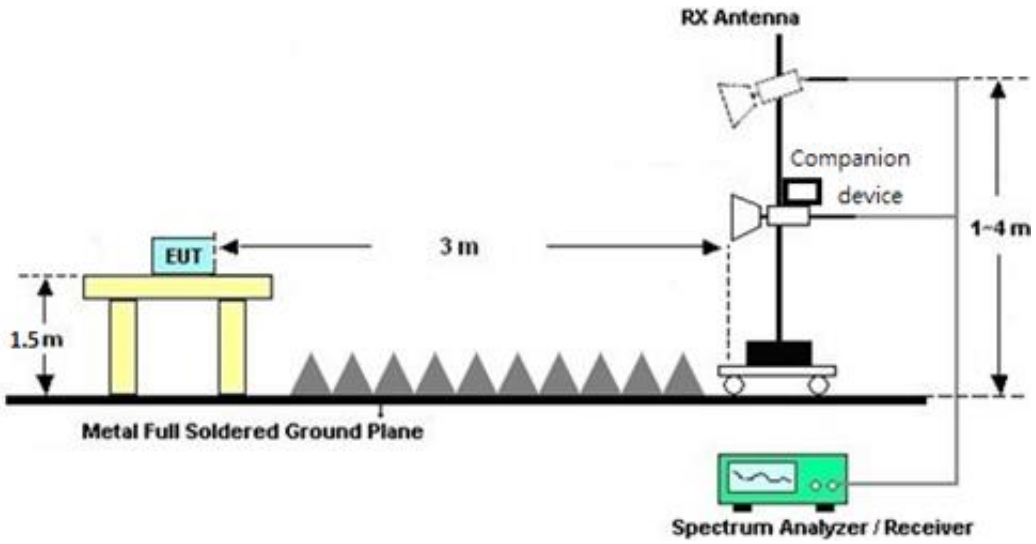


For radiated emissions from 1GHz to 18GHz

<CDD Mode>

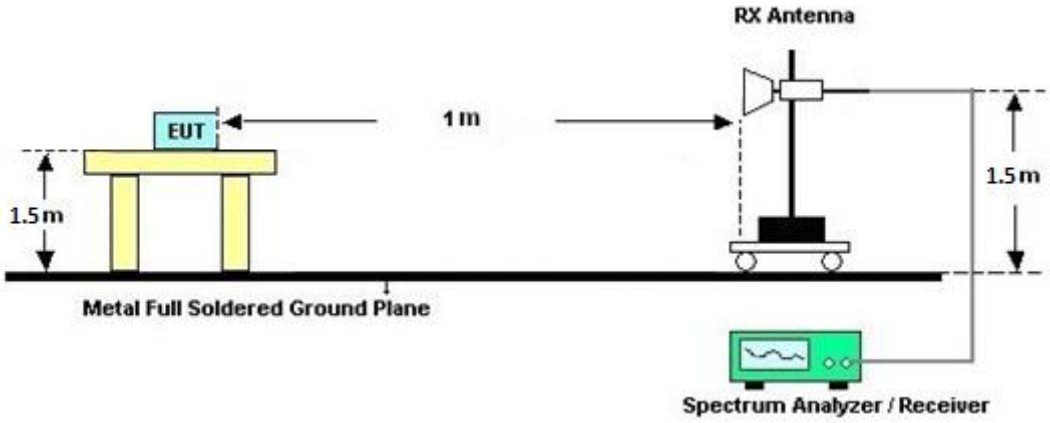


<TXBF Mode>

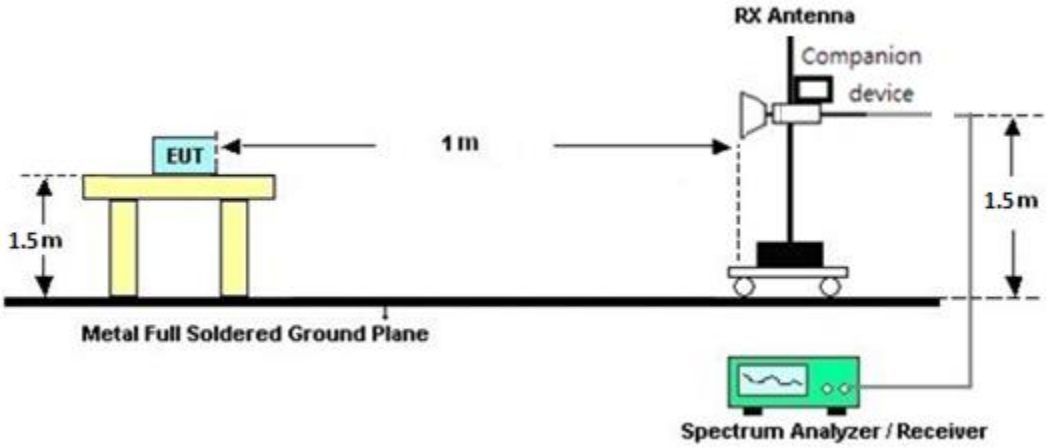


For radiated emissions above 18GHz

<CDD Mode>



<TXBF Mode>



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

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line 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.

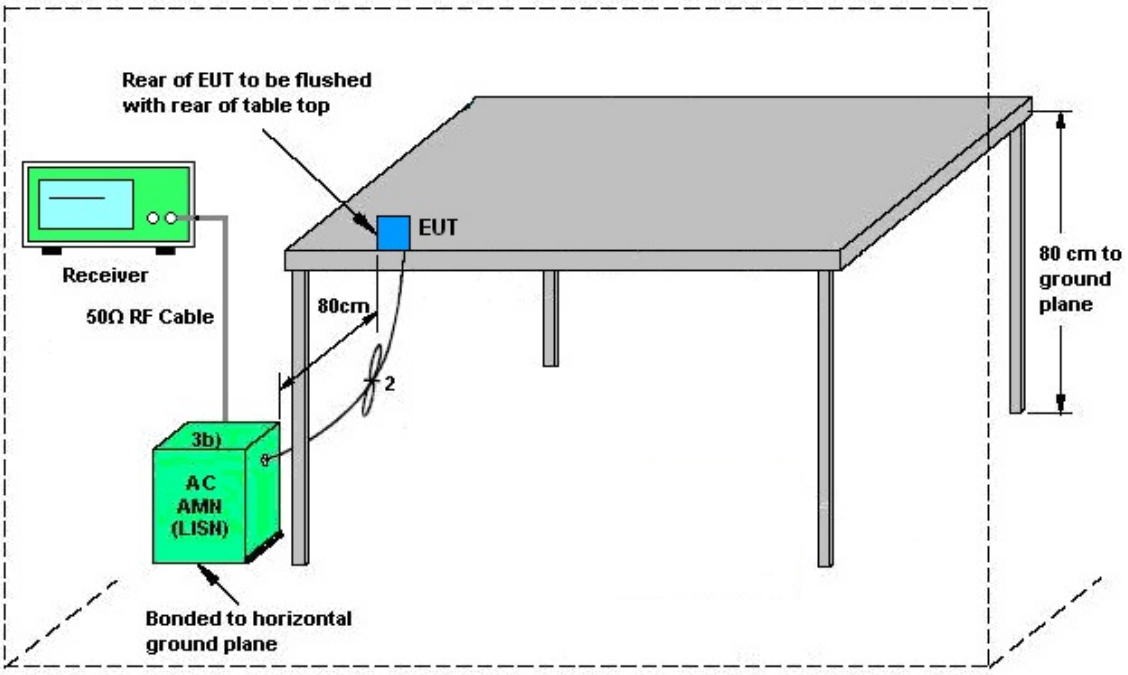
3.5.2 Measuring Instruments

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 B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Mode >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

For power, the directional gain 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	3.00	4.10	4.10	6.58	0.00	0.58
Band II	3.00	4.10	4.10	6.58	0.00	0.58
Band III	3.30	4.80	4.80	7.09	0.00	1.09

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

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

TXBF mode

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

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

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.00	4.10	6.58	6.58	0.58	0.58
Band II	3.00	4.10	6.58	6.58	0.58	0.58
Band III	3.30	4.80	7.09	7.09	1.09	1.09

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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Dec. 26, 2019	Aug. 20, 2020~ Sep. 18, 2020	Dec. 25, 2020	Radiation (03CH07-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	35419 & 03	30MHz~1GHz	Apr. 29, 2020	Aug. 20, 2020~ Sep. 18, 2020	Apr. 28, 2021	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 06, 2019	Aug. 20, 2020~ Sep. 18, 2020	Dec. 05, 2020	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz~40GHz	Dec. 10, 2019	Aug. 20, 2020~ Sep. 18, 2020	Dec. 09, 2020	Radiation (03CH07-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	May 21, 2020	Aug. 20, 2020~ Sep. 18, 2020	May 20, 2021	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jun. 09, 2020	Aug. 20, 2020~ Sep. 18, 2020	Jun. 08, 2021	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	May 19, 2020	Aug. 20, 2020~ Sep. 18, 2020	May 18, 2021	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590075	1GHz~18GHz	Apr. 23, 2020	Aug. 20, 2020~ Sep. 18, 2020	Apr. 22, 2021	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Nov. 01, 2019	Aug. 20, 2020~ Sep. 18, 2020	Oct. 31, 2020	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 13, 2019	Aug. 20, 2020~ Sep. 18, 2020	Dec. 12, 2020	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2, 801606/2	18GHz~40GHz	Feb. 25, 2020	Aug. 20, 2020~ Sep. 18, 2020	Feb. 24, 2021	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4, MY28655/4	9kHz~30MHz	Feb. 25, 2020	Aug. 20, 2020~ Sep. 18, 2020	Feb. 24, 2021	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	30MHz~1GHz	Feb. 25, 2020	Aug. 20, 2020~ Sep. 18, 2020	Feb. 24, 2021	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	1GHz~18GHz	Feb. 25, 2020	Aug. 20, 2020~ Sep. 18, 2020	Feb. 24, 2021	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	N/A	Aug. 20, 2020~ Sep. 18, 2020	N/A	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Aug. 20, 2020~ Sep. 18, 2020	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Aug. 20, 2020~ Sep. 18, 2020	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	N/A	Aug. 20, 2020~ Sep. 18, 2020	N/A	Radiation (03CH07-HY)
Software	Audix	E3 6.2009-8-24	N/A	N/A	N/A	Aug. 20, 2020~ Sep. 18, 2020	N/A	Radiation (03CH07-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	Aug. 25, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Aug. 25, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Aug. 25, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 20, 2019	Aug. 25, 2020	Nov. 19, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Aug. 25, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Aug. 25, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Aug. 25, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Aug. 25, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Aug. 17, 2020~ Sep. 23, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 23, 2019	Aug. 17, 2020~ Sep. 23, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Dec. 30, 2019	Aug. 17, 2020~ Sep. 23, 2020	Dec. 29, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Aug. 17, 2020~ Sep. 23, 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))	**4.7**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.3**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0**

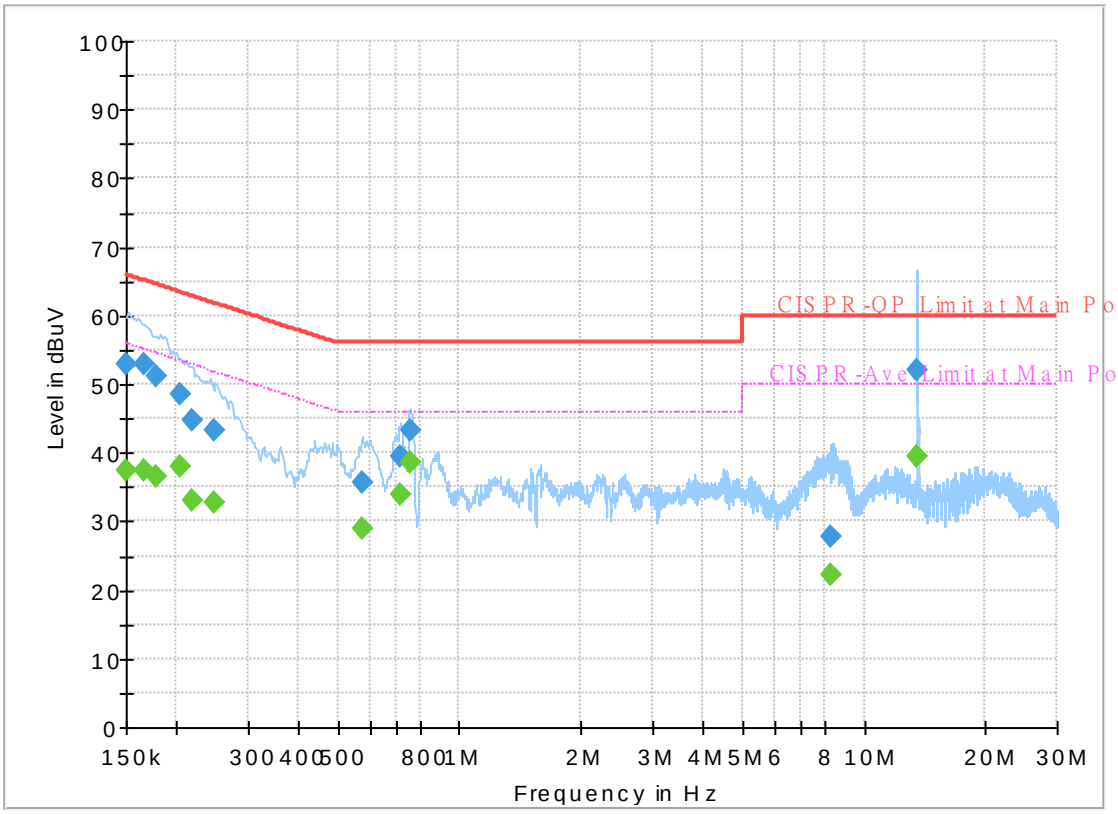
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	24~26℃
		Relative Humidity :	42~50%

EUT Information

Report NO :	072944
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

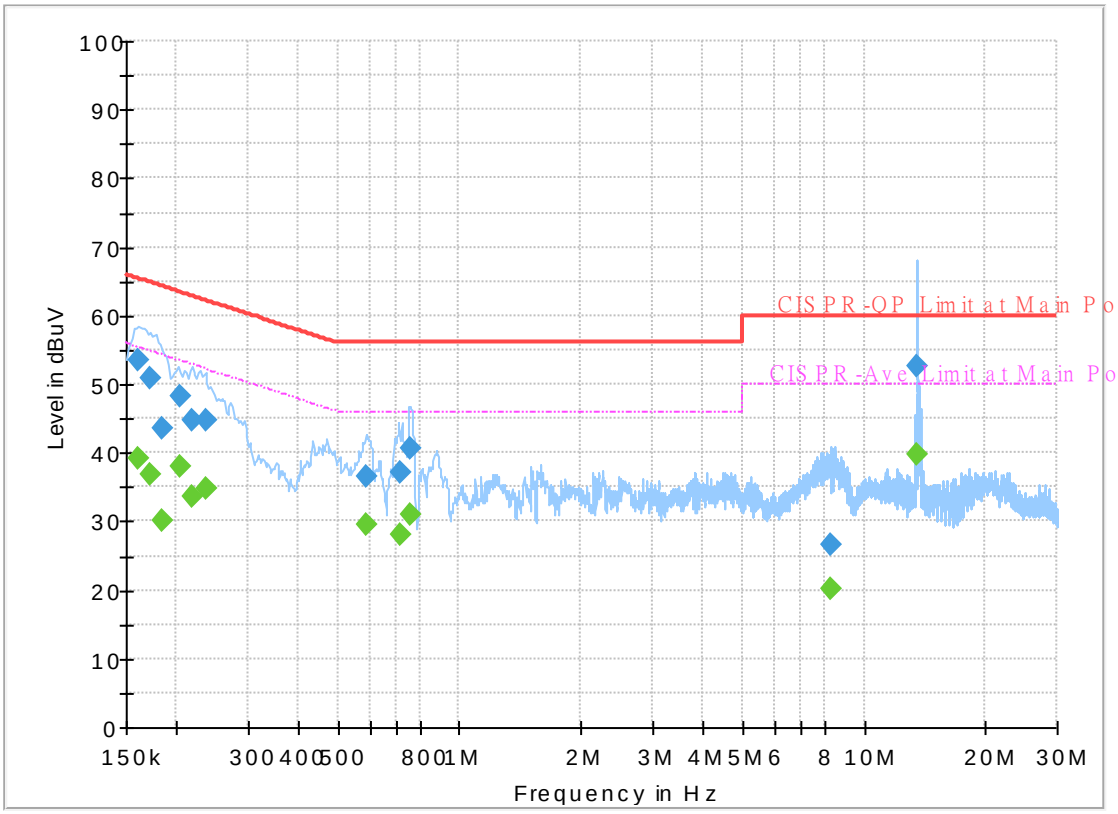
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	37.44	56.00	18.56	L1	OFF	19.5
0.150000	52.86	---	66.00	13.14	L1	OFF	19.5
0.166020	---	37.55	55.16	17.61	L1	OFF	19.5
0.166020	52.94	---	65.16	12.22	L1	OFF	19.5
0.177000	---	36.42	54.63	18.21	L1	OFF	19.5
0.177000	51.15	---	64.63	13.48	L1	OFF	19.5
0.204000	---	38.02	53.45	15.43	L1	OFF	19.5
0.204000	48.65	---	63.45	14.80	L1	OFF	19.5
0.218580	---	33.05	52.87	19.82	L1	OFF	19.5
0.218580	44.81	---	62.87	18.06	L1	OFF	19.5
0.246660	---	32.82	51.87	19.05	L1	OFF	19.5
0.246660	43.20	---	61.87	18.67	L1	OFF	19.5
0.573630	---	28.87	46.00	17.13	L1	OFF	19.5
0.573630	35.73	---	56.00	20.27	L1	OFF	19.5
0.718530	---	33.95	46.00	12.05	L1	OFF	19.5
0.718530	39.46	---	56.00	16.54	L1	OFF	19.5
0.757500	---	38.41	46.00	7.59	L1	OFF	19.5
0.757500	43.30	---	56.00	12.70	L1	OFF	19.5
8.258100	---	22.33	50.00	27.67	L1	OFF	19.7
8.258100	27.80	---	60.00	32.20	L1	OFF	19.7
13.560000	---	39.38	50.00	10.62	L1	OFF	19.8

13.560000	**52.19**	**---**	**60.00**	**7.81**	**L1**	**OFF**	**19.8**

EUT Information

Report NO :	072944
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)
0.161430	---	39.05	55.39	16.34	N	OFF	19.5
0.161430	53.59	---	65.39	11.80	N	OFF	19.5
0.172500	---	36.84	54.84	18.00	N	OFF	19.5
0.172500	50.78	---	64.84	14.06	N	OFF	19.5
0.183750	---	30.22	54.31	24.09	N	OFF	19.5
0.183750	43.43	---	64.31	20.88	N	OFF	19.5
0.204000	---	38.03	53.45	15.42	N	OFF	19.5
0.204000	48.38	---	63.45	15.07	N	OFF	19.5
0.217500	---	33.68	52.91	19.23	N	OFF	19.5
0.217500	44.83	---	62.91	18.08	N	OFF	19.5
0.235500	---	34.72	52.25	17.53	N	OFF	19.5
0.235500	44.78	---	62.25	17.47	N	OFF	19.5
0.585600	---	29.49	46.00	16.51	N	OFF	19.5
0.585600	36.52	---	56.00	19.48	N	OFF	19.5
0.712500	---	28.16	46.00	17.84	N	OFF	19.5
0.712500	37.26	---	56.00	18.74	N	OFF	19.5
0.753000	---	31.03	46.00	14.97	N	OFF	19.6
0.753000	40.66	---	56.00	15.34	N	OFF	19.6
8.295000	---	20.32	50.00	29.68	N	OFF	19.8
8.295000	26.74	---	60.00	33.26	N	OFF	19.8
13.560000	---	39.83	50.00	10.17	N	OFF	19.9

13.560000	**52.51**	**---**	**60.00**	**7.49**	**N**	**OFF**	**19.9**

Appendix B. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	22~23°C
		Relative Humidity :	51~58%

<CDD Mode>

Band 1 - 5150~5250MHz

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		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.24	62.16	-11.84	74	51.62	34.4	11.56	35.42	203	219	P	H
		5150	51.58	-2.42	54	41.04	34.4	11.56	35.42	203	219	A	H
	*	5180	111.89	-	-	101.25	34.47	11.58	35.41	203	219	P	H
	*	5180	104.65	-	-	94.01	34.47	11.58	35.41	203	219	A	H
													H
													H
		5146.9	54.26	-19.74	74	43.73	34.4	11.55	35.42	200	58	P	V
		5150	45.39	-8.61	54	34.85	34.4	11.56	35.42	200	58	A	V
	*	5180	106.17	-	-	95.53	34.47	11.58	35.41	200	58	P	V
	*	5180	98.58	-	-	87.94	34.47	11.58	35.41	200	58	A	V
													V
													V
802.11a CH 44 5220MHz		5143.78	57.24	-16.76	74	46.71	34.4	11.55	35.42	201	222	P	H
		5150	49.7	-4.3	54	39.16	34.4	11.56	35.42	201	222	A	H
	*	5220	113.72	-	-	103	34.5	11.62	35.4	201	222	P	H
	*	5220	105.72	-	-	95	34.5	11.62	35.4	201	222	A	H
		5380.76	49.11	-24.89	74	38.03	34.63	11.79	35.34	201	222	P	H
		5354.44	39.51	-14.49	54	28.6	34.5	11.76	35.35	201	222	A	H
		5150	51.92	-22.08	74	41.38	34.4	11.56	35.42	200	61	P	V
		5150	44.26	-9.74	54	33.72	34.4	11.56	35.42	200	61	A	V
	*	5220	107.63	-	-	96.91	34.5	11.62	35.4	200	61	P	V
	*	5220	99.89	-	-	89.17	34.5	11.62	35.4	200	61	A	V
		5378.24	48.43	-25.57	74	37.35	34.63	11.79	35.34	200	61	P	V
		5459.72	38.56	-15.44	54	27.29	34.7	11.88	35.31	200	61	A	V

802.11a CH 48 5240MHz		5148.2	50.74	-23.26	74	40.2	34.4	11.56	35.42	205	221	P	H
		5148.72	43.34	-10.66	54	32.8	34.4	11.56	35.42	205	221	A	H
	*	5240	112.25	-	-	101.5	34.5	11.64	35.39	205	221	P	H
	*	5240	104.53	-	-	93.78	34.5	11.64	35.39	205	221	A	H
		5417.16	48.77	-25.23	74	37.57	34.7	11.83	35.33	205	221	P	H
		5350.8	39.67	-14.33	54	28.76	34.5	11.76	35.35	205	221	A	H
		5127.4	48.37	-25.63	74	37.89	34.37	11.54	35.43	196	61	P	V
		5150	40.43	-13.57	54	29.89	34.4	11.56	35.42	196	61	A	V
	*	5240	105.92	-	-	95.17	34.5	11.64	35.39	196	61	P	V
	*	5240	98.34	-	-	87.59	34.5	11.64	35.39	196	61	A	V
		5354.16	47.83	-26.17	74	36.92	34.5	11.76	35.35	196	61	P	V
		5459.44	38.55	-15.45	54	27.28	34.7	11.88	35.31	196	61	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	43.69	-24.51	68.2	47.67	37.47	17.58	59.03	100	0	P	H
		15540	44.5	-29.5	74	39.52	40.1	21.65	56.77	100	0	P	H
													H
													H
		10360	42.8	-25.4	68.2	46.78	37.47	17.58	59.03	100	0	P	V
		15540	44.63	-29.37	74	39.65	40.1	21.65	56.77	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	44.7	-23.5	68.2	48.49	37.53	17.65	58.97	100	0	P	H
		15660	45.65	-28.35	74	40.22	40.45	21.73	56.75	100	0	P	H
													H
													H
		10440	44.48	-23.72	68.2	48.27	37.53	17.65	58.97	100	0	P	V
		15660	46.7	-27.3	74	41.27	40.45	21.73	56.75	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	44.74	-23.46	68.2	48.42	37.58	17.68	58.94	100	0	P	H
		15720	46.5	-27.5	74	40.9	40.58	21.76	56.74	100	0	P	H
													H
													H
		10480	43.03	-25.17	68.2	46.71	37.58	17.68	58.94	100	0	P	V
		15720	45.57	-28.43	74	39.97	40.58	21.76	56.74	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)
		5150	57.26	-16.74	74	46.72	34.4	11.56	35.42	204	220	P	H
		5150	49.75	-4.25	54	39.21	34.4	11.56	35.42	204	220	A	H
	*	5180	111.48	-	-	100.84	34.47	11.58	35.41	204	220	P	H
	*	5180	103.45	-	-	92.81	34.47	11.58	35.41	204	220	A	H
802.11ac													H
VHT20													H
CH 36		5148.98	50.62	-23.38	74	40.08	34.4	11.56	35.42	200	62	P	V
5180MHz		5150	44.63	-9.37	54	34.09	34.4	11.56	35.42	200	62	A	V
	*	5180	105.53	-	-	94.89	34.47	11.58	35.41	200	62	P	V
	*	5180	97.69	-	-	87.05	34.47	11.58	35.41	200	62	A	V
													V
													V
		5146.12	57.42	-16.58	74	46.89	34.4	11.55	35.42	196	220	P	H
		5150	49.84	-4.16	54	39.3	34.4	11.56	35.42	196	220	A	H
	*	5220	113.47	-	-	102.75	34.5	11.62	35.4	196	220	P	H
	*	5220	105.14	-	-	94.42	34.5	11.62	35.4	196	220	A	H
802.11ac		5367.6	48.56	-25.44	74	37.56	34.57	11.78	35.35	196	220	P	H
VHT20		5354.44	39.5	-14.5	54	28.59	34.5	11.76	35.35	196	220	A	H
CH 44		5149.76	52.27	-21.73	74	41.73	34.4	11.56	35.42	201	62	P	V
5220MHz		5150	44.23	-9.77	54	33.69	34.4	11.56	35.42	201	62	A	V
	*	5220	107.19	-	-	96.47	34.5	11.62	35.4	201	62	P	V
	*	5220	99.23	-	-	88.51	34.5	11.62	35.4	201	62	A	V
		5350.52	47.73	-26.27	74	36.82	34.5	11.76	35.35	201	62	P	V
		5459.72	38.6	-15.4	54	27.33	34.7	11.88	35.31	201	62	A	V

		5147.94	51.33	-22.67	74	40.79	34.4	11.56	35.42	209	221	P	H
		5150	43.56	-10.44	54	33.02	34.4	11.56	35.42	209	221	A	H
	*	5240	112.43	-	-	101.68	34.5	11.64	35.39	209	221	P	H
	*	5240	103.86	-	-	93.11	34.5	11.64	35.39	209	221	A	H
802.11ac		5380.76	48.75	-25.25	74	37.67	34.63	11.79	35.34	209	221	P	H
VHT20		5350	39.48	-14.52	54	28.57	34.5	11.76	35.35	209	221	A	H
CH 48		5139.62	48.44	-25.56	74	37.91	34.4	11.55	35.42	199	63	P	V
5240MHz		5150	40.19	-13.81	54	29.65	34.4	11.56	35.42	199	63	A	V
	*	5240	106.47	-	-	95.72	34.5	11.64	35.39	199	63	P	V
	*	5240	97.55	-	-	86.8	34.5	11.64	35.39	199	63	A	V
		5413.52	47.77	-26.23	74	36.57	34.7	11.83	35.33	199	63	P	V
		5458.88	38.5	-15.5	54	27.23	34.7	11.88	35.31	199	63	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	43.53	-24.67	68.2	47.51	37.47	17.58	59.03	100	0	P	H
		15540	44.68	-29.32	74	39.7	40.1	21.65	56.77	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	43.53	-24.67	68.2	47.51	37.47	17.58	59.03	100	0	P	V
5180MHz		15540	44.93	-29.07	74	39.95	40.1	21.65	56.77	100	0	P	V
													V
													V
		10440	45.28	-22.92	68.2	49.07	37.53	17.65	58.97	100	0	P	H
		15660	46.47	-27.53	74	41.04	40.45	21.73	56.75	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	43.79	-24.41	68.2	47.58	37.53	17.65	58.97	100	0	P	V
5220MHz		15660	46.2	-27.8	74	40.77	40.45	21.73	56.75	100	0	P	V
													V
													V
		10480	44.27	-23.93	68.2	47.95	37.58	17.68	58.94	100	0	P	H
		15720	47.15	-26.85	74	41.55	40.58	21.76	56.74	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	45.6	-22.6	68.2	49.28	37.58	17.68	58.94	100	0	P	V
5240MHz		15720	47.49	-26.51	74	41.89	40.58	21.76	56.74	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	59.23	-14.77	74	48.69	34.4	11.56	35.42	180	222	P	H
		5149.76	50.08	-3.92	54	39.54	34.4	11.56	35.42	180	222	A	H
	*	5190	105.3	-	-	94.65	34.47	11.59	35.41	180	222	P	H
	*	5190	97.55	-	-	86.9	34.47	11.59	35.41	180	222	A	H
802.11ac		5381.32	47.71	-26.29	74	36.63	34.63	11.79	35.34	180	222	P	H
VHT40		5452.44	40.52	-13.48	54	29.27	34.7	11.87	35.32	180	222	A	H
CH 38		5149.24	52.74	-21.26	74	42.2	34.4	11.56	35.42	202	64	P	V
5190MHz		5150	45.57	-8.43	54	35.03	34.4	11.56	35.42	202	64	A	V
	*	5190	99.15	-	-	88.5	34.47	11.59	35.41	202	64	P	V
	*	5190	91.75	-	-	81.1	34.47	11.59	35.41	202	64	A	V
		5446	47.34	-26.66	74	36.1	34.7	11.86	35.32	202	64	P	V
		5454.68	40.54	-13.46	54	29.29	34.7	11.87	35.32	202	64	A	V
		5138.58	57.33	-16.67	74	46.83	34.37	11.55	35.42	195	218	P	H
		5149.5	50.05	-3.95	54	39.51	34.4	11.56	35.42	195	218	A	H
	*	5230	107.34	-	-	96.6	34.5	11.63	35.39	195	218	P	H
	*	5230	99.84	-	-	89.1	34.5	11.63	35.39	195	218	A	H
802.11ac		5456.36	49.11	-24.89	74	37.85	34.7	11.87	35.31	195	218	P	H
VHT40		5354.16	42.01	-11.99	54	31.1	34.5	11.76	35.35	195	218	A	H
CH 46		5144.04	51.14	-22.86	74	40.61	34.4	11.55	35.42	197	60	P	V
5230MHz		5150	44.59	-9.41	54	34.05	34.4	11.56	35.42	197	60	A	V
	*	5230	101.42	-	-	90.68	34.5	11.63	35.39	197	60	P	V
	*	5230	94.14	-	-	83.4	34.5	11.63	35.39	197	60	A	V
		5382.44	49.16	-24.84	74	38.08	34.63	11.79	35.34	197	60	P	V
		5372.64	40.49	-13.51	54	29.48	34.57	11.78	35.34	197	60	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	43.6	-24.6	68.2	47.54	37.48	17.6	59.02	100	0	P	H
		15570	45.34	-28.66	74	40.23	40.2	21.68	56.77	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	42.81	-25.39	68.2	46.75	37.48	17.6	59.02	100	0	P	V
5190MHz		15570	46.56	-27.44	74	41.45	40.2	21.68	56.77	100	0	P	V
													V
													V
		10460	44.47	-23.73	68.2	48.22	37.55	17.66	58.96	100	0	P	H
		15690	46.88	-27.12	74	41.33	40.55	21.75	56.75	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	43.95	-24.25	68.2	47.7	37.55	17.66	58.96	100	0	P	V
5230MHz		15690	46.18	-27.82	74	40.63	40.55	21.75	56.75	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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		5149.5	57.8	-16.2	74	47.26	34.4	11.56	35.42	210	224	P	H
		5150	51.65	-2.35	54	41.11	34.4	11.56	35.42	210	224	A	H
	*	5210	102.7	-	-	91.99	34.5	11.61	35.4	210	224	P	H
	*	5210	95.83	-	-	85.12	34.5	11.61	35.4	210	224	A	H
		5367.88	50.1	-23.9	74	39.09	34.57	11.78	35.34	210	224	P	H
		5375.72	41.45	-12.55	54	30.44	34.57	11.78	35.34	210	224	A	H
		5145.86	50.98	-23.02	74	40.45	34.4	11.55	35.42	191	63	P	V
		5148.46	43.69	-10.31	54	33.15	34.4	11.56	35.42	191	63	A	V
	*	5210	95.03	-	-	84.32	34.5	11.61	35.4	191	63	P	V
	*	5210	87.77	-	-	77.06	34.5	11.61	35.4	191	63	A	V
		5455.52	48.16	-25.84	74	36.91	34.7	11.87	35.32	191	63	P	V
		5444.88	40.37	-13.63	54	29.13	34.7	11.86	35.32	191	63	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	43.94	-24.26	68.2	47.78	37.52	17.63	58.99	100	0	P	H
		15630	48.79	-25.21	74	43.44	40.4	21.71	56.76	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	43.46	-24.74	68.2	47.3	37.52	17.63	58.99	100	0	P	V
5210MHz		15630	48.65	-25.35	74	43.3	40.4	21.71	56.76	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (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		5144.2	49.7	-24.3	74	39.17	34.4	11.55	35.42	200	231	P	H
		5150	41.43	-12.57	54	30.89	34.4	11.56	35.42	200	231	A	H
	*	5260	112.29	-	-	101.44	34.57	11.66	35.38	200	231	P	H
	*	5260	103.78	-	-	92.93	34.57	11.66	35.38	200	231	A	H
		5353.68	49.33	-24.67	74	38.42	34.5	11.76	35.35	200	231	P	H
		5350.08	40.84	-13.16	54	29.93	34.5	11.76	35.35	200	231	A	H
		5072.8	48.1	-25.9	74	37.83	34.23	11.49	35.45	243	65	P	V
		5137.55	39.44	-14.56	54	28.94	34.37	11.55	35.42	243	65	A	V
	*	5260	105.2	-	-	94.35	34.57	11.66	35.38	243	65	P	V
	*	5260	97.17	-	-	86.32	34.57	11.66	35.38	243	65	A	V
		5427.84	48.52	-25.48	74	37.3	34.7	11.84	35.32	243	65	P	V
		5458.8	38.57	-15.43	54	27.3	34.7	11.88	35.31	243	65	A	V
802.11a CH 60 5300MHz		5148.75	49.5	-24.5	74	38.96	34.4	11.56	35.42	192	221	P	H
		5145.6	39.94	-14.06	54	29.41	34.4	11.55	35.42	192	221	A	H
	*	5300	112.33	-	-	101.3	34.7	11.7	35.37	192	221	P	H
	*	5300	103.93	-	-	92.9	34.7	11.7	35.37	192	221	A	H
		5359.2	59.39	-14.61	74	48.47	34.5	11.77	35.35	192	221	P	H
		5350.08	51.62	-2.38	54	40.71	34.5	11.76	35.35	192	221	A	H
		5099.75	48.66	-25.34	74	38.29	34.3	11.51	35.44	307	69	P	V
		5149.8	39.19	-14.81	54	28.65	34.4	11.56	35.42	307	69	A	V
	*	5300	105.69	-	-	94.66	34.7	11.7	35.37	307	69	P	V
	*	5300	97.6	-	-	86.57	34.7	11.7	35.37	307	69	A	V
		5360.4	51.05	-22.95	74	40.13	34.5	11.77	35.35	307	69	P	V
		5350.08	44.09	-9.91	54	33.18	34.5	11.76	35.35	307	69	A	V

802.11a CH 64 5320MHz	*	5320	110.64	-	-	99.64	34.63	11.73	35.36	202	231	P	H
	*	5320	102.98	-	-	91.98	34.63	11.73	35.36	202	231	A	H
		5353.12	57.69	-16.31	74	46.78	34.5	11.76	35.35	202	231	P	H
		5350.08	50.22	-3.78	54	39.31	34.5	11.76	35.35	202	231	A	H
													H
													H
	*	5320	104.24	-	-	93.24	34.63	11.73	35.36	396	90	P	V
	*	5320	96.73	-	-	85.73	34.63	11.73	35.36	396	90	A	V
		5351.84	51.09	-22.91	74	40.18	34.5	11.76	35.35	396	90	P	V
		5350.08	44.99	-9.01	54	34.08	34.5	11.76	35.35	396	90	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	43.44	-24.76	68.2	47.06	37.6	17.7	58.92	100	0	P	H
		15780	61.02	-12.98	74	55.43	40.53	21.8	56.74	199	61	P	H
		15780	50.74	-3.26	54	45.15	40.53	21.8	56.74	199	61	A	H
													H
		10520	43.62	-24.58	68.2	47.24	37.6	17.7	58.92	100	0	P	V
		15780	58.01	-15.99	74	52.42	40.53	21.8	56.74	154	80	P	V
		15780	48.68	-5.32	54	43.09	40.53	21.8	56.74	154	80	A	V
													V
802.11a CH 60 5300MHz		10600	43.14	-30.86	74	46.66	37.6	17.76	58.88	100	0	P	H
		15900	46.82	-27.18	74	40.85	40.8	21.89	56.72	100	0	P	H
													H
													H
		10600	43.8	-30.2	74	47.32	37.6	17.76	58.88	100	0	P	V
		15900	47.41	-26.59	74	41.44	40.8	21.89	56.72	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	43.87	-30.13	74	47.31	37.63	17.79	58.86	100	0	P	H
		15960	45.03	-28.97	74	39.01	40.8	21.93	56.71	100	0	P	H
													H
													H
		10640	44.2	-29.8	74	47.64	37.63	17.79	58.86	100	0	P	V
		15960	44.62	-29.38	74	38.6	40.8	21.93	56.71	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)
		5140.7	49.61	-24.39	74	39.08	34.4	11.55	35.42	189	221	P	H
		5150	41.56	-12.44	54	31.02	34.4	11.56	35.42	189	221	A	H
	*	5260	111.87	-	-	101.02	34.57	11.66	35.38	189	221	P	H
	*	5260	103.52	-	-	92.67	34.57	11.66	35.38	189	221	A	H
802.11ac		5367.6	49.94	-24.06	74	38.94	34.57	11.78	35.35	189	221	P	H
VHT20		5350.08	41.23	-12.77	54	30.32	34.5	11.76	35.35	189	221	A	H
CH 52		5073.85	48.1	-25.9	74	37.82	34.23	11.49	35.44	243	63	P	V
5260MHz		5136.15	39.45	-14.55	54	28.95	34.37	11.55	35.42	243	63	A	V
	*	5260	104.75	-	-	93.9	34.57	11.66	35.38	243	63	P	V
	*	5260	96.5	-	-	85.65	34.57	11.66	35.38	243	63	A	V
		5455.44	47.42	-26.58	74	36.17	34.7	11.87	35.32	243	63	P	V
		5457.6	38.49	-15.51	54	27.22	34.7	11.88	35.31	243	63	A	V
		5096.25	48.35	-25.65	74	37.98	34.3	11.51	35.44	197	223	P	H
		5150	39.9	-14.1	54	29.36	34.4	11.56	35.42	197	223	A	H
	*	5300	111.87	-	-	100.84	34.7	11.7	35.37	197	223	P	H
	*	5300	103.44	-	-	92.41	34.7	11.7	35.37	197	223	A	H
802.11ac		5350.56	60.45	-13.55	74	49.54	34.5	11.76	35.35	197	223	P	H
VHT20		5350.08	52.69	-1.31	54	41.78	34.5	11.76	35.35	197	223	A	H
CH 60		5058.8	48.54	-25.46	74	38.34	34.17	11.48	35.45	311	70	P	V
5300MHz		5141.4	39.18	-14.82	54	28.65	34.4	11.55	35.42	311	70	A	V
	*	5300	104.63	-	-	93.6	34.7	11.7	35.37	311	70	P	V
	*	5300	96.59	-	-	85.56	34.7	11.7	35.37	311	70	A	V
		5351.52	51.96	-22.04	74	41.05	34.5	11.76	35.35	311	70	P	V
		5350.08	44.42	-9.58	54	33.51	34.5	11.76	35.35	311	70	A	V

	*	5320	110.4	-	-	99.4	34.63	11.73	35.36	203	231	P	H
	*	5320	102.81	-	-	91.81	34.63	11.73	35.36	203	231	A	H
		5350.56	58.24	-15.76	74	47.33	34.5	11.76	35.35	203	231	P	H
		5350.08	51	-3	54	40.09	34.5	11.76	35.35	203	231	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	104.67	-	-	93.67	34.63	11.73	35.36	396	94	P	V
5320MHz	*	5320	96.86	-	-	85.86	34.63	11.73	35.36	396	94	A	V
		5350.4	51.53	-22.47	74	40.62	34.5	11.76	35.35	396	94	P	V
		5350.08	45.33	-8.67	54	34.42	34.5	11.76	35.35	396	94	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	43.93	-24.27	68.2	47.55	37.6	17.7	58.92	100	0	P	H
		15780	47.95	-26.05	74	42.36	40.53	21.8	56.74	199	63	P	H
802.11ac													H
VHT20													H
CH 52		10520	43.69	-24.51	68.2	47.31	37.6	17.7	58.92	100	0	P	V
5260MHz		15780	46.28	-27.72	74	40.69	40.53	21.8	56.74	100	0	P	V
													V
													V
		10600	42.88	-31.12	74	46.4	37.6	17.76	58.88	100	0	P	H
		15900	47.78	-26.22	74	41.81	40.8	21.89	56.72	200	62	P	H
802.11ac													H
VHT20													H
CH 60		10600	44.48	-29.52	74	48	37.6	17.76	58.88	100	0	P	V
5300MHz		15900	46.48	-27.52	74	40.51	40.8	21.89	56.72	100	0	P	V
													V
													V
		10640	44.41	-29.59	74	47.85	37.63	17.79	58.86	100	0	P	H
		15960	46.36	-27.64	74	40.34	40.8	21.93	56.71	193	63	P	H
802.11ac													H
VHT20													H
CH 64		10640	44.38	-29.62	74	47.82	37.63	17.79	58.86	100	0	P	V
5320MHz		15960	44.64	-29.36	74	38.62	40.8	21.93	56.71	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)
		5145.95	51.42	-22.58	74	40.89	34.4	11.55	35.42	194	217	P	H
		5149.8	44.15	-9.85	54	33.61	34.4	11.56	35.42	194	217	A	H
	*	5270	107.25	-	-	96.39	34.57	11.67	35.38	194	217	P	H
	*	5270	99.66	-	-	88.8	34.57	11.67	35.38	194	217	A	H
802.11ac		5358.96	57.13	-16.87	74	46.21	34.5	11.77	35.35	194	217	P	H
VHT40		5351.28	51.58	-2.42	54	40.67	34.5	11.76	35.35	194	217	A	H
CH 54		5142.1	49.9	-24.1	74	39.37	34.4	11.55	35.42	188	297	P	V
5270MHz		5139.65	40.98	-13.02	54	30.45	34.4	11.55	35.42	188	297	A	V
	*	5270	101.88	-	-	91.02	34.57	11.67	35.38	188	297	P	V
	*	5270	93.82	-	-	82.96	34.57	11.67	35.38	188	297	A	V
		5351.04	53.68	-20.32	74	42.77	34.5	11.76	35.35	188	297	P	V
		5350.08	46.54	-7.46	54	35.63	34.5	11.76	35.35	188	297	A	V
		5030.45	48.62	-25.38	74	38.52	34.1	11.46	35.46	199	222	P	H
		5150	41.13	-12.87	54	30.59	34.4	11.56	35.42	199	222	A	H
	*	5310	103.57	-	-	92.58	34.63	11.72	35.36	199	222	P	H
	*	5310	96	-	-	85.01	34.63	11.72	35.36	199	222	A	H
802.11ac		5352.24	58.87	-15.13	74	47.96	34.5	11.76	35.35	199	222	P	H
VHT40		5350.8	50.65	-3.35	54	39.74	34.5	11.76	35.35	199	222	A	H
CH 62		5140.7	50.12	-23.88	74	39.59	34.4	11.55	35.42	200	295	P	V
5310MHz		5124.25	40.94	-13.06	54	30.46	34.37	11.54	35.43	200	295	A	V
	*	5310	97.38	-	-	86.39	34.63	11.72	35.36	200	295	P	V
	*	5310	90.08	-	-	79.09	34.63	11.72	35.36	200	295	A	V
		5350.56	51.14	-22.86	74	40.23	34.5	11.76	35.35	200	295	P	V
		5350.8	45.26	-8.74	54	34.35	34.5	11.76	35.35	200	295	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	43.32	-24.88	68.2	46.92	37.6	17.71	58.91	100	0	P	H
		15810	58.5	-15.5	74	52.91	40.5	21.82	56.73	203	62	P	H
802.11ac		15810	48.43	-5.57	54	42.84	40.5	21.82	56.73	203	62	A	H
VHT40													H
CH 54		10540	43.42	-24.78	68.2	47.02	37.6	17.71	58.91	100	0	P	V
5270MHz		15810	58.03	-15.97	74	52.44	40.5	21.82	56.73	173	74	P	V
		15810	50.94	-3.06	54	45.35	40.5	21.82	56.73	173	74	A	V
													V
		10620	44.28	-29.72	74	47.75	37.62	17.78	58.87	100	0	P	H
		15930	46.92	-27.08	74	40.92	40.8	21.91	56.71	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	43.49	-30.51	74	46.96	37.62	17.78	58.87	100	0	P	V
5310MHz		15930	46.11	-27.89	74	40.11	40.8	21.91	56.71	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)
802.11ac VHT80 CH 58 5290MHz		5131.95	50.22	-23.78	74	39.74	34.37	11.54	35.43	205	223	P	H
		5144.2	41.49	-12.51	54	30.96	34.4	11.55	35.42	205	223	A	H
	*	5290	101.36	-	-	90.41	34.63	11.69	35.37	205	223	P	H
	*	5290	95	-	-	84.05	34.63	11.69	35.37	205	223	A	H
		5350.56	58.77	-15.23	74	47.86	34.5	11.76	35.35	205	223	P	H
		5351.04	51.89	-2.11	54	40.98	34.5	11.76	35.35	205	223	A	H
		5040.6	49.16	-24.84	74	39.06	34.1	11.46	35.46	200	298	P	V
		5148.4	40.98	-13.02	54	30.44	34.4	11.56	35.42	200	298	A	V
	*	5290	93.33	-	-	82.38	34.63	11.69	35.37	200	298	P	V
	*	5290	86.65	-	-	75.7	34.63	11.69	35.37	200	298	A	V
		5351.52	50.82	-23.18	74	39.91	34.5	11.76	35.35	200	298	P	V
		5352.72	44.68	-9.32	54	33.77	34.5	11.76	35.35	200	298	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	42.82	-25.38	68.2	46.36	37.6	17.75	58.89	100	0	P	H
		15870	46.5	-27.5	74	40.61	40.74	21.87	56.72	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	43.26	-24.94	68.2	46.8	37.6	17.75	58.89	100	0	P	V
5290MHz		15870	47.35	-26.65	74	41.46	40.74	21.87	56.72	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (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		5442.48	51.13	-22.87	74	39.89	34.7	11.86	35.32	207	222	P	H
		5469.2	52.55	-15.65	68.2	41.17	34.8	11.89	35.31	207	222	P	H
		5460	43.53	-10.47	54	32.26	34.7	11.88	35.31	207	222	A	H
	*	5500	111.9	-	-	100.27	35	11.93	35.3	207	222	P	H
	*	5500	104.64	-	-	93.01	35	11.93	35.3	207	222	A	H
													H
		5446.32	48.57	-25.43	74	37.33	34.7	11.86	35.32	198	294	P	V
		5464.24	48.69	-19.51	68.2	37.32	34.8	11.88	35.31	198	294	P	V
		5460	40.65	-13.35	54	29.38	34.7	11.88	35.31	198	294	A	V
	*	5500	107.11	-	-	95.48	35	11.93	35.3	198	294	P	V
	*	5500	99.4	-	-	87.77	35	11.93	35.3	198	294	A	V
													V
802.11a CH 116 5580MHz		5401.12	48.82	-25.18	74	37.64	34.7	11.81	35.33	199	221	P	H
		5467.84	47.38	-20.82	68.2	36	34.8	11.89	35.31	199	221	P	H
		5459.68	39.59	-14.41	54	28.32	34.7	11.88	35.31	199	221	A	H
	*	5580	112.7	-	-	101.12	34.87	12.02	35.31	199	221	P	H
	*	5580	105.39	-	-	93.81	34.87	12.02	35.31	199	221	A	H
		5747.675	48.32	-19.88	68.2	36.36	35	12.28	35.32	199	221	P	H
		5455.12	47.66	-26.34	74	36.41	34.7	11.87	35.32	204	294	P	V
		5463.76	46.86	-21.34	68.2	35.49	34.8	11.88	35.31	204	294	P	V
		5459.92	38.88	-15.12	54	27.61	34.7	11.88	35.31	204	294	A	V
	*	5580	108.38	-	-	96.8	34.87	12.02	35.31	204	294	P	V
	*	5580	100.72	-	-	89.14	34.87	12.02	35.31	204	294	A	V
		5759.96	49.42	-18.78	68.2	37.45	35	12.3	35.33	204	294	P	V

802.11a CH 140 5700MHz	*	5700	111	-	-	99.12	35	12.2	35.32	198	222	P	H
	*	5700	103.18	-	-	91.3	35	12.2	35.32	198	222	A	H
		5725.16	63.97	-4.23	68.2	52.04	35	12.25	35.32	198	222	P	H
													H
													H
													H
	*	5700	108.28	-	-	96.4	35	12.2	35.32	182	296	P	V
	*	5700	100.75	-	-	88.87	35	12.2	35.32	182	296	A	V
		5725	62.56	-5.64	68.2	50.63	35	12.25	35.32	182	296	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	45.13	-28.87	74	47.87	37.9	18.05	58.69	100	0	P	H
		16500	47.89	-20.31	68.2	40.33	41.6	22.38	56.42	100	0	P	H
													H
													H
		11000	44.26	-29.74	74	47	37.9	18.05	58.69	100	0	P	V
		16500	47.53	-20.67	68.2	39.97	41.6	22.38	56.42	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	44.52	-29.48	74	46.74	37.9	18.19	58.31	100	0	P	H
		16740	48.17	-20.03	68.2	39.56	42.36	22.58	56.33	100	0	P	H
													H
													H
		11160	44.39	-29.61	74	46.61	37.9	18.19	58.31	100	0	P	V
		16740	47.79	-20.41	68.2	39.18	42.36	22.58	56.33	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	46.44	-27.56	74	47.67	38.1	18.41	57.74	100	0	P	H
		17100	51.67	-16.53	68.2	43.07	42	22.87	56.27	100	0	P	H
													H
													H
		11400	45.01	-28.99	74	46.24	38.1	18.41	57.74	100	0	P	V
		17100	50.13	-18.07	68.2	41.53	42	22.87	56.27	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)
		5459.44	50.79	-23.21	74	39.52	34.7	11.88	35.31	207	221	P	H
		5469.84	56.02	-12.18	68.2	44.64	34.8	11.89	35.31	207	221	P	H
		5459.92	43.37	-10.63	54	32.1	34.7	11.88	35.31	207	221	A	H
	*	5500	111.63	-	-	100	35	11.93	35.3	207	221	P	H
802.11ac	*	5500	103.64	-	-	92.01	35	11.93	35.3	207	221	A	H
VHT20													H
CH 100		5459.92	47.74	-26.26	74	36.47	34.7	11.88	35.31	198	294	P	V
5500MHz		5461.2	48.69	-19.51	68.2	37.42	34.7	11.88	35.31	198	294	P	V
		5460	40.48	-13.52	54	29.21	34.7	11.88	35.31	198	294	A	V
	*	5500	105.76	-	-	94.13	35	11.93	35.3	198	294	P	V
	*	5500	98.54	-	-	86.91	35	11.93	35.3	198	294	A	V
													V
		5384.56	48.14	-25.86	74	37.06	34.63	11.79	35.34	189	223	P	H
		5469.76	46.95	-21.25	68.2	35.57	34.8	11.89	35.31	189	223	P	H
		5459.68	39.47	-14.53	54	28.2	34.7	11.88	35.31	189	223	A	H
	*	5580	112.29	-	-	100.71	34.87	12.02	35.31	189	223	P	H
802.11ac	*	5580	104.5	-	-	92.92	34.87	12.02	35.31	189	223	A	H
VHT20		5754.92	48.71	-19.49	68.2	36.74	35	12.3	35.33	189	223	P	H
CH 116		5429.44	47.58	-26.42	74	36.36	34.7	11.84	35.32	400	109	P	V
5580MHz		5469.52	47.21	-20.99	68.2	35.83	34.8	11.89	35.31	400	109	P	V
		5459.92	38.94	-15.06	54	27.67	34.7	11.88	35.31	400	109	A	V
	*	5580	108.2	-	-	96.62	34.87	12.02	35.31	400	109	P	V
	*	5580	100.08	-	-	88.5	34.87	12.02	35.31	400	109	A	V
		5753.03	48.34	-19.86	68.2	36.38	35	12.29	35.33	400	109	P	V

	*	5700	110.68	-	-	98.8	35	12.2	35.32	199	141	P	H
	*	5700	102.5	-	-	90.62	35	12.2	35.32	199	141	A	H
		5725.64	64.41	-3.79	68.2	52.48	35	12.25	35.32	199	141	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	107.82	-	-	95.94	35	12.2	35.32	200	298	P	V
5700MHz	*	5700	100.08	-	-	88.2	35	12.2	35.32	200	298	A	V
		5725.64	62.69	-5.51	68.2	50.76	35	12.25	35.32	200	298	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	44.84	-29.16	74	47.58	37.9	18.05	58.69	100	0	P	H
		16500	48.94	-19.26	68.2	41.38	41.6	22.38	56.42	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	44.11	-29.89	74	46.85	37.9	18.05	58.69	100	0	P	V
5500MHz		16500	47.25	-20.95	68.2	39.69	41.6	22.38	56.42	100	0	P	V
													V
													V
		11160	44.11	-29.89	74	46.33	37.9	18.19	58.31	100	0	P	H
		16740	47.13	-21.07	68.2	38.52	42.36	22.58	56.33	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	44.49	-29.51	74	46.71	37.9	18.19	58.31	100	0	P	V
5580MHz		16740	48.53	-19.67	68.2	39.92	42.36	22.58	56.33	100	0	P	V
													V
													V
		11400	44.93	-29.07	74	46.16	38.1	18.41	57.74	100	0	P	H
		17100	50.59	-17.61	68.2	41.99	42	22.87	56.27	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	45.73	-28.27	74	46.96	38.1	18.41	57.74	100	0	P	V
5700MHz		17100	50.03	-18.17	68.2	41.43	42	22.87	56.27	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)
		5450.56	58.36	-15.64	74	47.11	34.7	11.87	35.32	196	226	P	H
		5469.52	63.13	-5.07	68.2	51.75	34.8	11.89	35.31	196	226	P	H
		5459.68	50.58	-3.42	54	39.31	34.7	11.88	35.31	196	226	A	H
	*	5510	109.07	-	-	97.43	35	11.94	35.3	196	226	P	H
802.11ac	*	5510	102.88	-	-	91.24	35	11.94	35.3	196	226	A	H
VHT40		5734.76	49.11	-19.09	68.2	37.17	35	12.26	35.32	196	226	P	H
CH 102		5457.52	53.74	-20.26	74	42.47	34.7	11.88	35.31	200	296	P	V
5510MHz		5469.28	59.05	-9.15	68.2	47.67	34.8	11.89	35.31	200	296	P	V
		5459.92	46.12	-7.88	54	34.85	34.7	11.88	35.31	200	296	A	V
	*	5510	102.47	-	-	90.83	35	11.94	35.3	200	296	P	V
	*	5510	95.57	-	-	83.93	35	11.94	35.3	200	296	A	V
		5759.015	48.75	-19.45	68.2	36.78	35	12.3	35.33	200	296	P	V
		5453.68	49.42	-24.58	74	38.17	34.7	11.87	35.32	204	224	P	H
		5467.6	50.1	-18.1	68.2	38.72	34.8	11.89	35.31	204	224	P	H
		5459.2	43.11	-10.89	54	31.84	34.7	11.88	35.31	204	224	A	H
	*	5550	108.65	-	-	97.18	34.8	11.98	35.31	204	224	P	H
802.11ac	*	5550	102.06	-	-	90.59	34.8	11.98	35.31	204	224	A	H
VHT40		5730.665	49.11	-19.09	68.2	37.17	35	12.26	35.32	204	224	P	H
CH 110		5459.44	48.1	-25.9	74	36.83	34.7	11.88	35.31	194	297	P	V
5550MHz		5466.88	50.33	-17.87	68.2	38.95	34.8	11.89	35.31	194	297	P	V
		5456.8	41.25	-12.75	54	29.98	34.7	11.88	35.31	194	297	A	V
	*	5550	102.15	-	-	90.68	34.8	11.98	35.31	194	297	P	V
	*	5550	95.64	-	-	84.17	34.8	11.98	35.31	194	297	A	V
		5746.415	48.54	-19.66	68.2	36.58	35	12.28	35.32	194	297	P	V

		5419.65	48.17	-25.83	74	36.97	34.7	11.83	35.33	194	225	P	H
		5466.55	48.05	-20.15	68.2	36.67	34.8	11.89	35.31	194	225	P	H
		5457.8	40.72	-13.28	54	29.45	34.7	11.88	35.31	194	225	A	H
	*	5670	109.67	-	-	97.98	34.85	12.16	35.32	194	225	P	H
802.11ac	*	5670	102.67	-	-	90.98	34.85	12.16	35.32	194	225	A	H
VHT40		5725.275	64.89	-3.31	68.2	52.96	35	12.25	35.32	194	225	P	H
CH 134		5451.15	48.17	-25.83	74	36.92	34.7	11.87	35.32	293	311	P	V
5670MHz		5461.65	48.14	-20.06	68.2	36.87	34.7	11.88	35.31	293	311	P	V
		5446.6	40.38	-13.62	54	29.14	34.7	11.86	35.32	293	311	A	V
	*	5670	103.37	-	-	91.68	34.85	12.16	35.32	293	311	P	V
	*	5670	97.49	-	-	85.8	34.85	12.16	35.32	293	311	A	V
		5726.15	58.22	-9.98	68.2	46.29	35	12.25	35.32	293	311	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	44.66	-29.34	74	47.34	37.9	18.06	58.64	100	0	P	H
		16530	47.57	-20.63	68.2	39.91	41.67	22.4	56.41	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	43.96	-30.04	74	46.64	37.9	18.06	58.64	100	0	P	V
5510MHz		16530	47.71	-20.49	68.2	40.05	41.67	22.4	56.41	100	0	P	V
													V
													V
		11100	43.48	-30.52	74	45.9	37.9	18.13	58.45	100	0	P	H
		16650	47.9	-20.3	68.2	39.67	42.1	22.5	56.37	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	44.36	-29.64	74	46.78	37.9	18.13	58.45	100	0	P	V
5550MHz		16650	48.18	-20.02	68.2	39.95	42.1	22.5	56.37	100	0	P	V
													V
													V
		11340	44.03	-29.97	74	45.53	38.03	18.35	57.88	100	0	P	H
		17010	49.67	-18.53	68.2	40.93	42.17	22.81	56.24	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	44.34	-29.66	74	45.84	38.03	18.35	57.88	100	0	P	V
5670MHz		17010	49	-19.2	68.2	40.26	42.17	22.81	56.24	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)
		5455.6	56.88	-17.12	74	45.63	34.7	11.87	35.32	206	226	P	H
		5463.76	58.32	-9.88	68.2	46.95	34.8	11.88	35.31	206	226	P	H
		5458.72	50.48	-3.52	54	39.21	34.7	11.88	35.31	206	226	A	H
	*	5530	104.85	-	-	93.26	34.93	11.96	35.3	206	226	P	H
802.11ac	*	5530	98.56	-	-	86.97	34.93	11.96	35.3	206	226	A	H
VHT80		5738.54	49.08	-19.12	68.2	37.13	35	12.27	35.32	206	226	P	H
CH 106		5456.56	49.89	-24.11	74	38.62	34.7	11.88	35.31	195	299	P	V
5530MHz		5465.2	50.59	-17.61	68.2	39.22	34.8	11.88	35.31	195	299	P	V
		5458.48	43.47	-10.53	54	32.2	34.7	11.88	35.31	195	299	A	V
	*	5530	98.75	-	-	87.16	34.93	11.96	35.3	195	299	P	V
	*	5530	92.19	-	-	80.6	34.93	11.96	35.3	195	299	A	V
		5738.855	48.48	-19.72	68.2	36.53	35	12.27	35.32	195	299	P	V
		5454.65	51.05	-22.95	74	39.8	34.7	11.87	35.32	201	224	P	H
		5467.25	53.99	-14.21	68.2	42.61	34.8	11.89	35.31	201	224	P	H
		5459.2	46.27	-7.73	54	35	34.7	11.88	35.31	201	224	A	H
	*	5610	106.82	-	-	95.07	35	12.06	35.31	201	224	P	H
802.11ac	*	5610	100.45	-	-	88.7	35	12.06	35.31	201	224	A	H
VHT80		5732.275	57.57	-10.63	68.2	45.63	35	12.26	35.32	201	224	P	H
CH 122		5458.15	49.15	-24.85	74	37.88	34.7	11.88	35.31	201	300	P	V
5610MHz		5465.15	50.8	-17.4	68.2	39.43	34.8	11.88	35.31	201	300	P	V
		5459.9	42.21	-11.79	54	30.94	34.7	11.88	35.31	201	300	A	V
	*	5610	100.21	-	-	88.46	35	12.06	35.31	201	300	P	V
	*	5610	94.59	-	-	82.84	35	12.06	35.31	201	300	A	V
		5728.25	53.67	-14.53	68.2	41.74	35	12.25	35.32	201	300	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac 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	44.06	-29.94	74	46.61	37.9	18.1	58.55	100	0	P	H
		16590	48.14	-20.06	68.2	40.31	41.77	22.45	56.39	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	44.06	-29.94	74	46.61	37.9	18.1	58.55	100	0	P	V
5530MHz		16590	47.26	-20.94	68.2	39.43	41.77	22.45	56.39	100	0	P	V
													V
													V
		11220	44.42	-29.58	74	46.42	37.92	18.25	58.17	100	0	P	H
		16830	48.55	-19.65	68.2	39.89	42.3	22.66	56.3	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	43.85	-30.15	74	45.85	37.92	18.25	58.17	100	0	P	V
5610MHz		16830	48.75	-19.45	68.2	40.09	42.3	22.66	56.3	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		5437.75	47.94	-26.06	74	36.71	34.7	11.85	35.32	183	144	P	H
		5468.56	48.06	-20.14	68.2	36.68	34.8	11.89	35.31	183	144	P	H
		5459.98	38.86	-15.14	54	27.59	34.7	11.88	35.31	183	144	A	H
	*	5720	111.49	-	-	99.57	35	12.24	35.32	183	144	P	H
	*	5720	103.51	-	-	91.59	35	12.24	35.32	183	144	A	H
		5873.25	50.55	-17.65	68.2	38.35	35.13	12.41	35.34	183	144	P	H
		5397.19	48.57	-25.43	74	37.39	34.7	11.81	35.33	191	291	P	V
		5463.1	47.36	-20.84	68.2	35.99	34.8	11.88	35.31	191	291	P	V
		5459.59	38.64	-15.36	54	27.37	34.7	11.88	35.31	191	291	A	V
	*	5720	109.41	-	-	97.49	35	12.24	35.32	191	291	P	V
	*	5720	101.64	-	-	89.72	35	12.24	35.32	191	291	A	V
		5852.25	49.79	-18.41	68.2	37.73	35	12.4	35.34	191	291	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	45.69	-28.31	74	46.76	38.13	18.44	57.64	100	0	P	H
		17160	52.61	-15.59	68.2	44.26	41.73	22.91	56.29	100	0	P	H
													H
													H
		11440	45.47	-28.53	74	46.54	38.13	18.44	57.64	100	0	P	V
		17160	53.19	-15.01	68.2	44.84	41.73	22.91	56.29	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 802.11ac 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		5412.79	48.03	-25.97	74	36.84	34.7	11.82	35.33	270	204	P	H
		5467	47.25	-20.95	68.2	35.87	34.8	11.89	35.31	270	204	P	H
		5459.2	38.8	-15.2	54	27.53	34.7	11.88	35.31	270	204	A	H
	*	5720	111.38	-	-	99.46	35	12.24	35.32	270	204	P	H
	*	5720	103.27	-	-	91.35	35	12.24	35.32	270	204	A	H
		5945.5	49.84	-18.36	68.2	37.54	35.2	12.44	35.34	270	204	P	H
		5361.31	47.97	-26.03	74	36.98	34.57	11.77	35.35	180	287	P	V
		5469.73	49.55	-18.65	68.2	38.17	34.8	11.89	35.31	180	287	P	V
		5459.98	38.67	-15.33	54	27.4	34.7	11.88	35.31	180	287	A	V
	*	5720	108.75	-	-	96.83	35	12.24	35.32	180	287	P	V
	*	5720	100.72	-	-	88.8	35	12.24	35.32	180	287	A	V
		5941.5	50.9	-17.3	68.2	38.6	35.2	12.44	35.34	180	287	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	44.53	-29.47	74	45.6	38.13	18.44	57.64	100	0	P	H
		17160	52.3	-15.9	68.2	43.95	41.73	22.91	56.29	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	44.84	-29.16	74	45.91	38.13	18.44	57.64	100	0	P	V
5720MHz		17160	50.53	-17.67	68.2	42.18	41.73	22.91	56.29	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 802.11ac 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		5451.79	49.43	-24.57	74	38.18	34.7	11.87	35.32	196	224	P	H
		5467	48.24	-19.96	68.2	36.86	34.8	11.89	35.31	196	224	P	H
		5452.57	40.92	-13.08	54	29.67	34.7	11.87	35.32	196	224	A	H
	*	5710	108.93	-	-	97.03	35	12.22	35.32	196	224	P	H
	*	5710	101.95	-	-	90.05	35	12.22	35.32	196	224	A	H
		5890.5	50.54	-17.66	68.2	38.26	35.2	12.42	35.34	196	224	P	H
		5389.78	49.56	-24.44	74	38.47	34.63	11.8	35.34	290	310	P	V
		5461.54	47.82	-20.38	68.2	36.55	34.7	11.88	35.31	290	310	P	V
		5457.25	40.56	-13.44	54	29.29	34.7	11.88	35.31	290	310	A	V
	*	5710	104.59	-	-	92.69	35	12.22	35.32	290	310	P	V
	*	5710	97.51	-	-	85.61	35	12.22	35.32	290	310	A	V
		5869.5	50.07	-18.13	68.2	37.94	35.07	12.4	35.34	290	310	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	44.3	-29.7	74	45.45	38.12	18.42	57.69	100	0	P	H
		17130	49.94	-18.26	68.2	41.46	41.87	22.89	56.28	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	44.83	-29.17	74	45.98	38.12	18.42	57.69	100	0	P	V
5710MHz		17130	49.72	-18.48	68.2	41.24	41.87	22.89	56.28	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		5454.91	53.99	-20.01	74	42.74	34.7	11.87	35.32	196	208	P	H
		5464.27	55.43	-12.77	68.2	44.06	34.8	11.88	35.31	196	208	P	H
		5459.2	47.22	-6.78	54	35.95	34.7	11.88	35.31	196	208	A	H
	*	5690	106.81	-	-	94.94	35	12.19	35.32	196	208	P	H
	*	5690	100.41	-	-	88.54	35	12.19	35.32	196	208	A	H
		5862.7	66.04	-2.16	68.2	53.91	35.07	12.4	35.34	196	208	P	H
		5433.85	49.37	-24.63	74	38.14	34.7	11.85	35.32	202	299	P	V
		5470	50.24	-17.96	68.2	38.86	34.8	11.89	35.31	202	299	P	V
		5457.64	43.47	-10.53	54	32.2	34.7	11.88	35.31	202	299	A	V
	*	5690	102.56	-	-	90.69	35	12.19	35.32	202	299	P	V
	*	5690	95.47	-	-	83.6	35	12.19	35.32	202	299	A	V
		5851.3	65.54	-2.66	68.2	53.48	35	12.4	35.34	202	299	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	45.43	-28.57	74	46.76	38.08	18.38	57.79	100	0	P	H
		17070	49.4	-18.8	68.2	40.75	42.07	22.84	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	44.65	-29.35	74	45.98	38.08	18.38	57.79	100	0	P	V
5690MHz		17070	50.73	-17.47	68.2	42.08	42.07	22.84	56.26	100	0	P	V
													V
													V

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

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

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)
		84	28.04	-11.96	40	42.46	13.84	1.72	29.98	-	-	P	H
		97.77	35.98	-7.52	43.5	48.47	15.65	1.83	29.97	-	-	P	H
		165.54	36.18	-7.32	43.5	47.83	15.92	2.37	29.94	100	0	P	H
		748	30.92	-15.08	46	27.86	27.78	4.85	29.57	-	-	P	H
		869.8	32.64	-13.36	46	27.55	28.9	5.32	29.13	-	-	P	H
		957.3	33.71	-12.29	46	26.25	30.47	5.65	28.66	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		30	33.17	-6.83	40	37.89	24.32	0.97	30.01	-	-	P	V
LF		78.87	33.67	-6.33	40	48.83	13.15	1.67	29.98	100	0	P	V
		92.1	33.16	-10.34	43.5	46.36	14.98	1.79	29.97	-	-	P	V
		461	31.81	-14.19	46	34.6	23.26	3.82	29.87	-	-	P	V
		899.2	33.62	-12.38	46	28.34	28.75	5.52	28.99	-	-	P	V
		957.3	35.13	-10.87	46	27.67	30.47	5.65	28.66	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

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		5149.24	60.08	-13.92	74	49.54	34.4	11.56	35.42	100	160	P	H
		5150	52.88	-1.12	54	42.34	34.4	11.56	35.42	100	160	A	H
	*	5180	113.43	-	-	102.79	34.47	11.58	35.41	100	160	P	H
	*	5180	106.04	-	-	95.4	34.47	11.58	35.41	100	160	A	H
													H
													H
		5149.76	57.55	-16.45	74	47.01	34.4	11.56	35.42	400	232	P	V
		5150	47.42	-6.58	54	36.88	34.4	11.56	35.42	400	232	A	V
	*	5180	108.38	-	-	97.74	34.47	11.58	35.41	400	232	P	V
	*	5180	100.84	-	-	90.2	34.47	11.58	35.41	400	232	A	V
													V
													V
802.11a CH 44 5220MHz		5145.86	53.69	-20.31	74	43.16	34.4	11.55	35.42	100	158	P	H
		5149.76	44.54	-9.46	54	34	34.4	11.56	35.42	100	158	A	H
	*	5220	115.53	-	-	104.81	34.5	11.62	35.4	100	158	P	H
	*	5220	107.83	-	-	97.11	34.5	11.62	35.4	100	158	A	H
		5355.84	49.59	-24.41	74	38.68	34.5	11.76	35.35	100	158	P	H
		5372.64	40.01	-13.99	54	29	34.57	11.78	35.34	100	158	A	H
		5140.66	48.97	-25.03	74	38.44	34.4	11.55	35.42	400	287	P	V
		5145.86	40	-14	54	29.47	34.4	11.55	35.42	400	287	A	V
	*	5220	110.38	-	-	99.66	34.5	11.62	35.4	400	287	P	V
	*	5220	102.93	-	-	92.21	34.5	11.62	35.4	400	287	A	V
		5352.2	48.44	-25.56	74	37.53	34.5	11.76	35.35	400	287	P	V
		5460	39.16	-14.84	54	27.89	34.7	11.88	35.31	400	287	A	V

802.11a CH 48 5240MHz		5062.92	50.86	-23.14	74	40.66	34.17	11.48	35.45	100	160	P	H
		5150	40.5	-13.5	54	29.96	34.4	11.56	35.42	100	160	A	H
	*	5240	115.05	-	-	104.3	34.5	11.64	35.39	100	160	P	H
	*	5240	107.55	-	-	96.8	34.5	11.64	35.39	100	160	A	H
		5380.48	49.61	-24.39	74	38.53	34.63	11.79	35.34	100	160	P	H
		5350.24	40.43	-13.57	54	29.52	34.5	11.76	35.35	100	160	A	H
		5037.44	48.72	-25.28	74	38.62	34.1	11.46	35.46	400	288	P	V
		5094.9	39.49	-14.51	54	29.12	34.3	11.51	35.44	400	288	A	V
	*	5240	110.01	-	-	99.26	34.5	11.64	35.39	400	288	P	V
	*	5240	102.45	-	-	91.7	34.5	11.64	35.39	400	288	A	V
		5389.72	48.79	-25.21	74	37.7	34.63	11.8	35.34	400	288	P	V
		5355.84	39.3	-14.7	54	28.39	34.5	11.76	35.35	400	288	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	42.88	-25.32	68.2	46.86	37.47	17.58	59.03	100	0	P	H
		15540	44.91	-29.09	74	39.93	40.1	21.65	56.77	100	0	P	H
													H
													H
		10360	43.75	-24.45	68.2	47.73	37.47	17.58	59.03	100	0	P	V
		15540	44.99	-29.01	74	40.01	40.1	21.65	56.77	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	45.08	-23.12	68.2	48.87	37.53	17.65	58.97	100	0	P	H
		15660	54.23	-19.77	74	48.8	40.45	21.73	56.75	100	155	P	H
		15660	46.64	-7.36	54	41.21	40.45	21.73	56.75	100	155	A	H
													H
		10440	43.57	-24.63	68.2	47.36	37.53	17.65	58.97	100	0	P	V
		15660	54.64	-19.36	74	49.21	40.45	21.73	56.75	116	74	P	V
		15660	47.3	-6.7	54	41.87	40.45	21.73	56.75	116	74	A	V
													V
802.11a CH 48 5240MHz		10480	44.32	-23.88	68.2	48	37.58	17.68	58.94	100	0	P	H
		15720	54.45	-19.55	74	48.85	40.58	21.76	56.74	100	154	P	H
		15720	46.8	-7.2	54	41.2	40.58	21.76	56.74	100	154	A	H
													H
		10480	44.63	-23.57	68.2	48.31	37.58	17.68	58.94	100	0	P	V
		15720	55.49	-18.51	74	49.89	40.58	21.76	56.74	102	74	P	V
		15720	48.18	-5.82	54	42.58	40.58	21.76	56.74	102	74	A	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)
		5149.76	58.61	-15.39	74	48.07	34.4	11.56	35.42	100	158	P	H
		5150	49.9	-4.1	54	39.36	34.4	11.56	35.42	100	158	A	H
	*	5180	113.34	-	-	102.7	34.47	11.58	35.41	100	158	P	H
	*	5180	105.54	-	-	94.9	34.47	11.58	35.41	100	158	A	H
802.11ac													H
VHT20													H
CH 36		5149.76	50.76	-23.24	74	40.22	34.4	11.56	35.42	400	232	P	V
5180MHz		5150	44.65	-9.35	54	34.11	34.4	11.56	35.42	400	232	A	V
	*	5180	107.27	-	-	96.63	34.47	11.58	35.41	400	232	P	V
	*	5180	99.84	-	-	89.2	34.47	11.58	35.41	400	232	A	V
													V
													V
		5149.24	53.09	-20.91	74	42.55	34.4	11.56	35.42	100	205	P	H
		5149.76	44.58	-9.42	54	34.04	34.4	11.56	35.42	100	205	A	H
	*	5220	114.49	-	-	103.77	34.5	11.62	35.4	100	205	P	H
	*	5220	106.33	-	-	95.61	34.5	11.62	35.4	100	205	A	H
802.11ac		5365.08	49.51	-24.49	74	38.52	34.57	11.77	35.35	100	205	P	H
VHT20		5350.24	39.94	-14.06	54	29.03	34.5	11.76	35.35	100	205	A	H
CH 44		5150	49.87	-24.13	74	39.33	34.4	11.56	35.42	359	81	P	V
5220MHz		5149.76	40.85	-13.15	54	30.31	34.4	11.56	35.42	359	81	A	V
	*	5220	111.22	-	-	100.5	34.5	11.62	35.4	359	81	P	V
	*	5220	103	-	-	92.28	34.5	11.62	35.4	359	81	A	V
		5417.44	47.87	-26.13	74	36.67	34.7	11.83	35.33	359	81	P	V
		5460	39.01	-14.99	54	27.74	34.7	11.88	35.31	359	81	A	V

		5146.38	52.37	-21.63	74	41.84	34.4	11.55	35.42	100	205	P	H
		5149.76	43.38	-10.62	54	32.84	34.4	11.56	35.42	100	205	A	H
	*	5240	114.56	-	-	103.81	34.5	11.64	35.39	100	205	P	H
	*	5240	106.4	-	-	95.65	34.5	11.64	35.39	100	205	A	H
802.11ac		5350.24	50.99	-23.01	74	40.08	34.5	11.76	35.35	100	205	P	H
VHT20		5350.24	41.38	-12.62	54	30.47	34.5	11.76	35.35	100	205	A	H
CH 48		5134.68	50.76	-23.24	74	40.27	34.37	11.54	35.42	377	73	P	V
5240MHz		5134.68	40.49	-13.51	54	30	34.37	11.54	35.42	377	73	A	V
	*	5240	112.42	-	-	101.67	34.5	11.64	35.39	377	73	P	V
	*	5240	103.8	-	-	93.05	34.5	11.64	35.39	377	73	A	V
		5358.08	48.95	-25.05	74	38.03	34.5	11.77	35.35	377	73	P	V
		5350	39.36	-14.64	54	28.45	34.5	11.76	35.35	377	73	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	42.98	-25.22	68.2	46.96	37.47	17.58	59.03	100	0	P	H
		15540	45.69	-28.31	74	40.71	40.1	21.65	56.77	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	43.5	-24.7	68.2	47.48	37.47	17.58	59.03	100	0	P	V
5180MHz		15540	44.95	-29.05	74	39.97	40.1	21.65	56.77	100	0	P	V
													V
													V
		10440	44.68	-23.52	68.2	48.47	37.53	17.65	58.97	100	0	P	H
		15660	45.32	-28.68	74	39.89	40.45	21.73	56.75	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	44.14	-24.06	68.2	47.93	37.53	17.65	58.97	100	0	P	V
5220MHz		15660	46.65	-27.35	74	41.22	40.45	21.73	56.75	100	271	P	V
													V
													V
		10480	44.11	-24.09	68.2	47.79	37.58	17.68	58.94	100	0	P	H
		15720	46.8	-27.2	74	41.2	40.58	21.76	56.74	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	45.02	-23.18	68.2	48.7	37.58	17.68	58.94	100	0	P	V
5240MHz		15720	48.1	-25.9	74	42.5	40.58	21.76	56.74	108	263	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.5	58.42	-15.58	74	47.88	34.4	11.56	35.42	109	208	P	H
		5150	51.52	-2.48	54	40.98	34.4	11.56	35.42	109	208	A	H
	*	5190	107.66	-	-	97.01	34.47	11.59	35.41	109	208	P	H
	*	5190	100.14	-	-	89.49	34.47	11.59	35.41	109	208	A	H
802.11ac		5366.48	47.86	-26.14	74	36.87	34.57	11.77	35.35	109	208	P	H
VHT40		5409.32	40.97	-13.03	54	29.78	34.7	11.82	35.33	109	208	A	H
CH 38		5148.98	50.57	-23.43	74	40.03	34.4	11.56	35.42	400	233	P	V
5190MHz		5148.2	44.91	-9.09	54	34.37	34.4	11.56	35.42	400	233	A	V
	*	5190	101.94	-	-	91.29	34.47	11.59	35.41	400	233	P	V
	*	5190	94.93	-	-	84.28	34.47	11.59	35.41	400	233	A	V
		5451.04	48.36	-25.64	74	37.11	34.7	11.87	35.32	400	233	P	V
		5457.48	40.31	-13.69	54	29.04	34.7	11.88	35.31	400	233	A	V
		5149.76	53.93	-20.07	74	43.39	34.4	11.56	35.42	110	206	P	H
		5149.76	46.83	-7.17	54	36.29	34.4	11.56	35.42	110	206	A	H
	*	5230	109.57	-	-	98.83	34.5	11.63	35.39	110	206	P	H
	*	5230	102.5	-	-	91.76	34.5	11.63	35.39	110	206	A	H
802.11ac		5356.96	48.38	-25.62	74	37.47	34.5	11.76	35.35	110	206	P	H
VHT40		5350.24	42.31	-11.69	54	31.4	34.5	11.76	35.35	110	206	A	H
CH 46		5129.48	49.01	-24.99	74	38.53	34.37	11.54	35.43	400	280	P	V
5230MHz		5125.06	40.96	-13.04	54	30.48	34.37	11.54	35.43	400	280	A	V
	*	5230	104.09	-	-	93.35	34.5	11.63	35.39	400	280	P	V
	*	5230	96.87	-	-	86.13	34.5	11.63	35.39	400	280	A	V
		5376.56	47.46	-26.54	74	36.44	34.57	11.79	35.34	400	280	P	V
		5354.72	40.2	-13.8	54	29.29	34.5	11.76	35.35	400	280	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac 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	44.36	-23.84	68.2	48.3	37.48	17.6	59.02	100	0	P	H
		15570	46.49	-27.51	74	41.38	40.2	21.68	56.77	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	43.58	-24.62	68.2	47.52	37.48	17.6	59.02	100	0	P	V
5190MHz		15570	45.78	-28.22	74	40.67	40.2	21.68	56.77	100	0	P	V
													V
													V
		10460	44.13	-24.07	68.2	47.88	37.55	17.66	58.96	100	0	P	H
		15690	46.99	-27.01	74	41.44	40.55	21.75	56.75	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	44.43	-23.77	68.2	48.18	37.55	17.66	58.96	100	0	P	V
5230MHz		15690	46.66	-27.34	74	41.11	40.55	21.75	56.75	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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		5143.26	58.02	-15.98	74	47.49	34.4	11.55	35.42	107	209	P	H
		5148.2	52.13	-1.87	54	41.59	34.4	11.56	35.42	107	209	A	H
	*	5210	104.37	-	-	93.66	34.5	11.61	35.4	107	209	P	H
	*	5210	96.32	-	-	85.61	34.5	11.61	35.4	107	209	A	H
		5351.08	49.87	-24.13	74	38.96	34.5	11.76	35.35	107	209	P	H
		5351.08	42.54	-11.46	54	31.63	34.5	11.76	35.35	107	209	A	H
		5129.48	49.63	-24.37	74	39.15	34.37	11.54	35.43	400	297	P	V
		5128.18	42.54	-11.46	54	32.06	34.37	11.54	35.43	400	297	A	V
	*	5210	98.69	-	-	87.98	34.5	11.61	35.4	400	297	P	V
	*	5210	91.12	-	-	80.41	34.5	11.61	35.4	400	297	A	V
		5423.32	47.82	-26.18	74	36.61	34.7	11.84	35.33	400	297	P	V
		5360.6	39.92	-14.08	54	28.93	34.57	11.77	35.35	400	297	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	44.61	-23.59	68.2	48.45	37.52	17.63	58.99	100	0	P	H
		15630	45.72	-28.28	74	40.37	40.4	21.71	56.76	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	44.89	-23.31	68.2	48.73	37.52	17.63	58.99	100	0	P	V
5210MHz		15630	46.85	-27.15	74	41.5	40.4	21.71	56.76	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		5145.95	48.78	-25.22	74	38.25	34.4	11.55	35.42	100	158	P	H
		5150	40.46	-13.54	54	29.92	34.4	11.56	35.42	100	158	A	H
	*	5260	115.24	-	-	104.39	34.57	11.66	35.38	100	158	P	H
	*	5260	108.05	-	-	97.2	34.57	11.66	35.38	100	158	A	H
		5420.4	50.34	-23.66	74	39.14	34.7	11.83	35.33	100	158	P	H
		5350.08	42.25	-11.75	54	31.34	34.5	11.76	35.35	100	158	A	H
		5070	49.12	-24.88	74	38.91	34.17	11.49	35.45	396	287	P	V
		5141.75	39.63	-14.37	54	29.1	34.4	11.55	35.42	396	287	A	V
	*	5260	110.05	-	-	99.2	34.57	11.66	35.38	396	287	P	V
	*	5260	102.95	-	-	92.1	34.57	11.66	35.38	396	287	A	V
		5355.6	48.47	-25.53	74	37.56	34.5	11.76	35.35	396	287	P	V
		5351.04	39.95	-14.05	54	29.04	34.5	11.76	35.35	396	287	A	V
802.11a CH 60 5300MHz		5084.7	48.97	-25.03	74	38.68	34.23	11.5	35.44	102	213	P	H
		5145.6	39.62	-14.38	54	29.09	34.4	11.55	35.42	102	213	A	H
	*	5300	115.2	-	-	104.17	34.7	11.7	35.37	102	213	P	H
	*	5300	107.64	-	-	96.61	34.7	11.7	35.37	102	213	A	H
		5355.36	53.19	-20.81	74	42.28	34.5	11.76	35.35	102	213	P	H
		5350.08	46.23	-7.77	54	35.32	34.5	11.76	35.35	102	213	A	H
		5126.7	49.96	-24.04	74	39.48	34.37	11.54	35.43	400	232	P	V
		5139.3	39.41	-14.59	54	28.91	34.37	11.55	35.42	400	232	A	V
	*	5300	109.44	-	-	98.41	34.7	11.7	35.37	400	232	P	V
	*	5300	102.28	-	-	91.25	34.7	11.7	35.37	400	232	A	V
		5353.44	48.55	-25.45	74	37.64	34.5	11.76	35.35	400	232	P	V
		5350.08	41.56	-12.44	54	30.65	34.5	11.76	35.35	400	232	A	V

802.11a CH 64 5320MHz	*	5320	113.7	-	-	102.7	34.63	11.73	35.36	100	212	P	H
	*	5320	106.5	-	-	95.5	34.63	11.73	35.36	100	212	A	H
		5351.04	59.11	-14.89	74	48.2	34.5	11.76	35.35	100	212	P	H
		5350.08	51.1	-2.9	54	40.19	34.5	11.76	35.35	100	212	A	H
													H
													H
	*	5320	109.4	-	-	98.4	34.63	11.73	35.36	400	231	P	V
	*	5320	101.7	-	-	90.7	34.63	11.73	35.36	400	231	A	V
		5351.36	52.28	-21.72	74	41.37	34.5	11.76	35.35	400	231	P	V
		5350.08	45.5	-8.5	54	34.59	34.5	11.76	35.35	400	231	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	43.62	-24.58	68.2	47.24	37.6	17.7	58.92	100	0	P	H
		15780	55.5	-18.5	74	49.91	40.53	21.8	56.74	101	156	P	H
		15780	48.02	-5.98	54	42.43	40.53	21.8	56.74	101	156	A	H
													H
		10520	43.96	-24.24	68.2	47.58	37.6	17.7	58.92	100	0	P	V
		15780	58.68	-15.32	74	53.09	40.53	21.8	56.74	104	72	P	V
		15780	49.1	-4.9	54	43.51	40.53	21.8	56.74	104	72	A	V
													V
802.11a CH 60 5300MHz		10600	44.42	-29.58	74	47.94	37.6	17.76	58.88	100	0	P	H
		15900	55.14	-18.86	74	49.17	40.8	21.89	56.72	100	159	P	H
		15900	47.27	-6.73	54	41.3	40.8	21.89	56.72	100	159	A	H
													H
		10600	43.63	-30.37	74	47.15	37.6	17.76	58.88	100	0	P	V
		15900	56.08	-17.92	74	50.11	40.8	21.89	56.72	100	70	P	V
		15900	48.47	-5.53	54	42.5	40.8	21.89	56.72	100	70	A	V
													V
802.11a CH 64 5320MHz		10640	44.11	-29.89	74	47.55	37.63	17.79	58.86	100	0	P	H
		15960	45.45	-28.55	74	39.43	40.8	21.93	56.71	100	0	P	H
													H
													H
		10640	43.15	-30.85	74	46.59	37.63	17.79	58.86	100	0	P	V
		15960	45.92	-28.08	74	39.9	40.8	21.93	56.71	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)
		5114.45	48.57	-25.43	74	38.14	34.33	11.53	35.43	107	205	P	H
		5149.8	40.23	-13.77	54	29.69	34.4	11.56	35.42	107	205	A	H
	*	5260	114.49	-	-	103.64	34.57	11.66	35.38	107	205	P	H
	*	5260	106.78	-	-	95.93	34.57	11.66	35.38	107	205	A	H
802.11ac		5352.48	49.31	-24.69	74	38.4	34.5	11.76	35.35	107	205	P	H
VHT20		5350.08	42.28	-11.72	54	31.37	34.5	11.76	35.35	107	205	A	H
CH 52		5068.25	49.14	-24.86	74	38.93	34.17	11.49	35.45	396	73	P	V
5260MHz		5149.8	39.82	-14.18	54	29.28	34.4	11.56	35.42	396	73	A	V
	*	5260	112.27	-	-	101.42	34.57	11.66	35.38	396	73	P	V
	*	5260	104.03	-	-	93.18	34.57	11.66	35.38	396	73	A	V
		5374.08	47.92	-26.08	74	36.91	34.57	11.78	35.34	396	73	P	V
		5394	39.11	-14.89	54	28.02	34.63	11.8	35.34	396	73	A	V
		5137.9	50.15	-23.85	74	39.65	34.37	11.55	35.42	106	207	P	H
		5147	39.76	-14.24	54	29.23	34.4	11.55	35.42	106	207	A	H
	*	5300	114.34	-	-	103.31	34.7	11.7	35.37	106	207	P	H
	*	5300	106.11	-	-	95.08	34.7	11.7	35.37	106	207	A	H
802.11ac		5350.32	55.79	-18.21	74	44.88	34.5	11.76	35.35	106	207	P	H
VHT20		5350.08	48	-6	54	37.09	34.5	11.76	35.35	106	207	A	H
CH 60		5095.9	48.67	-25.33	74	38.3	34.3	11.51	35.44	367	67	P	V
5300MHz		5147	39.63	-14.37	54	29.1	34.4	11.55	35.42	367	67	A	V
	*	5300	111.36	-	-	100.33	34.7	11.7	35.37	367	67	P	V
	*	5300	103.26	-	-	92.23	34.7	11.7	35.37	367	67	A	V
		5355.12	48.98	-25.02	74	38.07	34.5	11.76	35.35	367	67	P	V
		5350.08	41.92	-12.08	54	31.01	34.5	11.76	35.35	367	67	A	V

	*	5320	112.99	-	-	101.99	34.63	11.73	35.36	105	207	P	H
	*	5320	104.95	-	-	93.95	34.63	11.73	35.36	105	207	A	H
		5350.72	57.89	-16.11	74	46.98	34.5	11.76	35.35	105	207	P	H
		5350.08	51.2	-2.8	54	40.29	34.5	11.76	35.35	105	207	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	111.09	-	-	100.09	34.63	11.73	35.36	388	74	P	V
5320MHz	*	5320	102.99	-	-	91.99	34.63	11.73	35.36	388	74	A	V
		5351.04	55.58	-18.42	74	44.67	34.5	11.76	35.35	388	74	P	V
		5350.08	49.16	-4.84	54	38.25	34.5	11.76	35.35	388	74	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	44.28	-23.92	68.2	47.9	37.6	17.7	58.92	100	0	P	H
		15780	47.5	-26.5	74	41.91	40.53	21.8	56.74	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	43.84	-24.36	68.2	47.46	37.6	17.7	58.92	100	0	P	V
5260MHz		15780	48.09	-25.91	74	42.5	40.53	21.8	56.74	112	264	P	V
													V
													V
		10600	43.9	-30.1	74	47.42	37.6	17.76	58.88	100	0	P	H
		15900	47.34	-26.66	74	41.37	40.8	21.89	56.72	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	44.41	-29.59	74	47.93	37.6	17.76	58.88	100	0	P	V
5300MHz		15900	47.51	-26.49	74	41.54	40.8	21.89	56.72	112	264	P	V
													V
													V
		10640	44.98	-29.02	74	48.42	37.63	17.79	58.86	100	0	P	H
		15960	45.44	-28.56	74	39.42	40.8	21.93	56.71	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	44.65	-29.35	74	48.09	37.63	17.79	58.86	100	0	P	V
5320MHz		15960	45.6	-28.4	74	39.58	40.8	21.93	56.71	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		5061.95	49.4	-24.6	74	39.2	34.17	11.48	35.45	107	207	P	H
		5149.1	41.41	-12.59	54	30.87	34.4	11.56	35.42	107	207	A	H
	*	5270	110.71	-	-	99.85	34.57	11.67	35.38	107	207	P	H
	*	5270	102.98	-	-	92.12	34.57	11.67	35.38	107	207	A	H
		5355.6	54.91	-19.09	74	44	34.5	11.76	35.35	107	207	P	H
		5350.56	48.29	-5.71	54	37.38	34.5	11.76	35.35	107	207	A	H
		5041.65	47.6	-26.4	74	37.49	34.1	11.47	35.46	391	284	P	V
		5146.65	40.65	-13.35	54	30.12	34.4	11.55	35.42	391	284	A	V
	*	5270	103.91	-	-	93.05	34.57	11.67	35.38	391	284	P	V
	*	5270	97.66	-	-	86.8	34.57	11.67	35.38	391	284	A	V
		5381.28	47.4	-26.6	74	36.32	34.63	11.79	35.34	391	284	P	V
		5350.32	41.57	-12.43	54	30.66	34.5	11.76	35.35	391	284	A	V
802.11ac VHT40 CH 62 5310MHz		5058.1	48.72	-25.28	74	38.52	34.17	11.48	35.45	106	208	P	H
		5125.3	40.86	-13.14	54	30.38	34.37	11.54	35.43	106	208	A	H
	*	5310	107.28	-	-	96.29	34.63	11.72	35.36	106	208	P	H
	*	5310	100.18	-	-	89.19	34.63	11.72	35.36	106	208	A	H
		5352.96	57.87	-16.13	74	46.96	34.5	11.76	35.35	106	208	P	H
		5350.08	52.11	-1.89	54	41.2	34.5	11.76	35.35	106	208	A	H
		5128.45	47.65	-26.35	74	37.17	34.37	11.54	35.43	400	236	P	V
		5145.25	40.7	-13.3	54	30.17	34.4	11.55	35.42	400	236	A	V
	*	5310	103	-	-	92.01	34.63	11.72	35.36	400	236	P	V
	*	5310	95.79	-	-	84.8	34.63	11.72	35.36	400	236	A	V
		5350.8	50.27	-23.73	74	39.36	34.5	11.76	35.35	400	236	P	V
		5351.52	45.15	-8.85	54	34.24	34.5	11.76	35.35	400	236	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	43.65	-24.55	68.2	47.25	37.6	17.71	58.91	100	0	P	H
		15810	46.55	-27.45	74	40.96	40.5	21.82	56.73	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	44.22	-23.98	68.2	47.82	37.6	17.71	58.91	100	0	P	V
5270MHz		15810	47.39	-26.61	74	41.8	40.5	21.82	56.73	116	266	P	V
													V
													V
		10620	44.05	-29.95	74	47.52	37.62	17.78	58.87	100	0	P	H
		15930	46.42	-27.58	74	40.42	40.8	21.91	56.71	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	43.75	-30.25	74	47.22	37.62	17.78	58.87	100	0	P	V
5310MHz		15930	46.38	-27.62	74	40.38	40.8	21.91	56.71	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		5117.25	49.47	-24.53	74	39.04	34.33	11.53	35.43	100	209	P	H
		5101.85	40.68	-13.32	54	30.3	34.3	11.52	35.44	100	209	A	H
	*	5290	102.83	-	-	91.88	34.63	11.69	35.37	100	209	P	H
	*	5290	95.59	-	-	84.64	34.63	11.69	35.37	100	209	A	H
		5352.24	59.62	-14.38	74	48.71	34.5	11.76	35.35	100	209	P	H
		5353.44	52.73	-1.27	54	41.82	34.5	11.76	35.35	100	209	A	H
		5091.7	48.06	-25.94	74	37.69	34.3	11.51	35.44	347	286	P	V
		5131.6	40.31	-13.69	54	29.83	34.37	11.54	35.43	347	286	A	V
	*	5290	97.1	-	-	86.15	34.63	11.69	35.37	347	286	P	V
	*	5290	89.96	-	-	79.01	34.63	11.69	35.37	347	286	A	V
		5352.72	47.65	-26.35	74	36.74	34.5	11.76	35.35	347	286	P	V
		5350.56	41.83	-12.17	54	30.92	34.5	11.76	35.35	347	286	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	43.96	-24.24	68.2	47.5	37.6	17.75	58.89	100	0	P	H
		15870	47.22	-26.78	74	41.33	40.74	21.87	56.72	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	43.93	-24.27	68.2	47.47	37.6	17.75	58.89	100	0	P	V
5290MHz		15870	46.76	-27.24	74	40.87	40.74	21.87	56.72	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		5460.08	55.89	-12.31	68.2	44.62	34.7	11.88	35.31	100	147	P	H
		5466.96	64.39	-3.81	68.2	53.01	34.8	11.89	35.31	100	147	P	H
		5460	48.71	-5.29	54	37.44	34.7	11.88	35.31	100	147	A	H
	*	5500	110.66	-	-	99.03	35	11.93	35.3	100	147	P	H
	*	5500	106.03	-	-	94.4	35	11.93	35.3	100	147	A	H
													H
		5460.08	50.65	-17.55	68.2	39.38	34.7	11.88	35.31	400	288	P	V
		5470	56.66	-11.54	68.2	45.28	34.8	11.89	35.31	400	288	P	V
		5460	42.8	-11.2	54	31.53	34.7	11.88	35.31	400	288	A	V
	*	5500	107.93	-	-	96.3	35	11.93	35.3	400	288	P	V
	*	5500	100.12	-	-	88.49	35	11.93	35.3	400	288	A	V
													V
802.11a CH 116 5580MHz		5442.88	48.77	-25.23	74	37.53	34.7	11.86	35.32	100	149	P	H
		5463.52	49.17	-19.03	68.2	37.8	34.8	11.88	35.31	100	149	P	H
		5459.92	40.52	-13.48	54	29.25	34.7	11.88	35.31	100	149	A	H
	*	5580	114.38	-	-	102.8	34.87	12.02	35.31	100	149	P	H
	*	5580	107.24	-	-	95.66	34.87	12.02	35.31	100	149	A	H
		5740.745	49.21	-18.99	68.2	37.26	35	12.27	35.32	100	149	P	H
		5456.8	48.04	-25.96	74	36.77	34.7	11.88	35.31	400	253	P	V
		5462.8	48.34	-19.86	68.2	36.97	34.8	11.88	35.31	400	253	P	V
		5459.92	39.61	-14.39	54	28.34	34.7	11.88	35.31	400	253	A	V
	*	5580	110.35	-	-	98.77	34.87	12.02	35.31	400	253	P	V
	*	5580	102.78	-	-	91.2	34.87	12.02	35.31	400	253	A	V
		5764.685	48.44	-19.76	68.2	36.46	35	12.31	35.33	400	253	P	V

802.11a CH 140 5700MHz	*	5700	114.24	-	-	102.36	35	12.2	35.32	100	143	P	H
	*	5700	107.49	-	-	95.61	35	12.2	35.32	100	143	A	H
		5728.04	62.97	-5.23	68.2	51.04	35	12.25	35.32	100	143	P	H
													H
													H
													H
	*	5700	109.47	-	-	97.59	35	12.2	35.32	400	236	P	V
	*	5700	101.5	-	-	89.62	35	12.2	35.32	400	236	A	V
		5725.4	57.84	-10.36	68.2	45.91	35	12.25	35.32	400	236	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	44.54	-29.46	74	47.28	37.9	18.05	58.69	100	0	P	H
		16500	55.21	-12.99	68.2	47.65	41.6	22.38	56.42	100	0	P	H
													H
													H
		11000	44.23	-29.77	74	46.97	37.9	18.05	58.69	100	0	P	V
		16500	61.38	-6.82	68.2	53.82	41.6	22.38	56.42	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	44.29	-29.71	74	46.51	37.9	18.19	58.31	100	0	P	H
		16740	54.38	-13.82	68.2	45.77	42.36	22.58	56.33	100	0	P	H
													H
													H
		11160	44.41	-29.59	74	46.63	37.9	18.19	58.31	100	0	P	V
		16740	58	-10.2	68.2	49.39	42.36	22.58	56.33	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	45.44	-28.56	74	46.67	38.1	18.41	57.74	100	0	P	H
		17100	48.94	-19.26	68.2	40.34	42	22.87	56.27	100	0	P	H
													H
													H
		11400	44.73	-29.27	74	45.96	38.1	18.41	57.74	100	0	P	V
		17100	48.35	-19.85	68.2	39.75	42	22.87	56.27	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)
		5459.8	57.49	-16.51	74	46.22	34.7	11.88	35.31	100	152	P	H
		5468.56	65.3	-2.9	68.2	53.92	34.8	11.89	35.31	100	152	P	H
		5460	48.81	-5.19	54	37.54	34.7	11.88	35.31	100	152	A	H
	*	5500	112.79	-	-	101.16	35	11.93	35.3	100	152	P	H
802.11ac	*	5500	105.61	-	-	93.98	35	11.93	35.3	100	152	A	H
VHT20													H
CH 100		5459.76	50.33	-23.67	74	39.06	34.7	11.88	35.31	400	286	P	V
5500MHz		5467.92	54.3	-13.9	68.2	42.92	34.8	11.89	35.31	400	286	P	V
		5459.92	42.65	-11.35	54	31.38	34.7	11.88	35.31	400	286	A	V
	*	5500	108.04	-	-	96.41	35	11.93	35.3	400	286	P	V
	*	5500	100.1	-	-	88.47	35	11.93	35.3	400	286	A	V
													V
		5358.4	48.89	-25.11	74	37.97	34.5	11.77	35.35	100	147	P	H
		5463.28	47.55	-20.65	68.2	36.18	34.8	11.88	35.31	100	147	P	H
		5459.44	40.18	-13.82	54	28.91	34.7	11.88	35.31	100	147	A	H
	*	5580	114.75	-	-	103.17	34.87	12.02	35.31	100	147	P	H
802.11ac	*	5580	106.86	-	-	95.28	34.87	12.02	35.31	100	147	A	H
VHT20		5757.755	49.99	-18.21	68.2	38.02	35	12.3	35.33	100	147	P	H
CH 116		5429.44	48.16	-25.84	74	36.94	34.7	11.84	35.32	400	312	P	V
5580MHz		5464.24	47.66	-20.54	68.2	36.29	34.8	11.88	35.31	400	312	P	V
		5459.44	39.31	-14.69	54	28.04	34.7	11.88	35.31	400	312	A	V
	*	5580	107.66	-	-	96.08	34.87	12.02	35.31	400	312	P	V
	*	5580	99.81	-	-	88.23	34.87	12.02	35.31	400	312	A	V
		5750.195	48.44	-19.76	68.2	36.48	35	12.29	35.33	400	312	P	V

	*	5700	114.58	-	-	102.7	35	12.2	35.32	100	141	P	H
	*	5700	106.61	-	-	94.73	35	12.2	35.32	100	141	A	H
		5725.08	65.48	-2.72	68.2	53.55	35	12.25	35.32	100	141	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	108.62	-	-	96.74	35	12.2	35.32	400	252	P	V
5700MHz	*	5700	101.08	-	-	89.2	35	12.2	35.32	400	252	A	V
		5725	58.93	-9.27	68.2	47	35	12.25	35.32	400	252	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	44.42	-29.58	74	47.16	37.9	18.05	58.69	100	0	P	H
		16500	56.69	-11.51	68.2	49.13	41.6	22.38	56.42	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	45.48	-28.52	74	48.22	37.9	18.05	58.69	100	0	P	V
5500MHz		16500	59.51	-8.69	68.2	51.95	41.6	22.38	56.42	100	0	P	V
													V
													V
		11160	44.46	-29.54	74	46.68	37.9	18.19	58.31	100	0	P	H
		16740	56.12	-12.08	68.2	47.51	42.36	22.58	56.33	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	45.26	-28.74	74	47.48	37.9	18.19	58.31	100	0	P	V
5580MHz		16740	65.07	-3.13	68.2	56.46	42.36	22.58	56.33	115	242	P	V
													V
													V
		11400	45.1	-28.9	74	46.33	38.1	18.41	57.74	100	0	P	H
		17100	49.55	-18.65	68.2	40.95	42	22.87	56.27	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	45.81	-28.19	74	47.04	38.1	18.41	57.74	100	0	P	V
5700MHz		17100	49.56	-18.64	68.2	40.96	42	22.87	56.27	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)
		5457.76	58.04	-15.96	74	46.77	34.7	11.88	35.31	101	211	P	H
		5467.84	63.76	-4.44	68.2	52.38	34.8	11.89	35.31	101	211	P	H
		5459.92	51.14	-2.86	54	39.87	34.7	11.88	35.31	101	211	A	H
	*	5510	107.63	-	-	95.99	35	11.94	35.3	101	211	P	H
802.11ac	*	5510	101.3	-	-	89.66	35	11.94	35.3	101	211	A	H
VHT40		5733.185	49.23	-18.97	68.2	37.29	35	12.26	35.32	101	211	P	H
CH 102		5458.48	48.72	-25.28	74	37.45	34.7	11.88	35.31	396	293	P	V
5510MHz		5465.92	52.66	-15.54	68.2	41.28	34.8	11.89	35.31	396	293	P	V
		5458.24	43.05	-10.95	54	31.78	34.7	11.88	35.31	396	293	A	V
	*	5510	101.54	-	-	89.9	35	11.94	35.3	396	293	P	V
	*	5510	94.82	-	-	83.18	35	11.94	35.3	396	293	A	V
		5741.06	47.55	-20.65	68.2	35.6	35	12.27	35.32	396	293	P	V
		5458.96	50.24	-23.76	74	38.97	34.7	11.88	35.31	116	210	P	H
		5465.92	56.11	-12.09	68.2	44.73	34.8	11.89	35.31	116	210	P	H
		5457.28	45.39	-8.61	54	34.12	34.7	11.88	35.31	116	210	A	H
	*	5550	108.97	-	-	97.5	34.8	11.98	35.31	116	210	P	H
802.11ac	*	5550	102.61	-	-	91.14	34.8	11.98	35.31	116	210	A	H
VHT40		5738.225	49.48	-18.72	68.2	37.53	35	12.27	35.32	116	210	P	H
CH 110		5412.4	48.52	-25.48	74	37.33	34.7	11.82	35.33	397	285	P	V
5550MHz		5468.08	48.22	-19.98	68.2	36.84	34.8	11.89	35.31	397	285	P	V
		5452.48	41.54	-12.46	54	30.29	34.7	11.87	35.32	397	285	A	V
	*	5550	102.9	-	-	91.43	34.8	11.98	35.31	397	285	P	V
	*	5550	96.71	-	-	85.24	34.8	11.98	35.31	397	285	A	V
		5764.055	48.43	-19.77	68.2	36.45	35	12.31	35.33	397	285	P	V

		5447.3	47.52	-26.48	74	36.28	34.7	11.86	35.32	100	211	P	H
		5464.1	50.37	-17.83	68.2	39	34.8	11.88	35.31	100	211	P	H
		5459.9	40.58	-13.42	54	29.31	34.7	11.88	35.31	100	211	A	H
	*	5670	109.47	-	-	97.78	34.85	12.16	35.32	100	211	P	H
802.11ac	*	5670	103.11	-	-	91.42	34.85	12.16	35.32	100	211	A	H
VHT40		5727.725	64.32	-3.88	68.2	52.39	35	12.25	35.32	100	211	P	H
CH 134		5396.55	48.42	-25.58	74	37.25	34.7	11.81	35.34	378	284	P	V
5670MHz		5464.1	47.04	-21.16	68.2	35.67	34.8	11.88	35.31	378	284	P	V
		5438.9	39.78	-14.22	54	28.55	34.7	11.85	35.32	378	284	A	V
	*	5670	104.22	-	-	92.53	34.85	12.16	35.32	378	284	P	V
	*	5670	97.89	-	-	86.2	34.85	12.16	35.32	378	284	A	V
		5727.725	53.96	-14.24	68.2	42.03	35	12.25	35.32	378	284	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	44.99	-29.01	74	47.67	37.9	18.06	58.64	100	0	P	H
		16530	48.55	-19.65	68.2	40.89	41.67	22.4	56.41	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	44.52	-29.48	74	47.2	37.9	18.06	58.64	100	0	P	V
5510MHz		16530	47.75	-20.45	68.2	40.09	41.67	22.4	56.41	100	0	P	V
													V
													V
		11100	44.12	-29.88	74	46.54	37.9	18.13	58.45	100	0	P	H
		16650	56.24	-11.96	68.2	48.01	42.1	22.5	56.37	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	44.72	-29.28	74	47.14	37.9	18.13	58.45	100	0	P	V
5550MHz		16650	60.65	-7.55	68.2	52.42	42.1	22.5	56.37	100	0	P	V
													V
													V
		11340	44.52	-29.48	74	46.02	38.03	18.35	57.88	100	0	P	H
		17010	49.59	-18.61	68.2	40.85	42.17	22.81	56.24	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	45.21	-28.79	74	46.71	38.03	18.35	57.88	100	0	P	V
5670MHz		17010	49.4	-18.8	68.2	40.66	42.17	22.81	56.24	100	0	P	V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5448.88	58.66	-15.34	74	47.41	34.7	11.87	35.32	100	210	P	H
		5467.84	59.62	-8.58	68.2	48.24	34.8	11.89	35.31	100	210	P	H
		5456.8	51.49	-2.51	54	40.22	34.7	11.88	35.31	100	210	A	H
	*	5530	103.64	-	-	92.05	34.93	11.96	35.3	100	210	P	H
802.11ac	*	5530	98.08	-	-	86.49	34.93	11.96	35.3	100	210	A	H
VHT80		5737.28	49.2	-19	68.2	37.25	35	12.27	35.32	100	210	P	H
CH 106		5458	48.32	-25.68	74	37.05	34.7	11.88	35.31	392	293	P	V
5530MHz		5464.72	50.16	-18.04	68.2	38.79	34.8	11.88	35.31	392	293	P	V
		5455.84	41.83	-12.17	54	30.58	34.7	11.87	35.32	392	293	A	V
	*	5530	96.67	-	-	85.08	34.93	11.96	35.3	392	293	P	V
	*	5530	90.85	-	-	79.26	34.93	11.96	35.3	392	293	A	V
		5741.06	48.42	-19.78	68.2	36.47	35	12.27	35.32	392	293	P	V
		5456.75	58	-16	74	46.73	34.7	11.88	35.31	100	211	P	H
		5469	56.91	-11.29	68.2	45.53	34.8	11.89	35.31	100	211	P	H
		5459.9	51.31	-2.69	54	40.04	34.7	11.88	35.31	100	211	A	H
	*	5610	107.04	-	-	95.29	35	12.06	35.31	100	211	P	H
802.11ac	*	5610	100.79	-	-	89.04	35	12.06	35.31	100	211	A	H
VHT80		5736.65	64.71	-3.49	68.2	52.76	35	12.27	35.32	100	211	P	H
CH 122		5457.8	51.78	-22.22	74	40.51	34.7	11.88	35.31	396	324	P	V
5610MHz		5466.55	52.2	-16	68.2	40.82	34.8	11.89	35.31	396	324	P	V
		5459.55	44.46	-9.54	54	33.19	34.7	11.88	35.31	396	324	A	V
	*	5610	100.24	-	-	88.49	35	12.06	35.31	396	324	P	V
	*	5610	94.45	-	-	82.7	35	12.06	35.31	396	324	A	V
		5735.25	58.58	-9.62	68.2	46.64	35	12.26	35.32	396	324	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	44.99	-29.01	74	47.54	37.9	18.1	58.55	100	0	P	H
		16590	47.21	-20.99	68.2	39.38	41.77	22.45	56.39	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	44.82	-29.18	74	47.37	37.9	18.1	58.55	100	0	P	V
5530MHz		16590	47.39	-20.81	68.2	39.56	41.77	22.45	56.39	100	0	P	V
													V
													V
		11220	45.51	-28.49	74	47.51	37.92	18.25	58.17	100	0	P	H
		16830	57.11	-11.09	68.2	48.45	42.3	22.66	56.3	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	45.23	-28.77	74	47.23	37.92	18.25	58.17	100	0	P	V
5610MHz		16830	59.78	-8.42	68.2	51.12	42.3	22.66	56.3	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 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		5456.86	50.06	-23.94	74	38.79	34.7	11.88	35.31	100	145	P	H
		5462.71	48.2	-20	68.2	36.83	34.8	11.88	35.31	100	145	P	H
		5459.2	39.44	-14.56	54	28.17	34.7	11.88	35.31	100	145	A	H
	*	5720	115.03	-	-	103.11	35	12.24	35.32	100	145	P	H
	*	5720	107.61	-	-	95.69	35	12.24	35.32	100	145	A	H
		5856	51.7	-16.5	68.2	39.57	35.07	12.4	35.34	100	145	P	H
		5429.56	48.32	-25.68	74	37.1	34.7	11.84	35.32	400	237	P	V
		5460.37	47.7	-20.5	68.2	36.43	34.7	11.88	35.31	400	237	P	V
		5458.81	39.22	-14.78	54	27.95	34.7	11.88	35.31	400	237	A	V
	*	5720	109.5	-	-	97.58	35	12.24	35.32	400	237	P	V
	*	5720	102.02	-	-	90.1	35	12.24	35.32	400	237	A	V
		5910.25	50.18	-18.02	68.2	37.89	35.2	12.43	35.34	400	237	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	45.65	-28.35	74	46.72	38.13	18.44	57.64	100	0	P	H
		17160	49.43	-18.77	68.2	41.08	41.73	22.91	56.29	100	0	P	H
													H
													H
		11440	44.54	-29.46	74	45.61	38.13	18.44	57.64	100	0	P	V
		17160	49.61	-18.59	68.2	41.26	41.73	22.91	56.29	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 802.11ac 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		5449.84	48.83	-25.17	74	37.58	34.7	11.87	35.32	100	141	P	H
		5460.76	48.24	-19.96	68.2	36.97	34.7	11.88	35.31	100	141	P	H
		5459.59	39.44	-14.56	54	28.17	34.7	11.88	35.31	100	141	A	H
	*	5720	115.32	-	-	103.4	35	12.24	35.32	100	141	P	H
	*	5720	107.4	-	-	95.48	35	12.24	35.32	100	141	A	H
		5863.75	51.29	-16.91	68.2	39.16	35.07	12.4	35.34	100	141	P	H
		5394.85	49.32	-24.68	74	38.16	34.7	11.8	35.34	397	251	P	V
		5464.27	47.44	-20.76	68.2	36.07	34.8	11.88	35.31	397	251	P	V
		5459.59	39.18	-14.82	54	27.91	34.7	11.88	35.31	397	251	A	V
	*	5720	109.8	-	-	97.88	35	12.24	35.32	397	251	P	V
	*	5720	101.87	-	-	89.95	35	12.24	35.32	397	251	A	V
		5933.5	50.37	-17.83	68.2	38.07	35.2	12.44	35.34	397	251	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	45.56	-28.44	74	46.63	38.13	18.44	57.64	100	0	P	H
		17160	49.85	-18.35	68.2	41.5	41.73	22.91	56.29	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	46.26	-27.74	74	47.33	38.13	18.44	57.64	100	0	P	V
5720MHz		17160	49.96	-18.24	68.2	41.61	41.73	22.91	56.29	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 802.11ac 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		5387.83	47.06	-26.94	74	35.97	34.63	11.8	35.34	100	212	P	H
		5463.1	47.89	-20.31	68.2	36.52	34.8	11.88	35.31	100	212	P	H
		5449.84	40.32	-13.68	54	29.07	34.7	11.87	35.32	100	212	A	H
	*	5710	110.01	-	-	98.11	35	12.22	35.32	100	212	P	H
	*	5710	103.09	-	-	91.19	35	12.22	35.32	100	212	A	H
		5851	50.15	-18.05	68.2	38.09	35	12.4	35.34	100	212	P	H
		5426.05	47.95	-26.05	74	36.74	34.7	11.84	35.33	393	283	P	V
		5460.76	48.11	-20.09	68.2	36.84	34.7	11.88	35.31	393	283	P	V
		5453.35	40	-14	54	28.75	34.7	11.87	35.32	393	283	A	V
	*	5710	104.49	-	-	92.59	35	12.22	35.32	393	283	P	V
	*	5710	97.78	-	-	85.88	35	12.22	35.32	393	283	A	V
		5936.25	50.49	-17.71	68.2	38.19	35.2	12.44	35.34	393	283	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	45.02	-28.98	74	46.17	38.12	18.42	57.69	100	0	P	H
		17130	49.14	-19.06	68.2	40.66	41.87	22.89	56.28	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	46.03	-27.97	74	47.18	38.12	18.42	57.69	100	0	P	V
5710MHz		17130	49.16	-19.04	68.2	40.68	41.87	22.89	56.28	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		5459.98	48.07	-25.93	74	36.8	34.7	11.88	35.31	100	141	P	H
		5465.05	47.58	-20.62	68.2	36.21	34.8	11.88	35.31	100	141	P	H
		5431.51	40.83	-13.17	54	29.6	34.7	11.85	35.32	100	141	A	H
	*	5690	106.45	-	-	94.58	35	12.19	35.32	100	141	P	H
	*	5690	100.33	-	-	88.46	35	12.19	35.32	100	141	A	H
		5850.1	55.14	-13.06	68.2	43.08	35	12.4	35.34	100	141	P	H
		5453.35	47.3	-26.7	74	36.05	34.7	11.87	35.32	383	324	P	V
		5469.34	47.21	-20.99	68.2	35.83	34.8	11.89	35.31	383	324	P	V
		5459.98	39.83	-14.17	54	28.56	34.7	11.88	35.31	383	324	A	V
	*	5690	100.62	-	-	88.75	35	12.19	35.32	383	324	P	V
	*	5690	94.44	-	-	82.57	35	12.19	35.32	383	324	A	V
		5854	51.42	-16.78	68.2	39.29	35.07	12.4	35.34	383	324	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	45.35	-28.65	74	46.68	38.08	18.38	57.79	100	0	P	H
		17070	49.53	-18.67	68.2	40.88	42.07	22.84	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	45.1	-28.9	74	46.43	38.08	18.38	57.79	100	0	P	V
5690MHz		17070	50.02	-18.18	68.2	41.37	42.07	22.84	56.26	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)
		80.49	28.18	-11.82	40	43.17	13.31	1.68	29.98	-	-	P	H
		100.2	31.67	-11.83	43.5	43.84	15.96	1.84	29.97	-	-	P	H
		169.59	33.45	-10.05	43.5	45.37	15.61	2.41	29.94	100	0	P	H
		434.4	33.24	-12.76	46	36.53	22.82	3.77	29.88	-	-	P	H
		836.2	33.6	-12.4	46	29.41	28.29	5.18	29.28	-	-	P	H
		955.9	35.43	-10.57	46	27.95	30.5	5.65	28.67	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		30	31.77	-8.23	40	36.49	24.32	0.97	30.01	-	-	P	V
		81.57	32.87	-7.13	40	47.7	13.46	1.69	29.98	100	0	P	V
		141.51	32.6	-10.9	43.5	43.06	17.36	2.13	29.95	-	-	P	V
		449.8	30.77	-15.23	46	33.75	23.1	3.8	29.88	-	-	P	V
		854.4	32.33	-13.67	46	27.48	28.83	5.22	29.2	-	-	P	V
		948.9	34.4	-11.6	46	27.36	30.12	5.63	28.71	-	-	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.	
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".

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		5147.16	62.36	-11.64	74	51.82	34.4	11.56	35.42	204	127	P	H
		5148.72	52.4	-1.6	54	41.86	34.4	11.56	35.42	204	127	A	H
	*	5180	115.78	-	-	105.14	34.47	11.58	35.41	204	127	P	H
	*	5180	107.67	-	-	97.03	34.47	11.58	35.41	204	127	A	H
													H
													H
		5149.76	57.91	-16.09	74	47.37	34.4	11.56	35.42	393	264	P	V
		5150	49.03	-4.97	54	38.49	34.4	11.56	35.42	393	264	A	V
	*	5180	110.94	-	-	100.3	34.47	11.58	35.41	393	264	P	V
	*	5180	103.37	-	-	92.73	34.47	11.58	35.41	393	264	A	V
													V
													V
802.11a CH 44 5220MHz		5149.76	53.52	-20.48	74	42.98	34.4	11.56	35.42	216	133	P	H
		5147.42	45.71	-8.29	54	35.17	34.4	11.56	35.42	216	133	A	H
	*	5220	116.28	-	-	105.56	34.5	11.62	35.4	216	133	P	H
	*	5220	109.03	-	-	98.31	34.5	11.62	35.4	216	133	A	H
		5406.8	48.63	-25.37	74	37.44	34.7	11.82	35.33	216	133	P	H
		5451.32	39.11	-14.89	54	27.86	34.7	11.87	35.32	216	133	A	H
		5112.32	49.52	-24.48	74	39.09	34.33	11.53	35.43	386	275	P	V
		5150	40.39	-13.61	54	29.85	34.4	11.56	35.42	386	275	A	V
	*	5220	110.36	-	-	99.64	34.5	11.62	35.4	386	275	P	V
	*	5220	102.87	-	-	92.15	34.5	11.62	35.4	386	275	A	V
		5368.72	47.74	-26.26	74	36.73	34.57	11.78	35.34	386	275	P	V
		5460	38.92	-15.08	54	27.65	34.7	11.88	35.31	386	275	A	V

802.11a CH 48 5240MHz		5139.36	51.99	-22.01	74	41.49	34.37	11.55	35.42	210	126	P	H
		5150	43.35	-10.65	54	32.81	34.4	11.56	35.42	210	126	A	H
	*	5240	115.81	-	-	105.06	34.5	11.64	35.39	210	126	P	H
	*	5240	107.76	-	-	97.01	34.5	11.64	35.39	210	126	A	H
		5376.28	48.42	-25.58	74	37.4	34.57	11.79	35.34	210	126	P	H
		5350	39.72	-14.28	54	28.81	34.5	11.76	35.35	210	126	A	H
		5129.74	49.4	-24.6	74	38.92	34.37	11.54	35.43	383	277	P	V
		5148.98	39.83	-14.17	54	29.29	34.4	11.56	35.42	383	277	A	V
	*	5240	110.37	-	-	99.62	34.5	11.64	35.39	383	277	P	V
	*	5240	102.52	-	-	91.77	34.5	11.64	35.39	383	277	A	V
		5458.32	48.27	-25.73	74	37	34.7	11.88	35.31	383	277	P	V
		5460	38.87	-15.13	54	27.6	34.7	11.88	35.31	383	277	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	42.67	-25.53	68.2	46.65	37.47	17.58	59.03	100	0	P	H
		15540	45.72	-28.28	74	40.74	40.1	21.65	56.77	100	0	P	H
													H
													H
		10360	42.77	-25.43	68.2	46.75	37.47	17.58	59.03	100	0	P	V
		15540	44.2	-29.8	74	39.22	40.1	21.65	56.77	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	43.7	-24.5	68.2	47.49	37.53	17.65	58.97	100	0	P	H
		15660	59.16	-14.84	74	53.73	40.45	21.73	56.75	200	58	P	H
		15660	49.82	-4.18	54	44.39	40.45	21.73	56.75	200	58	A	H
													H
		10440	43.74	-24.46	68.2	47.53	37.53	17.65	58.97	100	0	P	V
		15660	55.97	-18.03	74	50.54	40.45	21.73	56.75	200	346	P	V
		15660	47.51	-6.49	54	42.08	40.45	21.73	56.75	200	346	A	V
													V
802.11a CH 48 5240MHz		10480	42.17	-26.03	68.2	45.85	37.58	17.68	58.94	100	0	P	H
		15720	58.61	-15.39	74	53.01	40.58	21.76	56.74	200	59	P	H
		15720	49.09	-4.91	54	43.49	40.58	21.76	56.74	200	59	A	H
													H
		10480	42.23	-25.97	68.2	45.91	37.58	17.68	58.94	100	0	P	V
		15720	56.9	-17.1	74	51.3	40.58	21.76	56.74	184	347	P	V
		15720	46.9	-7.1	54	41.3	40.58	21.76	56.74	184	347	A	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)
		5149.24	57.18	-16.82	74	46.64	34.4	11.56	35.42	206	127	P	H
		5150	50.28	-3.72	54	39.74	34.4	11.56	35.42	206	127	A	H
	*	5180	113.85	-	-	103.21	34.47	11.58	35.41	206	127	P	H
	*	5180	105.69	-	-	95.05	34.47	11.58	35.41	206	127	A	H
802.11ac													H
VHT20													H
CH 36		5145.08	49.62	-24.38	74	39.09	34.4	11.55	35.42	390	274	P	V
5180MHz		5150	41.5	-12.5	54	30.96	34.4	11.56	35.42	390	274	A	V
	*	5180	109.87	-	-	99.23	34.47	11.58	35.41	390	274	P	V
	*	5180	102.28	-	-	91.64	34.47	11.58	35.41	390	274	A	V
													V
													V
		5149.76	56.44	-17.56	74	45.9	34.4	11.56	35.42	100	339	P	H
		5150	46.2	-7.8	54	35.66	34.4	11.56	35.42	100	339	A	H
	*	5220	115.69	-	-	104.97	34.5	11.62	35.4	100	339	P	H
	*	5220	106.83	-	-	96.11	34.5	11.62	35.4	100	339	A	H
802.11ac		5358.92	48.6	-25.4	74	37.68	34.5	11.77	35.35	100	339	P	H
VHT20		5350.52	39.82	-14.18	54	28.91	34.5	11.76	35.35	100	339	A	H
CH 44		5136.76	50.91	-23.09	74	40.41	34.37	11.55	35.42	306	87	P	V
5220MHz		5150	44.06	-9.94	54	33.52	34.4	11.56	35.42	306	87	A	V
	*	5220	110.63	-	-	99.91	34.5	11.62	35.4	306	87	P	V
	*	5220	102.78	-	-	92.06	34.5	11.62	35.4	306	87	A	V
		5449.92	48.28	-25.72	74	37.03	34.7	11.87	35.32	306	87	P	V
		5458.32	38.9	-15.1	54	27.63	34.7	11.88	35.31	306	87	A	V

		5122.98	50.68	-23.32	74	40.21	34.37	11.53	35.43	106	338	P	H
		5149.76	40.84	-13.16	54	30.3	34.4	11.56	35.42	106	338	A	H
	*	5240	114.95	-	-	104.2	34.5	11.64	35.39	106	338	P	H
	*	5240	107.1	-	-	96.35	34.5	11.64	35.39	106	338	A	H
802.11ac		5411	49.24	-24.76	74	38.05	34.7	11.82	35.33	106	338	P	H
VHT20		5350.24	39.96	-14.04	54	29.05	34.5	11.76	35.35	106	338	A	H
CH 48		5063.44	48.87	-25.13	74	38.67	34.17	11.48	35.45	386	88	P	V
5240MHz		5148.72	40.12	-13.88	54	29.58	34.4	11.56	35.42	386	88	A	V
	*	5240	112.45	-	-	101.7	34.5	11.64	35.39	386	88	P	V
	*	5240	104.55	-	-	93.8	34.5	11.64	35.39	386	88	A	V
		5458.04	48.47	-25.53	74	37.2	34.7	11.88	35.31	386	88	P	V
		5350.52	39.16	-14.84	54	28.25	34.5	11.76	35.35	386	88	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	41.67	-26.53	68.2	45.65	37.47	17.58	59.03	100	0	P	H
		15540	43.73	-30.27	74	38.75	40.1	21.65	56.77	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	42.67	-25.53	68.2	46.65	37.47	17.58	59.03	100	0	P	V
5180MHz		15540	44.7	-29.3	74	39.72	40.1	21.65	56.77	100	0	P	V
													V
													V
		10440	42.99	-25.21	68.2	46.78	37.53	17.65	58.97	100	0	P	H
		15660	59.86	-14.14	74	54.43	40.45	21.73	56.75	200	58	P	H
802.11ac		15660	50.32	-3.68	54	44.89	40.45	21.73	56.75	200	58	A	H
VHT20													H
CH 44		10440	42.96	-25.24	68.2	46.75	37.53	17.65	58.97	100	0	P	V
5220MHz		15660	56.62	-17.38	74	51.19	40.45	21.73	56.75	200	345	P	V
		15660	48.03	-5.97	54	42.6	40.45	21.73	56.75	200	345	A	V
													V
		10480	41.76	-26.44	68.2	45.44	37.58	17.68	58.94	100	0	P	H
		15720	59.14	-14.86	74	53.54	40.58	21.76	56.74	200	59	P	H
802.11ac		15720	50.5	-3.5	54	44.9	40.58	21.76	56.74	200	59	A	H
VHT20													H
CH 48		10480	42.69	-25.51	68.2	46.37	37.58	17.68	58.94	100	0	P	V
5240MHz		15720	57.23	-16.77	74	51.63	40.58	21.76	56.74	192	346	P	V
		15720	48.1	-5.9	54	42.5	40.58	21.76	56.74	192	346	A	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)
		5146.9	59.27	-14.73	74	48.74	34.4	11.55	35.42	209	129	P	H
		5146.38	51.59	-2.41	54	41.06	34.4	11.55	35.42	209	129	A	H
	*	5190	108.24	-	-	97.59	34.47	11.59	35.41	209	129	P	H
	*	5190	100.05	-	-	89.4	34.47	11.59	35.41	209	129	A	H
802.11ac		5413.8	48.88	-25.12	74	37.68	34.7	11.83	35.33	209	129	P	H
VHT40		5374.88	40.74	-13.26	54	29.73	34.57	11.78	35.34	209	129	A	H
CH 38		5147.42	53.23	-20.77	74	42.69	34.4	11.56	35.42	313	278	P	V
5190MHz		5147.68	47.55	-6.45	54	37.01	34.4	11.56	35.42	313	278	A	V
	*	5190	103.45	-	-	92.8	34.47	11.59	35.41	313	278	P	V
	*	5190	96.15	-	-	85.5	34.47	11.59	35.41	313	278	A	V
		5350.8	48.05	-25.95	74	37.14	34.5	11.76	35.35	313	278	P	V
		5452.72	40.76	-13.24	54	29.51	34.7	11.87	35.32	313	278	A	V
		5145.95	58.94	-15.06	74	48.41	34.4	11.55	35.42	213	122	P	H
		5144.9	50.29	-3.71	54	39.76	34.4	11.55	35.42	213	122	A	H
	*	5230	109.4	-	-	98.66	34.5	11.63	35.39	213	122	P	H
	*	5230	102.34	-	-	91.6	34.5	11.63	35.39	213	122	A	H
802.11ac		5353.44	48.97	-25.03	74	38.06	34.5	11.76	35.35	213	122	P	H
VHT40		5350.56	41.84	-12.16	54	30.93	34.5	11.76	35.35	213	122	A	H
CH 46		5146.3	52.77	-21.23	74	42.24	34.4	11.55	35.42	340	101	P	V
5230MHz		5150	45.66	-8.34	54	35.12	34.4	11.56	35.42	340	101	A	V
	*	5230	107.03	-	-	96.29	34.5	11.63	35.39	340	101	P	V
	*	5230	99.06	-	-	88.32	34.5	11.63	35.39	340	101	A	V
		5359.44	48.4	-25.6	74	37.48	34.5	11.77	35.35	340	101	P	V
		5397.6	40.3	-13.7	54	29.12	34.7	11.81	35.33	340	101	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	42.79	-25.41	68.2	46.73	37.48	17.6	59.02	100	0	P	H
		15570	45.4	-28.6	74	40.29	40.2	21.68	56.77	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	43.51	-24.69	68.2	47.45	37.48	17.6	59.02	100	0	P	V
5190MHz		15570	46.13	-27.87	74	41.02	40.2	21.68	56.77	100	0	P	V
													V
													V
		10460	43.81	-24.39	68.2	47.56	37.55	17.66	58.96	100	0	P	H
		15690	46.35	-27.65	74	40.8	40.55	21.75	56.75	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	44.17	-24.03	68.2	47.92	37.55	17.66	58.96	100	0	P	V
5230MHz		15690	45.56	-28.44	74	40.01	40.55	21.75	56.75	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5148.2	58.32	-15.68	74	47.78	34.4	11.56	35.42	216	128	P	H
		5149.24	51.55	-2.45	54	41.01	34.4	11.56	35.42	216	128	A	H
	*	5210	105.3	-	-	94.59	34.5	11.61	35.4	216	128	P	H
	*	5210	98.5	-	-	87.79	34.5	11.61	35.4	216	128	A	H
		5358.64	48.02	-25.98	74	37.1	34.5	11.77	35.35	216	128	P	H
		5453.28	41.17	-12.83	54	29.92	34.7	11.87	35.32	216	128	A	H
		5131.56	50.3	-23.7	74	39.82	34.37	11.54	35.43	100	332	P	V
		5132.34	43.37	-10.63	54	32.89	34.37	11.54	35.43	100	332	A	V
	*	5210	97.63	-	-	86.92	34.5	11.61	35.4	100	332	P	V
	*	5210	90.47	-	-	79.76	34.5	11.61	35.4	100	332	A	V
		5419.68	48.81	-25.19	74	37.61	34.7	11.83	35.33	100	332	P	V
		5458.32	40.47	-13.53	54	29.2	34.7	11.88	35.31	100	332	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	43.5	-24.7	68.2	47.34	37.52	17.63	58.99	100	0	P	H
		15630	45.33	-28.67	74	39.98	40.4	21.71	56.76	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	43.49	-24.71	68.2	47.33	37.52	17.63	58.99	100	0	P	V
5210MHz		15630	45.3	-28.7	74	39.95	40.4	21.71	56.76	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		5124.95	48.77	-25.23	74	38.29	34.37	11.54	35.43	204	128	P	H
		5148.4	39.9	-14.1	54	29.36	34.4	11.56	35.42	204	128	A	H
	*	5260	111.35	-	-	100.5	34.57	11.66	35.38	204	128	P	H
	*	5260	104.55	-	-	93.7	34.57	11.66	35.38	204	128	A	H
		5376.72	47.73	-26.27	74	36.71	34.57	11.79	35.34	204	128	P	H
		5350.08	39.24	-14.76	54	28.33	34.5	11.76	35.35	204	128	A	H
		5128.8	48.24	-25.76	74	37.76	34.37	11.54	35.43	380	265	P	V
		5134.4	39.41	-14.59	54	28.92	34.37	11.54	35.42	380	265	A	V
	*	5260	107.45	-	-	96.6	34.57	11.66	35.38	380	265	P	V
	*	5260	100.75	-	-	89.9	34.57	11.66	35.38	380	265	A	V
		5409.12	47.82	-26.18	74	36.63	34.7	11.82	35.33	380	265	P	V
		5353.68	39.2	-14.8	54	28.29	34.5	11.76	35.35	380	265	A	V
802.11a CH 60 5300MHz		5094.85	49.12	-24.88	74	38.75	34.3	11.51	35.44	241	337	P	H
		5147.35	39.5	-14.5	54	28.96	34.4	11.56	35.42	241	337	A	H
	*	5300	114.54	-	-	103.51	34.7	11.7	35.37	241	337	P	H
	*	5300	106.84	-	-	95.81	34.7	11.7	35.37	241	337	A	H
		5351.28	52.36	-21.64	74	41.45	34.5	11.76	35.35	241	337	P	H
		5350.08	43.55	-10.45	54	32.64	34.5	11.76	35.35	241	337	A	H
		5140.35	48.37	-25.63	74	37.84	34.4	11.55	35.42	400	89	P	V
		5139.65	39.4	-14.6	54	28.87	34.4	11.55	35.42	400	89	A	V
	*	5300	112.16	-	-	101.13	34.7	11.7	35.37	400	89	P	V
	*	5300	104.34	-	-	93.31	34.7	11.7	35.37	400	89	A	V
		5351.28	53.36	-20.64	74	42.45	34.5	11.76	35.35	400	89	P	V
		5350.08	43.16	-10.84	54	32.25	34.5	11.76	35.35	400	89	A	V

802.11a CH 64 5320MHz	*	5320	113.93	-	-	102.93	34.63	11.73	35.36	221	127	P	H
	*	5320	106.2	-	-	95.2	34.63	11.73	35.36	221	127	A	H
		5351.68	60.03	-13.97	74	49.12	34.5	11.76	35.35	221	127	P	H
		5350.24	52.66	-1.34	54	41.75	34.5	11.76	35.35	221	127	A	H
													H
													H
	*	5320	109.7	-	-	98.7	34.63	11.73	35.36	400	105	P	V
	*	5320	102.8	-	-	91.8	34.63	11.73	35.36	400	105	A	V
		5352.64	51.63	-22.37	74	40.72	34.5	11.76	35.35	400	105	P	V
		5350.08	46.33	-7.67	54	35.42	34.5	11.76	35.35	400	105	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	41.28	-26.92	68.2	44.9	37.6	17.7	58.92	100	0	P	H
		15780	59.82	-14.18	74	54.23	40.53	21.8	56.74	199	59	P	H
		15780	50	-4	54	44.41	40.53	21.8	56.74	199	59	A	H
													H
		10520	42.03	-26.17	68.2	45.65	37.6	17.7	58.92	100	0	P	V
		15780	57.43	-16.57	74	51.84	40.53	21.8	56.74	153	72	P	V
		15780	49.3	-4.7	54	43.71	40.53	21.8	56.74	153	72	A	V
													V
802.11a CH 60 5300MHz		10600	40.89	-33.11	74	44.41	37.6	17.76	58.88	100	0	P	H
		15900	57.25	-16.75	74	51.28	40.8	21.89	56.72	175	123	P	H
		15900	46.57	-7.43	54	40.6	40.8	21.89	56.72	175	123	A	H
													H
		10600	41.74	-32.26	74	45.26	37.6	17.76	58.88	100	0	P	V
		15900	53.36	-20.64	74	47.39	40.8	21.89	56.72	389	245	P	V
		15900	43.57	-10.43	54	37.6	40.8	21.89	56.72	389	245	A	V
													V
802.11a CH 64 5320MHz		10640	42.4	-31.6	74	45.84	37.63	17.79	58.86	100	0	P	H
		15960	58.47	-15.53	74	52.45	40.8	21.93	56.71	177	123	P	H
		15960	48.04	-5.96	54	42.02	40.8	21.93	56.71	177	123	A	H
													H
		10640	40.85	-33.15	74	44.29	37.63	17.79	58.86	100	0	P	V
		15960	53.31	-20.69	74	47.29	40.8	21.93	56.71	400	60	P	V
		15960	44.62	-9.38	54	38.6	40.8	21.93	56.71	400	60	A	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)
		5144.9	49.86	-24.14	74	39.33	34.4	11.55	35.42	101	338	P	H
		5150	40.12	-13.88	54	29.58	34.4	11.56	35.42	101	338	A	H
	*	5260	114.95	-	-	104.1	34.57	11.66	35.38	101	338	P	H
	*	5260	107.35	-	-	96.5	34.57	11.66	35.38	101	338	A	H
802.11ac		5352.48	52.01	-21.99	74	41.1	34.5	11.76	35.35	101	338	P	H
VHT20		5350.08	42.76	-11.24	54	31.85	34.5	11.76	35.35	101	338	A	H
CH 52		5137.55	48.87	-25.13	74	38.37	34.37	11.55	35.42	379	74	P	V
5260MHz		5150	39.78	-14.22	54	29.24	34.4	11.56	35.42	379	74	A	V
	*	5260	111.45	-	-	100.6	34.57	11.66	35.38	379	74	P	V
	*	5260	103.25	-	-	92.4	34.57	11.66	35.38	379	74	A	V
		5419.2	48.89	-25.11	74	37.69	34.7	11.83	35.33	379	74	P	V
		5389.68	39.33	-14.67	54	28.24	34.63	11.8	35.34	379	74	A	V
		5108.15	49.28	-24.72	74	38.86	34.33	11.52	35.43	104	341	P	H
		5148.75	39.86	-14.14	54	29.32	34.4	11.56	35.42	104	341	A	H
	*	5300	115.14	-	-	104.11	34.7	11.7	35.37	104	341	P	H
	*	5300	107.24	-	-	96.21	34.7	11.7	35.37	104	341	A	H
802.11ac		5355.6	55.68	-18.32	74	44.77	34.5	11.76	35.35	104	341	P	H
VHT20		5350.32	48.65	-5.35	54	37.74	34.5	11.76	35.35	104	341	A	H
CH 60		5099.05	48.24	-25.76	74	37.87	34.3	11.51	35.44	371	98	P	V
5300MHz		5149.45	39.51	-14.49	54	28.97	34.4	11.56	35.42	371	98	A	V
	*	5300	111.5	-	-	100.47	34.7	11.7	35.37	371	98	P	V
	*	5300	103.2	-	-	92.17	34.7	11.7	35.37	371	98	A	V
		5350.8	54.52	-19.48	74	43.61	34.5	11.76	35.35	371	98	P	V
		5350.08	45.83	-8.17	54	34.92	34.5	11.76	35.35	371	98	A	V

	*	5320	113.93	-	-	102.93	34.63	11.73	35.36	221	127	P	H
	*	5320	106.2	-	-	95.2	34.63	11.73	35.36	221	127	A	H
		5351.68	60.03	-13.97	74	49.12	34.5	11.76	35.35	221	127	P	H
		5350.24	52.66	-1.34	54	41.75	34.5	11.76	35.35	221	127	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	109.7	-	-	98.7	34.63	11.73	35.36	400	105	P	V
5320MHz	*	5320	102.8	-	-	91.8	34.63	11.73	35.36	400	105	A	V
		5352.64	51.63	-22.37	74	40.72	34.5	11.76	35.35	400	105	P	V
		5350.08	46.33	-7.67	54	35.42	34.5	11.76	35.35	400	105	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	40.75	-27.45	68.2	44.37	37.6	17.7	58.92	100	0	P	H
		15780	57.03	-16.97	74	51.44	40.53	21.8	56.74	198	61	P	H
802.11ac		15780	45.61	-8.39	54	40.02	40.53	21.8	56.74	198	61	A	H
VHT20													H
CH 52		10520	43.57	-24.63	68.2	47.19	37.6	17.7	58.92	100	0	P	V
5260MHz		15778	55.2	-18.8	74	49.61	40.53	21.8	56.74	156	77	P	V
		15778	43.54	-10.46	54	37.95	40.53	21.8	56.74	156	77	A	V
													V
		10600	43.92	-30.08	74	47.44	37.6	17.76	58.88	100	0	P	H
		15900	60.01	-13.99	74	54.04	40.8	21.89	56.72	194	60	P	H
802.11ac		15900	50.82	-3.18	54	44.85	40.8	21.89	56.72	194	60	A	H
VHT20													H
CH 60		10600	43.17	-30.83	74	46.69	37.6	17.76	58.88	100	0	P	V
5300MHz		15900	58.5	-15.5	74	52.53	40.8	21.89	56.72	400	254	P	V
		15900	47.31	-6.69	54	41.34	40.8	21.89	56.72	400	254	A	V
													V
		10640	44.35	-29.65	74	47.79	37.63	17.79	58.86	100	0	P	H
		15960	59.66	-14.34	74	53.64	40.8	21.93	56.71	199	60	P	H
802.11ac		15960	49.31	-4.69	54	43.29	40.8	21.93	56.71	199	60	A	H
VHT20													H
CH 64		10640	44.31	-29.69	74	47.75	37.63	17.79	58.86	100	0	P	V
5320MHz		15960	59.79	-14.21	74	53.77	40.8	21.93	56.71	157	77	P	V
		15960	48.91	-5.09	54	42.89	40.8	21.93	56.71	157	77	A	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)
		5147	51.13	-22.87	74	40.6	34.4	11.55	35.42	100	341	P	H
		5149.8	42.45	-11.55	54	31.91	34.4	11.56	35.42	100	341	A	H
	*	5270	111.86	-	-	101	34.57	11.67	35.38	100	341	P	H
	*	5270	104.56	-	-	93.7	34.57	11.67	35.38	100	341	A	H
802.11ac		5351.76	57.58	-16.42	74	46.67	34.5	11.76	35.35	100	341	P	H
VHT40		5350.08	51.86	-2.14	54	40.95	34.5	11.76	35.35	100	341	A	H
CH 54		5148.4	50.28	-23.72	74	39.74	34.4	11.56	35.42	400	93	P	V
5270MHz		5149.8	44.11	-9.89	54	33.57	34.4	11.56	35.42	400	93	A	V
	*	5270	109.54	-	-	98.68	34.57	11.67	35.38	400	93	P	V
	*	5270	101.46	-	-	90.6	34.57	11.67	35.38	400	93	A	V
		5351.76	54.69	-19.31	74	43.78	34.5	11.76	35.35	400	93	P	V
		5350.08	49.78	-4.22	54	38.87	34.5	11.76	35.35	400	93	A	V
		5091.7	48.43	-25.57	74	38.06	34.3	11.51	35.44	100	334	P	H
		5126	40.89	-13.11	54	30.41	34.37	11.54	35.43	100	334	A	H
	*	5310	107.94	-	-	96.95	34.63	11.72	35.36	100	334	P	H
	*	5310	99.27	-	-	88.28	34.63	11.72	35.36	100	334	A	H
802.11ac		5350.56	56.17	-17.83	74	45.26	34.5	11.76	35.35	100	334	P	H
VHT40		5350.56	50.66	-3.34	54	39.75	34.5	11.76	35.35	100	334	A	H
CH 62		5019.95	47.9	-26.1	74	37.81	34.1	11.45	35.46	371	92	P	V
5310MHz		5137.55	40.57	-13.43	54	30.07	34.37	11.55	35.42	371	92	A	V
	*	5310	104.18	-	-	93.19	34.63	11.72	35.36	371	92	P	V
	*	5310	97.08	-	-	86.09	34.63	11.72	35.36	371	92	A	V
		5352.96	59.15	-14.85	74	48.24	34.5	11.76	35.35	371	92	P	V
		5350.32	51.92	-2.08	54	41.01	34.5	11.76	35.35	371	92	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	43.79	-24.41	68.2	47.39	37.6	17.71	58.91	100	0	P	H
		15810	53.51	-20.49	74	47.92	40.5	21.82	56.73	217	59	P	H
802.11ac		15810	45.56	-8.44	54	39.97	40.5	21.82	56.73	217	59	A	H
VHT40													H
CH 54		10540	43.26	-24.94	68.2	46.86	37.6	17.71	58.91	100	0	P	V
5270MHz		15810	51.78	-22.22	74	46.19	40.5	21.82	56.73	400	255	P	V
		15810	44.91	-9.09	54	39.32	40.5	21.82	56.73	400	255	A	V
													V
		10620	44.43	-29.57	74	47.9	37.62	17.78	58.87	100	0	P	H
		15930	46.34	-27.66	74	40.34	40.8	21.91	56.71	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	43.46	-30.54	74	46.93	37.62	17.78	58.87	100	0	P	V
5310MHz		15930	46.53	-27.47	74	40.53	40.8	21.91	56.71	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)
802.11ac VHT80 CH 58 5290MHz		5078.75	49.59	-24.41	74	39.3	34.23	11.5	35.44	100	339	P	H
		5116.9	41.33	-12.67	54	30.9	34.33	11.53	35.43	100	339	A	H
	*	5290	103.62	-	-	92.67	34.63	11.69	35.37	100	339	P	H
	*	5290	96.2	-	-	85.25	34.63	11.69	35.37	100	339	A	H
		5360.64	57.55	-16.45	74	46.56	34.57	11.77	35.35	100	339	P	H
		5350.08	51.72	-2.28	54	40.81	34.5	11.76	35.35	100	339	A	H
		5098.7	48.53	-25.47	74	38.16	34.3	11.51	35.44	100	323	P	V
		5119.7	41.4	-12.6	54	30.97	34.33	11.53	35.43	100	323	A	V
	*	5290	99.56	-	-	88.61	34.63	11.69	35.37	100	323	P	V
	*	5290	92.26	-	-	81.31	34.63	11.69	35.37	100	323	A	V
		5358.48	54.74	-19.26	74	43.82	34.5	11.77	35.35	100	323	P	V
		5355.36	49.08	-4.92	54	38.17	34.5	11.76	35.35	100	323	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	43.61	-24.59	68.2	47.15	37.6	17.75	58.89	100	0	P	H
		15870	46.19	-27.81	74	40.3	40.74	21.87	56.72	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	43.1	-25.1	68.2	46.64	37.6	17.75	58.89	100	0	P	V
5290MHz		15870	46.53	-27.47	74	40.64	40.74	21.87	56.72	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		5459.28	58.39	-15.61	74	47.12	34.7	11.88	35.31	104	339	P	H
		5469.36	63.95	-4.25	68.2	52.57	34.8	11.89	35.31	104	339	P	H
		5460	47.16	-6.84	54	35.89	34.7	11.88	35.31	104	339	A	H
	*	5500	114.39	-	-	102.76	35	11.93	35.3	104	339	P	H
	*	5500	106.83	-	-	95.2	35	11.93	35.3	104	339	A	H
													H
		5459.92	49.5	-24.5	74	38.23	34.7	11.88	35.31	100	276	P	V
		5467.12	56.11	-12.09	68.2	44.73	34.8	11.89	35.31	100	276	P	V
		5459.92	41.88	-12.12	54	30.61	34.7	11.88	35.31	100	276	A	V
	*	5500	110.7	-	-	99.07	35	11.93	35.3	100	276	P	V
	*	5500	102.97	-	-	91.34	35	11.93	35.3	100	276	A	V
													V
802.11a CH 116 5580MHz		5447.2	49.04	-24.96	74	37.8	34.7	11.86	35.32	102	336	P	H
		5465.2	48.55	-19.65	68.2	37.18	34.8	11.88	35.31	102	336	P	H
		5459.92	40.3	-13.7	54	29.03	34.7	11.88	35.31	102	336	A	H
	*	5580	115.98	-	-	104.4	34.87	12.02	35.31	102	336	P	H
	*	5580	107.88	-	-	96.3	34.87	12.02	35.31	102	336	A	H
		5759.015	49.84	-18.36	68.2	37.87	35	12.3	35.33	102	336	P	H
		5440.96	48.4	-25.6	74	37.16	34.7	11.86	35.32	376	103	P	V
		5462.32	47.86	-20.34	68.2	36.59	34.7	11.88	35.31	376	103	P	V
		5458.24	39.42	-14.58	54	28.15	34.7	11.88	35.31	376	103	A	V
	*	5580	113.85	-	-	102.27	34.87	12.02	35.31	376	103	P	V
	*	5580	106.08	-	-	94.5	34.87	12.02	35.31	376	103	A	V
		5744.21	48.37	-19.83	68.2	36.41	35	12.28	35.32	376	103	P	V

802.11a CH 140 5700MHz	*	5700	114.38	-	-	102.5	35	12.2	35.32	100	41	P	H
	*	5700	106.68	-	-	94.8	35	12.2	35.32	100	41	A	H
		5726.92	66.63	-1.57	68.2	54.7	35	12.25	35.32	100	41	P	H
													H
													H
													H
	*	5700	112.43	-	-	100.55	35	12.2	35.32	400	108	P	V
	*	5700	103.97	-	-	92.09	35	12.2	35.32	400	108	A	V
		5727.24	66.37	-1.83	68.2	54.44	35	12.25	35.32	400	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	44.4	-29.6	74	47.14	37.9	18.05	58.69	100	0	P	H
		16500	56.76	-11.44	68.2	49.2	41.6	22.38	56.42	100	0	P	H
													H
													H
		11000	43.7	-30.3	74	46.44	37.9	18.05	58.69	100	0	P	V
		16500	55.94	-12.26	68.2	48.38	41.6	22.38	56.42	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	42.55	-31.45	74	44.77	37.9	18.19	58.31	100	0	P	H
		16740	51.07	-17.13	68.2	42.46	42.36	22.58	56.33	100	0	P	H
													H
													H
		11160	43.17	-30.83	74	45.39	37.9	18.19	58.31	100	0	P	V
		16740	47.33	-20.87	68.2	38.72	42.36	22.58	56.33	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	43.91	-30.09	74	45.14	38.1	18.41	57.74	100	0	P	H
		17100	49.87	-18.33	68.2	41.27	42	22.87	56.27	100	0	P	H
													H
													H
		11400	43.4	-30.6	74	44.63	38.1	18.41	57.74	100	0	P	V
		17100	50.15	-18.05	68.2	41.55	42	22.87	56.27	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)
		5457.52	58.11	-15.89	74	46.84	34.7	11.88	35.31	107	339	P	H
		5468.24	63.76	-4.44	68.2	52.38	34.8	11.89	35.31	107	339	P	H
		5459.44	48.85	-5.15	54	37.58	34.7	11.88	35.31	107	339	A	H
	*	5500	114.97	-	-	103.34	35	11.93	35.3	107	339	P	H
802.11ac	*	5500	106.93	-	-	95.3	35	11.93	35.3	107	339	A	H
VHT20													H
CH 100		5453.2	49.09	-24.91	74	37.84	34.7	11.87	35.32	100	278	P	V
5500MHz		5468.24	55.81	-12.39	68.2	44.43	34.8	11.89	35.31	100	278	P	V
		5460	41.98	-12.02	54	30.71	34.7	11.88	35.31	100	278	A	V
	*	5500	110.96	-	-	99.33	35	11.93	35.3	100	278	P	V
	*	5500	103.06	-	-	91.43	35	11.93	35.3	100	278	A	V
													V
		5433.76	48.71	-25.29	74	37.48	34.7	11.85	35.32	102	333	P	H
		5463.28	47.34	-20.86	68.2	35.97	34.8	11.88	35.31	102	333	P	H
		5459.2	40.32	-13.68	54	29.05	34.7	11.88	35.31	102	333	A	H
	*	5580	116.24	-	-	104.66	34.87	12.02	35.31	102	333	P	H
802.11ac	*	5580	108.48	-	-	96.9	34.87	12.02	35.31	102	333	A	H
VHT20		5734.445	50.06	-18.14	68.2	38.12	35	12.26	35.32	102	333	P	H
CH 116		5443.6	48.36	-25.64	74	37.12	34.7	11.86	35.32	398	104	P	V
5580MHz		5467.84	47.75	-20.45	68.2	36.37	34.8	11.89	35.31	398	104	P	V
		5458.72	39.49	-14.51	54	28.22	34.7	11.88	35.31	398	104	A	V
	*	5580	114.06	-	-	102.48	34.87	12.02	35.31	398	104	P	V
	*	5580	106.18	-	-	94.6	34.87	12.02	35.31	398	104	A	V
		5762.795	49	-19.2	68.2	37.02	35	12.31	35.33	398	104	P	V

	*	5700	113.54	-	-	101.66	35	12.2	35.32	100	50	P	H
	*	5700	106.08	-	-	94.2	35	12.2	35.32	100	50	A	H
		5725.96	60.42	-7.78	68.2	48.49	35	12.25	35.32	100	50	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	111.97	-	-	100.09	35	12.2	35.32	399	95	P	V
5700MHz	*	5700	104.15	-	-	92.27	35	12.2	35.32	399	95	A	V
		5725.08	61.82	-6.38	68.2	49.89	35	12.25	35.32	399	95	P	V
													V
													V
													V

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	44.07	-29.93	74	46.81	37.9	18.05	58.69	100	0	P	H
		16500	53.63	-14.57	68.2	46.07	41.6	22.38	56.42	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	44.17	-29.83	74	46.91	37.9	18.05	58.69	100	0	P	V
5500MHz		16500	54.02	-14.18	68.2	46.46	41.6	22.38	56.42	100	0	P	V
													V
													V
		11160	44.52	-29.48	74	46.74	37.9	18.19	58.31	100	0	P	H
		16740	53.64	-14.56	68.2	45.03	42.36	22.58	56.33	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	43.56	-30.44	74	45.78	37.9	18.19	58.31	100	0	P	V
5580MHz		16740	54.66	-13.54	68.2	46.05	42.36	22.58	56.33	100	0	P	V
													V
													V
		11400	44.69	-29.31	74	45.92	38.1	18.41	57.74	100	0	P	H
		17100	48.8	-19.4	68.2	40.2	42	22.87	56.27	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	44.26	-29.74	74	45.49	38.1	18.41	57.74	100	0	P	V
5700MHz		17100	48.2	-20	68.2	39.6	42	22.87	56.27	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)
		5456.08	55.37	-18.63	74	44.11	34.7	11.87	35.31	119	338	P	H
		5469.76	60.38	-7.82	68.2	49	34.8	11.89	35.31	119	338	P	H
		5459.68	50.63	-3.37	54	39.36	34.7	11.88	35.31	119	338	A	H
	*	5510	108.47	-	-	96.83	35	11.94	35.3	119	338	P	H
802.11ac	*	5510	101.6	-	-	89.96	35	11.94	35.3	119	338	A	H
VHT40		5726.57	50.34	-17.86	68.2	38.41	35	12.25	35.32	119	338	P	H
CH 102		5454.16	49.4	-24.6	74	38.15	34.7	11.87	35.32	381	76	P	V
5510MHz		5467.12	50.87	-17.33	68.2	39.49	34.8	11.89	35.31	381	76	P	V
		5459.92	42.63	-11.37	54	31.36	34.7	11.88	35.31	381	76	A	V
	*	5510	106.79	-	-	95.15	35	11.94	35.3	381	76	P	V
	*	5510	99.84	-	-	88.2	35	11.94	35.3	381	76	A	V
		5747.99	49.44	-18.76	68.2	37.48	35	12.28	35.32	381	76	P	V
		5459.2	55.47	-18.53	74	44.2	34.7	11.88	35.31	101	336	P	H
		5469.76	60.99	-7.21	68.2	49.61	34.8	11.89	35.31	101	336	P	H
		5459.92	50.66	-3.34	54	39.39	34.7	11.88	35.31	101	336	A	H
	*	5550	111.26	-	-	99.78	34.8	11.99	35.31	101	336	P	H
802.11ac	*	5550	104.49	-	-	93.01	34.8	11.99	35.31	101	336	A	H
VHT40		5729.405	49.13	-19.07	68.2	37.2	35	12.25	35.32	101	336	P	H
CH 110		5450.8	50.41	-23.59	74	39.16	34.7	11.87	35.32	400	94	P	V
5550MHz		5470	51.01	-17.19	68.2	39.63	34.8	11.89	35.31	400	94	P	V
		5459.44	43.74	-10.26	54	32.47	34.7	11.88	35.31	400	94	A	V
	*	5550	109.03	-	-	97.56	34.8	11.98	35.31	400	94	P	V
	*	5550	102.46	-	-	90.99	34.8	11.98	35.31	400	94	A	V
		5749.565	47.89	-20.31	68.2	35.92	35	12.29	35.32	400	94	P	V

		5420.35	47.93	-26.07	74	36.73	34.7	11.83	35.33	100	325	P	H
		5464.45	47.53	-20.67	68.2	36.16	34.8	11.88	35.31	100	325	P	H
		5429.8	40.8	-13.2	54	29.58	34.7	11.84	35.32	100	325	A	H
	*	5670	110.81	-	-	99.12	34.85	12.16	35.32	100	325	P	H
802.11ac	*	5670	103.29	-	-	91.6	34.85	12.16	35.32	100	325	A	H
VHT40		5727.9	65.83	-2.37	68.2	53.9	35	12.25	35.32	100	325	P	H
CH 134		5399	47.65	-26.35	74	36.47	34.7	11.81	35.33	400	76	P	V
5670MHz		5470.05	47.49	-102.51	150	36.11	34.8	11.89	35.31	400	76	P	V
		5453.95	40.6	-13.4	54	29.35	34.7	11.87	35.32	400	76	A	V
	*	5670	109.45	-	-	97.76	34.85	12.16	35.32	400	76	P	V
	*	5670	101.8	-	-	90.11	34.85	12.16	35.32	400	76	A	V
		5725.1	56.23	-11.97	68.2	44.3	35	12.25	35.32	400	76	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	44.99	-29.01	74	47.67	37.9	18.06	58.64	100	0	P	H
		16530	47.96	-20.24	68.2	40.3	41.67	22.4	56.41	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	43.99	-30.01	74	46.67	37.9	18.06	58.64	100	0	P	V
5510MHz		16530	47.05	-21.15	68.2	39.39	41.67	22.4	56.41	100	0	P	V
													V
													V
		11100	43.82	-30.18	74	46.24	37.9	18.13	58.45	100	0	P	H
		16650	47.85	-20.35	68.2	39.62	42.1	22.5	56.37	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	44.31	-29.69	74	46.73	37.9	18.13	58.45	100	0	P	V
5550MHz		16650	47.52	-20.68	68.2	39.29	42.1	22.5	56.37	100	0	P	V
													V
													V
		11340	43.52	-30.48	74	45.02	38.03	18.35	57.88	100	0	P	H
		17010	49.47	-18.73	68.2	40.73	42.17	22.81	56.24	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	44.96	-29.04	74	46.46	38.03	18.35	57.88	100	0	P	V
5670MHz		17010	49.05	-19.15	68.2	40.31	42.17	22.81	56.24	100	0	P	V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.32	60.61	-13.39	74	49.35	34.7	11.87	35.31	108	340	P	H
		5463.52	59.34	-8.86	68.2	47.97	34.8	11.88	35.31	108	340	P	H
		5458.96	52.23	-1.77	54	40.96	34.7	11.88	35.31	108	340	A	H
	*	5530	104.16	-	-	92.57	34.93	11.96	35.3	108	340	P	H
802.11ac	*	5530	97.79	-	-	86.2	34.93	11.96	35.3	108	340	A	H
VHT80		5760.275	49.69	-18.51	68.2	37.72	35	12.3	35.33	108	340	P	H
CH 106		5453.68	52.26	-21.74	74	41.01	34.7	11.87	35.32	400	88	P	V
5530MHz		5460.4	49.67	-18.53	68.2	38.4	34.7	11.88	35.31	400	88	P	V
		5455.12	45.2	-8.8	54	33.95	34.7	11.87	35.32	400	88	A	V
	*	5530	103.06	-	-	91.47	34.93	11.96	35.3	400	88	P	V
	*	5530	96.29	-	-	84.7	34.93	11.96	35.3	400	88	A	V
		5750.51	48.7	-19.5	68.2	36.74	35	12.29	35.33	400	88	P	V
		5443.1	55.86	-18.14	74	44.62	34.7	11.86	35.32	100	335	P	H
		5470.05	58.98	-91.02	150	47.6	34.8	11.89	35.31	100	335	P	H
		5459.55	51.14	-2.86	54	39.87	34.7	11.88	35.31	100	335	A	H
	*	5610	109.3	-	-	97.55	35	12.06	35.31	100	335	P	H
802.11ac	*	5610	103.13	-	-	91.38	35	12.06	35.31	100	335	A	H
VHT80		5728.075	66.16	-2.04	68.2	54.23	35	12.25	35.32	100	335	P	H
CH 122		5457.1	49.39	-24.61	74	38.12	34.7	11.88	35.31	100	276	P	V
5610MHz		5464.45	50.27	-17.93	68.2	38.9	34.8	11.88	35.31	100	276	P	V
		5457.45	43.26	-10.74	54	31.99	34.7	11.88	35.31	100	276	A	V
	*	5610	105.21	-	-	93.46	35	12.06	35.31	100	276	P	V
	*	5610	100.09	-	-	88.34	35	12.06	35.31	100	276	A	V
		5729.125	63.81	-4.39	68.2	51.88	35	12.25	35.32	100	276	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	44.1	-29.9	74	46.65	37.9	18.1	58.55	100	0	P	H
		16590	47.08	-21.12	68.2	39.25	41.77	22.45	56.39	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	44.56	-29.44	74	47.11	37.9	18.1	58.55	100	0	P	V
5530MHz		16590	46.58	-21.62	68.2	38.75	41.77	22.45	56.39	100	0	P	V
													V
													V
		11220	44.51	-29.49	74	46.51	37.92	18.25	58.17	100	0	P	H
		16830	48.48	-19.72	68.2	39.82	42.3	22.66	56.3	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	44.48	-29.52	74	46.48	37.92	18.25	58.17	100	0	P	V
5610MHz		16830	48.64	-19.56	68.2	39.98	42.3	22.66	56.3	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5367.94	48.19	-25.81	74	37.18	34.57	11.78	35.34	100	55	P	H
		5465.05	47.65	-20.55	68.2	36.28	34.8	11.88	35.31	100	55	P	H
		5459.59	39.23	-14.77	54	27.96	34.7	11.88	35.31	100	55	A	H
	*	5720	114.22	-	-	102.3	35	12.24	35.32	100	55	P	H
	*	5720	107.42	-	-	95.5	35	12.24	35.32	100	55	A	H
		5855.75	51.9	-16.3	68.2	39.77	35.07	12.4	35.34	100	55	P	H
		5436.19	49.43	-24.57	74	38.2	34.7	11.85	35.32	398	120	P	V
		5465.44	47.74	-20.46	68.2	36.36	34.8	11.89	35.31	398	120	P	V
		5459.98	39.07	-14.93	54	27.8	34.7	11.88	35.31	398	120	A	V
	*	5720	112.18	-	-	100.26	35	12.24	35.32	398	120	P	V
	*	5720	104.93	-	-	93.01	35	12.24	35.32	398	120	A	V
		5879.25	51.09	-17.11	68.2	38.89	35.13	12.41	35.34	398	120	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	44.61	-29.39	74	45.68	38.13	18.44	57.64	100	0	P	H
		17160	51.06	-17.14	68.2	42.71	41.73	22.91	56.29	100	0	P	H
													H
													H
		11440	44.11	-29.89	74	45.18	38.13	18.44	57.64	100	0	P	V
		17160	51.16	-17.04	68.2	42.81	41.73	22.91	56.29	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 802.11ac 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		5454.13	47.84	-26.16	74	36.59	34.7	11.87	35.32	100	52	P	H
		5468.17	49.77	-18.43	68.2	38.39	34.8	11.89	35.31	100	52	P	H
		5458.81	39.23	-14.77	54	27.96	34.7	11.88	35.31	100	52	A	H
	*	5720	115.42	-	-	103.5	35	12.24	35.32	100	52	P	H
	*	5720	108.07	-	-	96.15	35	12.24	35.32	100	52	A	H
		5885.25	50.93	-17.27	68.2	38.73	35.13	12.41	35.34	100	52	P	H
		5455.3	47.63	-26.37	74	36.38	34.7	11.87	35.32	394	97	P	V
		5460.76	47.45	-20.75	68.2	36.18	34.7	11.88	35.31	394	97	P	V
		5459.98	39.25	-14.75	54	27.98	34.7	11.88	35.31	394	97	A	V
	*	5720	111.72	-	-	99.8	35	12.24	35.32	394	97	P	V
	*	5720	104.17	-	-	92.25	35	12.24	35.32	394	97	A	V
		5850.5	51.09	-17.11	68.2	39.03	35	12.4	35.34	394	97	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	44.26	-29.74	74	45.33	38.13	18.44	57.64	100	0	P	H
		17160	50.28	-17.92	68.2	41.93	41.73	22.91	56.29	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	44.21	-29.79	74	45.28	38.13	18.44	57.64	100	0	P	V
5720MHz		17160	51.1	-17.1	68.2	42.75	41.73	22.91	56.29	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 802.11ac 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		5385.88	48.08	-25.92	74	36.99	34.63	11.8	35.34	100	61	P	H
		5467.78	47.15	-21.05	68.2	35.77	34.8	11.89	35.31	100	61	P	H
		5446.33	40.69	-13.31	54	29.45	34.7	11.86	35.32	100	61	A	H
	*	5710	112.26	-	-	100.36	35	12.22	35.32	100	61	P	H
	*	5710	105.74	-	-	93.84	35	12.22	35.32	100	61	A	H
		5856.75	50.36	-17.84	68.2	38.23	35.07	12.4	35.34	100	61	P	H
		5459.98	48.53	-25.47	74	37.26	34.7	11.88	35.31	100	277	P	V
		5459.98	48.53	-25.47	74	37.26	34.7	11.88	35.31	100	277	P	V
		5452.96	40.18	-13.82	54	28.93	34.7	11.87	35.32	100	277	A	V
	*	5710	110.78	-	-	98.88	35	12.22	35.32	100	277	P	V
	*	5710	103.8	-	-	91.9	35	12.22	35.32	100	277	A	V
		5858.25	51.06	-17.14	68.2	38.93	35.07	12.4	35.34	100	277	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	44.76	-29.24	74	45.91	38.12	18.42	57.69	100	0	P	H
		17130	50.47	-17.73	68.2	41.99	41.87	22.89	56.28	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	44.52	-29.48	74	45.67	38.12	18.42	57.69	100	0	P	V
5710MHz		17130	49.79	-18.41	68.2	41.31	41.87	22.89	56.28	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5417.08	48.94	-25.06	74	37.74	34.7	11.83	35.33	100	335	P	H
		5461.93	47.34	-20.86	68.2	36.07	34.7	11.88	35.31	100	335	P	H
		5458	41.32	-12.68	54	30.05	34.7	11.88	35.31	100	335	A	H
	*	5690	109.81	-	-	97.94	35	12.19	35.32	100	335	P	H
802.11ac	*	5690	102.91	-	-	91.04	35	12.19	35.32	100	335	A	H
VHT80		5859.7	54.29	-13.91	68.2	42.16	35.07	12.4	35.34	100	335	P	H
CH 138		5435.8	47.26	-26.74	74	36.03	34.7	11.85	35.32	100	277	P	V
5690MHz		5462.71	48.19	-20.01	68.2	36.82	34.8	11.88	35.31	100	277	P	V
		5453.74	40.74	-13.26	54	29.49	34.7	11.87	35.32	100	277	A	V
	*	5690	106.81	-	-	94.94	35	12.19	35.32	100	277	P	V
	*	5690	101.14	-	-	89.27	35	12.19	35.32	100	277	A	V
		5853.1	55.97	-12.23	68.2	43.91	35	12.4	35.34	100	277	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	43.94	-30.06	74	45.27	38.08	18.38	57.79	100	0	P	H
		17070	49.52	-18.68	68.2	40.87	42.07	22.84	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	44.84	-29.16	74	46.17	38.08	18.38	57.79	100	0	P	V
5690MHz		17070	49.28	-18.92	68.2	40.63	42.07	22.84	56.26	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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		81.03	28.53	-11.47	40	43.36	13.46	1.69	29.98	-	-	P	H
		99.93	32.95	-10.55	43.5	45.12	15.96	1.84	29.97	-	-	P	H
		166.08	34.68	-8.82	43.5	46.32	15.92	2.38	29.94	100	0	P	H
		345.5	30.94	-15.06	46	37.36	20.13	3.34	29.89	-	-	P	H
		458.9	30.45	-15.55	46	33.26	23.24	3.82	29.87	-	-	P	H
		957.3	34.41	-11.59	46	26.95	30.47	5.65	28.66	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		30.27	33.83	-6.17	40	38.55	24.32	0.97	30.01	100	0	P	V
		81.84	33.48	-6.52	40	48.31	13.46	1.69	29.98	-	-	P	V
		118.56	32.19	-11.31	43.5	42.83	17.36	1.96	29.96	-	-	P	V
		449.8	30.77	-15.23	46	33.75	23.1	3.8	29.88	-	-	P	V
		782.3	31.35	-14.65	46	28	27.81	5.03	29.49	-	-	P	V
		953.8	34.02	-11.98	46	26.64	30.42	5.64	28.68	-	-	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".

<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)
		5143.78	62.49	-11.51	74	51.96	34.4	11.55	35.42	100	155	P	H
		5148.46	50.54	-3.46	54	40	34.4	11.56	35.42	100	155	A	H
	*	5180	114.48	-	-	103.84	34.47	11.58	35.41	100	155	P	H
	*	5180	104.83	-	-	94.19	34.47	11.58	35.41	100	155	A	H
802.11ac													H
VHT20													H
CH 36		5143	55.68	-18.32	74	45.15	34.4	11.55	35.42	100	314	P	V
5180MHz		5150	48.1	-5.9	54	37.56	34.4	11.56	35.42	100	314	A	V
	*	5180	109.04	-	-	98.4	34.47	11.58	35.41	100	314	P	V
	*	5180	100.01	-	-	89.37	34.47	11.58	35.41	100	314	A	V
													V
													V
		5145.34	51.25	-22.75	74	40.72	34.4	11.55	35.42	100	204	P	H
		5149.24	42.89	-11.11	54	32.35	34.4	11.56	35.42	100	204	A	H
	*	5220	115.3	-	-	104.58	34.5	11.62	35.4	100	204	P	H
	*	5220	107.44	-	-	96.72	34.5	11.62	35.4	100	204	A	H
802.11ac		5355.28	50.31	-23.69	74	39.4	34.5	11.76	35.35	100	204	P	H
VHT20		5376.28	42.12	-11.88	54	31.1	34.57	11.79	35.34	100	204	A	H
CH 44		5123.5	50.47	-23.53	74	40	34.37	11.53	35.43	376	288	P	V
5220MHz		5145.86	41.92	-12.08	54	31.39	34.4	11.55	35.42	376	288	A	V
	*	5220	111.87	-	-	101.15	34.5	11.62	35.4	376	288	P	V
	*	5220	103.93	-	-	93.21	34.5	11.62	35.4	376	288	A	V
		5360.04	49.9	-24.1	74	38.98	34.5	11.77	35.35	376	288	P	V
		5452.72	41.19	-12.81	54	29.94	34.7	11.87	35.32	376	288	A	V

		5144.82	51.58	-22.42	74	41.05	34.4	11.55	35.42	100	204	P	H
		5148.46	44.23	-9.77	54	33.69	34.4	11.56	35.42	100	204	P	H
	*	5240	117.83	-	-	107.08	34.5	11.64	35.39	100	204	P	H
	*	5240	109.45	-	-	98.7	34.5	11.64	35.39	100	204	A	H
802.11ac		5374.04	49.24	-24.76	74	38.23	34.57	11.78	35.34	100	204	P	H
VHT20		5350	41.83	-12.17	54	30.92	34.5	11.76	35.35	100	204	A	H
CH 48		5148.46	49.84	-24.16	74	39.3	34.4	11.56	35.42	376	289	P	V
5240MHz		5147.94	41.82	-12.18	54	31.28	34.4	11.56	35.42	376	289	A	V
	*	5240	112.95	-	-	102.2	34.5	11.64	35.39	376	289	P	V
	*	5240	104.83	-	-	94.08	34.5	11.64	35.39	376	289	A	V
		5458.6	49.44	-24.56	74	38.17	34.7	11.88	35.31	376	289	P	V
		5350.24	40.52	-13.48	54	29.61	34.5	11.76	35.35	376	289	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	42.97	-25.23	68.2	46.95	37.47	17.58	59.03	100	0	P	H
		15540	45.93	-28.07	74	40.95	40.1	21.65	56.77	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	42.83	-25.37	68.2	46.81	37.47	17.58	59.03	100	0	P	V
5180MHz		15540	44.94	-29.06	74	39.96	40.1	21.65	56.77	100	0	P	V
													V
													V
		10440	44	-24.2	68.2	47.79	37.53	17.65	58.97	100	0	P	H
		15660	45.61	-28.39	74	40.18	40.45	21.73	56.75	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	43.9	-24.3	68.2	47.69	37.53	17.65	58.97	100	0	P	V
5220MHz		15660	46.08	-27.92	74	40.65	40.45	21.73	56.75	100	0	P	V
													V
													V
		10480	44.44	-23.76	68.2	48.12	37.58	17.68	58.94	100	0	P	H
		15720	48.19	-25.81	74	42.59	40.58	21.76	56.74	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	44.64	-23.56	68.2	48.32	37.58	17.68	58.94	100	0	P	V
5240MHz		15720	47.19	-26.81	74	41.59	40.58	21.76	56.74	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)
		5146.9	58.66	-15.34	74	48.13	34.4	11.55	35.42	100	154	P	H
		5149.76	50.97	-3.03	54	40.43	34.4	11.56	35.42	100	154	A	H
	*	5190	108.96	-	-	98.31	34.47	11.59	35.41	100	154	P	H
	*	5190	101.83	-	-	91.18	34.47	11.59	35.41	100	154	A	H
802.11ac		5412.96	48.58	-25.42	74	37.39	34.7	11.82	35.33	100	154	P	H
VHT40		5414.36	40.82	-13.18	54	29.62	34.7	11.83	35.33	100	154	A	H
CH 38		5150	53.57	-20.43	74	43.03	34.4	11.56	35.42	100	313	P	V
5190MHz		5148.72	46.62	-7.38	54	36.08	34.4	11.56	35.42	100	313	A	V
	*	5190	105.36	-	-	94.71	34.47	11.59	35.41	100	313	P	V
	*	5190	96.87	-	-	86.22	34.47	11.59	35.41	100	313	A	V
		5439	48.54	-25.46	74	37.31	34.7	11.85	35.32	100	313	P	V
		5458.04	40.22	-13.78	54	28.95	34.7	11.88	35.31	100	313	A	V
		5131.56	51.77	-22.23	74	41.29	34.37	11.54	35.43	100	156	P	H
		5150	44.37	-9.63	54	33.83	34.4	11.56	35.42	100	156	A	H
	*	5230	112.59	-	-	101.85	34.5	11.63	35.39	100	156	P	H
	*	5230	104.04	-	-	93.3	34.5	11.63	35.39	100	156	A	H
802.11ac		5350.8	51.59	-22.41	74	40.68	34.5	11.76	35.35	100	156	P	H
VHT40		5350	43.36	-10.64	54	32.45	34.5	11.76	35.35	100	156	A	H
CH 46		5147.42	50.11	-23.89	74	39.57	34.4	11.56	35.42	100	317	P	V
5230MHz		5144.3	42.9	-11.1	54	32.37	34.4	11.55	35.42	100	317	A	V
	*	5230	106.45	-	-	95.71	34.5	11.63	35.39	100	317	P	V
	*	5230	99.54	-	-	88.8	34.5	11.63	35.39	100	317	A	V
		5404	49.11	-24.89	74	37.93	34.7	11.81	35.33	100	317	P	V
		5358.08	40.41	-13.59	54	29.49	34.5	11.77	35.35	100	317	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	43.43	-24.77	68.2	47.37	37.48	17.6	59.02	100	0	P	H
		15570	46.16	-27.84	74	41.05	40.2	21.68	56.77	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	44.03	-24.17	68.2	47.97	37.48	17.6	59.02	100	0	P	V
5190MHz		15570	45.96	-28.04	74	40.85	40.2	21.68	56.77	100	0	P	V
													V
													V
		10460	45.07	-23.13	68.2	48.82	37.55	17.66	58.96	100	0	P	H
		15690	47.68	-26.32	74	42.13	40.55	21.75	56.75	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	45.42	-22.78	68.2	49.17	37.55	17.66	58.96	100	0	P	V
5230MHz		15690	47.05	-26.95	74	41.5	40.55	21.75	56.75	100	0	P	V
													V
													V

Remark

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

Band 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		5150	57.05	-16.95	74	46.51	34.4	11.56	35.42	100	156	P	H
		5144.56	52.69	-1.31	54	42.16	34.4	11.55	35.42	100	156	A	H
	*	5210	105.82	-	-	95.11	34.5	11.61	35.4	100	156	P	H
	*	5210	98.09	-	-	87.38	34.5	11.61	35.4	100	156	A	H
		5357.8	48.79	-25.21	74	37.87	34.5	11.77	35.35	100	156	P	H
		5352.48	41.51	-12.49	54	30.6	34.5	11.76	35.35	100	156	A	H
		5144.56	54.99	-19.01	74	44.46	34.4	11.55	35.42	100	319	P	V
		5149.76	48.46	-5.54	54	37.92	34.4	11.56	35.42	100	319	A	V
	*	5210	100.62	-	-	89.91	34.5	11.61	35.4	100	319	P	V
	*	5210	93.28	-	-	82.57	34.5	11.61	35.4	100	319	A	V
		5372.08	47.98	-26.02	74	36.97	34.57	11.78	35.34	100	319	P	V
		5365.36	40.24	-13.76	54	29.25	34.57	11.77	35.35	100	319	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	44.37	-23.83	68.2	48.21	37.52	17.63	58.99	100	0	P	H
		15630	45.59	-28.41	74	40.24	40.4	21.71	56.76	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	44.39	-23.81	68.2	48.23	37.52	17.63	58.99	100	0	P	V
5210MHz		15630	45.94	-28.06	74	40.59	40.4	21.71	56.76	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)
		5142.45	50.21	-23.79	74	39.68	34.4	11.55	35.42	100	202	P	H
		5145.6	41.87	-12.13	54	31.34	34.4	11.55	35.42	100	202	A	H
	*	5260	117.21	-	-	106.36	34.57	11.66	35.38	100	202	P	H
	*	5260	109.15	-	-	98.3	34.57	11.66	35.38	100	202	A	H
802.11ac		5354.16	49.17	-24.83	74	38.26	34.5	11.76	35.35	100	202	P	H
VHT20		5350.32	44.08	-9.92	54	33.17	34.5	11.76	35.35	100	202	P	H
CH 52		5138.95	48.72	-25.28	74	38.22	34.37	11.55	35.42	394	285	P	V
5260MHz		5150	41.36	-12.64	54	30.82	34.4	11.56	35.42	394	285	A	V
	*	5260	113.49	-	-	102.64	34.57	11.66	35.38	394	285	P	V
	*	5260	105.05	-	-	94.2	34.57	11.66	35.38	394	285	A	V
		5381.04	48.89	-25.11	74	37.81	34.63	11.79	35.34	394	285	P	V
		5350.32	41.38	-12.62	54	30.47	34.5	11.76	35.35	394	285	A	V
		5059.5	48.97	-25.03	74	38.77	34.17	11.48	35.45	100	207	P	H
		5147	40.85	-13.15	54	30.32	34.4	11.55	35.42	100	207	A	H
	*	5300	114.49	-	-	103.46	34.7	11.7	35.37	100	207	P	H
	*	5300	106.84	-	-	95.81	34.7	11.7	35.37	100	207	A	H
802.11ac		5353.2	55.59	-18.41	74	44.68	34.5	11.76	35.35	100	207	P	H
VHT20		5354.88	46.75	-7.25	54	35.84	34.5	11.76	35.35	100	207	A	H
CH 60		5029.4	48.7	-25.3	74	38.61	34.1	11.45	35.46	400	235	P	V
5300MHz		5126.35	40.7	-13.3	54	30.22	34.37	11.54	35.43	400	235	A	V
	*	5300	108.94	-	-	97.91	34.7	11.7	35.37	400	235	P	V
	*	5300	101.07	-	-	90.04	34.7	11.7	35.37	400	235	A	V
		5417.52	49.37	-24.63	74	38.17	34.7	11.83	35.33	400	235	P	V
		5350.08	41.26	-12.74	54	30.35	34.5	11.76	35.35	400	235	A	V

	*	5320	114.89	-	-	103.89	34.63	11.73	35.36	100	154	P	H
	*	5320	107.22	-	-	96.22	34.63	11.73	35.36	100	154	A	H
		5355.68	54.96	-19.04	74	44.05	34.5	11.76	35.35	100	154	P	H
		5350.08	46.52	-7.48	54	35.61	34.5	11.76	35.35	100	154	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	109.21	-	-	98.21	34.63	11.73	35.36	100	322	P	V
5320MHz	*	5320	100.86	-	-	89.86	34.63	11.73	35.36	100	322	A	V
		5367.2	50.07	-23.93	74	39.07	34.57	11.78	35.35	100	322	P	V
		5366.4	42.17	-11.83	54	31.18	34.57	11.77	35.35	100	322	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	44.55	-23.65	68.2	48.17	37.6	17.7	58.92	100	0	P	H
		15780	47.04	-26.96	74	41.45	40.53	21.8	56.74	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	43.98	-24.22	68.2	47.6	37.6	17.7	58.92	100	0	P	V
5260MHz		15780	46.28	-27.72	74	40.69	40.53	21.8	56.74	100	0	P	V
													V
													V
		10600	44.13	-29.87	74	47.65	37.6	17.76	58.88	100	0	P	H
		15900	47.24	-26.76	74	41.27	40.8	21.89	56.72	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	44.91	-29.09	74	48.43	37.6	17.76	58.88	100	0	P	V
5300MHz		15900	48.37	-25.63	74	42.4	40.8	21.89	56.72	100	0	P	V
													V
													V
		10640	44.28	-29.72	74	47.72	37.63	17.79	58.86	100	0	P	H
		15960	45.19	-28.81	74	39.17	40.8	21.93	56.71	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	44.35	-29.65	74	47.79	37.63	17.79	58.86	100	0	P	V
5320MHz		15960	45.36	-28.64	74	39.34	40.8	21.93	56.71	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)
		5111.3	49.77	-24.23	74	39.35	34.33	11.52	35.43	100	155	P	H
		5147.35	41.75	-12.25	54	31.21	34.4	11.56	35.42	100	155	A	H
	*	5270	112.61	-	-	101.75	34.57	11.67	35.38	100	155	P	H
	*	5270	105.1	-	-	94.24	34.57	11.67	35.38	100	155	A	H
802.11ac		5352	54.54	-19.46	74	43.63	34.5	11.76	35.35	100	155	P	H
VHT40		5352.72	46.79	-7.21	54	35.88	34.5	11.76	35.35	100	155	A	H
CH 54		5147	49.69	-24.31	74	39.16	34.4	11.55	35.42	100	321	P	V
5270MHz		5149.45	40.74	-13.26	54	30.2	34.4	11.56	35.42	100	321	A	V
	*	5270	106.85	-	-	95.99	34.57	11.67	35.38	100	321	P	V
	*	5270	98.7	-	-	87.84	34.57	11.67	35.38	100	321	A	V
		5354.64	49.25	-24.75	74	38.34	34.5	11.76	35.35	100	321	P	V
		5350.8	41.97	-12.03	54	31.06	34.5	11.76	35.35	100	321	A	V
		5116.2	49.43	-24.57	74	39	34.33	11.53	35.43	100	156	P	H
		5128.8	40.71	-13.29	54	30.23	34.37	11.54	35.43	100	156	A	H
	*	5310	109.98	-	-	98.99	34.63	11.72	35.36	100	156	P	H
	*	5310	102.45	-	-	91.46	34.63	11.72	35.36	100	156	A	H
802.11ac		5352.48	57.51	-16.49	74	46.6	34.5	11.76	35.35	100	156	P	H
VHT40		5350.08	52.08	-1.92	54	41.17	34.5	11.76	35.35	100	156	A	H
CH 62		5129.15	49.6	-24.4	74	39.12	34.37	11.54	35.43	100	318	P	V
5310MHz		5121.8	40.48	-13.52	54	30.05	34.33	11.53	35.43	100	318	A	V
	*	5310	104.11	-	-	93.12	34.63	11.72	35.36	100	318	P	V
	*	5310	97.13	-	-	86.14	34.63	11.72	35.36	100	318	A	V
		5351.04	53.3	-20.7	74	42.39	34.5	11.76	35.35	100	318	P	V
		5350.08	46.33	-7.67	54	35.42	34.5	11.76	35.35	100	318	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	44.66	-23.54	68.2	48.26	37.6	17.71	58.91	100	0	P	H
		15810	52.72	-21.28	74	47.13	40.5	21.82	56.73	200	25	P	H
802.11ac		15810	43.99	-10.01	54	38.4	40.5	21.82	56.73	200	25	A	H
VHT40													H
CH 54		10540	43.92	-24.28	68.2	47.52	37.6	17.71	58.91	100	0	P	V
5270MHz		15810	51.23	-22.77	74	45.64	40.5	21.82	56.73	110	116	P	V
		15810	42.22	-11.78	54	36.63	40.5	21.82	56.73	110	116	A	V
													V
		10620	43.94	-30.06	74	47.41	37.62	17.78	58.87	100	0	P	H
		15930	46.58	-27.42	74	40.58	40.8	21.91	56.71	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	44.19	-29.81	74	47.66	37.62	17.78	58.87	100	0	P	V
5310MHz		15930	46.12	-27.88	74	40.12	40.8	21.91	56.71	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)
802.11ac VHT80 CH 58 5290MHz		5108.85	50.14	-23.86	74	39.72	34.33	11.52	35.43	100	156	P	H
		5131.6	40.95	-13.05	54	30.47	34.37	11.54	35.43	100	156	A	H
	*	5290	104.57	-	-	93.62	34.63	11.69	35.37	100	156	P	H
	*	5290	97.42	-	-	86.47	34.63	11.69	35.37	100	156	A	H
		5356.08	59.71	-14.29	74	48.8	34.5	11.76	35.35	100	156	P	H
		5350.32	52.41	-1.59	54	41.5	34.5	11.76	35.35	100	156	A	H
		5144.2	49.76	-24.24	74	39.23	34.4	11.55	35.42	394	80	P	V
		5145.6	41.28	-12.72	54	30.75	34.4	11.55	35.42	394	80	A	V
	*	5290	103.07	-	-	92.12	34.63	11.69	35.37	394	80	P	V
	*	5290	95.56	-	-	84.61	34.63	11.69	35.37	394	80	A	V
		5350.8	58.69	-15.31	74	47.78	34.5	11.76	35.35	394	80	P	V
		5351.76	51.35	-2.65	54	40.44	34.5	11.76	35.35	394	80	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	44.36	-23.84	68.2	47.9	37.6	17.75	58.89	100	0	P	H
		15870	46.42	-27.58	74	40.53	40.74	21.87	56.72	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	44	-24.2	68.2	47.54	37.6	17.75	58.89	100	0	P	V
5290MHz		15870	46.26	-27.74	74	40.37	40.74	21.87	56.72	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)
		5459.28	53.64	-20.36	74	42.37	34.7	11.88	35.31	102	144	P	H
		5467.12	52.56	-15.64	68.2	41.18	34.8	11.89	35.31	102	144	P	H
		5456.88	46.06	-7.94	54	34.79	34.7	11.88	35.31	102	144	A	H
	*	5500	115.75	-	-	104.12	35	11.93	35.3	102	144	P	H
802.11ac	*	5500	107.65	-	-	96.02	35	11.93	35.3	102	144	A	H
VHT20													H
CH 100		5453.36	49.43	-24.57	74	38.18	34.7	11.87	35.32	108	118	P	V
5500MHz		5466.64	48.7	-19.5	68.2	37.32	34.8	11.89	35.31	108	118	P	V
		5452.72	43.39	-10.61	54	32.14	34.7	11.87	35.32	108	118	A	V
	*	5500	110.14	-	-	98.51	35	11.93	35.3	108	118	P	V
	*	5500	102.54	-	-	90.91	35	11.93	35.3	108	118	A	V
													V
		5451.28	49.14	-24.86	74	37.89	34.7	11.87	35.32	100	146	P	H
		5460.4	48.62	-19.58	68.2	37.35	34.7	11.88	35.31	100	146	P	H
		5454.64	41.82	-12.18	54	30.57	34.7	11.87	35.32	100	146	A	H
	*	5500	114.72	-	-	103.09	35	11.93	35.3	100	146	P	H
802.11ac	*	5500	107.11	-	-	95.48	35	11.93	35.3	100	146	A	H
VHT20		5753.975	48.97	-19.23	68.2	37.01	35	12.29	35.33	100	146	P	H
CH 116		5438.32	48.03	-25.97	74	36.8	34.7	11.85	35.32	100	117	P	V
5580MHz		5465.92	48.29	-19.91	68.2	36.91	34.8	11.89	35.31	100	117	P	V
		5452.72	42.15	-11.85	54	30.9	34.7	11.87	35.32	100	117	A	V
	*	5580	111.45	-	-	99.87	34.87	12.02	35.31	100	117	P	V
	*	5580	102.1	-	-	90.52	34.87	12.02	35.31	100	117	A	V
		5728.145	50.02	-18.18	68.2	38.09	35	12.25	35.32	100	117	P	V

	*	5700	114.83	-	-	102.95	35	12.2	35.32	100	135	P	H
	*	5700	106.65	-	-	94.77	35	12.2	35.32	100	135	A	H
		5728.52	58.67	-9.53	68.2	46.74	35	12.25	35.32	100	135	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	112.86	-	-	100.98	35	12.2	35.32	100	121	P	V
5700MHz	*	5700	104.42	-	-	92.54	35	12.2	35.32	100	121	A	V
		5737.64	55.63	-12.57	68.2	43.68	35	12.27	35.32	100	121	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	45.28	-28.72	74	48.02	37.9	18.05	58.69	100	0	P	H
		16500	58.69	-9.51	68.2	51.13	41.6	22.38	56.42	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	45.1	-28.9	74	47.84	37.9	18.05	58.69	100	0	P	V
5500MHz		16500	60.32	-7.88	68.2	52.76	41.6	22.38	56.42	100	0	P	V
													V
													V
		11160	46.9	-27.1	74	49.12	37.9	18.19	58.31	100	0	P	H
		16740	47.38	-20.82	68.2	38.77	42.36	22.58	56.33	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	47	-27	74	49.22	37.9	18.19	58.31	100	0	P	V
5580MHz		16740	48.02	-20.18	68.2	39.41	42.36	22.58	56.33	100	0	P	V
													V
													V
		11400	45.74	-28.26	74	46.97	38.1	18.41	57.74	100	0	P	H
		17100	53	-15.2	68.2	44.4	42	22.87	56.27	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	46.57	-27.43	74	47.8	38.1	18.41	57.74	100	0	P	V
5700MHz		17100	53.23	-14.97	68.2	44.63	42	22.87	56.27	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)
		5459.68	60.28	-13.72	74	49.01	34.7	11.88	35.31	101	144	P	H
		5469.52	64.38	-3.82	68.2	53	34.8	11.89	35.31	101	144	P	H
		5459.92	52.4	-1.6	54	41.13	34.7	11.88	35.31	101	144	A	H
	*	5510	111.69	-	-	100.05	35	11.94	35.3	101	144	P	H
802.11ac	*	5510	104.27	-	-	92.63	35	11.94	35.3	101	144	A	H
VHT40		5741.06	49.82	-18.38	68.2	37.87	35	12.27	35.32	101	144	P	H
CH 102		5459.68	51.74	-22.26	74	40.47	34.7	11.88	35.31	103	315	P	V
5510MHz		5466.64	54.48	-13.72	68.2	43.1	34.8	11.89	35.31	103	315	P	V
		5459.92	45.76	-8.24	54	34.49	34.7	11.88	35.31	103	315	A	V
	*	5510	104.33	-	-	92.69	35	11.94	35.3	103	315	P	V
	*	5510	98.12	-	-	86.48	35	11.94	35.3	103	315	A	V
		5764.685	48.82	-19.38	68.2	36.84	35	12.31	35.33	103	315	P	V
		5453.2	50.4	-23.6	74	39.15	34.7	11.87	35.32	102	139	P	H
		5469.76	51.13	-17.07	68.2	39.75	34.8	11.89	35.31	102	139	P	H
		5459.2	43.45	-10.55	54	32.18	34.7	11.88	35.31	102	139	A	H
	*	5550	110.62	-	-	99.15	34.8	11.98	35.31	102	139	P	H
802.11ac	*	5550	104.22	-	-	92.75	34.8	11.98	35.31	102	139	A	H
VHT40		5751.455	50.37	-17.83	68.2	38.41	35	12.29	35.33	102	139	P	H
CH 110		5453.68	47.95	-26.05	74	36.7	34.7	11.87	35.32	103	320	P	V
5550MHz		5465.68	47.38	-20.82	68.2	36	34.8	11.89	35.31	103	320	P	V
		5453.92	42.64	-11.36	54	31.39	34.7	11.87	35.32	103	320	A	V
	*	5550	103.8	-	-	92.33	34.8	11.98	35.31	103	320	P	V
	*	5550	97.43	-	-	85.96	34.8	11.98	35.31	103	320	A	V
		5750.51	49.43	-18.77	68.2	37.47	35	12.29	35.33	103	320	P	V

		5450.8	50.15	-23.85	74	38.9	34.7	11.87	35.32	100	139	P	H
		5470	47.82	-20.38	68.2	36.44	34.8	11.89	35.31	100	139	P	H
		5452.55	40.5	-13.5	54	29.25	34.7	11.87	35.32	100	139	A	H
	*	5670	110.62	-	-	98.93	34.85	12.16	35.32	100	139	P	H
802.11ac	*	5670	103.61	-	-	91.92	34.85	12.16	35.32	100	139	A	H
VHT40		5726.15	54.78	-13.42	68.2	42.85	35	12.25	35.32	100	139	P	H
CH 134		5444.15	48.15	-25.85	74	36.91	34.7	11.86	35.32	100	118	P	V
5670MHz		5462	47.17	-21.03	68.2	35.9	34.7	11.88	35.31	100	118	P	V
		5452.9	40.65	-13.35	54	29.4	34.7	11.87	35.32	100	118	A	V
	*	5670	107.54	-	-	95.85	34.85	12.16	35.32	100	118	P	V
	*	5670	100.76	-	-	89.07	34.85	12.16	35.32	100	118	A	V
		5727.2	54.08	-14.12	68.2	42.15	35	12.25	35.32	100	118	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	44.78	-29.22	74	47.46	37.9	18.06	58.64	100	0	P	H
		16530	58.39	-9.81	68.2	50.73	41.67	22.4	56.41	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	44.67	-29.33	74	47.35	37.9	18.06	58.64	100	0	P	V
5510MHz		16530	59	-9.2	68.2	51.34	41.67	22.4	56.41	100	0	P	V
													V
													V
		11100	44.88	-29.12	74	47.3	37.9	18.13	58.45	100	0	P	H
		16650	57.09	-11.11	68.2	48.86	42.1	22.5	56.37	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	44.35	-29.65	74	46.77	37.9	18.13	58.45	100	0	P	V
5550MHz		16650	58.31	-9.89	68.2	50.08	42.1	22.5	56.37	100	0	P	V
													V
													V
		11340	45.06	-28.94	74	46.56	38.03	18.35	57.88	100	0	P	H
		17010	51.5	-16.7	68.2	42.76	42.17	22.81	56.24	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	46.77	-27.23	74	48.27	38.03	18.35	57.88	100	0	P	V
5670MHz		17010	55.96	-12.24	68.2	47.22	42.17	22.81	56.24	100	0	P	V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.08	56.2	-17.8	74	44.94	34.7	11.87	35.31	100	146	P	H
		5466.88	58.16	-10.04	68.2	46.78	34.8	11.89	35.31	100	146	P	H
		5459.92	51.19	-2.81	54	39.92	34.7	11.88	35.31	100	146	A	H
	*	5530	105.49	-	-	93.9	34.93	11.96	35.3	100	146	P	H
802.11ac	*	5530	98.99	-	-	87.4	34.93	11.96	35.3	100	146	A	H
VHT80		5758.07	48.71	-19.49	68.2	36.74	35	12.3	35.33	100	146	P	H
CH 106		5458	50.73	-23.27	74	39.46	34.7	11.88	35.31	400	274	P	V
5530MHz		5469.04	51.24	-16.96	68.2	39.86	34.8	11.89	35.31	400	274	P	V
		5452.96	43.95	-10.05	54	32.7	34.7	11.87	35.32	400	274	A	V
	*	5530	101.65	-	-	90.06	34.93	11.96	35.3	400	274	P	V
	*	5530	95.05	-	-	83.46	34.93	11.96	35.3	400	274	A	V
		5730.98	48.43	-19.77	68.2	36.49	35	12.26	35.32	400	274	P	V
		5455.7	57.23	-16.77	74	45.98	34.7	11.87	35.32	100	139	P	H
		5469.35	57.75	-10.45	68.2	46.37	34.8	11.89	35.31	100	139	P	H
		5459.2	49.32	-4.68	54	38.05	34.7	11.88	35.31	100	139	A	H
	*	5610	108.9	-	-	97.15	35	12.06	35.31	100	139	P	H
802.11ac	*	5610	102.28	-	-	90.53	35	12.06	35.31	100	139	A	H
VHT80		5726.675	62.75	-5.45	68.2	50.82	35	12.25	35.32	100	139	P	H
CH 122		5458.5	52.11	-21.89	74	40.84	34.7	11.88	35.31	100	118	P	V
5610MHz		5469.7	55.09	-13.11	68.2	43.71	34.8	11.89	35.31	100	118	P	V
		5459.55	44.91	-9.09	54	33.64	34.7	11.88	35.31	100	118	A	V
	*	5610	107.33	-	-	95.58	35	12.06	35.31	100	118	P	V
	*	5610	99.71	-	-	87.96	35	12.06	35.31	100	118	A	V
		5731.225	62.54	-5.66	68.2	50.6	35	12.26	35.32	100	118	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	43.84	-30.16	74	46.39	37.9	18.1	58.55	100	0	P	H
		16590	47.26	-20.94	68.2	39.43	41.77	22.45	56.39	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	44.69	-29.31	74	47.24	37.9	18.1	58.55	100	0	P	V
5530MHz		16590	47.79	-20.41	68.2	39.96	41.77	22.45	56.39	100	0	P	V
													V
													V
		11220	45.03	-28.97	74	47.03	37.92	18.25	58.17	100	0	P	H
		16830	49.67	-18.53	68.2	41.01	42.3	22.66	56.3	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	45.61	-28.39	74	47.61	37.92	18.25	58.17	100	0	P	V
5610MHz		16830	48.98	-19.22	68.2	40.32	42.3	22.66	56.3	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5447.89	50.15	-23.85	74	38.9	34.7	11.87	35.32	100	138	P	H
		5468.95	47.83	-20.37	68.2	36.45	34.8	11.89	35.31	100	138	P	H
		5448.67	40.35	-13.65	54	29.1	34.7	11.87	35.32	100	138	A	H
	*	5720	116.14	-	-	104.22	35	12.24	35.32	100	138	P	H
802.11ac	*	5720	108.37	-	-	96.45	35	12.24	35.32	100	138	A	H
VHT20		5877.5	50.66	-17.54	68.2	38.46	35.13	12.41	35.34	100	138	P	H
CH 144		5405.77	48.86	-25.14	74	37.67	34.7	11.82	35.33	100	118	P	V
5720MHz		5465.05	47.03	-21.17	68.2	35.66	34.8	11.88	35.31	100	118	P	V
		5456.08	40.05	-13.95	54	28.79	34.7	11.87	35.31	100	118	A	V
	*	5720	114.7	-	-	102.78	35	12.24	35.32	100	118	P	V
	*	5720	107.01	-	-	95.09	35	12.24	35.32	100	118	A	V
		5919.25	52.06	-16.14	68.2	39.77	35.2	12.43	35.34	100	118	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	45.68	-28.32	74	46.75	38.13	18.44	57.64	100	0	P	H
		17160	50.56	-17.64	68.2	42.21	41.73	22.91	56.29	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	46.63	-27.37	74	47.7	38.13	18.44	57.64	100	0	P	V
5720MHz		17160	52.77	-15.43	68.2	44.42	41.73	22.91	56.29	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 802.11ac 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		5441.26	49.47	-24.53	74	38.23	34.7	11.86	35.32	100	141	P	H
		5469.34	48.56	-19.64	68.2	37.18	34.8	11.89	35.31	100	141	P	H
		5459.59	40.28	-13.72	54	29.01	34.7	11.88	35.31	100	141	A	H
	*	5710	112.26	-	-	100.36	35	12.22	35.32	100	141	P	H
	*	5710	105.56	-	-	93.66	35	12.22	35.32	100	141	A	H
		5902.5	51.44	-16.76	68.2	39.16	35.2	12.42	35.34	100	141	P	H
		5454.52	48.56	-25.44	74	37.31	34.7	11.87	35.32	100	123	P	V
		5465.05	47.52	-20.68	68.2	36.15	34.8	11.88	35.31	100	123	P	V
		5456.47	40.01	-13.99	54	28.75	34.7	11.87	35.31	100	123	A	V
	*	5710	111.68	-	-	99.78	35	12.22	35.32	100	123	P	V
	*	5710	104.14	-	-	92.24	35	12.22	35.32	100	123	A	V
		5861.25	53.18	-15.02	68.2	41.05	35.07	12.4	35.34	100	123	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	45.2	-28.8	74	46.35	38.12	18.42	57.69	100	0	P	H
		17130	50.03	-18.17	68.2	41.55	41.87	22.89	56.28	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	46.36	-27.64	74	47.51	38.12	18.42	57.69	100	0	P	V
5710MHz		17130	53.55	-14.65	68.2	45.07	41.87	22.89	56.28	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)
		5456.08	49.92	-24.08	74	38.66	34.7	11.87	35.31	103	130	P	H
		5466.61	49.78	-18.42	68.2	38.4	34.8	11.89	35.31	103	130	P	H
		5459.59	41.89	-12.11	54	30.62	34.7	11.88	35.31	103	130	A	H
	*	5690	109.17	-	-	97.3	35	12.19	35.32	103	130	P	H
802.11ac	*	5690	102.18	-	-	90.31	35	12.19	35.32	103	130	A	H
VHT80		5856.4	56.2	-12	68.2	44.07	35.07	12.4	35.34	103	130	P	H
CH 138		5420.59	49.74	-24.26	74	38.54	34.7	11.83	35.33	100	120	P	V
5690MHz		5465.44	51.1	-17.1	68.2	39.72	34.8	11.89	35.31	100	120	P	V
		5451.79	42.54	-11.46	54	31.29	34.7	11.87	35.32	100	120	A	V
	*	5690	107.4	-	-	95.53	35	12.19	35.32	100	120	P	V
	*	5690	100.47	-	-	88.6	35	12.19	35.32	100	120	A	V
		5852.8	59.96	-8.24	68.2	47.9	35	12.4	35.34	100	120	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	44.51	-29.49	74	45.84	38.08	18.38	57.79	100	0	P	H
		17070	51.04	-17.16	68.2	42.39	42.07	22.84	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	46.2	-27.8	74	47.53	38.08	18.38	57.79	100	0	P	V
5690MHz		17070	52.18	-16.02	68.2	43.53	42.07	22.84	56.26	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

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)
		55.38	29.84	-10.16	40	46.2	12.27	1.36	29.99	-	-	P	H
		96.69	35.03	-8.47	43.5	47.51	15.67	1.82	29.97	100	0	P	H
		172.83	33.13	-10.37	43.5	45.29	15.34	2.44	29.94	-	-	P	H
		332.9	32.17	-13.83	46	39.04	19.76	3.26	29.89	-	-	P	H
		722.1	33.89	-12.11	46	31.89	26.84	4.78	29.62	-	-	P	H
		950.3	34.02	-11.98	46	26.83	30.26	5.63	28.7	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		30.27	33.59	-6.41	40	38.31	24.32	0.97	30.01	-	-	P	V
LF		78.06	33.63	-6.37	40	48.8	13.15	1.66	29.98	100	0	P	V
		103.98	32.83	-10.67	43.5	44.35	16.59	1.86	29.97	-	-	P	V
		731.9	29.36	-16.64	46	26.86	27.29	4.81	29.6	-	-	P	V
		843.2	32.16	-13.84	46	27.7	28.52	5.19	29.25	-	-	P	V
		944	34.3	-11.7	46	27.63	29.8	5.61	28.74	-	-	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

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	**Temperature :**	22~23°C
		Relative Humidity :	51~58%

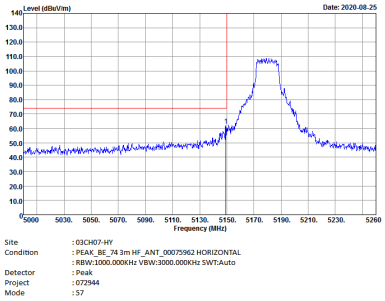
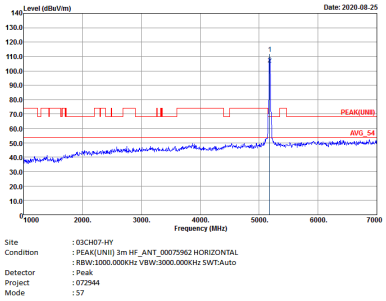
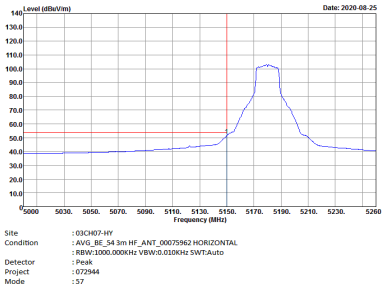
Note symbol

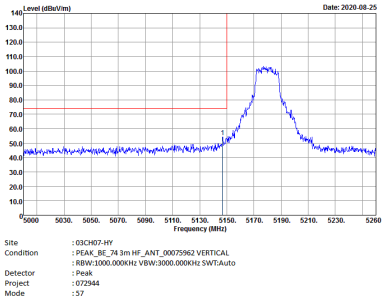
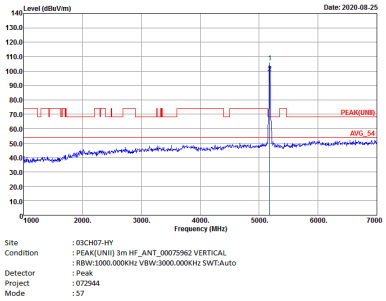
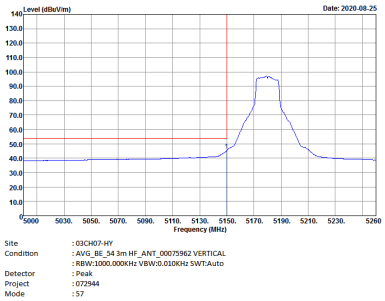
-L	**Low channel location**
-R	**High channel location**

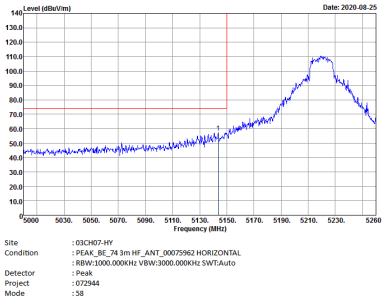
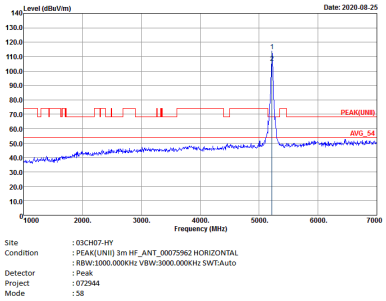
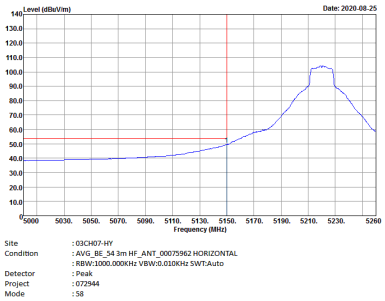
<CDD Mode>

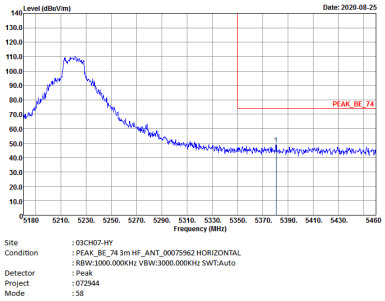
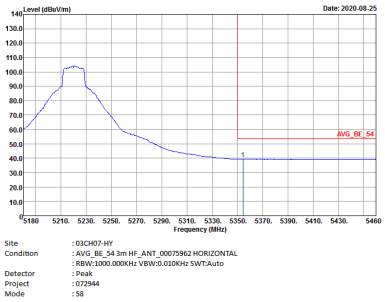
Band 1 - 5150~5250MHz

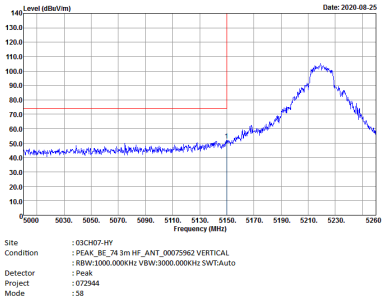
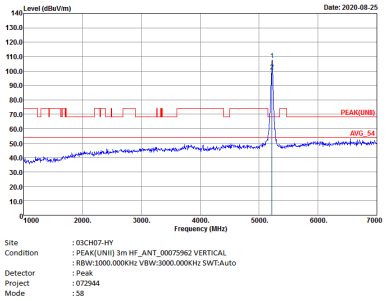
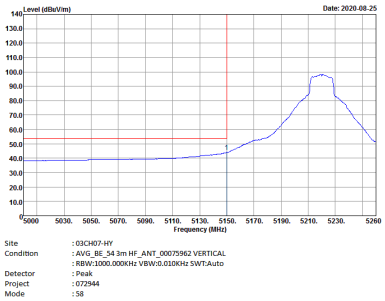
WIFI 802.11a (Band Edge @ 3m)

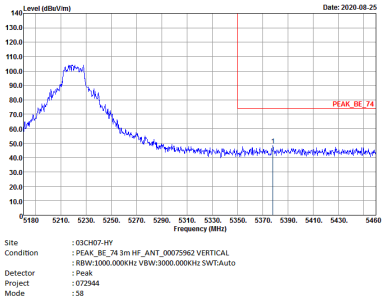
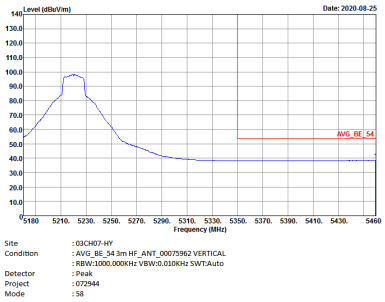
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

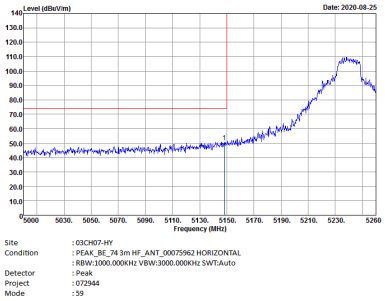
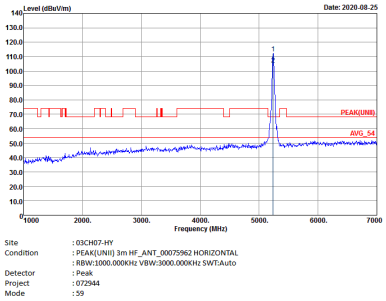
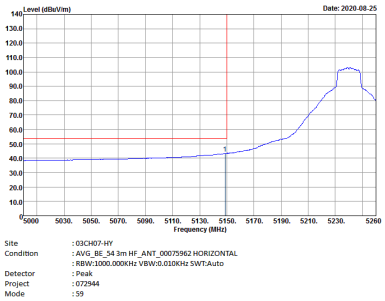
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

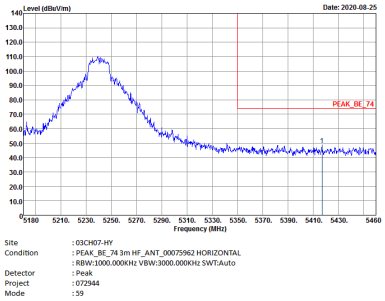
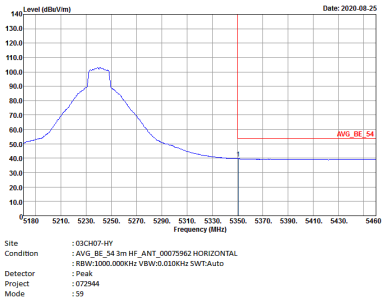
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

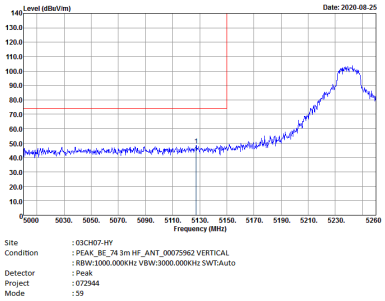
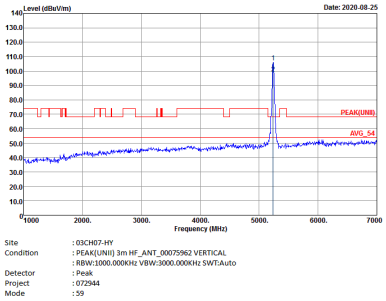
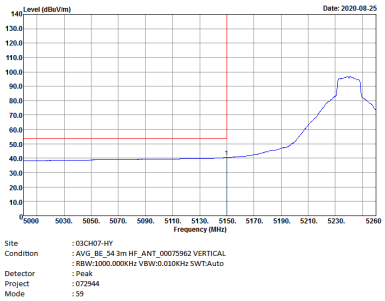
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

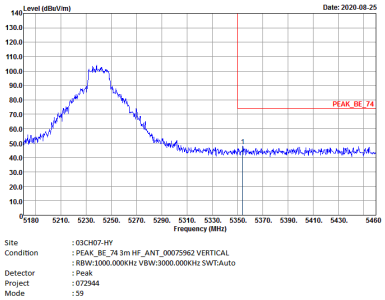
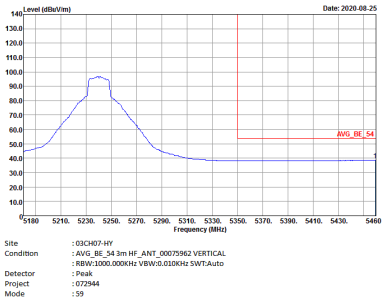
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

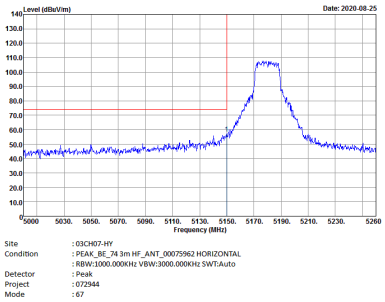
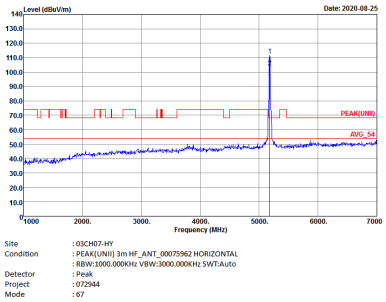
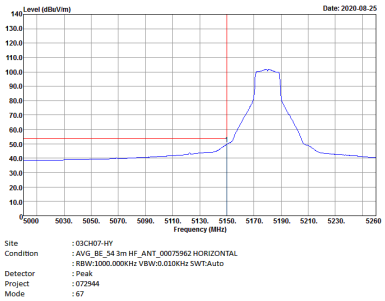
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

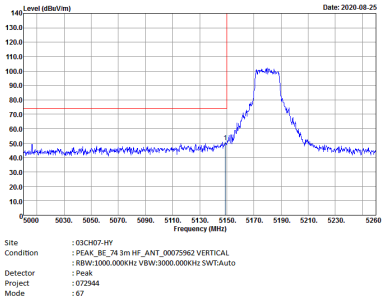
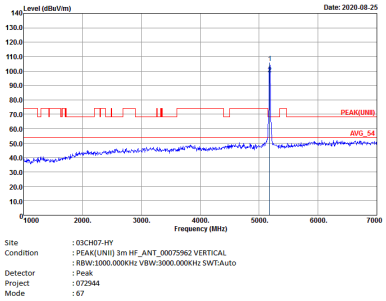
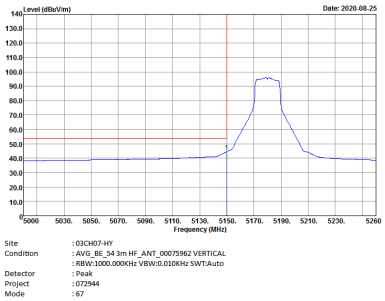
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

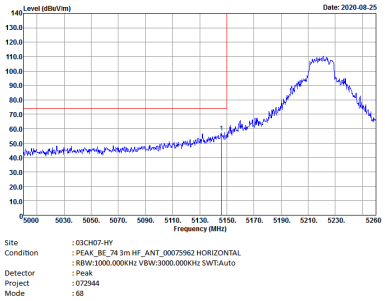
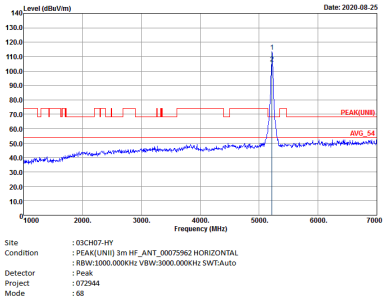
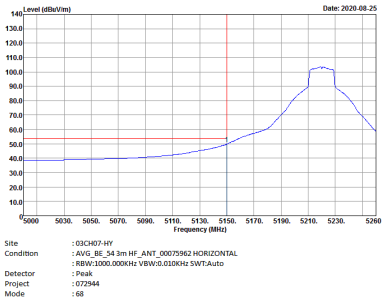
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

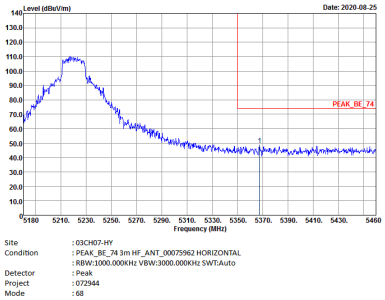
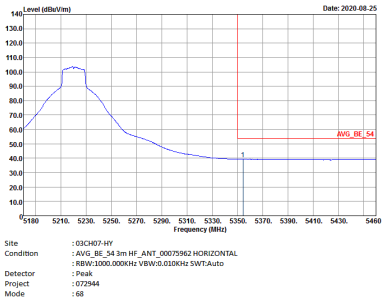
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

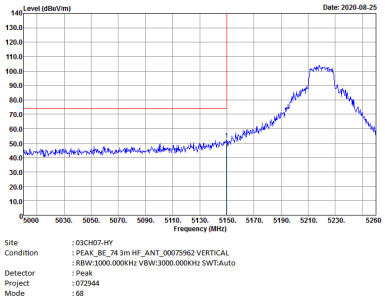
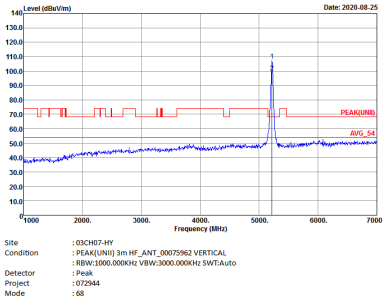
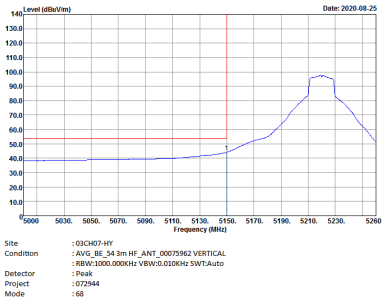
Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

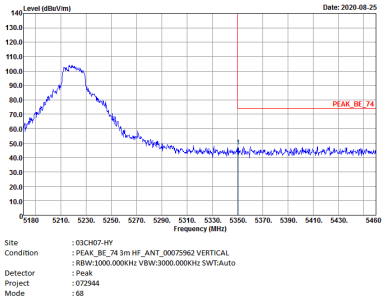
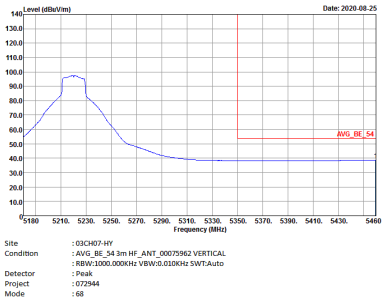
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

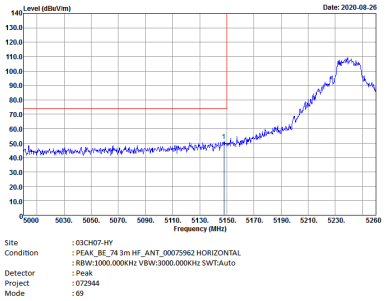
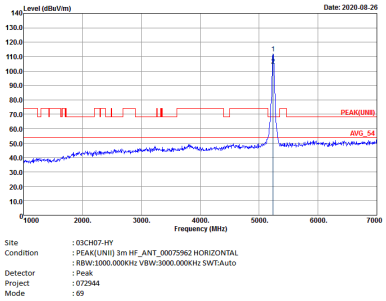
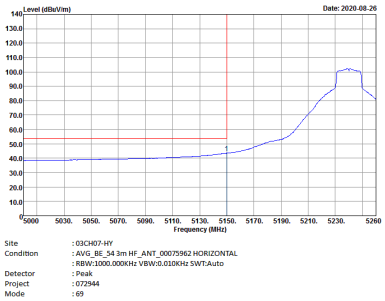
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

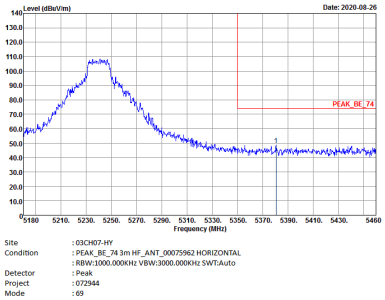
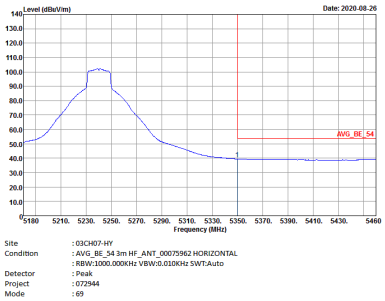
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

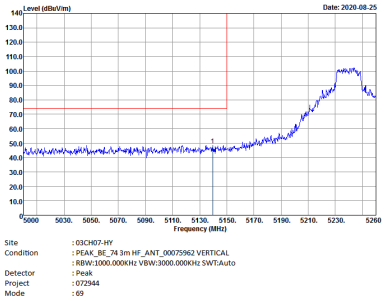
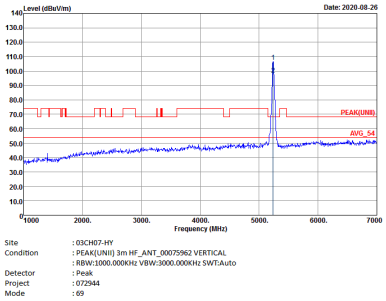
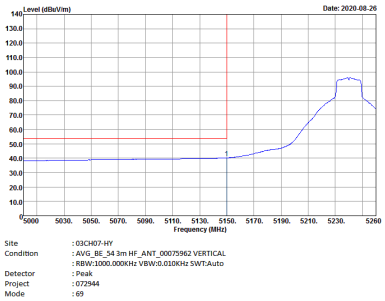
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

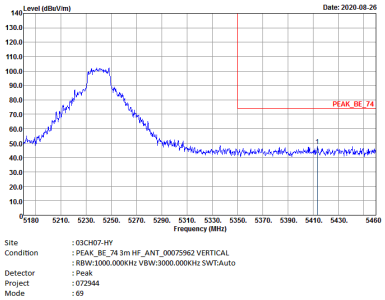
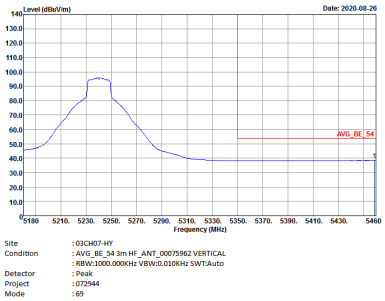
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

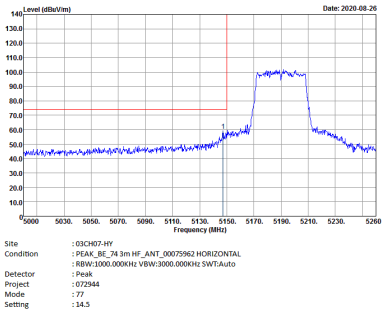
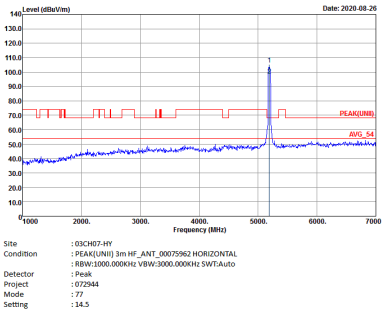
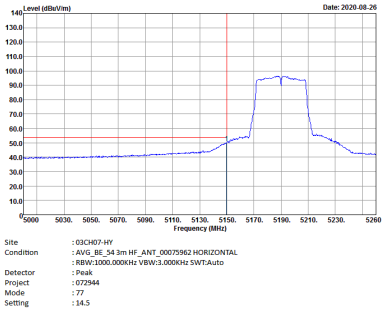
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

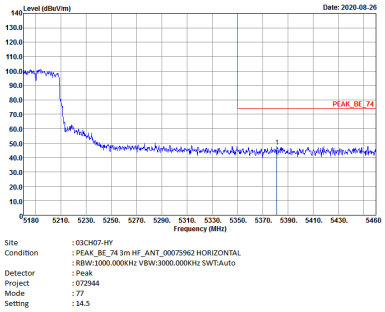
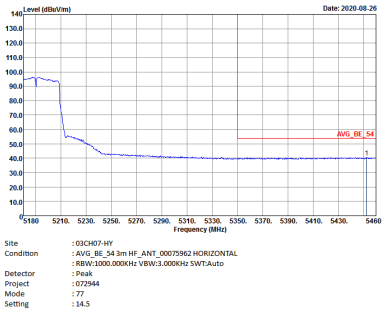
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

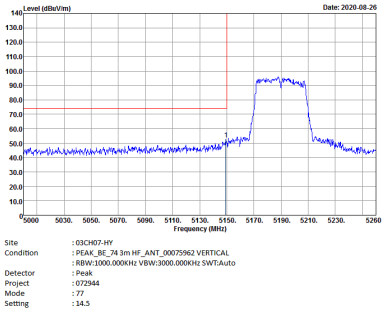
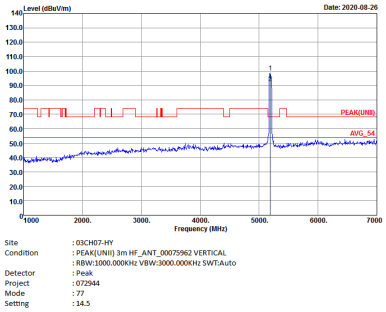
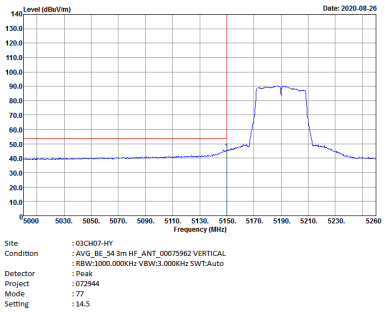
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

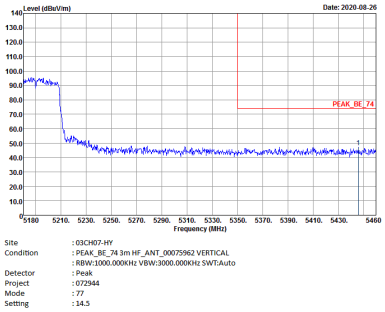
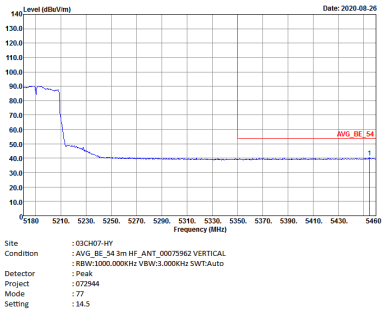
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

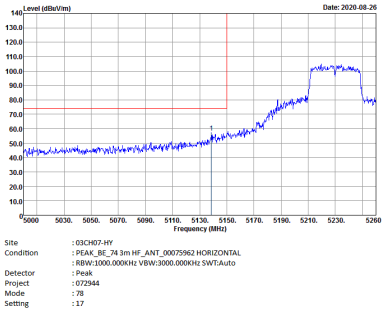
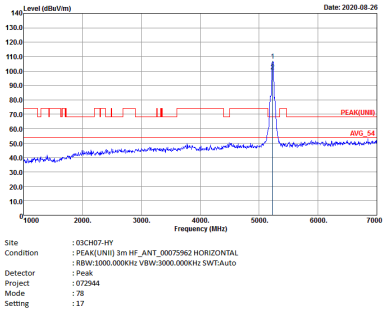
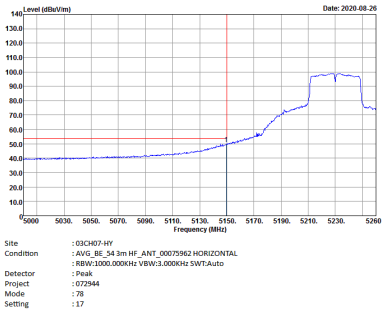
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

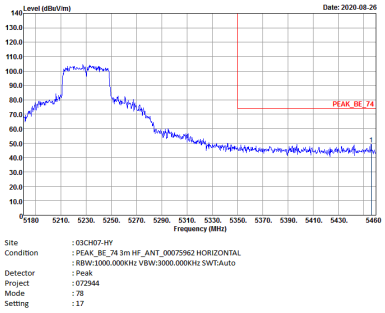
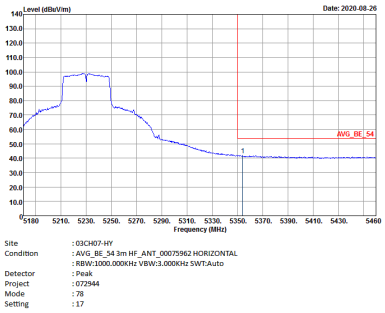
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

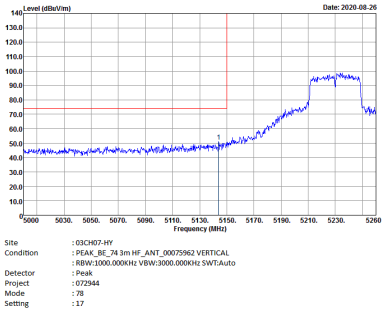
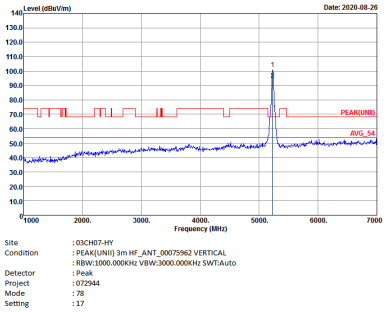
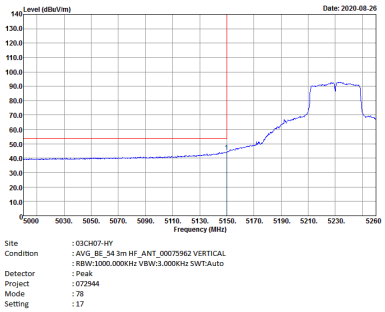
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

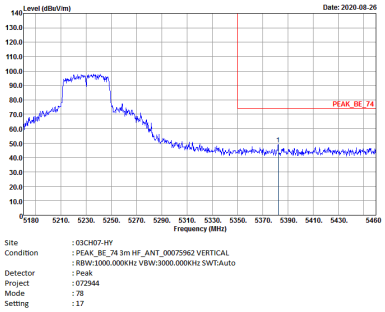
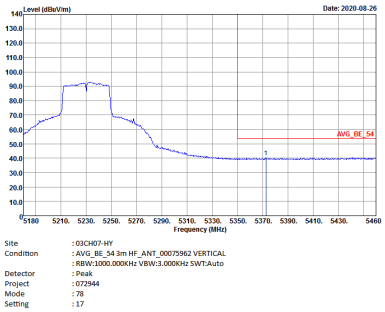
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

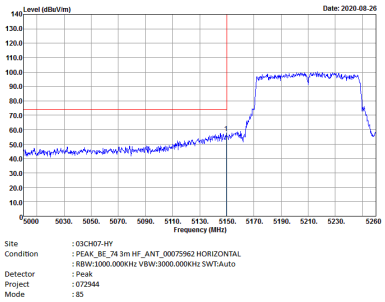
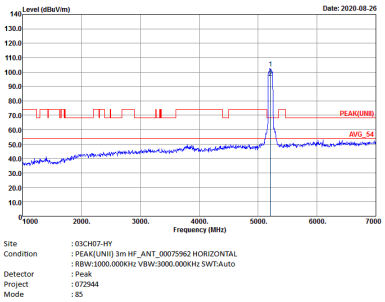
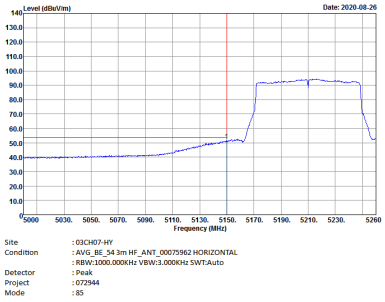
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

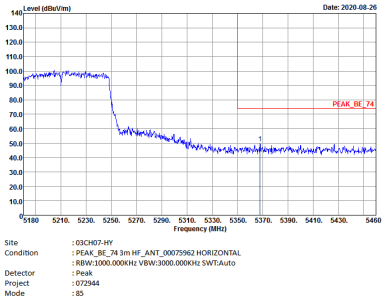
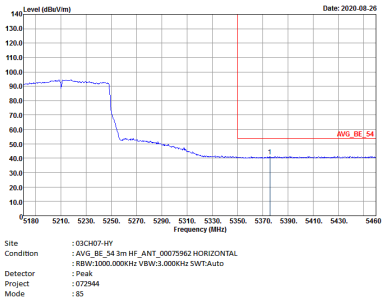
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

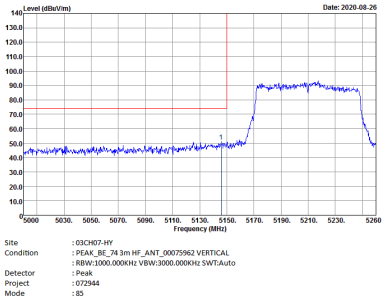
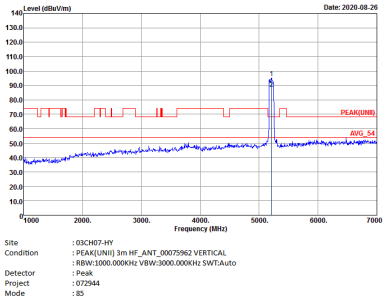
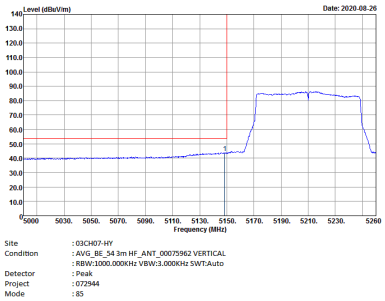
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

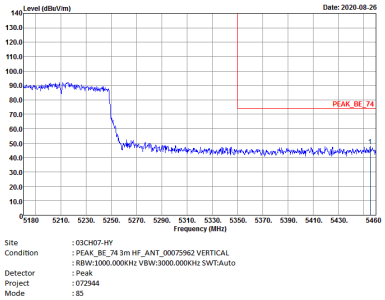
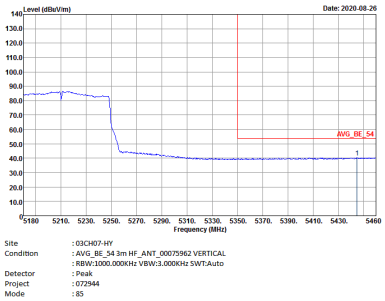
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

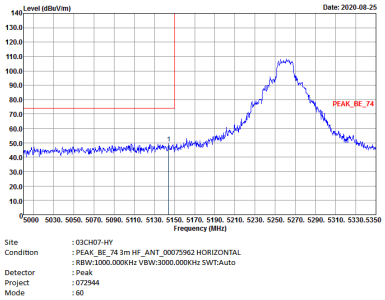
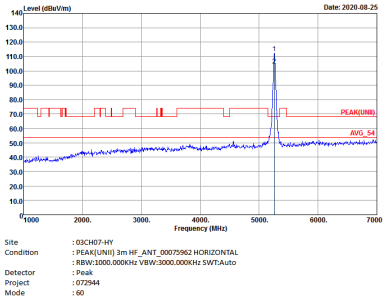
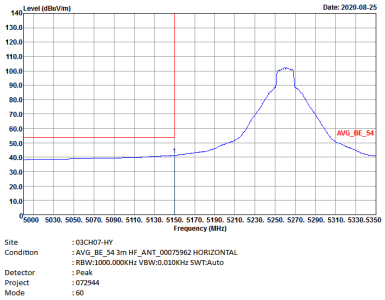
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

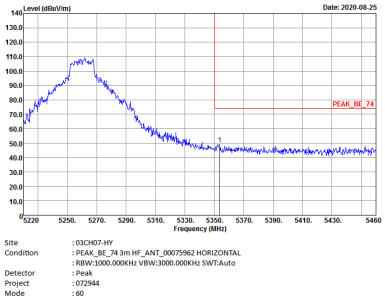
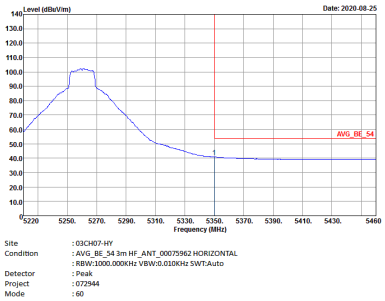
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

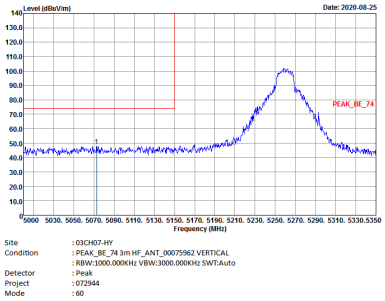
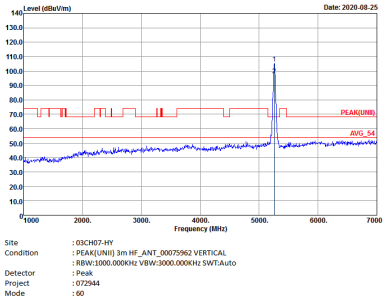
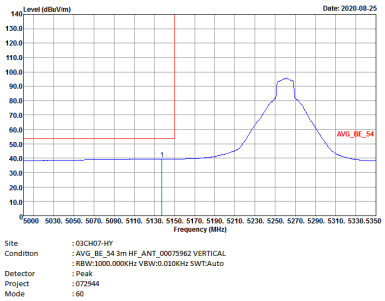
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

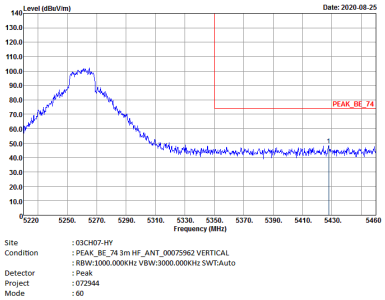
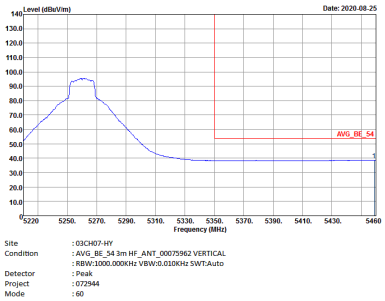
Band 2 - 5250~5350MHz

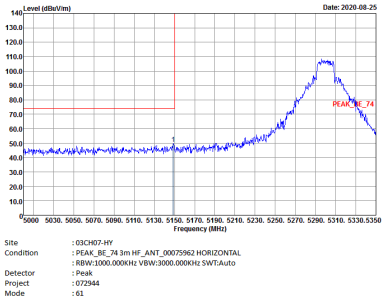
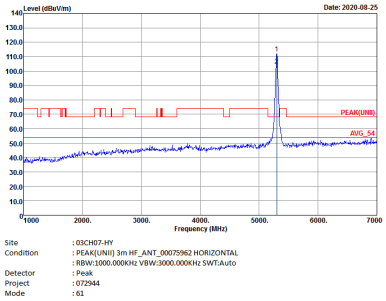
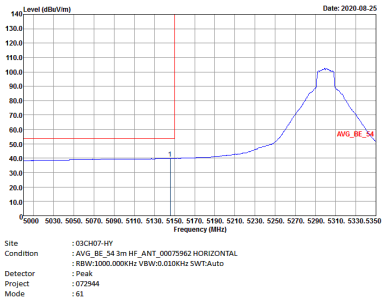
WIFI 802.11a (Band Edge @ 3m)

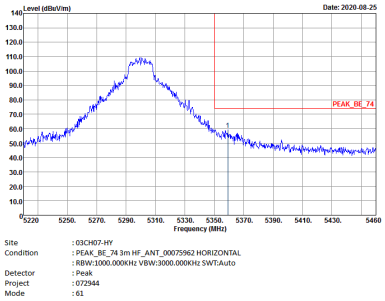
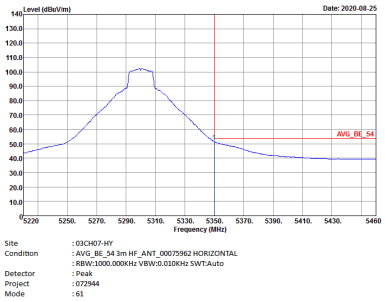
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

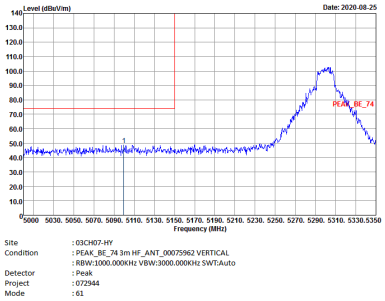
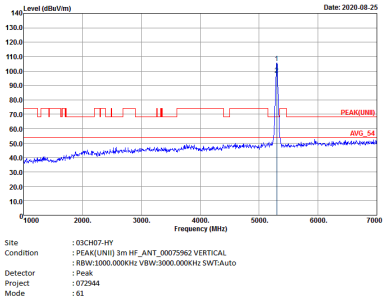
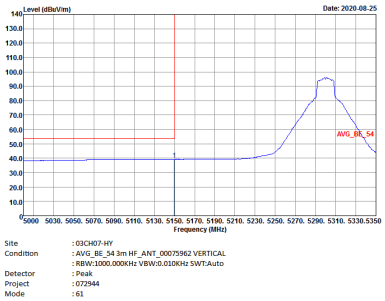
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

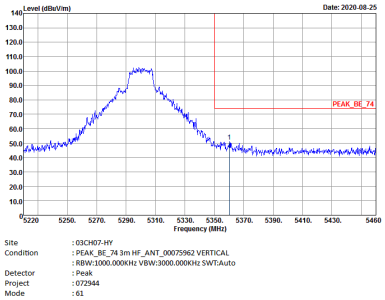
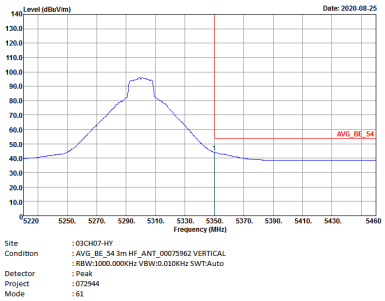
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

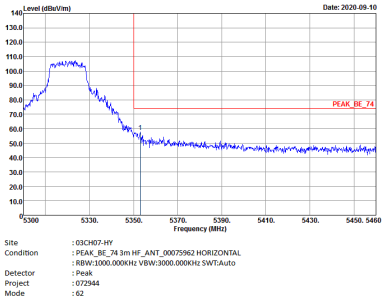
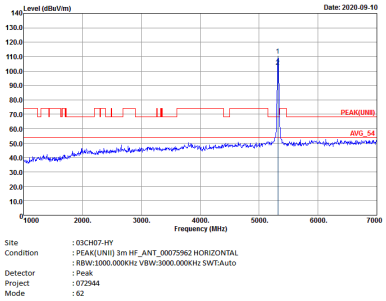
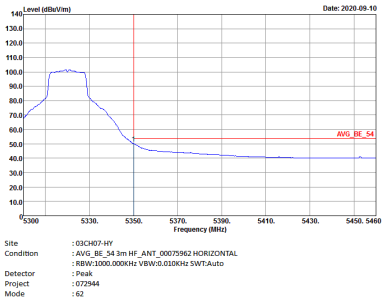
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

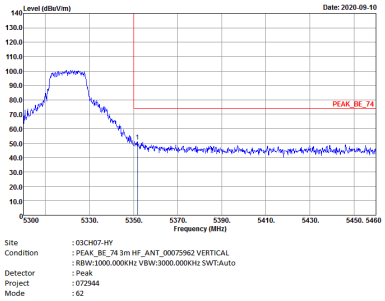
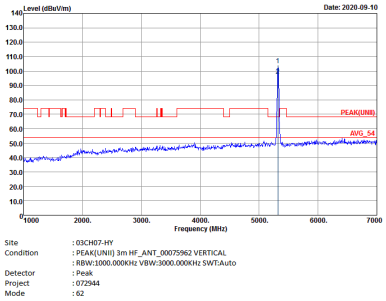
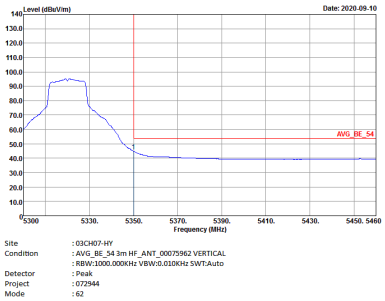
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

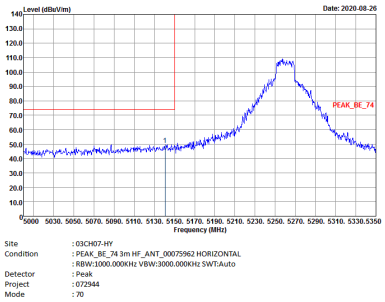
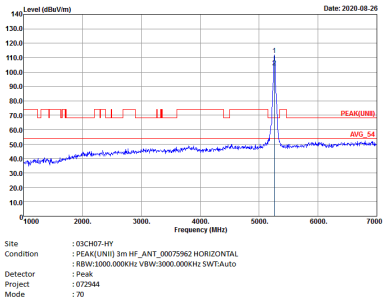
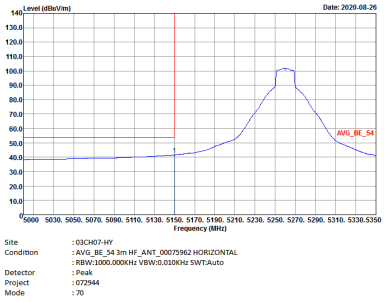
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

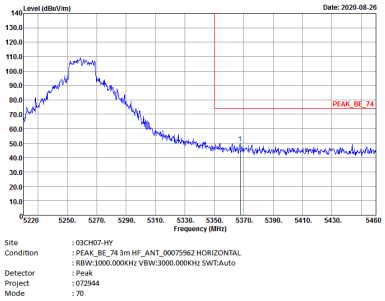
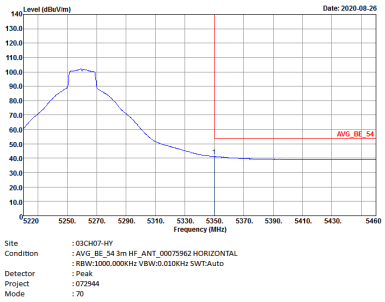
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

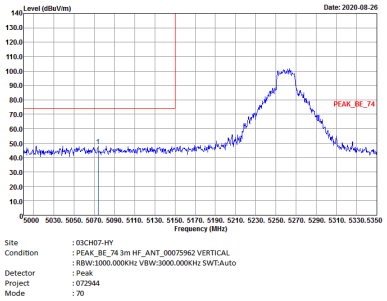
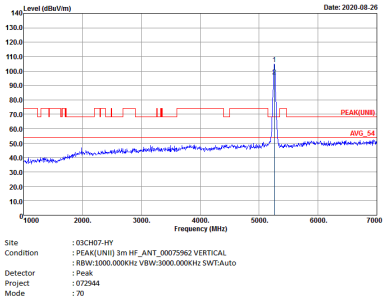
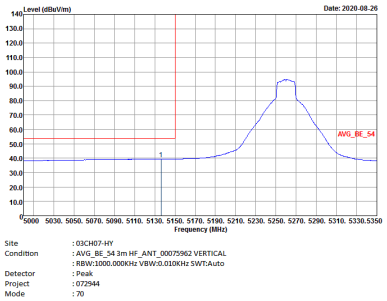
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

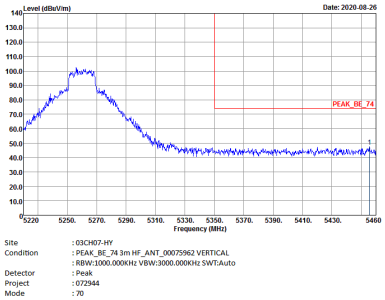
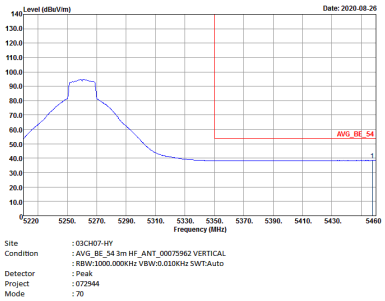
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

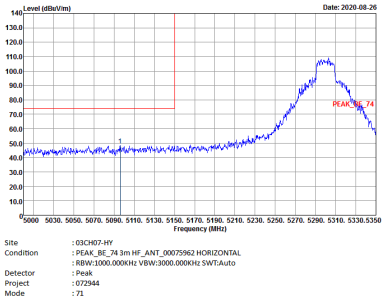
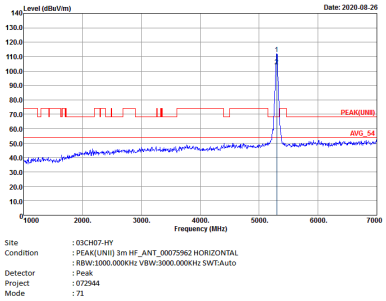
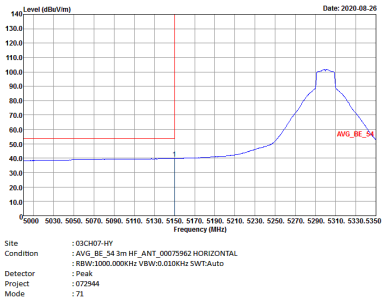
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

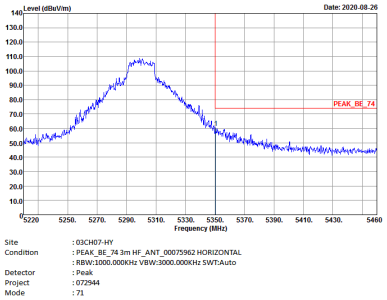
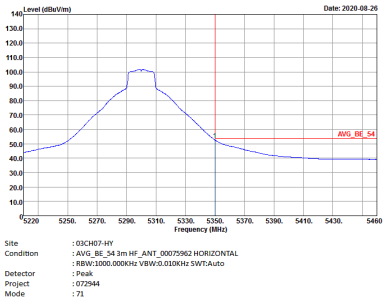
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

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

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

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