FCC RADIO TEST REPORT

FCC ID	:	UZ7MC330L
Equipment	:	Mobile Computer
Brand Name	:	Zebra
Model Name	:	MC330L
Applicant	:	Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742
Manufacturer	:	Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on Aug. 12, 2019 and testing was started from Aug. 12, 2019 and completed on Nov. 09, 2019. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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

Louis Wu

Approved by: Louis Wu

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR981244E	01	Initial issue of report	Dec. 02, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 1.39 dB at 5149.760 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 12.66 dB at 0.152 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

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

Reviewed by: Wii Chang

Report Producer: Dara Chiu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Computer
Brand Name	Zebra
Model Name	MC330L
FCC ID	UZ7MC330L
EUT supports Radios application	NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	DV
SW Version_Gun	Android Version 9
SW Version_Brick	Android Version 9
SW Version_Rotate	Android Version 9
FW Version_Gun	Terminal Version: 02-11-08.00-PG-U00-PLT
FW Version_Brick	Terminal Version: 02-11-08.00-PG-U00-PLT
FW Version_Rotate	Terminal Version: 02-11-08.00-PG-U00-PLT
MFD_Gun	01AUG19
MFD_Brick	02AUG19
MFD_Rotate	27JUL19
EUT Stage	Identical Prototype

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

Specification of Accessories				
Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
U cable	**Brand Name**	Symbol	**Model Name**	CBL-MC33-USBCHG-01
MC32 1X battery (Inventus)	**Brand Name**	Symbol	**Model Number**	82-000011-01
MC32 2X battery (Inventus)	**Brand Name**	Symbol	**Model Number**	82-000012-02
MC32 2X battery (TWS)	**Brand Name**	Symbol	**Model Number**	82-000012-02
MC33 1X battery (Inventus)	**Brand Name**	ZEBRA	**Model Number**	BT-000338
MC33 2X battery (Inventus)	**Brand Name**	ZEBRA	**Model Number**	BT-000337
MC33 2X battery (TWS)	**Brand Name**	ZEBRA	**Model Number**	BT-000337A
MC33 7000mA 2X (Inventus)	**Brand Name**	ZEBRA	**Model Number**	BT-000375
Holster for MC3XXX Gun configuration	**Brand Name**	Zebra	**Model Number**	SG-MC3021212-01R
Rigid holster for MC3XXX Gun configuration	**Brand Name**	Zebra	**Model Number**	SG-MC33-RDHLST-01
Holster for MC3XXXX Brick configuration	**Brand Name**	Zebra	**Model Number**	11-69293-01R
Rigid holster for MC3XXX Brick configuration	**Brand Name**	Zebra	**Model Number**	SG-MC33-RDHLST-01
Lanyard for MC3XXX Brick Configuration	**Brand Name**	Zebra	**Model Number**	SG-MC33-LNYDB-01
Protective boot for MC3XXX straight shooter	**Brand Name**	Zebra	**Model Number**	SG-MC33-RBTG-01
Protective boot for MC3XXX Turret Cup of Rotate configuration	**Brand Name**	Zebra	**Model Number**	SG-MC33-RBTRT-01
Protective boot for MC3XXX Rotate configuration	**Brand Name**	Zebra	**Model Number**	SG-MC33-RBTRD-01

<Sample Information>

Organization / Function / Group	SKU1	SKU2	SKU3	SKU4	SKU5
Phase	DV	DV	DV	DV	DV
Configuration					
Form Factor	Gun	Gun	Gun - Amazon	Gun China	Rotate
Scanner	SE965	SE4850 new 20-4850-IM001R	SE4770	SE4720	SE965
Keypad	Numeric (29Key)	Function Numeric (47Key)	AlphaNum (47Key)	Function Numeric (38Key)	Numeric (47Key)
Tier	Base	Base	Base	Base	Base
NFC	Yes	Yes	Yes	Yes	Yes
Camera	NA	NA	NA	NA	No
Audio Jack (NA)	NA	NA	NA	NA	No
Back Hsg	Gun 18D	Gun 18D	Gun 18D	Gun 18D	Rotate Head
Screen Protector	No	Yes	Yes	No	No
RFID Tag	Yes	Yes	Yes	Yes	No
Hand strap	No	Yes	Yes	No	No
USB Charge cable in box	No	No	No	Yes	No
Wal wart adaptor	No	No	No	Yes	No
PCB	Tripod	Tripod	Tripod	Tripod	Tripod
DRAM/eMMIC	4/32 GB MLC	4/32 GB MLC	4/32 GB MLC	4/16 GB MLC	4/32 GB MLC
DRAM/eMMC Mfr main source	Hynix/Hynix	Hynix/Hynix	Hynix/Hynix	Hynix/Hynix	Hynix/Hynix

Organization / Function / Group	SKU6	SKU7	SKU8	SKU9	SKU10
Phase	DV	DV	DV	DV	DV
Configuration					
Form Factor	Straight (S)	Straight (S)	Straight (S) China	Straight (L)	Straight(45)
Scanner	SE965	SE4770	SE4720	SE4850 new 20-4850-IM001R	SE4770
Keypad	AlphaNum (47Key)	Function Numeric (38Key)	Function Numeric (38Key)	Numeric (29Key)	Function Numeric (38Key)
Tier	Base + Camera	Base + Camera	Base	Base + Camera	Base + Camera
NFC	Yes	Yes	Yes	Yes	Yes
Camera	Yes	Yes	No	Yes	Yes
Audio Jack (NA)	No	No	No	No	No
Back Hsg	22 Deg ST	22 Deg ST	22 Deg ST	18 deg ST	45 deg ST
Screen Protector	No	No	No	Yes	Yes
RFID Tag	No	No	No	No	No
Hand strap	Yes	No	No	No	Yes
USB Charge cable in box	No	No	Yes	No	No
Wal wart adaptor	No	No	Yes	No	No
PCB	Tripod	Tripod	Tripod	Tripod	Tripod
DRAM/eMMIC	4/32 GB MLC	4/32 GB MLC	4/16 GB MLC	4/32 GB MLC	4/32 GB MLC
DRAM/eMMC Mfr main source	Hynix/Hynix	Hynix/Hynix	Hynix/Hynix	Hynix/Hynix	Hynix/Hynix

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Modes>	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>** 802.11a : 17.40 dBm / 0.0550 W 802.11n HT20 : 17.30 dBm / 0.0537 W 802.11n HT40 : 17.00 dBm / 0.0501 W 802.11ac VHT20: 17.40 dBm / 0.0550 W 802.11ac VHT40: 17.10 dBm / 0.0513 W 802.11ac VHT80: 16.40 dBm / 0.0437 W **<Ant. 2>** 802.11a : 17.20 dBm / 0.0525 W 802.11n HT20 : 17.00 dBm / 0.0501 W 802.11n HT40 : 16.90 dBm / 0.0490 W 802.11ac VHT20: 17.10 dBm / 0.0513 W 802.11ac VHT40: 17.10 dBm / 0.0513 W 802.11ac VHT80: 15.90 dBm / 0.0389 W **MIMO <Ant. 1+2>** 802.11a : 20.11 dBm / 0.1026 W 802.11n HT20 : 20.27 dBm / 0.1064 W 802.11n HT40 : 21.06 dBm / 0.1276 W 802.11ac VHT20: 20.37 dBm / 0.1089 W 802.11ac VHT40: 21.11 dBm / 0.1291 W 802.11ac VHT80: 15.81 dBm / 0.0381 W
	<5260 MHz ~ 5320 MHz> **<Ant. 1>** 802.11a : 17.10 dBm / 0.0513 W 802.11n HT20 : 17.10 dBm / 0.0513 W 802.11n HT40 : 17.10 dBm / 0.0513 W 802.11ac VHT20: 17.20 dBm / 0.0525 W 802.11ac VHT40: 17.20 dBm / 0.0525 W 802.11ac VHT80: 15.80 dBm / 0.0380 W **<Ant. 2>** 802.11a : 17.10 dBm / 0.0513 W 802.11n HT20 : 17.10 dBm / 0.0513 W 802.11n HT40 : 17.20 dBm / 0.0525 W 802.11ac VHT20: 17.20 dBm / 0.0525 W 802.11ac VHT40: 17.30 dBm / 0.0537 W 802.11ac VHT80: 14.90 dBm / 0.0309 W **MIMO <Ant. 1+2>** 802.11a : 20.07 dBm / 0.1016 W 802.11n HT20 : 20.27 dBm / 0.1064 W 802.11n HT40 : 20.82 dBm / 0.1208 W 802.11ac VHT20: 20.37 dBm / 0.1089 W 802.11ac VHT40: 20.92 dBm / 0.1236 W 802.11ac VHT80: 13.66 dBm / 0.0232 W

Standards-related Product Specification	
Maximum Output Power to Antenna <CDD Modes>	**<5500 MHz ~ 5720 MHz>** **<Ant. 1>** 802.11a : 17.40 dBm / 0.0550 W 802.11n HT20 : 17.20 dBm / 0.0525 W 802.11n HT40 : 17.30 dBm / 0.0537 W 802.11ac VHT20: 17.30 dBm / 0.0537 W 802.11ac VHT40: 17.40 dBm / 0.0550 W 802.11ac VHT80: 17.40 dBm / 0.0550 W **<Ant. 2>** 802.11a : 17.40 dBm / 0.0550 W 802.11n HT20 : 17.20 dBm / 0.0525 W 802.11n HT40 : 17.20 dBm / 0.0525 W 802.11ac VHT20: 17.30 dBm / 0.0537 W 802.11ac VHT40: 17.40 dBm / 0.0550 W 802.11ac VHT80: 17.20 dBm / 0.0525 W **MIMO <Ant. 1+2>** 802.11a : 19.76 dBm / 0.0946 W 802.11n HT20 : 20.16 dBm / 0.1038 W 802.11n HT40 : 20.56 dBm / 0.1138 W 802.11ac VHT20: 20.17 dBm / 0.1040 W 802.11ac VHT40: 20.61 dBm / 0.1151 W 802.11ac VHT80: 20.81 dBm / 0.1205 W
Maximum Output Power to Antenna <TXBF Modes>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 1+2>** 802.11ac VHT20: 18.44 dBm / 0.0698 W 802.11ac VHT40: 20.75 dBm / 0.1189 W 802.11ac VHT80: 19.33 dBm / 0.0857 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1+2>** 802.11ac VHT20: 18.50 dBm / 0.0708 W 802.11ac VHT40: 20.48 dBm / 0.1117 W 802.11ac VHT80: 16.32 dBm / 0.0429 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 1+2>** 802.11ac VHT20: 18.40 dBm / 0.0692 W 802.11ac VHT40: 20.54 dBm / 0.1132 W 802.11ac VHT80: 20.36 dBm / 0.1086 W

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>99% Occupied Bandwidth
<CDD Modes></td><td><Ant. 1>
802.11a : 18.03 MHz
802.11n HT20 : 17.98 MHz
802.11n HT40 : 36.66 MHz
802.11ac VHT80 : 76.36 MHz
<Ant. 2>
802.11a : 17.98 MHz
802.11n VHT20 : 17.98 MHz
802.11n VHT40 : 36.66 MHz
802.11ac VHT80 : 76.36 MHz
MIMO <Ant. 1>
802.11a : 16.93 MHz
802.11n VHT20 : 18.13 MHz
802.11n VHT40 : 36.76 MHz
802.11ac VHT80 : 76.84 MHz
MIMO <Ant. 2>
802.11a : 16.88 MHz
802.11n VHT20 : 18.03 MHz
802.11n VHT40 : 36.76 MHz
802.11ac VHT80 : 76.96 MHz</td></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Modes></td><td>MIMO <Ant. 1>
802.11n VHT20 : 17.93 MHz
802.11n VHT40 : 37.06 MHz
802.11ac VHT80 : 77.56 MHz
MIMO <Ant. 2>
802.11n VHT20 : 19.53 MHz
802.11n VHT40 : 36.66 MHz
802.11ac VHT80 : 76.96 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 1 : PIFA Antenna with gain 4.70 dBi
Ant. 2 : PIFA Antenna with gain 4.27 dBi
<5260 MHz ~ 5320 MHz>
Ant. 1 : PIFA Antenna with gain 4.85 dBi
Ant. 2 : PIFA Antenna with gain 4.41 dBi
<5500 MHz ~ 5720 MHz>
Ant. 1 : PIFA Antenna with gain 5.08 dBi
Ant. 2 : PIFA Antenna with gain 5.05 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK/QPSK/16QAM/64QAM)
802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 1</th><th>Ant. 2</th></tr>
<tr><td>802.11 a/n/ac</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 ac TXBF</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

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

1.3 Modification of EUT

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

1.4 Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH11-HY

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

FCC designation No.: TW1190 and TW0007

1.5 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

Single Mode

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

MIMO Mode

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

TXBF Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : Keypad (47) + WLAN (5GHz) Link + Bluetooth Link + Color Bar + MC33 7000mA 2X (Inventus) + USB Cable (Data Link with Notebook) (eMMC to Notebook) for SKU 5

Remark:

1. Data Linking with Notebook means data application transferred mode between EUT and Notebook.
2. For Radiated Test Cases, the tests were performed with MC33 2X battery (Inventus) and SKU 5.

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

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

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

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

<CDD Mode>

<Ant. 1>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) 6M	Channel	Data Rate (bps) 9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		95.81		94.40	92.70	89.90	87.10	82.30	78.10	76.30
CH 036	5180	17.40	CH 044	17.30	17.30	17.20	17.30	17.30	17.10	17.30
CH 044	5220	17.40								
CH 048	5240	17.40								
CH 052	5260	17.10	CH 060	17.00	17.00	16.90	16.60	17.00	17.00	17.00
CH 060	5300	17.10								
CH 064	5320	17.10								
CH 100	5500	17.40	CH 116	17.30	17.30	17.30	17.10	17.00	16.90	17.00
CH 116	5580	17.40								
CH 140	5700	17.30								
CH 144	5720	17.40								

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 MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		95.05		92.30	89.30	86.60	81.90	77.90	76.20	74.80
CH 036	5180	17.30	CH 044	17.00	17.10	17.20	17.00	16.90	17.00	17.00
CH 044	5220	17.30								
CH 048	5240	17.30								
CH 052	5260	17.10	CH 060	16.70	17.00	17.00	16.80	16.80	16.80	16.80
CH 060	5300	17.10								
CH 064	5320	17.10								
CH 100	5500	17.20	CH 116	17.10	17.00	17.00	17.10	17.10	17.10	17.10
CH 116	5580	17.20								
CH 140	5700	17.10								
CH 144	5720	17.20								

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

802.11n HT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		92.20		86.20	81.40	77.40	71.00	66.70	64.90	63.00
CH 038	5190	16.40	CH 046	16.90	16.90	16.90	16.90	16.90	16.90	16.90
CH 046	5230	17.00								
CH 054	5270	17.10	CH 062	17.00	17.00	16.90	16.90	16.90	16.90	16.90
CH 062	5310	17.10								
CH 102	5510	17.30	CH 102	17.20	17.20	17.20	17.20	17.20	17.20	17.20
CH 110	5550	17.30								
CH 134	5670	17.20								
CH 142	5710	17.30								

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

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)		95.07		92.30	89.40	86.70	81.90	78.30	76.40	75.00	72.30
CH 036	5180	17.40	CH 044	17.20	17.30	17.30	17.10	17.10	17.10	17.10	17.10
CH 044	5220	17.40									
CH 048	5240	17.40									
CH 052	5260	17.20	CH 060	16.90	17.10	17.10	17.00	17.00	17.00	17.00	17.00
CH 060	5300	17.20									
CH 064	5320	17.20									
CH 100	5500	17.30	CH 116	17.20	17.10	17.10	17.20	17.20	17.20	17.20	17.20
CH 116	5580	17.30									
CH 140	5700	17.20									
CH 144	5720	17.30									

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

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		91.39		86.30	81.40	77.60	71.40	67.20	65.40	63.60	60.70	59.80
CH 038	5190	16.60	CH 046	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
CH 046	5230	17.10										
CH 054	5270	17.20	CH 054	17.10	17.10	17.00	17.00	17.00	17.00	17.00	17.00	16.90
CH 062	5310	17.20										
CH 102	5510	17.40	CH 102	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30
CH 110	5550	17.40										
CH 134	5670	17.30										
CH 142	5710	17.40										

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

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		89.09		76.60	70.70	66.10	59.80	56.10	54.10	53.00	50.40	49.30
CH 042	5210	16.40	CH 042	16.30	16.30	16.30	16.30	16.30	16.30	16.30	16.30	16.30
CH 058	5290	15.80	CH 058	15.70	15.70	15.70	15.70	15.60	15.70	15.70	15.70	15.70
CH 106	5530	17.40	CH 106	17.20	17.20	17.20	17.20	17.20	17.20	17.20	17.20	17.20
CH 122	5610	17.40										
CH 138	5690	17.30										

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) 6M	Channel	Data Rate (bps) 9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		95.83		94.40	92.80	89.80	87.20	82.50	78.20	76.50
CH 036	5180	17.10	CH 048	17.10	17.10	17.10	17.10	17.10	17.00	17.10
CH 044	5220	17.10								
CH 048	5240	17.20								
CH 052	5260	17.10	CH 060	17.00	17.00	17.00	16.80	16.80	16.70	16.80
CH 060	5300	17.10								
CH 064	5320	17.10								
CH 100	5500	17.30	CH 144	17.20	17.20	17.20	17.00	16.90	16.80	16.90
CH 116	5580	17.30								
CH 140	5700	17.20								
CH 144	5720	17.40								

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 MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		91.79		92.30	89.30	86.70	81.90	77.80	76.30	75.00
CH 036	5180	17.00	CH 044	16.60	16.90	16.90	16.70	16.80	16.80	16.80
CH 044	5220	17.00								
CH 048	5240	17.00								
CH 052	5260	17.10	CH 060	16.70	17.00	17.00	17.00	16.90	17.00	16.90
CH 060	5300	17.10								
CH 064	5320	17.10								
CH 100	5500	17.10	CH 140	16.90	17.10	17.10	17.00	17.00	17.00	17.00
CH 116	5580	17.10								
CH 140	5700	17.20								
CH 144	5720	17.20								

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

802.11n HT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		91.79		86.20	81.40	77.40	71.00	66.70	64.90	63.00
CH 038	5190	16.90	CH 046	16.80	16.80	16.80	16.80	16.80	16.80	16.80
CH 046	5230	16.90								
CH 054	5270	17.10	CH 062	17.10	17.10	17.00	17.00	17.00	17.00	17.00
CH 062	5310	17.20								
CH 102	5510	17.10	CH 142	17.00	16.70	16.70	16.70	16.70	16.70	16.70
CH 110	5550	17.10								
CH 134	5670	17.10								
CH 142	5710	17.20								

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
Duty Cycle (%)		95.54		92.30	89.40	86.70	82.10	78.30	76.50	75.10	72.40
CH 036	5180	17.10	CH 044	16.80	16.80	16.80	16.80	16.80	16.80	16.80	16.80
CH 044	5220	17.10									
CH 048	5240	17.10									
CH 052	5260	17.20	CH 060	16.90	17.10	17.10	17.10	17.00	17.10	17.00	17.00
CH 060	5300	17.20									
CH 064	5320	17.20									
CH 100	5500	17.20	CH 140	17.10	17.20	17.20	17.10	17.10	17.10	17.10	17.10
CH 116	5580	17.20									
CH 140	5700	17.30									
CH 144	5720	17.30									

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

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		91.39		86.20	81.40	77.60	71.50	67.20	65.60	63.70	60.80	59.60
CH 038	5190	17.00	CH 046	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
CH 046	5230	17.10										
CH 054	5270	17.20	CH 062	17.20	17.20	17.10	17.10	17.10	17.10	17.10	17.10	17.00
CH 062	5310	17.30										
CH 102	5510	17.30	CH 142	17.20	17.20	17.20	17.20	17.20	17.20	17.20	17.20	17.20
CH 110	5550	17.30										
CH 134	5670	17.30										
CH 142	5710	17.40										

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

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		90.18		76.50	70.70	66.00	59.50	-56.00	53.90	53.00	50.40	49.20
CH 042	5210	15.90	CH 042	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80	15.80
CH 058	5290	14.90	CH 058	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80
CH 106	5530	16.80	CH 122	17.10	17.10	17.10	17.10	17.10	17.10	17.10	17.10	17.10
CH 122	5610	17.20										
CH 138	5690	17.10										

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

MIMO <Ant. 1+2>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) 6M	Channel	Data Rate (bps) 9M	12M	18M	24M	36M	48M	54M
CH 036	5180	19.87	CH 048	19.86	19.86	19.81	19.96	19.91	19.76	19.91
CH 044	5220	19.91								
CH 048	5240	20.11								
CH 052	5260	20.07	CH 052	19.87	19.87	19.71	19.91	19.86	19.76	19.96
CH 060	5300	19.97								
CH 064	5320	19.91								
CH 100	5500	19.61	CH 140	19.66	19.66	19.71	19.47	19.52	19.37	19.57
CH 116	5580	19.56								
CH 140	5700	19.76								
CH 144	5720	19.71								

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 MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 036	5180	20.22	CH 044	20.11	19.91	19.86	20.01	20.06	20.11	20.06
CH 044	5220	20.27								
CH 048	5240	20.27								
CH 052	5260	20.27	CH 052	20.07	19.96	19.91	20.11	20.16	20.11	20.16
CH 060	5300	20.21								
CH 064	5320	20.16								
CH 100	5500	19.91	CH 140	19.97	19.87	20.01	19.52	19.57	19.77	19.72
CH 116	5580	19.91								
CH 140	5700	20.16								
CH 144	5720	19.57								

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 MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 038	5190	18.41	CH 046	20.96	20.96	20.96	20.91	20.91	20.96	20.91
CH 046	5230	21.06								
CH 054	5270	20.82	CH 054	20.77	20.71	20.71	20.62	20.62	20.61	20.57
CH 062	5310	16.91								
CH 102	5510	20.56	CH 102	20.46	20.46	20.46	20.41	20.41	20.36	20.36
CH 110	5550	20.56								
CH 134	5670	20.46								
CH 142	5710	20.36								

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 MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 036	5180	20.32	CH 044	20.27	20.06	20.01	20.16	20.21	20.26	20.21	20.21
CH 044	5220	20.37									
CH 048	5240	20.37									
CH 052	5260	20.37	CH 052	20.22	20.11	20.07	20.27	20.31	20.26	20.31	20.31
CH 060	5300	20.31									
CH 064	5320	20.26									
CH 100	5500	20.01	CH 140	20.07	19.97	20.11	19.62	19.67	19.87	19.82	19.62
CH 116	5580	20.01									
CH 140	5700	20.17									
CH 144	5720	19.67									

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

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 038	5190	18.46	CH 046	21.06	21.06	21.06	21.01	21.01	21.06	21.01	21.01	21.01
CH 046	5230	21.11										
CH 054	5270	20.92	CH 054	20.87	20.81	20.81	20.72	20.72	20.71	20.67	20.71	20.67
CH 062	5310	16.96										
CH 102	5510	20.61	CH 102	20.56	20.56	20.56	20.51	20.51	20.46	20.46	20.56	20.46
CH 110	5550	20.61										
CH 134	5670	20.56										
CH 142	5710	20.41										

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

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 042	5210	15.81	CH 042	15.76	15.76	15.76	15.76	15.76	15.76	15.76	15.76	15.76
CH 058	5290	13.66	CH 058	13.51	13.51	13.51	13.51	13.51	13.51	13.51	13.51	13.51
CH 106	5530	16.36	CH 122	20.71	20.71	20.71	20.71	20.71	20.71	20.71	20.71	20.71
CH 122	5610	20.81										
CH 138	5690	20.71										

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

<TXBF Mode>

MIMO <Ant. 1+2>

802.11ac VHT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 036	5180	18.30	CH 044	18.14	18.07	18.13	18.14	18.06	18.12	18.24	18.39
CH 044	5220	18.44									
CH 048	5240	18.44									
CH 052	5260	18.44	CH 064	18.22	18.33	18.30	18.22	18.15	18.25	18.30	18.48
CH 060	5300	18.46									
CH 064	5320	18.50									
CH 100	5500	18.20	CH 116	18.11	18.14	18.07	17.99	17.87	17.92	17.99	18.22
CH 116	5580	18.40									
CH 140	5700	18.12									
CH 144	5720	18.22									

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

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 038	5190	19.02	CH 046	20.21	20.22	20.36	20.23	20.36	20.17	20.23	20.43	20.07
CH 046	5230	20.75										
CH 054	5270	20.48	CH 054	20.24	20.34	20.32	20.24	20.33	20.27	20.46	20.27	20.43
CH 062	5310	18.81										
CH 102	5510	20.35	CH 134	20.28	20.31	20.31	20.40	20.17	20.37	20.20	20.31	20.24
CH 110	5550	20.38										
CH 134	5670	20.54										
CH 142	5710	20.30										

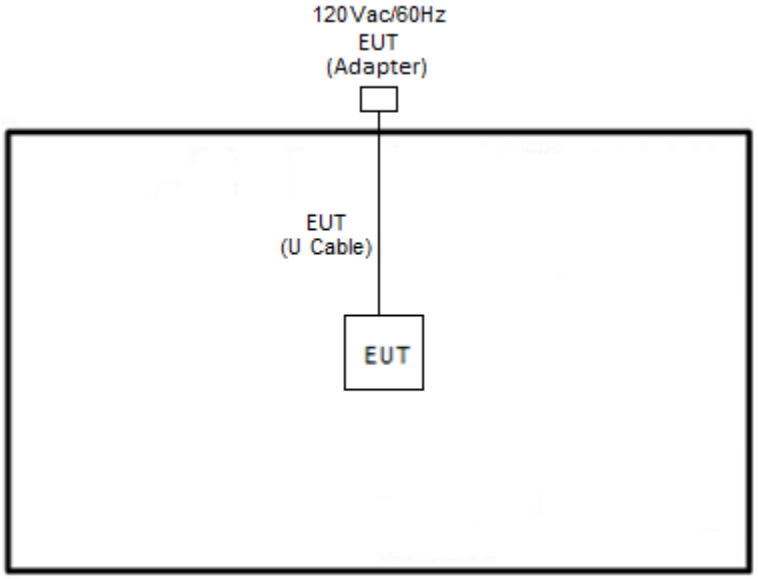
Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 042	5210	19.33	CH 042	19.16	18.93	18.88	19.02	18.80	18.85	18.74	18.91	18.91
CH 058	5290	16.32	CH 058	16.27	16.08	16.10	16.11	16.22	16.28	16.22	16.27	16.17
CH 106	5530	19.07	CH 122	19.81	19.97	20.07	20.12	20.27	20.15	20.13	20.21	20.21
CH 122	5610	20.36										
CH 138	5690	20.27										

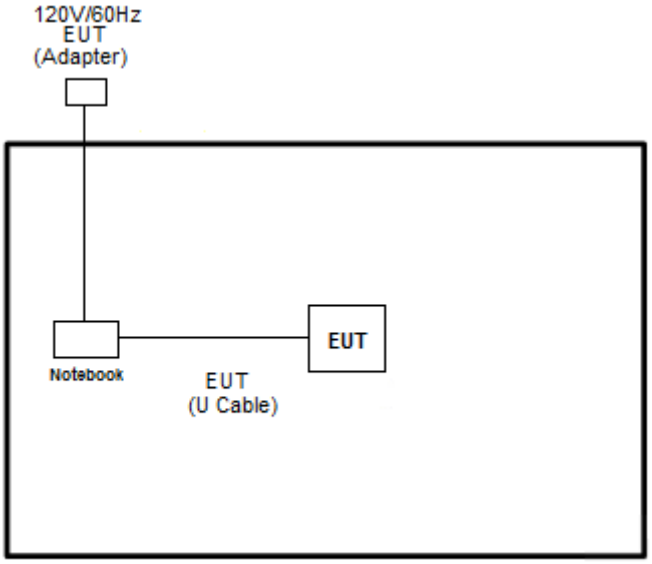
Note: The above Frequency and Channel in "*" were straddle Channel.

2.3 Connection Diagram of Test System

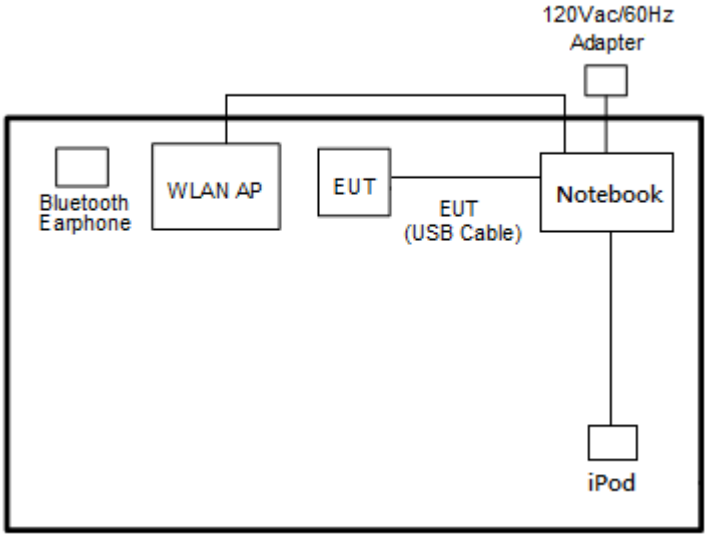
<For CDD Mode>



<For TXBF Mode>



<For AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U B1	N/A	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude E3340	FCC DoC/ Contains FCC ID: PD97260NGU	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	DELL	Latitude E5570	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Notebook	Lenovo	G480	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
7.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT V.3.0-00271” was installed in 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 :	Kai Liao and Luffy Lin	Temperature :	21~25℃
		Relative Humidity :	51~54%

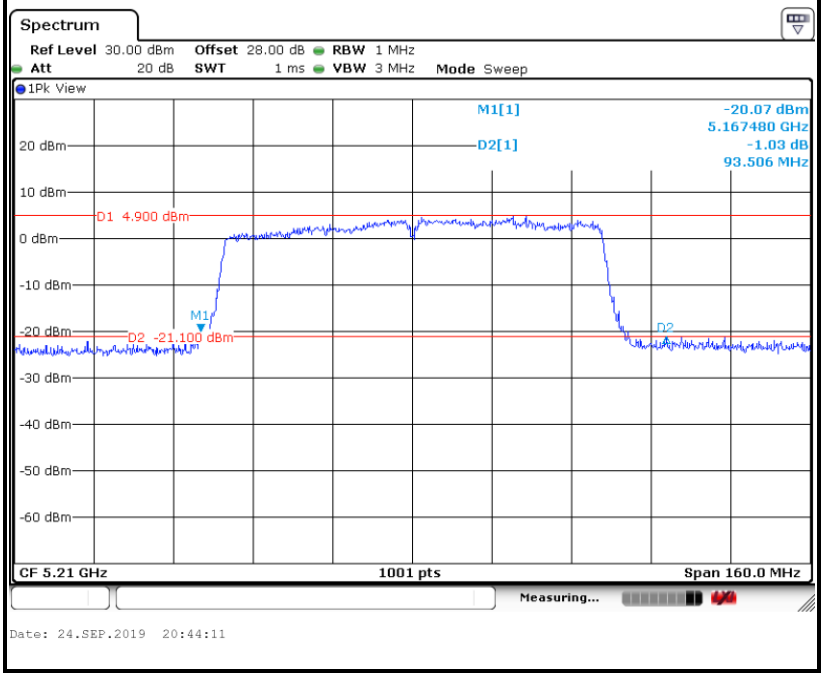
Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	18.03	17.93	26.77	26.12	-		22.56	22.54		-
11a	6Mbps	1	44	5220	17.98	17.93	26.57	25.97	-		22.55	22.54		-
11a	6Mbps	1	48	5240	17.98	17.93	26.22	26.07	-		22.55	22.54		-
VHT20	MCS0	1	36	5180	17.98	17.93	26.97	25.72	-		22.55	22.54		-
VHT20	MCS0	1	44	5220	17.98	17.93	26.67	25.87	-		22.55	22.54		-
VHT20	MCS0	1	48	5240	17.98	17.93	26.42	25.82	-		22.55	22.54		-
VHT40	MCS0	1	38	5190	36.56	36.56	41.63	41.81	-		23.01	23.01		-
VHT40	MCS0	1	46	5230	36.56	36.46	41.99	41.99	-		23.01	23.01		-
VHT80	MCS0	1	42	5210	76.24	76.12	83.92	84.88	-		23.01	23.01		-
11a	6Mbps	2	36	5180	16.88	16.78	26.07	24.98	-		22.25		-	-
11a	6Mbps	2	44	5220	16.93	16.78	25.87	24.83	-		22.25			-
11a	6Mbps	2	48	5240	16.93	16.78	25.82	25.57	-		22.25			-
VHT20	MCS0	2	36	5180	18.08	18.03	26.97	25.62	-		22.56			-
VHT20	MCS0	2	44	5220	18.08	17.98	26.77	26.22	-		22.55			-
VHT20	MCS0	2	48	5240	18.08	17.98	27.77	25.92	-		22.55			-
VHT40	MCS0	2	38	5190	36.76	36.66	41.99	42.35	-		23.01			-
VHT40	MCS0	2	46	5230	36.76	36.66	41.81	42.26	-		23.01			-
VHT80	MCS0	2	42	5210	76.72	76.84	85.99	93.51	-		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	17.93	17.93	26.32	26.12	23.54	23.54	29.54	29.54	23.98	23.98	-
11a	6Mbps	1	60	5300	17.93	17.93	25.97	25.82	23.54	23.54	29.54	29.54	23.98	23.98	-
11a	6Mbps	1	64	5320	17.93	17.98	25.52	26.07	23.54	23.55	29.54	29.55	23.98	23.98	-
VHT20	MCS0	1	52	5260	17.98	17.93	26.72	25.97	23.55	23.54	29.55	29.54	23.98	23.98	-
VHT20	MCS0	1	60	5300	17.98	17.93	26.07	25.77	23.55	23.54	29.55	29.54	23.98	23.98	-
VHT20	MCS0	1	64	5320	17.93	17.93	25.82	25.67	23.54	23.54	29.54	29.54	23.98	23.98	-
VHT40	MCS0	1	54	5270	36.56	36.56	42.08	42.17	23.98	23.98	30.00	30.00	23.98	23.98	-
VHT40	MCS0	1	62	5310	36.56	36.56	41.81	42.26	23.98	23.98	30.00	30.00	23.98	23.98	-
VHT80	MCS0	1	58	5290	76.24	76.24	83.60	83.12	23.98	23.98	30.00	30.00	23.98	23.98	-
11a	6Mbps	2	52	5260	16.83	16.83	26.07	24.53	23.26		29.26		23.98		-
11a	6Mbps	2	60	5300	16.88	16.83	24.78	24.48	23.26		29.26		23.98		-
11a	6Mbps	2	64	5320	16.83	16.78	24.68	24.78	23.25		29.25		23.98		-
VHT20	MCS0	2	52	5260	18.03	17.98	26.17	26.27	23.55		29.55		23.98		-
VHT20	MCS0	2	60	5300	17.98	17.98	27.57	26.52	23.55		29.55		23.98		-
VHT20	MCS0	2	64	5320	18.13	17.98	26.22	25.28	23.55		29.55		23.98		-
VHT40	MCS0	2	54	5270	36.56	36.66	42.26	41.99	23.98		30.00		23.98		-
VHT40	MCS0	2	62	5310	36.76	36.66	42.26	42.35	23.98		30.00		23.98		-
VHT80	MCS0	2	58	5290	76.84	76.96	83.28	83.28	23.98		30.00		23.98		-

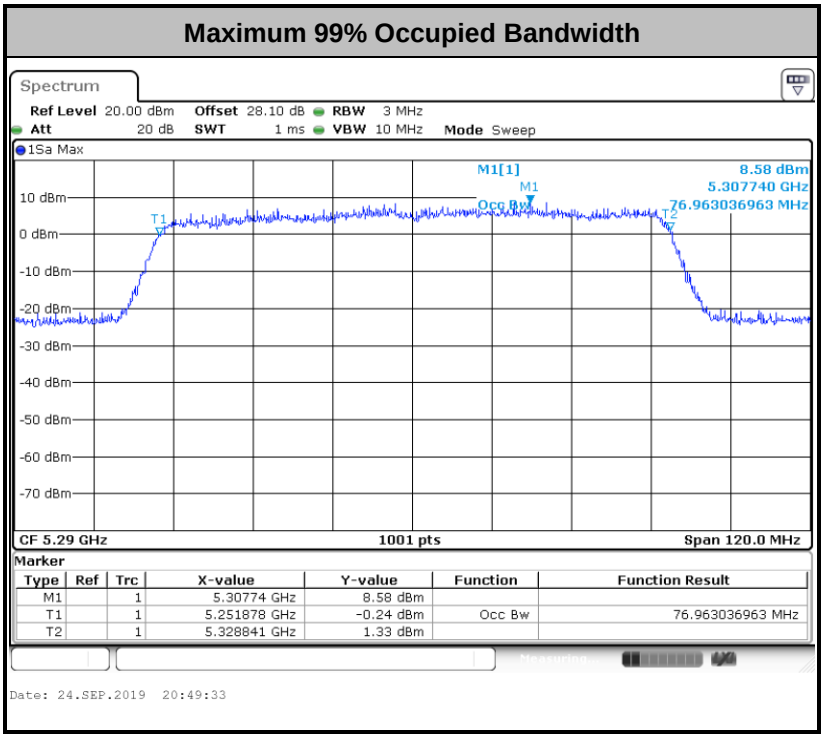
Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	17.98	17.93	26.17	25.52	23.55	23.54	29.55	29.54	23.98	23.98	-	-
11a	6Mbps	1	116	5580	17.93	17.93	26.42	25.47	23.54	23.54	29.54	29.54	23.98	23.98	-	-
11a	6Mbps	1	140	5700	17.98	17.93	26.17	25.67	23.55	23.54	29.55	29.54	23.98	23.98	-	-
11a	6Mbps	1	144	5720	13.94	13.94	17.34	18.09	22.44	22.44	28.44	28.44	23.39	23.57	3.141	3.141
VHT20	MCS0	1	100	5500	17.98	17.93	25.97	25.82	23.55	23.54	29.55	29.54	23.98	23.98	-	-
VHT20	MCS0	1	116	5580	17.93	17.98	26.47	25.77	23.54	23.55	29.54	29.55	23.98	23.98	-	-
VHT20	MCS0	1	140	5700	17.93	17.93	25.62	26.57	23.54	23.54	29.54	29.54	23.98	23.98	-	-
VHT20	MCS0	1	144	5720	13.94	13.99	17.74	17.74	22.44	22.46	28.44	28.46	23.49	23.49	2.592	3.141
VHT40	MCS0	1	102	5510	36.56	36.66	41.81	42.35	23.98	23.98	30.00	30.00	23.98	23.98	-	-
VHT40	MCS0	1	110	5550	36.66	36.66	42.08	42.08	23.98	23.98	30.00	30.00	23.98	23.98	-	-
VHT40	MCS0	1	134	5670	36.66	36.56	42.35	42.26	23.98	23.98	30.00	30.00	23.98	23.98	-	-
VHT40	MCS0	1	142	5710	33.18	33.18	35.95	35.95	23.98	23.98	30.00	30.00	23.98	23.98	3.162	2.802
VHT80	MCS0	1	106	5530	76.24	76.24	84.72	84.72	23.98	23.98	30.00	30.00	23.98	23.98	-	-
VHT80	MCS0	1	122	5610	76.36	76.36	84.72	84.72	23.98	23.98	30.00	30.00	23.98	23.98	-	-
VHT80	MCS0	1	138	5690	72.88	72.88	77.20	77.52	23.98	23.98	30.00	30.00	23.98	23.98	2.725	2.565
11a	6Mbps	2	100	5500	16.83	16.83	24.88	24.73	23.26		29.26		23.98		-	-
11a	6Mbps	2	116	5580	16.83	16.78	24.88	24.78	23.25		29.25		23.98		-	-
11a	6Mbps	2	140	5700	16.93	16.88	25.03	25.28	23.27		29.27		23.98		-	-
11a	6Mbps	2	144	5720	16.93	13.39	17.39	17.34	22.27		28.27		23.39		3.142	3.142
VHT20	MCS0	2	100	5500	18.03	18.03	26.12	26.62	23.56		29.56		23.98		-	-
VHT20	MCS0	2	116	5580	17.98	17.93	26.57	25.52	23.54		29.54		23.98		-	-
VHT20	MCS0	2	140	5700	17.98	18.03	25.72	25.62	23.55		29.55		23.98		-	-
VHT20	MCS0	2	144	5720	13.94	13.94	17.64	17.79	22.44		28.44		23.46		2.593	3.192

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
VHT40	MCS0	2	102	5510	36.56	36.66	42.53	42.08	23.98		30.00		23.98		-	-
VHT40	MCS0	2	110	5550	36.76	36.66	42.35	42.17	23.98		30.00		23.98		-	-
VHT40	MCS0	2	134	5670	36.76	36.76	42.71	42.17	23.98		30.00		23.98		-	-
VHT40	MCS0	2	142	5710	33.08	33.28	35.95	35.95	23.98		30.00		23.98		2.893	3.162
VHT80	MCS0	2	106	5530	76.84	76.72	85.83	85.99	23.98		30.00		23.98		-	-
VHT80	MCS0	2	122	5610	76.84	76.96	83.76	85.36	23.98		30.00		23.98		-	-
VHT80	MCS0	2	138	5690	73.12	73.24	76.72	77.04	23.98		30.00		23.98		2.720	2.570

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

<TXBF Modes>

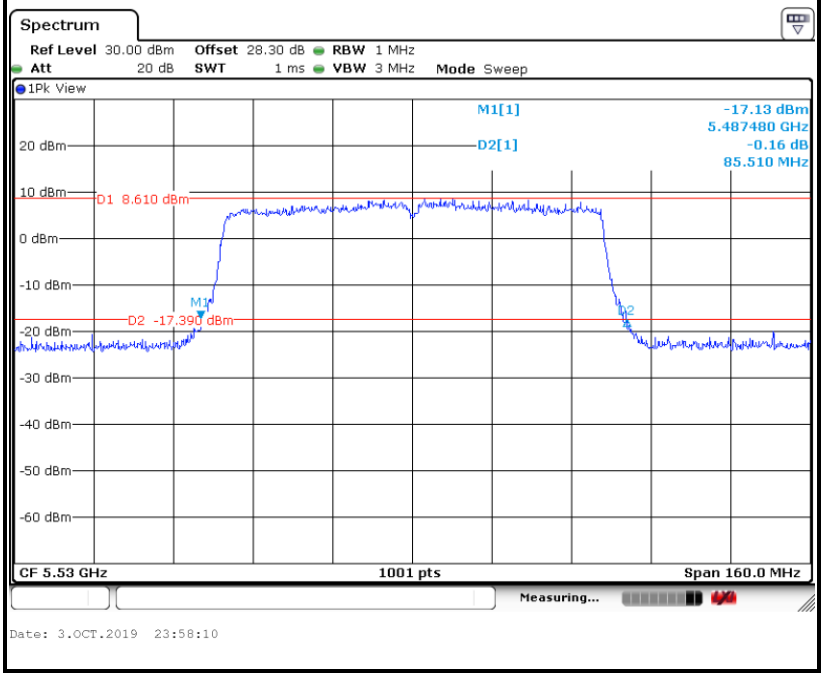
Test Engineer :	Kai Liao	Temperature :	21~25℃
		Relative Humidity :	51~54%

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		-	Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	36	5180	17.83	19.28	23.43	28.77	-		22.51		-	-
VHT20	MCS0	2	44	5220	17.78	19.53	23.78	27.82	-		22.50			-
VHT20	MCS0	2	48	5240	17.88	19.33	23.93	28.57	-		22.52			-
VHT40	MCS0	2	38	5190	36.66	36.66	41.18	42.71	-		23.01			-
VHT40	MCS0	2	46	5230	36.86	36.66	41.00	42.71	-		23.01			-
VHT80	MCS0	2	42	5210	76.72	76.72	84.24	84.88	-		23.01			-

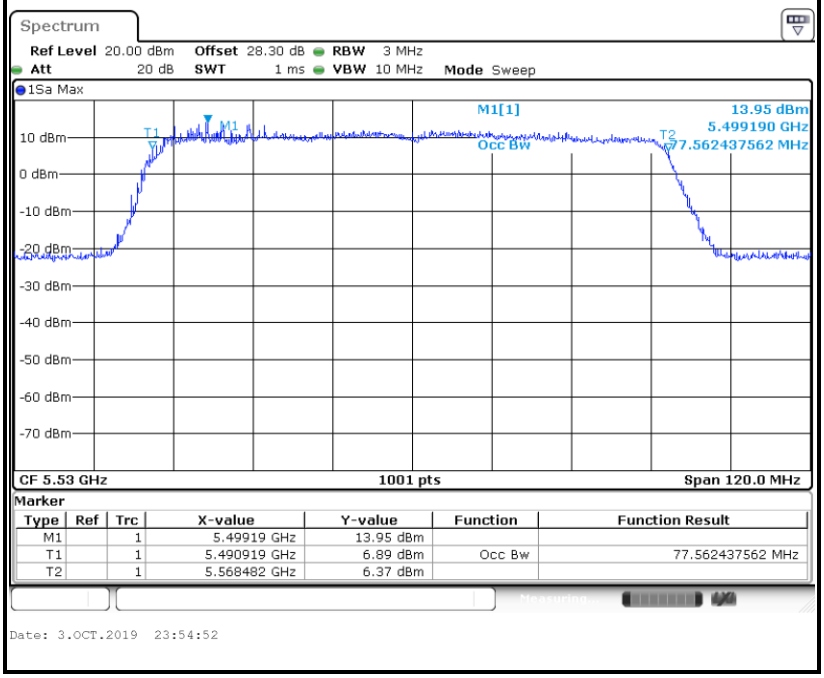
Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	52	5260	17.83	19.43	23.83	27.92	23.51		29.51		23.98		-
VHT20	MCS0	2	60	5300	17.93	19.33	23.68	28.72	23.54		29.54		23.98		-
VHT20	MCS0	2	64	5320	17.78	19.38	23.98	27.77	23.50		29.50		23.98		-
VHT40	MCS0	2	54	5270	36.86	36.56	41.18	42.62	23.98		30.00		23.98		-
VHT40	MCS0	2	62	5310	37.06	36.56	42.71	42.53	23.98		30.00		23.98		-
VHT80	MCS0	2	58	5290	76.96	76.84	84.24	85.19	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	17.83	19.38	23.78	28.37	23.51		29.51		23.98		-	-
VHT20	MCS0	2	116	5580	17.88	19.38	23.98	28.27	23.52		29.52		23.98		-	-
VHT20	MCS0	2	140	5700	17.83	19.48	23.93	28.17	23.51		29.51		23.98		-	-
VHT20	MCS0	2	144	5720	13.84	14.59	16.94	18.64	22.41		28.41		23.29		2.593	3.791
VHT40	MCS0	2	102	5510	36.96	36.66	42.89	42.89	23.98		30.00		23.98		-	-
VHT40	MCS0	2	110	5550	36.76	36.66	41.81	43.25	23.98		30.00		23.98		-	-
VHT40	MCS0	2	134	5670	36.96	36.66	41.72	42.80	23.98		30.00		23.98		-	-
VHT40	MCS0	2	142	5710	33.48	33.28	35.59	36.40	23.98		30.00		23.98		2.622	3.252
VHT80	MCS0	2	106	5530	77.56	76.84	84.40	85.51	23.98		30.00		23.98		-	-
VHT80	MCS0	2	122	5610	77.20	76.96	83.76	84.88	23.98		30.00		23.98		-	-
VHT80	MCS0	2	138	5690	73.60	73.24	76.88	77.20	23.98		30.00		23.98		2.57	3.2

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

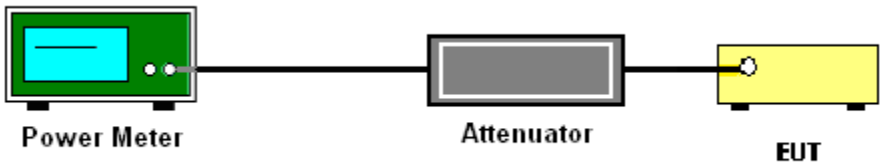
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

<CDD Mode>

Test Engineer :	Kai Liao and Luffy Lin	Temperature :	21~25℃
		Relative Humidity :	51~54%

FCC Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		-	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	17.40	17.10		24.00	24.00	4.70	4.27		Pass
11a	6Mbps	1	44	5220	17.40	17.10		24.00	24.00	4.70	4.27		Pass
11a	6Mbps	1	48	5240	17.40	17.20		24.00	24.00	4.70	4.27		Pass
HT20	MCS0	1	36	5180	17.30	17.00		24.00	24.00	4.70	4.27		Pass
HT20	MCS0	1	44	5220	17.30	17.00		24.00	24.00	4.70	4.27		Pass
HT20	MCS0	1	48	5240	17.30	17.00		24.00	24.00	4.70	4.27		Pass
HT40	MCS0	1	38	5190	16.40	16.90		24.00	24.00	4.70	4.27		Pass
HT40	MCS0	1	46	5230	17.00	16.90	-	24.00	24.00	4.70	4.27		Pass
VHT20	MCS0	1	36	5180	17.40	17.10		24.00	24.00	4.70	4.27		Pass
VHT20	MCS0	1	44	5220	17.40	17.10		24.00	24.00	4.70	4.27		Pass
VHT20	MCS0	1	48	5240	17.40	17.10		24.00	24.00	4.70	4.27		Pass
VHT40	MCS0	1	38	5190	16.60	17.00		24.00	24.00	4.70	4.27		Pass
VHT40	MCS0	1	46	5230	17.10	17.10		24.00	24.00	4.70	4.27	-	Pass
VHT80	MCS0	1	42	5210	16.40	15.90		24.00	24.00	4.70	4.27		Pass
11a	6Mbps	2	36	5180	17.10	16.60	19.87	24.00		4.70			Pass
11a	6Mbps	2	44	5220	17.10	16.70	19.91	24.00		4.70			Pass
11a	6Mbps	2	48	5240	17.30	16.90	20.11	24.00		4.70			Pass
HT20	MCS0	2	36	5180	17.50	16.90	20.22	24.00		4.70			Pass
HT20	MCS0	2	44	5220	17.50	17.00	20.27	24.00		4.70			Pass
HT20	MCS0	2	48	5240	17.50	17.00	20.27	24.00		4.70			Pass
HT40	MCS0	2	38	5190	15.60	15.20	18.41	24.00		4.70			Pass
HT40	MCS0	2	46	5230	18.20	17.90	21.06	24.00		4.70			Pass
VHT20	MCS0	2	36	5180	17.60	17.00	20.32	24.00		4.70			Pass
VHT20	MCS0	2	44	5220	17.60	17.10	20.37	24.00		4.70			Pass
VHT20	MCS0	2	48	5240	17.60	17.10	20.37	24.00		4.70			Pass
VHT40	MCS0	2	38	5190	15.60	15.30	18.46	24.00		4.70			Pass
VHT40	MCS0	2	46	5230	18.30	17.90	21.11	24.00		4.70		-	Pass
VHT80	MCS0	2	42	5210	12.90	12.70	15.81	24.00		4.70			Pass

FCC Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	17.10	17.10	-	23.98	23.98	4.85	4.41	30	Pass
11a	6Mbps	1	60	5300	17.10	17.10		23.98	23.98	4.85	4.41	30	Pass
11a	6Mbps	1	64	5320	17.10	17.10		23.98	23.98	4.85	4.41	30	Pass
HT20	MCS0	1	52	5260	17.10	17.10		23.98	23.98	4.85	4.41	30	Pass
HT20	MCS0	1	60	5300	17.10	17.10		23.98	23.98	4.85	4.41	30	Pass
HT20	MCS0	1	64	5320	17.10	17.10		23.98	23.98	4.85	4.41	30	Pass
HT40	MCS0	1	54	5270	17.10	17.10		23.98	23.98	4.85	4.41	30	Pass
HT40	MCS0	1	62	5310	17.10	17.20		23.98	23.98	4.85	4.41	30	Pass
VHT20	MCS0	1	52	5260	17.20	17.20		23.98	23.98	4.85	4.41	30	Pass
VHT20	MCS0	1	60	5300	17.20	17.20		23.98	23.98	4.85	4.41	30	Pass
VHT20	MCS0	1	64	5320	17.20	17.20		23.98	23.98	4.85	4.41	30	Pass
VHT40	MCS0	1	54	5270	17.20	17.20		23.98	23.98	4.85	4.41	30	Pass
VHT40	MCS0	1	62	5310	17.20	17.30		23.98	23.98	4.85	4.41	30	Pass
VHT80	MCS0	1	58	5290	15.80	14.90		23.98	23.98	4.85	4.41	30	Pass
11a	6Mbps	2	52	5260	17.30	16.80	20.07	23.98		4.85		30	Pass
11a	6Mbps	2	60	5300	17.20	16.70	19.97	23.98		4.85		30	Pass
11a	6Mbps	2	64	5320	17.10	16.70	19.91	23.98		4.85		30	Pass
HT20	MCS0	2	52	5260	17.50	17.00	20.27	23.98		4.85		30	Pass
HT20	MCS0	2	60	5300	17.40	17.00	20.21	23.98		4.85		30	Pass
HT20	MCS0	2	64	5320	17.30	17.00	20.16	23.98		4.85		30	Pass
HT40	MCS0	2	54	5270	18.10	17.50	20.82	23.98		4.85		30	Pass
HT40	MCS0	2	62	5310	14.10	13.70	16.91	23.98		4.85		30	Pass
VHT20	MCS0	2	52	5260	17.60	17.10	20.37	23.98		4.85		30	Pass
VHT20	MCS0	2	60	5300	17.50	17.10	20.31	23.98		4.85		30	Pass
VHT20	MCS0	2	64	5320	17.40	17.10	20.26	23.98		4.85		30	Pass
VHT40	MCS0	2	54	5270	18.20	17.60	20.92	23.98		4.85		30	Pass
VHT40	MCS0	2	62	5310	14.10	13.80	16.96	23.98		4.85		30	Pass
VHT80	MCS0	2	58	5290	10.80	10.50	13.66	23.98		4.85		30	Pass

FCC Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	17.40	17.30		23.98	23.98	5.08	5.05	30	Pass
11a	6Mbps	1	116	5580	17.40	17.30		23.98	23.98	5.08	5.05	30	Pass
11a	6Mbps	1	140	5700	17.30	17.20		23.98	23.98	5.08	5.05	30	Pass
11a	6Mbps	1	144	5720	17.40	17.40		23.39	23.57	5.08	5.05	30	Pass
HT20	MCS0	1	100	5500	17.20	17.10		23.98	23.98	5.08	5.05	30	Pass
HT20	MCS0	1	116	5580	17.20	17.10		23.98	23.98	5.08	5.05	30	Pass
HT20	MCS0	1	140	5700	17.10	17.20		23.98	23.98	5.08	5.05	30	Pass
HT20	MCS0	1	144	5720	17.20	17.20		23.49	23.49	5.08	5.05	30	Pass
HT40	MCS0	1	102	5510	17.30	17.10		23.98	23.98	5.08	5.05	30	Pass
HT40	MCS0	1	110	5550	17.30	17.10		23.98	23.98	5.08	5.05	30	Pass
HT40	MCS0	1	134	5670	17.20	17.10		23.98	23.98	5.08	5.05	30	Pass
HT40	MCS0	1	142	5710	17.30	17.20	-	23.98	23.98	5.08	5.05	30	Pass
VHT20	MCS0	1	100	5500	17.30	17.20		23.98	23.98	5.08	5.05	30	Pass
VHT20	MCS0	1	116	5580	17.30	17.20		23.98	23.98	5.08	5.05	30	Pass
VHT20	MCS0	1	140	5700	17.20	17.30		23.98	23.98	5.08	5.05	30	Pass
VHT20	MCS0	1	144	5720	17.30	17.30		23.49	23.49	5.08	5.05	30	Pass
VHT40	MCS0	1	102	5510	17.40	17.30		23.98	23.98	5.08	5.05	30	Pass
VHT40	MCS0	1	110	5550	17.40	17.30		23.98	23.98	5.08	5.05	30	Pass
VHT40	MCS0	1	134	5670	17.30	17.30		23.98	23.98	5.08	5.05	30	Pass
VHT40	MCS0	1	142	5710	17.40	17.40		23.98	23.98	5.08	5.05	30	Pass
VHT80	MCS0	1	106	5530	17.40	16.80		23.98	23.98	5.08	5.05	30	Pass
VHT80	MCS0	1	122	5610	17.40	17.20		23.98	23.98	5.08	5.05	30	Pass
VHT80	MCS0	1	138	5690	17.30	17.10		23.98	23.98	5.08	5.05	30	Pass

FCC Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	16.70	16.50	19.61	23.98		5.08		30	Pass
11a	6Mbps	2	116	5580	16.70	16.40	19.56	23.98		5.08		30	Pass
11a	6Mbps	2	140	5700	16.90	16.60	19.76	23.98		5.08		30	Pass
11a	6Mbps	2	144	5720	16.80	16.60	19.71	23.39		5.08		30	Pass
HT20	MCS0	2	100	5500	16.90	16.90	19.91	23.98		5.08		30	Pass
HT20	MCS0	2	116	5580	17.00	16.80	19.91	23.98		5.08		30	Pass
HT20	MCS0	2	140	5700	17.30	17.00	20.16	23.98		5.08		30	Pass
HT20	MCS0	2	144	5720	16.80	16.30	19.57	23.46		5.08		30	Pass
HT40	MCS0	2	102	5510	17.70	17.40	20.56	23.98		5.08		30	Pass
HT40	MCS0	2	110	5550	17.60	17.50	20.56	23.98		5.08		30	Pass
HT40	MCS0	2	134	5670	17.50	17.40	20.46	23.98		5.08		30	Pass
HT40	MCS0	2	142	5710	17.50	17.20	20.36	23.98		5.08		30	Pass
VHT20	MCS0	2	100	5500	17.00	17.00	20.01	23.98		5.08		30	Pass
VHT20	MCS0	2	116	5580	17.10	16.90	20.01	23.98		5.08		30	Pass
VHT20	MCS0	2	140	5700	17.40	16.90	20.17	23.98		5.08		30	Pass
VHT20	MCS0	2	144	5720	16.90	16.40	19.67	23.46		5.08		30	Pass
VHT40	MCS0	2	102	5510	17.70	17.50	20.61	23.98		5.08		30	Pass
VHT40	MCS0	2	110	5550	17.70	17.50	20.61	23.98		5.08		30	Pass
VHT40	MCS0	2	134	5670	17.60	17.50	20.56	23.98		5.08		30	Pass
VHT40	MCS0	2	142	5710	17.60	17.20	20.41	23.98		5.08		30	Pass
VHT80	MCS0	2	106	5530	13.40	13.30	16.36	23.98		5.08		30	Pass
VHT80	MCS0	2	122	5610	17.90	17.70	20.81	23.98		5.08		30	Pass
VHT80	MCS0	2	138	5690	17.80	17.60	20.71	23.98		5.08		30	Pass

<TXBF Mode>

Test Engineer :	Kai Liao	Temperature :	21~25℃
		Relative Humidity :	51~54%

FCC Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		-	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	36	5180	14.30	16.10	18.30	22.50		7.50		-	Pass
VHT20	MCS0	2	44	5220	14.50	16.20	18.44	22.50		7.50			Pass
VHT20	MCS0	2	48	5240	14.50	16.20	18.44	22.50		7.50			Pass
VHT40	MCS0	2	38	5190	15.20	16.70	19.02	22.50		7.50			Pass
VHT40	MCS0	2	46	5230	17.10	18.30	20.75	22.50		7.50			Pass
VHT80	MCS0	2	42	5210	15.90	16.70	19.33	22.50		7.50			Pass

FCC Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	52	5260	14.50	16.20	18.44	22.34		7.64		30	Pass
VHT20	MCS0	2	60	5300	14.40	16.30	18.46	22.34		7.64		30	Pass
VHT20	MCS0	2	64	5320	14.50	16.30	18.50	22.34		7.64		30	Pass
VHT40	MCS0	2	54	5270	16.60	18.20	20.48	22.34		7.64		30	Pass
VHT40	MCS0	2	62	5310	15.10	16.40	18.81	22.34		7.64		30	Pass
VHT80	MCS0	2	58	5290	13.00	13.60	16.32	22.34		7.64		30	Pass

FCC Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	100	5500	14.20	16.00	18.20	21.90		8.08		30	Pass
VHT20	MCS0	2	116	5580	14.40	16.20	18.40	21.90		8.08		30	Pass
VHT20	MCS0	2	140	5700	14.30	15.80	18.12	21.90		8.08		30	Pass
VHT20	MCS0	2	144	5720	14.40	15.90	18.22	21.21		8.08		30	Pass
VHT40	MCS0	2	102	5510	16.70	17.90	20.35	21.90		8.08		30	Pass
VHT40	MCS0	2	110	5550	16.90	17.80	20.38	21.90		8.08		30	Pass
VHT40	MCS0	2	134	5670	17.00	18.00	20.54	21.90		8.08		30	Pass
VHT40	MCS0	2	142	5710	16.70	17.80	20.30	21.90		8.08		30	Pass
VHT80	MCS0	2	106	5530	15.70	16.40	19.07	21.90		8.08		30	Pass
VHT80	MCS0	2	122	5610	17.20	17.50	20.36	21.90		8.08		30	Pass
VHT80	MCS0	2	138	5690	16.90	17.60	20.27	21.90		8.08		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>

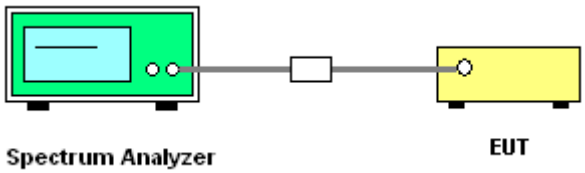
 # Method SA-3 #

(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 Modes>

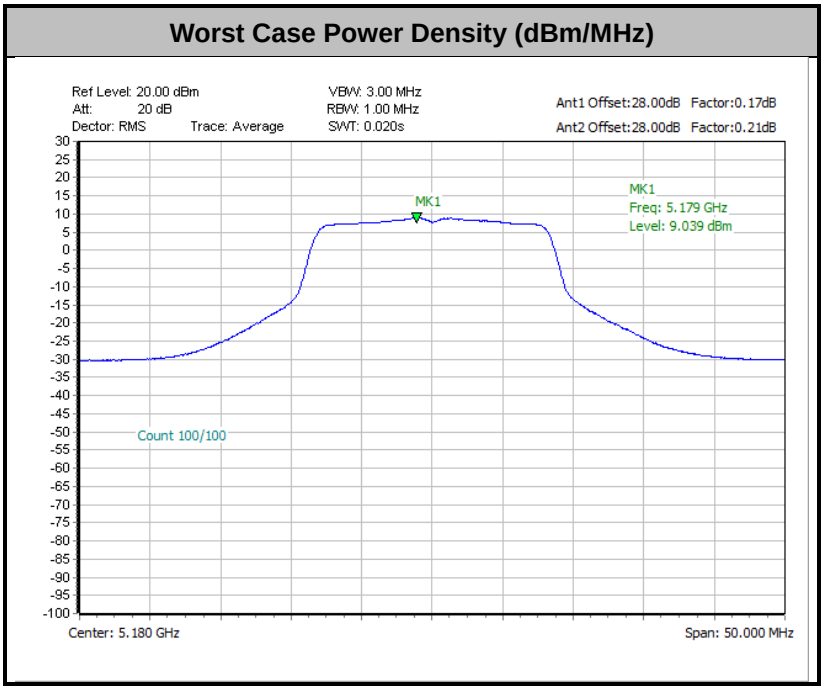
Test Engineer :	Kai Liao and Luffy Lin	Temperature :	21~25℃
		Relative Humidity :	51~54%

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	0.19	0.18	6.60	6.15		11.00	11.00	4.70	4.27		Pass
11a	6Mbps	1	44	5220	0.19	0.18	6.66	6.25		11.00	11.00	4.70	4.27		Pass
11a	6Mbps	1	48	5240	0.19	0.18	6.68	6.22		11.00	11.00	4.70	4.27		Pass
VHT20	MCS0	1	36	5180	0.22	0.20	6.54	5.87		11.00	11.00	4.70	4.27		Pass
VHT20	MCS0	1	44	5220	0.22	0.20	6.45	5.90	-	11.00	11.00	4.70	4.27		Pass
VHT20	MCS0	1	48	5240	0.22	0.20	6.41	6.06		11.00	11.00	4.70	4.27		Pass
VHT40	MCS0	1	38	5190	0.39	0.39	2.64	3.05		11.00	11.00	4.70	4.27		Pass
VHT40	MCS0	1	46	5230	0.39	0.39	3.18	3.23		11.00	11.00	4.70	4.27		Pass
VHT80	MCS0	1	42	5210	0.50	0.45	-0.76	-1.13		11.00	11.00	4.70	4.27		Pass
11a	6Mbps	2	36	5180	0.17	0.21			9.04	9.50		7.50		-	Pass
11a	6Mbps	2	44	5220	0.17	0.21			8.81	9.50		7.50			Pass
11a	6Mbps	2	48	5240	0.17	0.21			8.94	9.50		7.50			Pass
VHT20	MCS0	2	36	5180	0.21	0.22			8.91	9.50		7.50			Pass
VHT20	MCS0	2	44	5220	0.21	0.22		-	8.97	9.50		7.50			Pass
VHT20	MCS0	2	48	5240	0.21	0.22			8.96	9.50		7.50			Pass
VHT40	MCS0	2	38	5190	0.32	0.35			4.05	9.50		7.50			Pass
VHT40	MCS0	2	46	5230	0.32	0.35			7.26	9.50		7.50			Pass
VHT80	MCS0	2	42	5210	0.47	0.43			-1.73	9.50		7.50			Pass

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.19	0.18	6.27	5.97		11.00	11.00	4.85	4.41		Pass
11a	6Mbps	1	60	5300	0.19	0.18	6.27	6.11		11.00	11.00	4.85	4.41		Pass
11a	6Mbps	1	64	5320	0.19	0.18	6.20	6.23		11.00	11.00	4.85	4.41		Pass
VHT20	MCS0	1	52	5260	0.22	0.20	5.94	5.68		11.00	11.00	4.85	4.41		Pass
VHT20	MCS0	1	60	5300	0.22	0.20	5.93	5.69	-	11.00	11.00	4.85	4.41		Pass
VHT20	MCS0	1	64	5320	0.22	0.20	5.85	5.72		11.00	11.00	4.85	4.41		Pass
VHT40	MCS0	1	54	5270	0.39	0.39	3.10	3.07		11.00	11.00	4.85	4.41		Pass
VHT40	MCS0	1	62	5310	0.39	0.39	3.20	3.24		11.00	11.00	4.85	4.41		Pass
VHT80	MCS0	1	58	5290	0.50	0.45	-1.45	-2.33		11.00	11.00	4.85	4.41		Pass
11a	6Mbps	2	52	5260	0.17	0.21			9.02	9.36		7.64		-	Pass
11a	6Mbps	2	60	5300	0.17	0.21			8.94	9.36		7.64			Pass
11a	6Mbps	2	64	5320	0.17	0.21			8.88	9.36		7.64			Pass
VHT20	MCS0	2	52	5260	0.21	0.22			8.96	9.36		7.64			Pass
VHT20	MCS0	2	60	5300	0.21	0.22			8.94	9.36		7.64			Pass
VHT20	MCS0	2	64	5320	0.21	0.22			8.96	9.36		7.64			Pass
VHT40	MCS0	2	54	5270	0.32	0.35			6.46	9.36		7.64			Pass
VHT40	MCS0	2	62	5310	0.32	0.35			2.63	9.36		7.64			Pass
VHT80	MCS0	2	58	5290	0.47	0.43			-3.84	9.36		7.64			Pass

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.19	0.18	6.58	6.39		11.00	11.00	5.08	5.05		Pass
11a	6Mbps	1	116	5580	0.19	0.18	6.67	6.43		11.00	11.00	5.08	5.05		Pass
11a	6Mbps	1	140	5700	0.19	0.18	6.46	6.07		11.00	11.00	5.08	5.05		Pass
11a	6Mbps	1	144	5720	0.19	0.18	6.45	6.46		11.00	11.00	5.08	5.05		Pass
VHT20	MCS0	1	100	5500	0.22	0.20	6.25	6.05		11.00	11.00	5.08	5.05		Pass
VHT20	MCS0	1	116	5580	0.22	0.20	6.27	6.23		11.00	11.00	5.08	5.05		Pass
VHT20	MCS0	1	140	5700	0.22	0.20	6.11	6.17		11.00	11.00	5.08	5.05		Pass
VHT20	MCS0	1	144	5720	0.22	0.20	6.24	6.14	-	11.00	11.00	5.08	5.05	-	Pass
VHT40	MCS0	1	102	5510	0.39	0.39	3.33	3.22		11.00	11.00	5.08	5.05		Pass
VHT40	MCS0	1	110	5550	0.39	0.39	3.23	3.44		11.00	11.00	5.08	5.05		Pass
VHT40	MCS0	1	134	5670	0.39	0.39	3.20	3.36		11.00	11.00	5.08	5.05		Pass
VHT40	MCS0	1	142	5710	0.39	0.39	3.48	3.64		11.00	11.00	5.08	5.05		Pass
VHT80	MCS0	1	106	5530	0.50	0.45	0.20	-0.55		11.00	11.00	5.08	5.05		Pass
VHT80	MCS0	1	122	5610	0.50	0.45	0.29	-0.13		11.00	11.00	5.08	5.05		Pass
VHT80	MCS0	1	138	5690	0.50	0.45	0.10	-0.12		11.00	11.00	5.08	5.05		Pass
11a	6Mbps	2	100	5500	0.17	0.21			8.40	8.92		8.08			Pass
11a	6Mbps	2	116	5580	0.17	0.21			8.59	8.92		8.08			Pass
11a	6Mbps	2	140	5700	0.17	0.21			8.44	8.92		8.08			Pass
11a	6Mbps	2	144	5720	0.17	0.21			8.75	8.92		8.08			Pass
VHT20	MCS0	2	100	5500	0.21	0.22			8.69	8.92		8.08			Pass
VHT20	MCS0	2	116	5580	0.21	0.22			8.40	8.92		8.08			Pass
VHT20	MCS0	2	140	5700	0.21	0.22			8.50	8.92		8.08			Pass
VHT20	MCS0	2	144	5720	0.21	0.22		-	8.47	8.92		8.08		-	Pass
VHT40	MCS0	2	102	5510	0.32	0.35			6.39	8.92		8.08			Pass
VHT40	MCS0	2	110	5550	0.32	0.35			6.60	8.92		8.08			Pass
VHT40	MCS0	2	134	5670	0.32	0.35			6.59	8.92		8.08			Pass
VHT40	MCS0	2	142	5710	0.32	0.35			6.52	8.92		8.08			Pass
VHT80	MCS0	2	106	5530	0.47	0.43			-1.03	8.92		8.08			Pass
VHT80	MCS0	2	122	5610	0.47	0.43			3.49	8.92		8.08			Pass
VHT80	MCS0	2	138	5690	0.47	0.43			3.34	8.92		8.08			Pass

Worst Case Power Density (dBm/MHz)



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

<TXBF Modes>

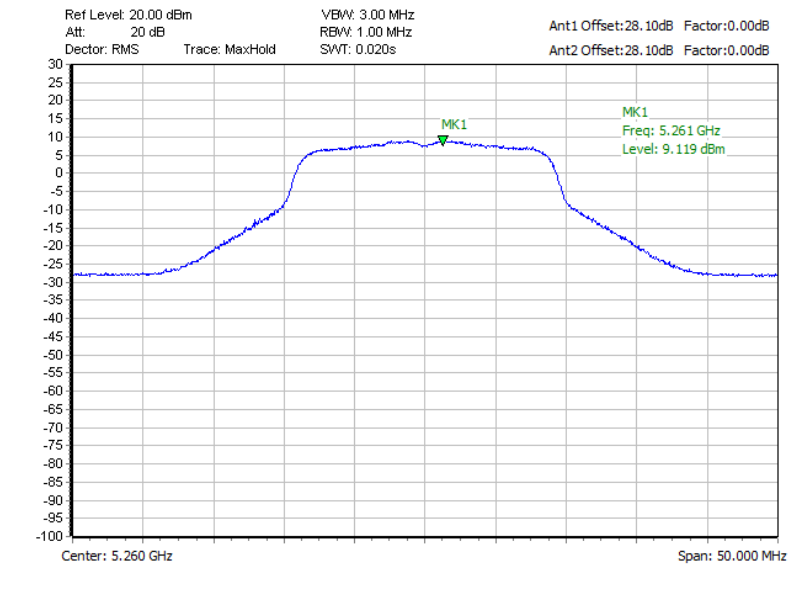
Test Engineer :	Kai Liao	**Temperature :**	21~25℃
		Relative Humidity :	51~54%

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	36	5180	0.00	0.00			9.06	9.50		7.50			Pass
VHT20	MCS0	2	44	5220	0.00	0.00			9.02	9.50		7.50			Pass
VHT20	MCS0	2	48	5240	0.00	0.00			9.03	9.50		7.50			Pass
VHT40	MCS0	2	38	5190	0.00	0.00			7.08	9.50		7.50			Pass
VHT40	MCS0	2	46	5230	0.00	0.00			9.11	9.50		7.50			Pass
VHT80	MCS0	2	42	5210	0.00	0.00			5.94	9.50		7.50			Pass

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	52	5260	0.00	0.00			9.12	9.36		7.64			Pass
VHT20	MCS0	2	60	5300	0.00	0.00			9.00	9.36		7.64			Pass
VHT20	MCS0	2	64	5320	0.00	0.00			9.01	9.36		7.64			Pass
VHT40	MCS0	2	54	5270	0.00	0.00			8.99	9.36		7.64			Pass
VHT40	MCS0	2	62	5310	0.00	0.00			7.32	9.36		7.64			Pass
VHT80	MCS0	2	58	5290	0.00	0.00			3.16	9.36		7.64			Pass

Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	100	5500	0.00	0.00			8.39	8.92		8.08		Pass
VHT20	MCS0	2	116	5580	0.00	0.00			8.73	8.92		8.08		Pass
VHT20	MCS0	2	140	5700	0.00	0.00			8.70	8.92		8.08		Pass
VHT20	MCS0	2	144	5720	0.00	0.00			8.68	8.92		8.08		Pass
VHT40	MCS0	2	102	5510	0.00	0.00			8.65	8.92		8.08		Pass
VHT40	MCS0	2	110	5550	0.00	0.00			8.62	8.92		8.08		Pass
VHT40	MCS0	2	134	5670	0.00	0.00			8.67	8.92		8.08		Pass
VHT40	MCS0	2	142	5710	0.00	0.00			8.44	8.92		8.08		Pass
VHT80	MCS0	2	106	5530	0.00	0.00			6.42	8.92		8.08		Pass
VHT80	MCS0	2	122	5610	0.00	0.00			7.77	8.92		8.08		Pass
VHT80	MCS0	2	138	5690	0.00	0.00			7.28	8.92		8.08		Pass

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

(3) KDB789033 D02 v02r01 G)2)c)

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

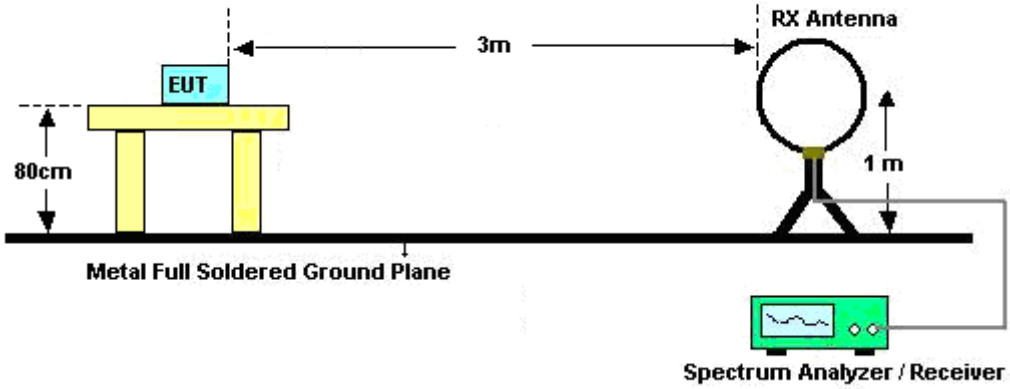
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

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

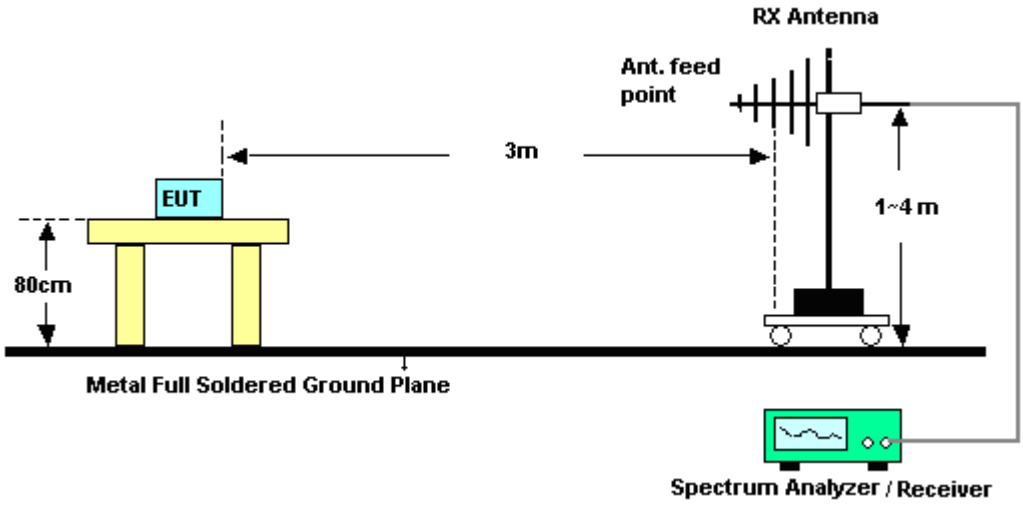
3.4.4 Test Setup

For radiated emissions below 30MHz

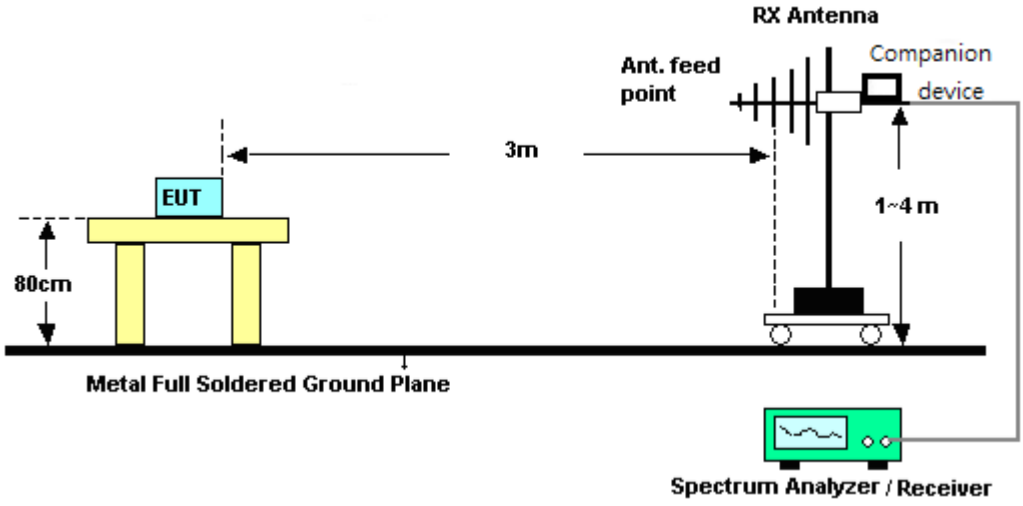


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

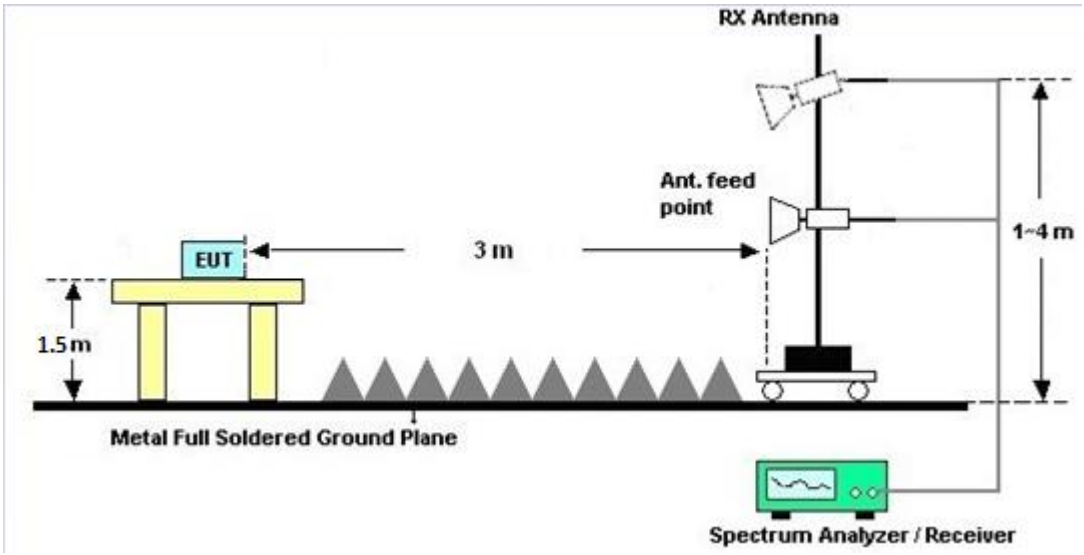


<TXBF Modes>

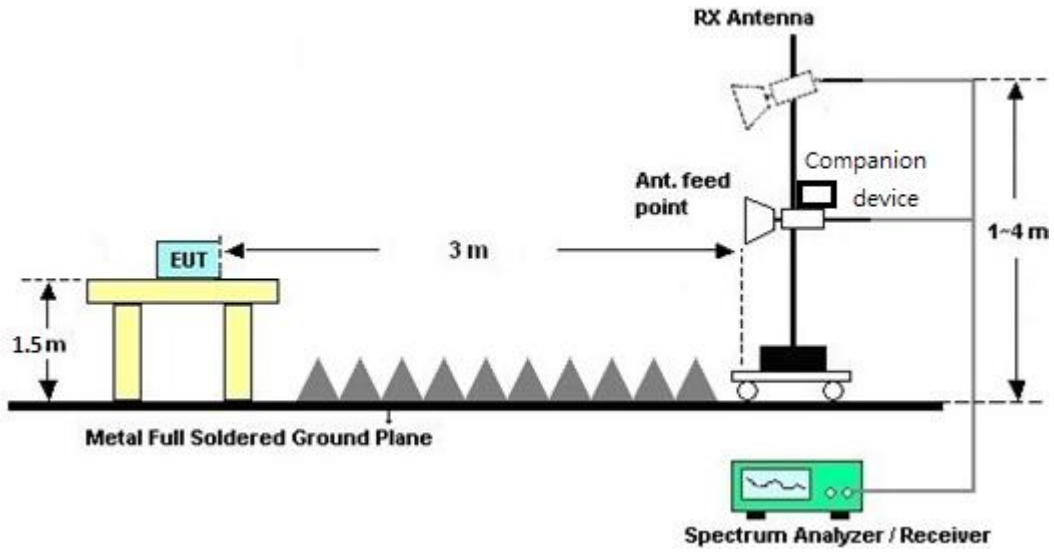


For radiated emissions above 1GHz

<CDD Mode>



<TXBF Modes>



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

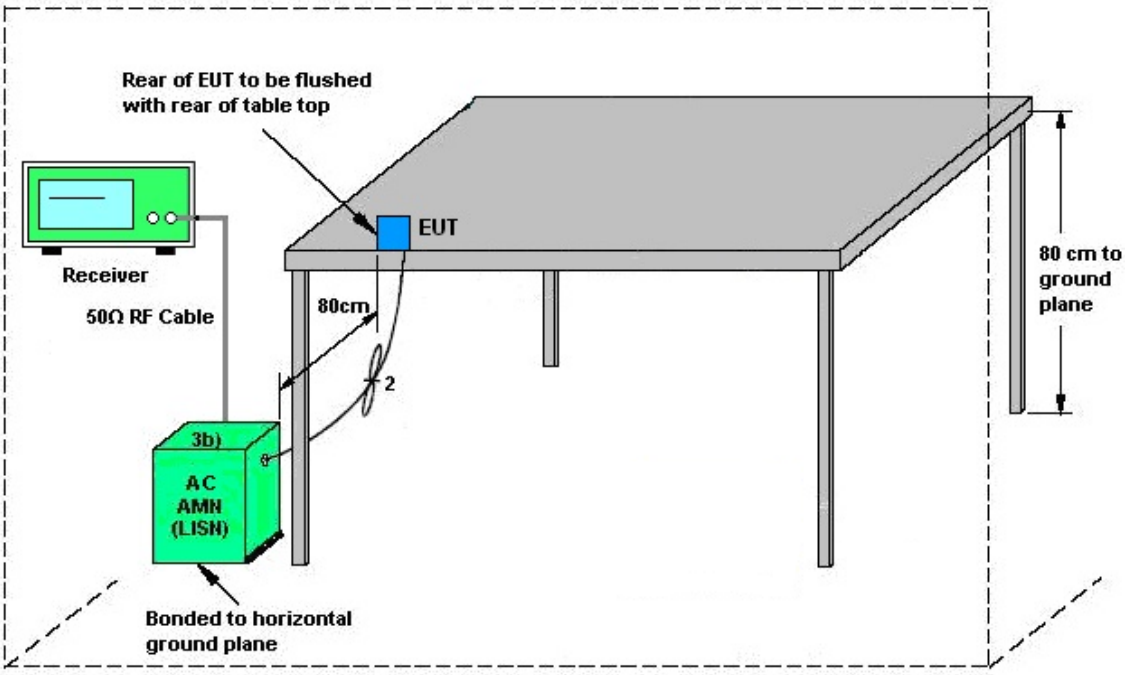
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	4.70	4.27	4.70	7.50	0.00	1.50
Band II	4.85	4.41	4.85	7.64	0.00	1.64
Band III	5.08	5.05	5.08	8.08	0.00	2.08

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

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

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	4.70	4.27	7.50	7.50	1.50	1.50
Band II	4.85	4.41	7.64	7.64	1.64	1.64
Band III	5.08	5.05	8.08	8.08	2.08	2.08

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

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

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 24, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 12, 2018	Aug. 24, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Aug. 24, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Aug. 24, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Aug. 24, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Aug. 24, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Aug. 24, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Sep. 09, 2019~ Sep. 23, 2019	Dec. 05, 2019	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 04, 2018	Sep. 09, 2019~ Sep. 23, 2019	Dec. 03, 2019	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D&N-6-06	35414&AT-N0602	30MHz~1GHz	Oct. 13, 2018	Sep. 09, 2019~ Sep. 23, 2019	Oct. 12, 2019	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Oct. 30, 2018	Sep. 09, 2019~ Sep. 23, 2019	Oct. 29, 2019	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Nov. 22, 2018	Sep. 09, 2019~ Sep. 23, 2019	Nov. 21, 2019	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 14, 2018	Sep. 09, 2019~ Sep. 23, 2019	Nov. 13, 2020	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHz	Oct. 19, 2018	Sep. 09, 2019~ Sep. 23, 2019	Oct. 18, 2019	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Sep. 09, 2019~ Sep. 23, 2019	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Sep. 09, 2019~ Sep. 23, 2019	N/A	Radiation (03CH11-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 20, 2019	Sep. 09, 2019~ Sep. 23, 2019	May 19, 2020	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55-303K	1710001800054002	1GHz~18GHz	Aug. 06, 2019	Sep. 09, 2019~ Sep. 23, 2019	Aug. 05, 2020	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 05, 2018	Sep. 09, 2019~ Sep. 23, 2019	Dec. 04, 2019	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Mar. 08, 2019	Sep. 09, 2019~ Sep. 23, 2019	Mar. 07, 2020	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Sep. 09, 2019~ Sep. 23, 2019	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz-30MHz	Mar. 13, 2019	Sep. 09, 2019~ Sep. 23, 2019	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 13, 2019	Sep. 09, 2019~ Sep. 23, 2019	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30M-18G	Mar. 13, 2019	Sep. 09, 2019~ Sep. 23, 2019	Mar. 12, 2020	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 13, 2019	Sep. 09, 2019~ Sep. 23, 2019	Mar. 12, 2020	Radiation (03CH11-HY)
Filter	Wainwright	WLJ4-1000-1530-6000-40ST	SN4	1.53GHz Low Pass Filter	Jul. 04, 2019	Sep. 09, 2019~ Sep. 23, 2019	Jul. 03, 2020	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN5	6.75GHz High Pass	Mar. 13, 2019	Sep. 09, 2019~ Sep. 23, 2019	Mar. 12, 2020	Radiation (03CH11-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RPR3006W	13I00030SNO 32	9kHz~6GHz	Dec. 03, 2018	Aug. 12, 2019 ~ Nov. 09, 2019	Dec. 02, 2019	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL883644	Voltage:0~20V; Current:0~5A	Oct. 16, 2018	Aug. 12, 2019 ~ Nov. 09, 2019	Oct. 15, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 13, 2018	Aug. 12, 2019 ~ Nov. 09, 2019	Nov. 12, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Aug. 12, 2019 ~ Nov. 09, 2019	Mar. 26, 2020	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

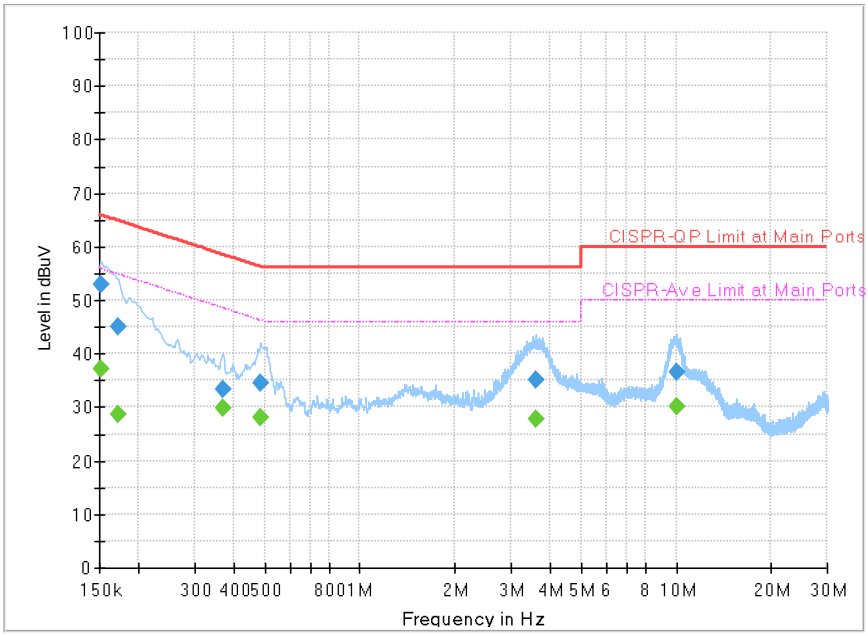
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.5**

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

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

Appendix A. AC Conducted Emission Test Results

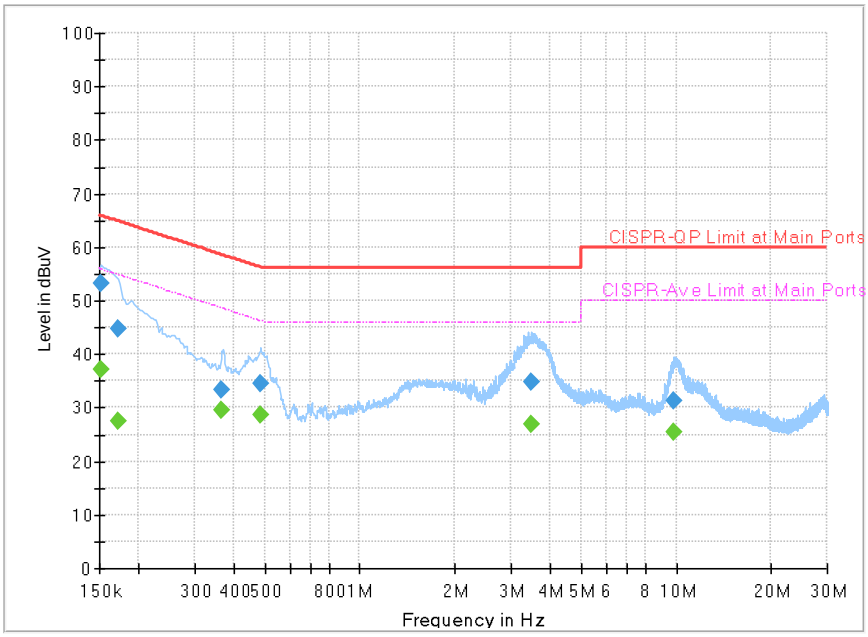
Test Engineer :	Louis Chung	**Temperature :**	25.2~26.2℃
		Relative Humidity :	47.4~58.2%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line



Final Result :

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	36.99	55.88	18.89	L1	OFF	19.4
0.152250	52.85	---	65.88	13.03	L1	OFF	19.4
0.172500	---	28.51	54.84	26.33	L1	OFF	19.4
0.172500	45.16	---	64.84	19.68	L1	OFF	19.4
0.368250	---	29.79	48.54	18.75	L1	OFF	19.4
0.368250	33.44	---	58.54	25.10	L1	OFF	19.4
0.483000	---	28.11	46.29	18.18	L1	OFF	19.4
0.483000	34.62	---	56.29	21.67	L1	OFF	19.4
3.603750	---	27.71	46.00	18.29	L1	OFF	19.5
3.603750	35.23	---	56.00	20.77	L1	OFF	19.5
10.000500	---	30.17	50.00	19.83	L1	OFF	19.6
10.000500	36.42	---	60.00	23.58	L1	OFF	19.6

Test Engineer :	Louis Chung	**Temperature :**	25.2~26.2℃
		Relative Humidity :	47.4~58.2%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral



Final Result :

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	37.06	55.88	18.82	N	OFF	19.4
0.152250	53.22	---	65.88	12.66	N	OFF	19.4
0.172500	---	27.47	54.84	27.37	N	OFF	19.4
0.172500	44.63	---	64.84	20.21	N	OFF	19.4
0.366000	---	29.52	48.59	19.07	N	OFF	19.4
0.366000	33.29	---	58.59	25.30	N	OFF	19.4
0.485250	---	28.54	46.25	17.71	N	OFF	19.5
0.485250	34.56	---	56.25	21.69	N	OFF	19.5
3.475500	---	26.95	46.00	19.05	N	OFF	19.5
3.475500	34.76	---	56.00	21.24	N	OFF	19.5
9.858750	---	25.47	50.00	24.53	N	OFF	19.7
9.858750	31.15	---	60.00	28.85	N	OFF	19.7

Appendix B. Radiated Spurious Emission

Test Engineer :	Bill Kuo, Fu Chen, Troye Hsieh, KenWu, Watt Tseng, and JC Liang	Temperature :	21.2 ~ 26.4°C
		Relative Humidity :	51.5 ~ 60.0%

<CDD Mode>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5133.38	56.42	-17.58	74	47.65	31.87	10.02	33.12	106	238	P	H
		5149.76	48.73	-5.27	54	39.92	31.9	10.03	33.12	106	238	A	H
	*	5180	114.27	-	-	105.6	31.72	10.07	33.12	106	238	P	H
	*	5180	106.47	-	-	97.8	31.72	10.07	33.12	106	238	A	H
													H
													H
		5148.46	53.69	-20.31	74	44.88	31.9	10.03	33.12	100	321	P	V
		5148.2	45.45	-8.55	54	36.64	31.9	10.03	33.12	100	321	A	V
	*	5180	109.68	-	-	101.01	31.72	10.07	33.12	100	321	P	V
	*	5180	101.87	-	-	93.2	31.72	10.07	33.12	100	321	A	V
													V
													V

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 44 5220MHz		5145.6	51.78	-22.22	74	42.98	31.89	10.03	33.12	100	238	P	H
		5145.6	45.02	-8.98	54	36.22	31.89	10.03	33.12	100	238	A	H
	*	5220	113.91	-	-	105.41	31.52	10.1	33.12	100	238	P	H
	*	5220	106.1	-	-	97.6	31.52	10.1	33.12	100	238	A	H
		5356.87	49.92	-24.08	74	41.55	31.34	10.14	33.11	100	238	P	H
		5376.04	42.52	-11.48	54	34.03	31.46	10.14	33.11	100	238	A	H
		5127.66	50.16	-23.84	74	41.41	31.86	10.01	33.12	100	263	P	V
		5150	41.87	-12.13	54	33.06	31.9	10.03	33.12	100	263	A	V
	*	5220	109.52	-	-	101.02	31.52	10.1	33.12	100	263	P	V
	*	5220	101.3	-	-	92.8	31.52	10.1	33.12	100	263	A	V
		5396.56	48.78	-25.22	74	40.16	31.58	10.15	33.11	100	263	P	V
		5452.72	40.17	-13.83	54	31.34	31.71	10.23	33.11	100	263	A	V
802.11a CH 48 5240MHz		5081.38	50.82	-23.18	74	42.25	31.73	9.96	33.12	100	237	P	H
		5145.6	43.14	-10.86	54	34.34	31.89	10.03	33.12	100	237	A	H
	*	5240	113.91	-	-	105.49	31.44	10.1	33.12	100	237	P	H
	*	5240	105.93	-	-	97.51	31.44	10.1	33.12	100	237	A	H
		5378.2	50.22	-23.78	74	41.72	31.47	10.14	33.11	100	237	P	H
		5376.04	42.81	-11.19	54	34.32	31.46	10.14	33.11	100	237	A	H
		5143	50.37	-23.63	74	41.57	31.89	10.03	33.12	100	322	P	V
		5145.34	41.82	-12.18	54	33.02	31.89	10.03	33.12	100	322	A	V
	*	5240	109.53	-	-	101.11	31.44	10.1	33.12	100	322	P	V
	*	5240	101.63	-	-	93.21	31.44	10.1	33.12	100	322	A	V
		5352.82	49.61	-24.39	74	41.26	31.32	10.14	33.11	100	322	P	V
		5376.04	40.44	-13.56	54	31.95	31.46	10.14	33.11	100	322	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	49.37	-18.83	68.2	57.37	39.54	16.12	63.66	100	0	P	H
		15540	48.35	-25.65	74	51.93	38.3	20.56	62.44	100	0	P	H
													H
													H
		10360	51.51	-16.69	68.2	59.51	39.54	16.12	63.66	100	0	P	V
		15540	47.15	-26.85	74	50.73	38.3	20.56	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	53.32	-14.88	68.2	61.31	39.7	16.17	63.86	100	0	P	H
		15660	47.74	-26.26	74	51.75	37.7	20.53	62.24	100	0	P	H
													H
													H
		10440	53.31	-14.89	68.2	61.3	39.7	16.17	63.86	100	0	P	V
		15660	46.38	-27.62	74	50.39	37.7	20.53	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	53.57	-14.63	68.2	61.62	39.7	16.2	63.95	100	0	P	H
		15720	47.35	-26.65	74	51.46	37.52	20.52	62.15	100	0	P	H
													H
													H
		10480	52.03	-16.17	68.2	60.08	39.7	16.2	63.95	100	0	P	V
		15720	46.84	-27.16	74	50.95	37.52	20.52	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5139.88	57.13	-16.87	74	48.35	31.88	10.02	33.12	100	238	P	H
		5149.76	48.45	-5.55	54	39.64	31.9	10.03	33.12	100	238	A	H
	*	5180	114.07	-	-	105.4	31.72	10.07	33.12	100	238	P	H
	*	5180	105.97	-	-	97.3	31.72	10.07	33.12	100	238	A	H
802.11ac													H
VHT20													H
CH 36		5141.7	53.07	-20.93	74	44.28	31.88	10.03	33.12	100	321	P	V
5180MHz		5150	45.45	-8.55	54	36.64	31.9	10.03	33.12	100	321	A	V
	*	5180	109.73	-	-	101.06	31.72	10.07	33.12	100	321	P	V
	*	5180	101.47	-	-	92.8	31.72	10.07	33.12	100	321	A	V
													V
													V
		5147.68	52.38	-21.62	74	43.57	31.9	10.03	33.12	100	238	P	H
		5145.6	44.47	-9.53	54	35.67	31.89	10.03	33.12	100	238	A	H
	*	5220	113.85	-	-	105.35	31.52	10.1	33.12	100	238	P	H
	*	5220	105.72	-	-	97.22	31.52	10.1	33.12	100	238	A	H
802.11ac		5453.8	51.11	-22.89	74	42.27	31.72	10.23	33.11	100	238	P	H
VHT20		5376.04	42.39	-11.61	54	33.9	31.46	10.14	33.11	100	238	A	H
CH 44		5131.82	50.58	-23.42	74	41.82	31.86	10.02	33.12	100	263	P	V
5220MHz		5145.86	41.93	-12.07	54	33.13	31.89	10.03	33.12	100	263	A	V
	*	5220	109.13	-	-	100.63	31.52	10.1	33.12	100	263	P	V
	*	5220	100.9	-	-	92.4	31.52	10.1	33.12	100	263	A	V
		5428.15	48.17	-25.83	74	39.43	31.66	10.19	33.11	100	263	P	V
		5452.72	40.37	-13.63	54	31.54	31.71	10.23	33.11	100	263	A	V

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)
		5142.74	51.22	-22.78	74	42.42	31.89	10.03	33.12	100	236	P	H
		5145.6	43.04	-10.96	54	34.24	31.89	10.03	33.12	100	236	A	H
	*	5240	113.48	-	-	105.06	31.44	10.1	33.12	100	236	P	H
	*	5240	105.81	-	-	97.39	31.44	10.1	33.12	100	236	A	H
802.11ac		5400.88	50.25	-23.75	74	41.61	31.6	10.15	33.11	100	236	P	H
VHT20		5376.04	42.84	-11.16	54	34.35	31.46	10.14	33.11	100	236	A	H
CH 48		5112.84	49.92	-24.08	74	41.22	31.83	9.99	33.12	100	322	P	V
5240MHz		5141.96	41.62	-12.38	54	32.83	31.88	10.03	33.12	100	322	A	V
	*	5240	109.38	-	-	100.96	31.44	10.1	33.12	100	322	P	V
	*	5240	101.12	-	-	92.7	31.44	10.1	33.12	100	322	A	V
		5386.84	50.03	-23.97	74	41.47	31.52	10.15	33.11	100	322	P	V
		5376.04	40.53	-13.47	54	32.04	31.46	10.14	33.11	100	322	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	50.73	-17.47	68.2	58.73	39.54	16.12	63.66	100	0	P	H
		15540	47.01	-26.99	74	50.59	38.3	20.56	62.44	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	53.65	-14.55	68.2	61.65	39.54	16.12	63.66	100	0	P	V
5180MHz		15540	46.25	-27.75	74	49.83	38.3	20.56	62.44	100	0	P	V
													V
													V
		10440	51.88	-16.32	68.2	59.87	39.7	16.17	63.86	100	0	P	H
		15660	46.27	-27.73	74	50.28	37.7	20.53	62.24	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	52.38	-15.82	68.2	60.37	39.7	16.17	63.86	100	0	P	V
5220MHz		15660	45.41	-28.59	74	49.42	37.7	20.53	62.24	100	0	P	V
													V
													V
		10480	50.98	-17.22	68.2	59.03	39.7	16.2	63.95	100	0	P	H
		15720	46.35	-27.65	74	50.46	37.52	20.52	62.15	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	50.87	-17.33	68.2	58.92	39.7	16.2	63.95	100	0	P	V
5240MHz		15720	45.69	-28.31	74	49.8	37.52	20.52	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5145.08	57.29	-16.71	74	48.49	31.89	10.03	33.12	100	237	P	H
		5149.76	51.9	-2.1	54	43.09	31.9	10.03	33.12	100	237	A	H
	*	5190	110.57	-	-	101.95	31.66	10.08	33.12	100	237	P	H
	*	5190	102.7	-	-	94.08	31.66	10.08	33.12	100	237	A	H
802.11ac		5443.76	49.41	-24.59	74	40.61	31.69	10.22	33.11	100	237	P	H
VHT40		5453	42.52	-11.48	54	33.69	31.71	10.23	33.11	100	237	A	H
CH 38		5148.98	53.46	-20.54	74	44.65	31.9	10.03	33.12	100	321	P	V
5190MHz		5150	47.44	-6.56	54	38.63	31.9	10.03	33.12	100	321	A	V
	*	5190	105.38	-	-	96.76	31.66	10.08	33.12	100	321	P	V
	*	5190	97.82	-	-	89.2	31.66	10.08	33.12	100	321	A	V
		5442.36	48.35	-25.65	74	39.56	31.68	10.22	33.11	100	321	P	V
		5453	40.78	-13.22	54	31.95	31.71	10.23	33.11	100	321	A	V
		5149.76	52.77	-21.23	74	43.96	31.9	10.03	33.12	100	237	P	H
		5150	46.61	-7.39	54	37.8	31.9	10.03	33.12	100	237	A	H
	*	5230	112.56	-	-	104.1	31.48	10.1	33.12	100	237	P	H
	*	5230	103.96	-	-	95.5	31.48	10.1	33.12	100	237	A	H
802.11ac		5363.4	52.28	-21.72	74	43.87	31.38	10.14	33.11	100	237	P	H
VHT40		5358.64	43.75	-10.25	54	35.37	31.35	10.14	33.11	100	237	A	H
CH 46		5144.82	52.35	-21.65	74	43.55	31.89	10.03	33.12	100	324	P	V
5230MHz		5146.12	44.29	-9.71	54	35.49	31.89	10.03	33.12	100	324	A	V
	*	5230	107.72	-	-	99.26	31.48	10.1	33.12	100	324	P	V
	*	5230	99.16	-	-	90.7	31.48	10.1	33.12	100	324	A	V
		5390.84	49.83	-24.17	74	41.24	31.55	10.15	33.11	100	324	P	V
		5452.72	41.34	-12.66	54	32.51	31.71	10.23	33.11	100	324	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	51.73	-16.47	68.2	59.68	39.62	16.14	63.71	100	0	P	H
		15570	47.22	-26.78	74	50.91	38.15	20.55	62.39	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	50.08	-18.12	68.2	58.03	39.62	16.14	63.71	100	0	P	V
5190MHz		15570	46.31	-27.69	74	50	38.15	20.55	62.39	100	0	P	V
													V
													V
		10460	50.57	-17.63	68.2	58.58	39.7	16.19	63.9	100	0	P	H
		15690	45.62	-28.38	74	49.74	37.55	20.53	62.2	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	48.81	-19.39	68.2	56.82	39.7	16.19	63.9	100	0	P	V
5230MHz		15690	46.39	-27.61	74	50.51	37.55	20.53	62.2	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5146.2	57.84	-16.16	74	49.04	31.89	10.03	33.12	100	235	P	H
		5145.18	50.78	-3.22	54	41.98	31.89	10.03	33.12	100	235	A	H
	*	5210	105.94	-	-	97.41	31.56	10.09	33.12	100	235	P	H
	*	5210	98.51	-	-	89.98	31.56	10.09	33.12	100	235	A	H
802.11ac		5415.28	50.96	-23.04	74	42.27	31.63	10.17	33.11	100	235	P	H
VHT80		5376.02	42.91	-11.09	54	34.42	31.46	10.14	33.11	100	235	A	H
CH 42		5138.38	56.14	-17.86	74	47.36	31.88	10.02	33.12	100	322	P	V
5210MHz		5148.24	46.57	-7.43	54	37.76	31.9	10.03	33.12	100	322	A	V
	*	5210	101.7	-	-	93.17	31.56	10.09	33.12	100	322	P	V
	*	5210	94.09	-	-	85.56	31.56	10.09	33.12	100	322	A	V
		5430.88	49.68	-24.32	74	40.93	31.66	10.2	33.11	100	322	P	V
		5425.94	40.91	-13.09	54	32.18	31.65	10.19	33.11	100	322	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	46.68	-21.52	68.2	54.63	39.7	16.16	63.81	100	0	P	H
		15630	46.65	-27.35	74	50.55	37.85	20.54	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.4	-19.8	68.2	56.35	39.7	16.16	63.81	100	0	P	V
5210MHz		15630	46.27	-27.73	74	50.17	37.85	20.54	62.29	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5132.26	49.56	-24.44	74	40.8	31.86	10.02	33.12	100	238	P	H
		5145.52	42.57	-11.43	54	33.77	31.89	10.03	33.12	100	238	A	H
	*	5260	112.67	-	-	104.29	31.38	10.11	33.11	100	238	P	H
	*	5260	104.98	-	-	96.6	31.38	10.11	33.11	100	238	A	H
		5353.44	51.89	-22.11	74	43.54	31.32	10.14	33.11	100	238	P	H
		5350.08	43.26	-10.74	54	34.93	31.3	10.14	33.11	100	238	A	H
		5090.78	50.15	-23.85	74	41.54	31.76	9.97	33.12	100	267	P	V
		5144.16	41.22	-12.78	54	32.42	31.89	10.03	33.12	100	267	A	V
	*	5260	107.91	-	-	99.53	31.38	10.11	33.11	100	267	P	V
	*	5260	99.97	-	-	91.59	31.38	10.11	33.11	100	267	A	V
		5454.96	49.92	-24.08	74	41.07	31.72	10.24	33.11	100	267	P	V
		5452.8	40.6	-13.4	54	31.77	31.71	10.23	33.11	100	267	A	V
802.11a CH 60 5300MHz		5120.36	49.84	-24.16	74	41.12	31.84	10	33.12	100	239	P	H
		5145.52	42.3	-11.7	54	33.5	31.89	10.03	33.12	100	239	A	H
	*	5300	112.51	-	-	104.2	31.3	10.12	33.11	100	239	P	H
	*	5300	104.71	-	-	96.4	31.3	10.12	33.11	100	239	A	H
		5351.28	55.02	-18.98	74	46.68	31.31	10.14	33.11	100	239	P	H
		5351.28	47.02	-6.98	54	38.68	31.31	10.14	33.11	100	239	A	H
		5100.64	49.58	-24.42	74	40.92	31.8	9.98	33.12	100	269	P	V
		5145.86	41.13	-12.87	54	32.33	31.89	10.03	33.12	100	269	A	V
	*	5300	108.41	-	-	100.1	31.3	10.12	33.11	100	269	P	V
	*	5300	100.01	-	-	91.7	31.3	10.12	33.11	100	269	A	V
		5351.28	52.2	-21.8	74	43.86	31.31	10.14	33.11	100	269	P	V
		5350.32	42.7	-11.3	54	34.37	31.3	10.14	33.11	100	269	A	V

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 64 5320MHz	*	5320	112.21	-	-	103.89	31.3	10.13	33.11	100	225	P	H
	*	5320	103.91	-	-	95.59	31.3	10.13	33.11	100	225	A	H
		5356	57.16	-16.84	74	48.79	31.34	10.14	33.11	100	225	P	H
		5356.96	47.69	-6.31	54	39.32	31.34	10.14	33.11	100	225	A	H
													H
													H
	*	5320	107.8	-	-	99.48	31.3	10.13	33.11	100	268	P	V
	*	5320	99.71	-	-	91.39	31.3	10.13	33.11	100	268	A	V
		5356.64	53.05	-20.95	74	44.68	31.34	10.14	33.11	100	268	P	V
		5354.24	43.31	-10.69	54	34.95	31.33	10.14	33.11	100	268	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 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	51.71	-16.49	68.2	59.82	39.7	16.22	64.03	100	0	P	H
		15780	46.04	-27.96	74	50	37.58	20.51	62.05	100	0	P	H
													H
													H
		10520	51.93	-16.27	68.2	60.04	39.7	16.22	64.03	100	0	P	V
		15780	46.36	-27.64	74	50.32	37.58	20.51	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	49.18	-24.82	74	57.35	39.7	16.27	64.14	100	0	P	H
		15900	46.14	-27.86	74	50.32	37.2	20.48	61.86	100	0	P	H
													H
													H
		10600	49.81	-24.19	74	57.98	39.7	16.27	64.14	100	0	P	V
		15900	46.78	-27.22	74	50.96	37.2	20.48	61.86	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.48	-26.52	74	55.72	39.66	16.3	64.2	100	0	P	H
		15960	45.3	-28.7	74	49.57	37.02	20.47	61.76	100	0	P	H
													H
													H
		10640	48.68	-25.32	74	56.92	39.66	16.3	64.2	100	0	P	V
		15960	45.34	-28.66	74	49.61	37.02	20.47	61.76	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.86	50.36	-23.64	74	41.56	31.89	10.03	33.12	103	233	P	H
		5145.52	42.66	-11.34	54	33.86	31.89	10.03	33.12	103	233	A	H
	*	5260	112.34	-	-	103.96	31.38	10.11	33.11	103	233	P	H
	*	5260	104.33	-	-	95.95	31.38	10.11	33.11	103	233	A	H
802.11ac		5350.32	51.03	-22.97	74	42.7	31.3	10.14	33.11	103	233	P	H
VHT20		5376	42.81	-11.19	54	34.32	31.46	10.14	33.11	103	233	A	H
CH 52		5145.86	50.01	-23.99	74	41.21	31.89	10.03	33.12	100	267	P	V
5260MHz		5145.52	41.39	-12.61	54	32.59	31.89	10.03	33.12	100	267	A	V
	*	5260	107.53	-	-	99.15	31.38	10.11	33.11	100	267	P	V
	*	5260	99.47	-	-	91.09	31.38	10.11	33.11	100	267	A	V
		5365.92	50.11	-23.89	74	41.68	31.4	10.14	33.11	100	267	P	V
		5452.56	40.38	-13.62	54	31.55	31.71	10.23	33.11	100	267	A	V
		5072.76	50.47	-23.53	74	41.95	31.69	9.95	33.12	100	235	P	H
		5145.86	42.26	-11.74	54	33.46	31.89	10.03	33.12	100	235	A	H
	*	5300	112.11	-	-	103.8	31.3	10.12	33.11	100	235	P	H
	*	5300	104.01	-	-	95.7	31.3	10.12	33.11	100	235	A	H
802.11ac		5364.72	55.26	-18.74	74	46.84	31.39	10.14	33.11	100	235	P	H
VHT20		5350.56	46.65	-7.35	54	38.32	31.3	10.14	33.11	100	235	A	H
CH 60		5100.64	49.64	-24.36	74	40.98	31.8	9.98	33.12	100	269	P	V
5300MHz		5107.78	41.14	-12.86	54	32.45	31.82	9.99	33.12	100	269	A	V
	*	5300	107.69	-	-	99.38	31.3	10.12	33.11	100	269	P	V
	*	5300	99.49	-	-	91.18	31.3	10.12	33.11	100	269	A	V
		5358.24	51.01	-22.99	74	42.63	31.35	10.14	33.11	100	269	P	V
		5350.56	42.92	-11.08	54	34.59	31.3	10.14	33.11	100	269	A	V

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)
	*	5320	111.51	-	-	103.19	31.3	10.13	33.11	100	235	P	H
	*	5320	103.4	-	-	95.08	31.3	10.13	33.11	100	235	A	H
		5352	56.18	-17.82	74	47.84	31.31	10.14	33.11	100	235	P	H
		5364.32	47.71	-6.29	54	39.29	31.39	10.14	33.11	100	235	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	107.61	-	-	99.29	31.3	10.13	33.11	100	268	P	V
5320MHz	*	5320	99.21	-	-	90.89	31.3	10.13	33.11	100	268	A	V
		5353.44	51.65	-22.35	74	43.3	31.32	10.14	33.11	100	268	P	V
		5352.32	43.17	-10.83	54	34.83	31.31	10.14	33.11	100	268	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac 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	51.37	-16.83	68.2	59.48	39.7	16.22	64.03	100	0	P	H
		15780	45.5	-28.5	74	49.46	37.58	20.51	62.05	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	52.8	-15.4	68.2	60.91	39.7	16.22	64.03	100	0	P	V
5260MHz		15780	46.37	-27.63	74	50.33	37.58	20.51	62.05	100	0	P	V
													V
													V
		10600	46.72	-27.28	74	54.89	39.7	16.27	64.14	100	0	P	H
		15900	45.36	-28.64	74	49.54	37.2	20.48	61.86	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	49.36	-24.64	74	57.53	39.7	16.27	64.14	100	0	P	V
5300MHz		15900	44.79	-29.21	74	48.97	37.2	20.48	61.86	100	0	P	V
													V
													V
		10640	47.76	-26.24	74	56	39.66	16.3	64.2	100	0	P	H
		15960	45.61	-28.39	74	49.88	37.02	20.47	61.76	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	47.29	-26.71	74	55.53	39.66	16.3	64.2	100	0	P	V
5320MHz		15960	44.83	-29.17	74	49.1	37.02	20.47	61.76	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 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)
		5143.14	50.5	-23.5	74	41.7	31.89	10.03	33.12	100	238	P	H
		5145.52	43.38	-10.62	54	34.58	31.89	10.03	33.12	100	238	A	H
	*	5270	110.16	-	-	101.8	31.36	10.11	33.11	100	238	P	H
	*	5270	101.76	-	-	93.4	31.36	10.11	33.11	100	238	A	H
802.11ac		5365.68	54.79	-19.21	74	46.37	31.39	10.14	33.11	100	238	P	H
VHT40		5350.08	47.26	-6.74	54	38.93	31.3	10.14	33.11	100	238	A	H
CH 54		5089.76	49.6	-24.4	74	40.99	31.76	9.97	33.12	100	323	P	V
5270MHz		5107.1	42.56	-11.44	54	33.88	31.81	9.99	33.12	100	323	A	V
	*	5270	106.17	-	-	97.81	31.36	10.11	33.11	100	323	P	V
	*	5270	97.46	-	-	89.1	31.36	10.11	33.11	100	323	A	V
		5367.36	51.36	-22.64	74	42.93	31.4	10.14	33.11	100	323	P	V
		5351.52	43.68	-10.32	54	35.34	31.31	10.14	33.11	100	323	A	V
		5051.34	50.78	-23.22	74	42.36	31.61	9.93	33.12	100	238	P	H
		5145.52	43.15	-10.85	54	34.35	31.89	10.03	33.12	100	238	A	H
	*	5310	110.32	-	-	102.01	31.3	10.12	33.11	100	238	P	H
	*	5310	101.88	-	-	93.57	31.3	10.12	33.11	100	238	A	H
802.11ac		5351.28	60.68	-13.32	74	52.34	31.31	10.14	33.11	100	238	P	H
VHT40		5350.56	52.53	-1.47	54	44.2	31.3	10.14	33.11	100	238	A	H
CH 62		5091.8	50.64	-23.36	74	42.02	31.77	9.97	33.12	100	269	P	V
5310MHz		5110.84	42.07	-11.93	54	33.38	31.82	9.99	33.12	100	269	A	V
	*	5310	105.54	-	-	97.23	31.3	10.12	33.11	100	269	P	V
	*	5310	97.13	-	-	88.82	31.3	10.12	33.11	100	269	A	V
		5350.32	54.75	-19.25	74	46.42	31.3	10.14	33.11	100	269	P	V
		5350.56	46.73	-7.27	54	38.4	31.3	10.14	33.11	100	269	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	46.33	-21.87	68.2	54.46	39.7	16.23	64.06	100	0	P	H
		15810	45.84	-28.16	74	49.78	37.56	20.5	62	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	48.72	-19.48	68.2	56.85	39.7	16.23	64.06	100	0	P	V
5270MHz		15810	45.89	-28.11	74	49.83	37.56	20.5	62	100	0	P	V
													V
													V
		10620	46.82	-27.18	74	55.03	39.68	16.28	64.17	100	0	P	H
		15930	45.96	-28.04	74	50.19	37.11	20.47	61.81	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	47.66	-26.34	74	55.87	39.68	16.28	64.17	100	0	P	V
5310MHz		15930	45.47	-28.53	74	49.7	37.11	20.47	61.81	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)
		5145.2	51.74	-22.26	74	42.94	31.89	10.03	33.12	100	236	P	H
		5145.5	43.81	-10.19	54	35.01	31.89	10.03	33.12	100	236	A	H
	*	5290	106.05	-	-	97.72	31.32	10.12	33.11	100	236	P	H
	*	5290	97.99	-	-	89.66	31.32	10.12	33.11	100	236	A	H
802.11ac		5360.4	60.01	-13.99	74	51.62	31.36	10.14	33.11	100	236	P	H
VHT80		5350.32	52.17	-1.83	54	43.84	31.3	10.14	33.11	100	236	A	H
CH 58		5145.8	51.53	-22.47	74	42.73	31.89	10.03	33.12	100	268	P	V
5290MHz		5139.8	41.96	-12.04	54	33.18	31.88	10.02	33.12	100	268	A	V
	*	5290	101.58	-	-	93.25	31.32	10.12	33.11	100	268	P	V
	*	5290	93.43	-	-	85.1	31.32	10.12	33.11	100	268	A	V
		5361.12	54.47	-19.53	74	46.07	31.37	10.14	33.11	100	268	P	V
		5350.56	46.41	-7.59	54	38.08	31.3	10.14	33.11	100	268	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	46.17	-22.03	68.2	54.32	39.7	16.26	64.11	100	0	P	H
		15870	45.85	-28.15	74	49.95	37.32	20.49	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	47.07	-21.13	68.2	55.22	39.7	16.26	64.11	100	0	P	V
5290MHz		15870	44.63	-29.37	74	48.73	37.32	20.49	61.91	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		5458.32	54.91	-19.09	74	46.05	31.73	10.24	33.11	100	234	P	H
		5466.48	55.15	-13.05	68.2	46.24	31.77	10.25	33.11	100	234	P	H
		5452.72	46.06	-7.94	54	37.23	31.71	10.23	33.11	100	234	A	H
	*	5500	112.89	-	-	103.79	31.9	10.31	33.11	100	234	P	H
	*	5500	105.19	-	-	96.09	31.9	10.31	33.11	100	234	A	H
													H
		5458.48	51.75	-22.25	74	42.89	31.73	10.24	33.11	100	285	P	V
		5467.28	51.58	-16.62	68.2	42.67	31.77	10.25	33.11	100	285	P	V
		5458.64	43.17	-10.83	54	34.31	31.73	10.24	33.11	100	285	A	V
	*	5500	109.19	-	-	100.09	31.9	10.31	33.11	100	285	P	V
	*	5500	101.39	-	-	92.29	31.9	10.31	33.11	100	285	A	V
													V
802.11a CH 116 5580MHz		5456.32	52.04	-21.96	74	43.18	31.73	10.24	33.11	100	236	P	H
		5466.16	49.94	-18.26	68.2	41.04	31.76	10.25	33.11	100	236	P	H
		5452.96	42.37	-11.63	54	33.54	31.71	10.23	33.11	100	236	A	H
	*	5580	113.29	-	-	104.2	31.8	10.43	33.14	100	236	P	H
	*	5580	105.63	-	-	96.54	31.8	10.43	33.14	100	236	A	H
		5741.06	51.31	-16.89	68.2	41.88	32.08	10.54	33.19	100	236	P	H
		5437.84	49.28	-24.72	74	40.5	31.68	10.21	33.11	100	287	P	V
		5460.16	51.35	-16.85	68.2	42.48	31.74	10.24	33.11	100	287	P	V
		5452.72	40.52	-13.48	54	31.69	31.71	10.23	33.11	100	287	A	V
	*	5580	109.59	-	-	100.5	31.8	10.43	33.14	100	287	P	V
	*	5580	101.39	-	-	92.3	31.8	10.43	33.14	100	287	A	V
		5739.17	50.04	-18.16	68.2	40.61	32.08	10.54	33.19	100	287	P	V

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 140 5700MHz	*	5700	113.54	-	-	104.2	32	10.51	33.17	100	235	P	H
	*	5700	105.04	-	-	95.7	32	10.51	33.17	100	235	A	H
		5728.92	61.76	-6.44	68.2	52.35	32.06	10.53	33.18	100	235	P	H
													H
													H
													H
	*	5700	108.94	-	-	99.6	32	10.51	33.17	100	242	P	V
	*	5700	100.84	-	-	91.5	32	10.51	33.17	100	242	A	V
		5726.76	59.02	-9.18	68.2	49.62	32.05	10.53	33.18	100	242	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	48.8	-25.2	74	56.99	40	16.51	64.7	100	0	P	H
		16500	47.74	-20.46	68.2	48.79	38.7	21.15	60.9	100	0	P	H
													H
													H
		11000	49.37	-24.63	74	57.56	40	16.51	64.7	100	0	P	V
		16500	48.58	-19.62	68.2	49.63	38.7	21.15	60.9	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	49.33	-24.67	74	57.71	39.48	16.74	64.6	100	0	P	H
		16740	49.23	-18.97	68.2	49.19	39.56	21.48	61	100	0	P	H
													H
													H
		11160	48.67	-25.33	74	57.05	39.48	16.74	64.6	100	0	P	V
		16740	48.51	-19.69	68.2	48.47	39.56	21.48	61	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	48.45	-25.55	74	56.12	39.7	17.09	64.46	100	0	P	H
		17100	50.36	-17.84	68.2	49.3	40.1	21.94	60.98	100	0	P	H
													H
													H
		11400	47.6	-26.4	74	55.27	39.7	17.09	64.46	100	0	P	V
		17100	49.48	-18.72	68.2	48.42	40.1	21.94	60.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5450.32	53.67	-20.33	74	44.85	31.7	10.23	33.11	100	232	P	H
		5467.44	55.98	-12.22	68.2	47.07	31.77	10.25	33.11	100	232	P	H
		5458.48	46.04	-7.96	54	37.18	31.73	10.24	33.11	100	232	A	H
	*	5500	112.6	-	-	103.5	31.9	10.31	33.11	100	232	P	H
802.11ac	*	5500	104.99	-	-	95.89	31.9	10.31	33.11	100	232	A	H
VHT20													H
CH 100		5453.36	51.79	-22.21	74	42.96	31.71	10.23	33.11	100	285	P	V
5500MHz		5469.84	53.68	-14.52	68.2	44.75	31.78	10.26	33.11	100	285	P	V
		5456.08	43.2	-10.8	54	34.35	31.72	10.24	33.11	100	285	A	V
	*	5500	109.1	-	-	100	31.9	10.31	33.11	100	285	P	V
	*	5500	100.89	-	-	91.79	31.9	10.31	33.11	100	285	A	V
													V
		5396.32	49.87	-24.13	74	41.25	31.58	10.15	33.11	100	238	P	H
		5469.04	50.25	-17.95	68.2	41.32	31.78	10.26	33.11	100	238	P	H
		5452.96	42.29	-11.71	54	33.46	31.71	10.23	33.11	100	238	A	H
	*	5580	113.14	-	-	104.05	31.8	10.43	33.14	100	238	P	H
802.11ac	*	5580	104.99	-	-	95.9	31.8	10.43	33.14	100	238	A	H
VHT20		5761.535	50.72	-17.48	68.2	41.24	32.12	10.55	33.19	100	238	P	H
CH 116		5422.48	48.85	-25.15	74	40.14	31.64	10.18	33.11	100	287	P	V
5580MHz		5466.64	48.62	-19.58	68.2	39.71	31.77	10.25	33.11	100	287	P	V
		5452.96	40.73	-13.27	54	31.9	31.71	10.23	33.11	100	287	A	V
	*	5580	108.1	-	-	99.01	31.8	10.43	33.14	100	287	P	V
	*	5580	100.11	-	-	91.02	31.8	10.43	33.14	100	287	A	V
		5727.515	50.46	-17.74	68.2	41.05	32.06	10.53	33.18	100	287	P	V

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)
	*	5700	112.74	-	-	103.4	32	10.51	33.17	100	239	P	H
	*	5700	104.5	-	-	95.16	32	10.51	33.17	100	239	A	H
		5737.32	60.98	-7.22	68.2	51.56	32.07	10.54	33.19	100	239	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	108.54	-	-	99.2	32	10.51	33.17	100	242	P	V
5700MHz	*	5700	100.42	-	-	91.08	32	10.51	33.17	100	242	A	V
		5737.08	57.71	-10.49	68.2	48.29	32.07	10.54	33.19	100	242	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	47.29	-26.71	74	55.48	40	16.51	64.7	100	0	P	H
		16500	47.58	-20.62	68.2	48.63	38.7	21.15	60.9	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	47.4	-26.6	74	55.59	40	16.51	64.7	100	0	P	V
5500MHz		16500	47.18	-21.02	68.2	48.23	38.7	21.15	60.9	100	0	P	V
													V
													V
		11160	48.27	-25.73	74	56.65	39.48	16.74	64.6	100	0	P	H
		16740	47.88	-20.32	68.2	47.84	39.56	21.48	61	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	49.23	-24.77	74	57.61	39.48	16.74	64.6	100	0	P	V
5580MHz		16740	49.04	-19.16	68.2	49	39.56	21.48	61	100	0	P	V
													V
													V
		11400	47.38	-26.62	74	55.05	39.7	17.09	64.46	100	0	P	H
		17100	49.21	-18.99	68.2	48.15	40.1	21.94	60.98	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	46.99	-27.01	74	54.66	39.7	17.09	64.46	100	0	P	V
5700MHz		17100	49.78	-18.42	68.2	48.72	40.1	21.94	60.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.68	56.9	-17.1	74	48.03	31.74	10.24	33.11	100	238	P	H
		5468.56	58.93	-9.27	68.2	50.01	31.77	10.26	33.11	100	238	P	H
		5452.72	48.4	-5.6	54	39.57	31.71	10.23	33.11	100	238	A	H
	*	5510	111.64	-	-	102.55	31.88	10.32	33.11	100	238	P	H
802.11ac	*	5510	102.29	-	-	93.2	31.88	10.32	33.11	100	238	A	H
VHT40		5736.965	51.39	-16.81	68.2	41.97	32.07	10.54	33.19	100	238	P	H
CH 102		5458.48	52.4	-21.6	74	43.54	31.73	10.24	33.11	100	327	P	V
5510MHz		5470	54.94	-13.26	68.2	46.01	31.78	10.26	33.11	100	327	P	V
		5459.92	45.01	-8.99	54	36.14	31.74	10.24	33.11	100	327	A	V
	*	5510	106.29	-	-	97.2	31.88	10.32	33.11	100	327	P	V
	*	5510	98.49	-	-	89.4	31.88	10.32	33.11	100	327	A	V
		5757.44	50.72	-17.48	68.2	41.25	32.11	10.55	33.19	100	327	P	V
		5459.2	53.68	-20.32	74	44.81	31.74	10.24	33.11	100	235	P	H
		5464.96	54.36	-13.84	68.2	45.46	31.76	10.25	33.11	100	235	P	H
		5453.2	45.37	-8.63	54	36.54	31.71	10.23	33.11	100	235	A	H
	*	5550	111.26	-	-	102.21	31.8	10.38	33.13	100	235	P	H
802.11ac	*	5550	102.66	-	-	93.61	31.8	10.38	33.13	100	235	A	H
VHT40		5742.005	51.32	-16.88	68.2	41.89	32.08	10.54	33.19	100	235	P	H
CH 110		5447.44	51.94	-22.06	74	43.14	31.69	10.22	33.11	100	285	P	V
5550MHz		5465.92	52.45	-15.75	68.2	43.55	31.76	10.25	33.11	100	285	P	V
		5458.96	43.18	-10.82	54	34.31	31.74	10.24	33.11	100	285	A	V
	*	5550	107.15	-	-	98.1	31.8	10.38	33.13	100	285	P	V
	*	5550	98.56	-	-	89.51	31.8	10.38	33.13	100	285	A	V
		5752.085	50.68	-17.52	68.2	41.23	32.1	10.54	33.19	100	285	P	V

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)
		5356.3	49.45	-24.55	74	41.08	31.34	10.14	33.11	100	240	P	H
		5470	50.29	-17.91	68.2	41.36	31.78	10.26	33.11	100	240	P	H
		5452.9	41.59	-12.41	54	32.76	31.71	10.23	33.11	100	240	A	H
	*	5670	111.05	-	-	101.89	31.82	10.5	33.16	100	240	P	H
802.11ac	*	5670	102.45	-	-	93.29	31.82	10.5	33.16	100	240	A	H
VHT40		5725.45	59.34	-8.86	68.2	49.94	32.05	10.53	33.18	100	240	P	H
CH 134		5418.25	48.37	-25.63	74	39.66	31.64	10.18	33.11	104	293	P	V
5670MHz		5463.05	48.52	-19.68	68.2	39.63	31.75	10.25	33.11	104	293	P	V
		5452.9	40.78	-13.22	54	31.95	31.71	10.23	33.11	104	293	A	V
	*	5670	107.25	-	-	98.09	31.82	10.5	33.16	104	293	P	V
	*	5670	98.55	-	-	89.39	31.82	10.5	33.16	104	293	A	V
		5727.9	55.03	-13.17	68.2	45.62	32.06	10.53	33.18	104	293	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.78	-26.22	74	56.01	39.92	16.54	64.69	100	0	P	H
		16530	47.14	-21.06	68.2	48.1	38.76	21.19	60.91	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	47.84	-26.16	74	56.07	39.92	16.54	64.69	100	0	P	V
5510MHz		16530	47.52	-20.68	68.2	48.48	38.76	21.19	60.91	100	0	P	V
													V
													V
		11100	47.22	-26.78	74	55.6	39.6	16.66	64.64	100	0	P	H
		16650	48.63	-19.57	68.2	49.18	39.05	21.36	60.96	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	46.82	-27.18	74	55.2	39.6	16.66	64.64	100	0	P	V
5550MHz		16650	48.75	-19.45	68.2	49.3	39.05	21.36	60.96	100	0	P	V
													V
													V
		11340	48.1	-25.9	74	56.01	39.58	17.01	64.5	100	0	P	H
		17010	49.06	-19.14	68.2	48.29	40.01	21.85	61.09	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	48.71	-25.29	74	56.62	39.58	17.01	64.5	100	0	P	V
5670MHz		17010	48.75	-19.45	68.2	47.98	40.01	21.85	61.09	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (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	59.79	-14.21	74	50.93	31.73	10.24	33.11	100	224	P	H
		5465.2	60.59	-7.61	68.2	51.69	31.76	10.25	33.11	100	224	P	H
		5459.68	51.73	-2.27	54	42.86	31.74	10.24	33.11	100	224	A	H
	*	5530	107.63	-	-	98.56	31.84	10.35	33.12	100	224	P	H
802.11ac	*	5530	99.54	-	-	90.47	31.84	10.35	33.12	100	224	A	H
VHT80		5735.075	50.51	-17.69	68.2	41.1	32.07	10.53	33.19	100	224	P	H
CH 106		5458.96	53.88	-20.12	74	45.01	31.74	10.24	33.11	100	285	P	V
5530MHz		5464.96	56.39	-11.81	68.2	47.49	31.76	10.25	33.11	100	285	P	V
		5459.44	46.95	-7.05	54	38.08	31.74	10.24	33.11	100	285	A	V
	*	5530	104.28	-	-	95.21	31.84	10.35	33.12	100	285	P	V
	*	5530	96.17	-	-	87.1	31.84	10.35	33.12	100	285	A	V
		5725.31	50.06	-18.14	68.2	40.66	32.05	10.53	33.18	100	285	P	V
		5449.4	53.57	-20.43	74	44.75	31.7	10.23	33.11	100	236	P	H
		5470	53.31	-14.89	68.2	44.38	31.78	10.26	33.11	100	236	P	H
		5452.55	44.02	-9.98	54	35.19	31.71	10.23	33.11	100	236	A	H
	*	5610	108.17	-	-	99.07	31.78	10.47	33.15	100	236	P	H
802.11ac	*	5610	100.15	-	-	91.05	31.78	10.47	33.15	100	236	A	H
VHT80		5725.625	55.51	-12.69	68.2	46.11	32.05	10.53	33.18	100	236	P	H
CH 122		5440.65	50.92	-23.08	74	42.14	31.68	10.21	33.11	100	286	P	V
5610MHz		5463.75	50.88	-17.32	68.2	41.98	31.76	10.25	33.11	100	286	P	V
		5459.2	42.09	-11.91	54	33.22	31.74	10.24	33.11	100	286	A	V
	*	5610	103.74	-	-	94.64	31.78	10.47	33.15	100	286	P	V
	*	5610	95.76	-	-	86.66	31.78	10.47	33.15	100	286	A	V
		5732.975	52.36	-15.84	68.2	42.94	32.07	10.53	33.18	100	286	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.64	-26.36	74	55.94	39.76	16.6	64.66	100	0	P	H
		16590	49.03	-19.17	68.2	49.81	38.88	21.28	60.94	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	46.99	-27.01	74	55.29	39.76	16.6	64.66	100	0	P	V
5530MHz		16590	47.47	-20.73	68.2	48.25	38.88	21.28	60.94	100	0	P	V
													V
													V
		11220	47.87	-26.13	74	56.19	39.42	16.83	64.57	100	0	P	H
		16830	48.82	-19.38	68.2	48.2	40.04	21.61	61.03	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	48.13	-25.87	74	56.45	39.42	16.83	64.57	100	0	P	V
5610MHz		16830	48.06	-20.14	68.2	47.44	40.04	21.61	61.03	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. 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		5452.96	49.68	-24.32	74	40.85	31.71	10.23	33.11	100	238	P	H
		5463.88	47.19	-21.01	68.2	38.29	31.76	10.25	33.11	100	238	P	H
		5452.57	40.91	-13.09	54	32.08	31.71	10.23	33.11	100	238	A	H
	*	5720	112.79	-	-	103.4	32.04	10.53	33.18	100	238	P	H
	*	5720	104.79	-	-	95.4	32.04	10.53	33.18	100	238	A	H
		5854.75	50.6	-17.6	68.2	40.91	32.32	10.59	33.22	100	238	P	H
		5455.69	48.26	-25.74	74	39.41	31.72	10.24	33.11	100	293	P	V
		5461.54	48.47	-19.73	68.2	39.58	31.75	10.25	33.11	100	293	P	V
		5453.74	39.9	-14.1	54	31.07	31.71	10.23	33.11	100	293	A	V
	*	5720	108.57	-	-	99.18	32.04	10.53	33.18	100	293	P	V
	*	5720	100.69	-	-	91.3	32.04	10.53	33.18	100	293	A	V
		5940	50.36	-17.84	68.2	40.4	32.58	10.63	33.25	100	293	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	48.68	-25.32	74	56.27	39.7	17.15	64.44	100	0	P	H
		17160	49.07	-19.13	68.2	47.71	40.28	21.99	60.91	100	0	P	H
													H
													H
		11440	47.99	-26.01	74	55.58	39.7	17.15	64.44	100	0	P	V
		17160	48.51	-19.69	68.2	47.15	40.28	21.99	60.91	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)
		5453.35	48.73	-25.27	74	39.9	31.71	10.23	33.11	100	238	P	H
		5467.39	46.75	-21.45	68.2	37.84	31.77	10.25	33.11	100	238	P	H
		5452.96	40.88	-13.12	54	32.05	31.71	10.23	33.11	100	238	A	H
	*	5720	112.49	-	-	103.1	32.04	10.53	33.18	100	238	P	H
802.11ac	*	5720	104.64	-	-	95.25	32.04	10.53	33.18	100	238	A	H
VHT20		5875.5	50.54	-17.66	68.2	40.77	32.4	10.6	33.23	100	238	P	H
CH 144		5450.62	48.31	-25.69	74	39.49	31.7	10.23	33.11	100	293	P	V
5720MHz		5467.78	48.67	-19.53	68.2	39.75	31.77	10.26	33.11	100	293	P	V
		5453.35	39.86	-14.14	54	31.03	31.71	10.23	33.11	100	293	A	V
	*	5720	108.46	-	-	99.07	32.04	10.53	33.18	100	293	P	V
	*	5720	100.19	-	-	90.8	32.04	10.53	33.18	100	293	A	V
		5868.5	50.18	-18.02	68.2	40.44	32.37	10.6	33.23	100	293	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	47.63	-26.37	74	55.22	39.7	17.15	64.44	100	0	P	H
		17160	49.19	-19.01	68.2	47.83	40.28	21.99	60.91	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	48.25	-25.75	74	55.84	39.7	17.15	64.44	100	0	P	V
5720MHz		17160	48.69	-19.51	68.2	47.33	40.28	21.99	60.91	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)
		5429.17	49.16	-24.84	74	40.41	31.66	10.2	33.11	100	240	P	H
		5460.76	48.92	-19.28	68.2	40.05	31.74	10.24	33.11	100	240	P	H
		5452.96	41.15	-12.85	54	32.32	31.71	10.23	33.11	100	240	A	H
	*	5710	111.01	-	-	101.65	32.02	10.52	33.18	100	240	P	H
802.11ac	*	5710	102.56	-	-	93.2	32.02	10.52	33.18	100	240	A	H
VHT40		5859	52.2	-16	68.2	42.49	32.34	10.59	33.22	100	240	P	H
CH 142		5427.22	49.38	-24.62	74	40.65	31.65	10.19	33.11	100	244	P	V
5710MHz		5469.34	47.68	-20.52	68.2	38.75	31.78	10.26	33.11	100	244	P	V
		5459.98	40.37	-13.63	54	31.5	31.74	10.24	33.11	100	244	A	V
	*	5710	107.05	-	-	97.69	32.02	10.52	33.18	100	244	P	V
	*	5710	98.46	-	-	89.1	32.02	10.52	33.18	100	244	A	V
		5890.5	50.01	-18.19	68.2	40.17	32.46	10.61	33.23	100	244	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	47.43	-26.57	74	55.06	39.7	17.12	64.45	100	0	P	H
		17130	49.74	-18.46	68.2	48.53	40.19	21.96	60.94	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	48.25	-25.75	74	55.88	39.7	17.12	64.45	100	0	P	V
5710MHz		17130	49.32	-18.88	68.2	48.11	40.19	21.96	60.94	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5457.25	48.96	-25.04	74	40.1	31.73	10.24	33.11	100	240	P	H
		5461.15	47.89	-20.31	68.2	39.02	31.74	10.24	33.11	100	240	P	H
		5452.57	41.66	-12.34	54	32.83	31.71	10.23	33.11	100	240	A	H
	*	5690	107.84	-	-	98.56	31.94	10.51	33.17	100	240	P	H
802.11ac	*	5690	99.18	-	-	89.9	31.94	10.51	33.17	100	240	A	H
VHT80		5850.4	51.42	-16.78	68.2	41.75	32.3	10.59	33.22	100	240	P	H
CH 138		5454.13	48.74	-25.26	74	39.9	31.72	10.23	33.11	100	244	P	V
5690MHz		5461.15	47.94	-20.26	68.2	39.07	31.74	10.24	33.11	100	244	P	V
		5452.57	40.54	-13.46	54	31.71	31.71	10.23	33.11	100	244	A	V
	*	5690	103.88	-	-	94.6	31.94	10.51	33.17	100	244	P	V
	*	5690	95.48	-	-	86.2	31.94	10.51	33.17	100	244	A	V
		5893	51.4	-16.8	68.2	41.56	32.47	10.61	33.24	100	244	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	47.38	-26.62	74	55.13	39.66	17.06	64.47	100	0	P	H
		17070	50.01	-18.19	68.2	49.05	40.07	21.91	61.02	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	47.64	-26.36	74	55.39	39.66	17.06	64.47	100	0	P	V
5690MHz		17070	49.68	-18.52	68.2	48.72	40.07	21.91	61.02	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 LF		62.98	27.54	-12.46	40	47.2	11.62	1.08	32.36	100	0	P	H
		99.84	28.79	-14.71	43.5	44.11	15.66	1.34	32.32	-	-	P	H
		392.78	26.84	-19.16	46	35	21.31	2.69	32.16	-	-	P	H
		749.74	30.64	-15.36	46	31.01	27.82	3.82	32.01	-	-	P	H
		865.17	32.6	-13.4	46	30.74	29.28	4.11	31.53	-	-	P	H
		939.86	33.45	-12.55	46	30.2	29.94	4.29	30.98	-	-	P	H
													H
													H
													H
													H
													H
													H
		41.64	35.77	-4.23	40	49.06	18.23	0.85	32.37	100	17	QP	V
		61.04	28.87	-11.13	40	48.54	11.63	1.06	32.36	-	-	P	V
		99.84	27.98	-15.52	43.5	43.3	15.66	1.34	32.32	-	-	P	V
		114.39	27.96	-15.54	43.5	41.98	16.87	1.42	32.31	-	-	P	V
		872.93	33	-13	46	31.14	29.22	4.13	31.49	-	-	P	V
		949.56	33.12	-12.88	46	29.15	30.55	4.31	30.89	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.2	53.37	-20.63	74	44.56	31.9	10.03	33.12	316	311	P	H
		5149.5	46.81	-7.19	54	38	31.9	10.03	33.12	316	311	A	H
	*	5180	113.45	-	-	104.78	31.72	10.07	33.12	316	311	P	H
	*	5180	105.98	-	-	97.31	31.72	10.07	33.12	316	311	A	H
													H
													H
		5128.18	52.96	-21.04	74	44.21	31.86	10.01	33.12	296	297	P	V
		5148.2	45.86	-8.14	54	37.05	31.9	10.03	33.12	296	297	A	V
	*	5180	111.26	-	-	102.59	31.72	10.07	33.12	296	297	P	V
	*	5180	103.81	-	-	95.14	31.72	10.07	33.12	296	297	A	V
													V
													V
802.11a CH 44 5220MHz		5148.2	50.96	-23.04	74	42.15	31.9	10.03	33.12	313	310	P	H
		5148.46	43.4	-10.6	54	34.59	31.9	10.03	33.12	313	310	A	H
	*	5220	113.51	-	-	105.01	31.52	10.1	33.12	313	310	P	H
	*	5220	105.7	-	-	97.2	31.52	10.1	33.12	313	310	A	H
		5366.32	51.74	-22.26	74	43.31	31.4	10.14	33.11	313	310	P	H
		5365.78	42.82	-11.18	54	34.4	31.39	10.14	33.11	313	310	A	H
		5149.5	50.55	-23.45	74	41.74	31.9	10.03	33.12	334	289	P	V
		5148.46	43.31	-10.69	54	34.5	31.9	10.03	33.12	334	289	A	V
	*	5220	111.6	-	-	103.1	31.52	10.1	33.12	334	289	P	V
	*	5220	104.18	-	-	95.68	31.52	10.1	33.12	334	289	A	V
		5431.66	50.6	-23.4	74	41.85	31.66	10.2	33.11	334	289	P	V
		5380.09	41.38	-12.62	54	32.87	31.48	10.14	33.11	334	289	A	V

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 48 5240MHz		5057.72	50.33	-23.67	74	41.89	31.63	9.93	33.12	311	317	P	H
		5150	41.59	-12.41	54	32.78	31.9	10.03	33.12	311	317	A	H
	*	5240	113.19	-	-	104.77	31.44	10.1	33.12	311	317	P	H
	*	5240	105.79	-	-	97.37	31.44	10.1	33.12	311	317	A	H
		5396.02	51.6	-22.4	74	42.98	31.58	10.15	33.11	311	317	P	H
		5351.2	42.62	-11.38	54	34.28	31.31	10.14	33.11	311	317	A	H
		5118.82	50.2	-23.8	74	41.48	31.84	10	33.12	306	277	P	V
		5150	41.55	-12.45	54	32.74	31.9	10.03	33.12	306	277	A	V
	*	5240	110.98	-	-	102.56	31.44	10.1	33.12	306	277	P	V
	*	5240	103.57	-	-	95.15	31.44	10.1	33.12	306	277	A	V
		5399.26	50.68	-23.32	74	42.04	31.6	10.15	33.11	306	277	P	V
		5356.87	41.35	-12.65	54	32.98	31.34	10.14	33.11	306	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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.77	-20.43	68.2	55.77	39.54	16.12	63.66	100	0	P	H
		15540	46.66	-27.34	74	50.24	38.3	20.56	62.44	100	0	P	H
													H
													H
		10360	48.17	-20.03	68.2	56.17	39.54	16.12	63.66	100	0	P	V
		15540	46.67	-27.33	74	50.25	38.3	20.56	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	47.14	-21.06	68.2	55.13	39.7	16.17	63.86	100	0	P	H
		15660	46.81	-27.19	74	50.82	37.7	20.53	62.24	100	0	P	H
													H
													H
		10440	47.18	-21.02	68.2	55.17	39.7	16.17	63.86	100	0	P	V
		15660	45.66	-28.34	74	49.67	37.7	20.53	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.8	-21.4	68.2	54.85	39.7	16.2	63.95	100	0	P	H
		15720	46.5	-27.5	74	50.61	37.52	20.52	62.15	100	0	P	H
													H
													H
		10480	47.3	-20.9	68.2	55.35	39.7	16.2	63.95	100	0	P	V
		15720	46.33	-27.67	74	50.44	37.52	20.52	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5148.98	54.53	-19.47	74	45.72	31.9	10.03	33.12	250	309	P	H
		5150	47.98	-6.02	54	39.17	31.9	10.03	33.12	250	309	A	H
	*	5180	113.03	-	-	104.36	31.72	10.07	33.12	250	309	P	H
	*	5180	105.72	-	-	97.05	31.72	10.07	33.12	250	309	A	H
802.11ac													H
VHT20													H
CH 36		5139.62	53.5	-20.5	74	44.72	31.88	10.02	33.12	336	297	P	V
5180MHz		5150	46.34	-7.66	54	37.53	31.9	10.03	33.12	336	297	A	V
	*	5180	111.22	-	-	102.55	31.72	10.07	33.12	336	297	P	V
	*	5180	103.61	-	-	94.94	31.72	10.07	33.12	336	297	A	V
													V
													V
		5145.34	51.46	-22.54	74	42.66	31.89	10.03	33.12	250	311	P	H
		5150	44.38	-9.62	54	35.57	31.9	10.03	33.12	250	311	A	H
	*	5220	113.55	-	-	105.05	31.52	10.1	33.12	250	311	P	H
	*	5220	105.98	-	-	97.48	31.52	10.1	33.12	250	311	A	H
802.11ac		5376.31	52.72	-21.28	74	44.23	31.46	10.14	33.11	250	311	P	H
VHT20		5366.05	42.92	-11.08	54	34.49	31.4	10.14	33.11	250	311	A	H
CH 44		5095.94	50.7	-23.3	74	42.06	31.78	9.98	33.12	334	283	P	V
5220MHz		5148.98	43.39	-10.61	54	34.58	31.9	10.03	33.12	334	283	A	V
	*	5220	111.15	-	-	102.65	31.52	10.1	33.12	334	283	P	V
	*	5220	103.71	-	-	95.21	31.52	10.1	33.12	334	283	A	V
		5386.57	50.1	-23.9	74	41.54	31.52	10.15	33.11	334	283	P	V
		5372.26	41.75	-12.25	54	33.29	31.43	10.14	33.11	334	283	A	V

		5127.92	50.55	-23.45	74	41.8	31.86	10.01	33.12	229	316	P	H
		5148.72	42.25	-11.75	54	33.44	31.9	10.03	33.12	229	316	A	H
	*	5240	114.13	-	-	105.71	31.44	10.1	33.12	229	316	P	H
	*	5240	106.7	-	-	98.28	31.44	10.1	33.12	229	316	A	H
802.11ac		5409.52	51.64	-22.36	74	42.97	31.62	10.16	33.11	229	316	P	H
VHT20		5356.87	42.94	-11.06	54	34.57	31.34	10.14	33.11	229	316	A	H
CH 48		5101.92	50.61	-23.39	74	41.95	31.8	9.98	33.12	322	284	P	V
5240MHz		5147.68	41.69	-12.31	54	32.88	31.9	10.03	33.12	322	284	A	V
	*	5240	110.99	-	-	102.57	31.44	10.1	33.12	322	284	P	V
	*	5240	103.46	-	-	95.04	31.44	10.1	33.12	322	284	A	V
		5452.99	50.81	-23.19	74	41.98	31.71	10.23	33.11	322	284	P	V
		5389.81	41.29	-12.71	54	32.71	31.54	10.15	33.11	322	284	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	48.43	-19.77	68.2	56.43	39.54	16.12	63.66	100	0	P	H
		15540	47.22	-26.78	74	50.8	38.3	20.56	62.44	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	47.81	-20.39	68.2	55.81	39.54	16.12	63.66	100	0	P	V
5180MHz		15540	46.48	-27.52	74	50.06	38.3	20.56	62.44	100	0	P	V
													V
													V
		10440	45.65	-22.55	68.2	53.64	39.7	16.17	63.86	100	0	P	H
		15660	45.22	-28.78	74	49.23	37.7	20.53	62.24	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	46.01	-22.19	68.2	54	39.7	16.17	63.86	100	0	P	V
5220MHz		15660	45.94	-28.06	74	49.95	37.7	20.53	62.24	100	0	P	V
													V
													V
		10480	45.89	-22.31	68.2	53.94	39.7	16.2	63.95	100	0	P	H
		15720	46.77	-27.23	74	50.88	37.52	20.52	62.15	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	45.73	-22.47	68.2	53.78	39.7	16.2	63.95	100	0	P	V
5240MHz		15720	45.35	-28.65	74	49.46	37.52	20.52	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5147.16	57.93	-16.07	74	49.13	31.89	10.03	33.12	236	310	P	H
		5149.76	50.27	-3.73	54	41.46	31.9	10.03	33.12	236	310	A	H
	*	5190	111.24	-	-	102.62	31.66	10.08	33.12	236	310	P	H
	*	5190	103.41	-	-	94.79	31.66	10.08	33.12	236	310	A	H
802.11ac		5359.2	51.03	-22.97	74	42.64	31.36	10.14	33.11	236	310	P	H
VHT40		5354.72	42.74	-11.26	54	34.38	31.33	10.14	33.11	236	310	A	H
CH 38		5145.34	56.19	-17.81	74	47.39	31.89	10.03	33.12	340	274	P	V
5190MHz		5148.46	48.08	-5.92	54	39.27	31.9	10.03	33.12	340	274	A	V
	*	5190	108.13	-	-	99.51	31.66	10.08	33.12	340	274	P	V
	*	5190	100.26	-	-	91.64	31.66	10.08	33.12	340	274	A	V
		5434.24	50.18	-23.82	74	41.42	31.67	10.2	33.11	340	274	P	V
		5379.08	41.64	-12.36	54	33.14	31.47	10.14	33.11	340	274	A	V
		5143.78	53.19	-20.81	74	44.39	31.89	10.03	33.12	232	311	P	H
		5148.98	45.88	-8.12	54	37.07	31.9	10.03	33.12	232	311	A	H
	*	5230	112.19	-	-	103.73	31.48	10.1	33.12	232	311	P	H
	*	5230	104.12	-	-	95.66	31.48	10.1	33.12	232	311	A	H
802.11ac		5367.6	53.84	-20.16	74	45.4	31.41	10.14	33.11	232	311	P	H
VHT40		5350	45.56	-8.44	54	37.23	31.3	10.14	33.11	232	311	A	H
CH 46		5147.42	52.8	-21.2	74	44	31.89	10.03	33.12	390	284	P	V
5230MHz		5149.5	43.68	-10.32	54	34.87	31.9	10.03	33.12	390	284	A	V
	*	5230	110.11	-	-	101.65	31.48	10.1	33.12	390	284	P	V
	*	5230	101.96	-	-	93.5	31.48	10.1	33.12	390	284	A	V
		5362.28	51.86	-22.14	74	43.46	31.37	10.14	33.11	390	284	P	V
		5350.24	42.93	-11.07	54	34.6	31.3	10.14	33.11	390	284	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	45.76	-22.44	68.2	53.71	39.62	16.14	63.71	100	0	P	H
		15570	45.71	-28.29	74	49.4	38.15	20.55	62.39	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	47.93	-20.27	68.2	55.88	39.62	16.14	63.71	100	0	P	V
5190MHz		15570	45.75	-28.25	74	49.44	38.15	20.55	62.39	100	0	P	V
													V
													V
		10460	45.79	-22.41	68.2	53.8	39.7	16.19	63.9	100	0	P	H
		15690	45.82	-28.18	74	49.94	37.55	20.53	62.2	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	46.47	-21.73	68.2	54.48	39.7	16.19	63.9	100	0	P	V
5230MHz		15690	45.15	-28.85	74	49.27	37.55	20.53	62.2	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5141.44	57.25	-16.75	74	48.46	31.88	10.03	33.12	226	309	P	H
		5144.84	48.94	-5.06	54	40.14	31.89	10.03	33.12	226	309	A	H
	*	5210	106.98	-	-	98.45	31.56	10.09	33.12	226	309	P	H
	*	5210	98.98	-	-	90.45	31.56	10.09	33.12	226	309	A	H
802.11ac		5360.94	51.61	-22.39	74	43.21	31.37	10.14	33.11	226	309	P	H
VHT80		5352.1	42.89	-11.11	54	34.55	31.31	10.14	33.11	226	309	A	H
CH 42		5144.5	54.97	-19.03	74	46.17	31.89	10.03	33.12	348	286	P	V
5210MHz		5144.84	47.59	-6.41	54	38.79	31.89	10.03	33.12	348	286	A	V
	*	5210	104.48	-	-	95.95	31.56	10.09	33.12	348	286	P	V
	*	5210	96.65	-	-	88.12	31.56	10.09	33.12	348	286	A	V
		5376.54	51.23	-22.77	74	42.74	31.46	10.14	33.11	348	286	P	V
		5356.78	41.49	-12.51	54	33.12	31.34	10.14	33.11	348	286	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	47.94	-20.26	68.2	55.89	39.7	16.16	63.81	100	0	P	H
		15630	46.81	-27.19	74	50.71	37.85	20.54	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	47.11	-21.09	68.2	55.06	39.7	16.16	63.81	100	0	P	V
5210MHz		15630	47.11	-26.89	74	51.01	37.85	20.54	62.29	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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		5013.6	50.36	-23.64	74	42.15	31.45	9.88	33.12	308	310	P	H
		5131.58	41.52	-12.48	54	32.77	31.86	10.01	33.12	308	310	A	H
	*	5260	112.29	-	-	103.91	31.38	10.11	33.11	308	310	P	H
	*	5260	104.92	-	-	96.54	31.38	10.11	33.11	308	310	A	H
		5455.44	50.49	-23.51	74	41.64	31.72	10.24	33.11	308	310	P	H
		5350.32	42.78	-11.22	54	34.45	31.3	10.14	33.11	308	310	A	H
		5127.84	50.77	-23.23	74	42.02	31.86	10.01	33.12	328	285	P	V
		5112.88	41.58	-12.42	54	32.88	31.83	9.99	33.12	328	285	A	V
	*	5260	110.19	-	-	101.81	31.38	10.11	33.11	328	285	P	V
	*	5260	102.55	-	-	94.17	31.38	10.11	33.11	328	285	A	V
		5363.28	51.89	-22.11	74	43.48	31.38	10.14	33.11	328	285	P	V
		5351.04	41.48	-12.52	54	33.14	31.31	10.14	33.11	328	285	A	V
802.11a CH 60 5300MHz		5110.84	50.02	-23.98	74	41.33	31.82	9.99	33.12	319	317	P	H
		5106.42	41.53	-12.47	54	32.85	31.81	9.99	33.12	319	317	A	H
	*	5300	113.2	-	-	104.89	31.3	10.12	33.11	319	317	P	H
	*	5300	105.62	-	-	97.31	31.3	10.12	33.11	319	317	A	H
		5353.92	55.16	-18.84	74	46.81	31.32	10.14	33.11	319	317	P	H
		5351.52	46.91	-7.09	54	38.57	31.31	10.14	33.11	319	317	A	H
		5118.66	50.36	-23.64	74	41.64	31.84	10	33.12	308	273	P	V
		5082.96	41.51	-12.49	54	32.94	31.73	9.96	33.12	308	273	A	V
	*	5300	110.39	-	-	102.08	31.3	10.12	33.11	308	273	P	V
	*	5300	103.12	-	-	94.81	31.3	10.12	33.11	308	273	A	V
		5354.4	53.4	-20.6	74	45.04	31.33	10.14	33.11	308	273	P	V
		5350.32	44.86	-9.14	54	36.53	31.3	10.14	33.11	308	273	A	V

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 64 5320MHz	*	5320	112.44	-	-	104.12	31.3	10.13	33.11	336	311	P	H
	*	5320	105.07	-	-	96.75	31.3	10.13	33.11	336	311	A	H
		5350.4	54.84	-19.16	74	46.51	31.3	10.14	33.11	336	311	P	H
		5359.84	46.31	-7.69	54	37.92	31.36	10.14	33.11	336	311	A	H
													H
													H
	*	5320	110.25	-	-	101.93	31.3	10.13	33.11	300	275	P	V
	*	5320	102.91	-	-	94.59	31.3	10.13	33.11	300	275	A	V
		5367.84	54.18	-19.82	74	45.74	31.41	10.14	33.11	300	275	P	V
		5357.6	44.72	-9.28	54	36.34	31.35	10.14	33.11	300	275	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	46.72	-21.48	68.2	54.83	39.7	16.22	64.03	100	0	P	H
		15780	45.35	-28.65	74	49.31	37.58	20.51	62.05	100	0	P	H
													H
													H
		10520	46.24	-21.96	68.2	54.35	39.7	16.22	64.03	100	0	P	V
		15780	45.2	-28.8	74	49.16	37.58	20.51	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	46.55	-27.45	74	54.72	39.7	16.27	64.14	100	0	P	H
		15900	45.75	-28.25	74	49.93	37.2	20.48	61.86	100	0	P	H
													H
													H
		10600	46.05	-27.95	74	54.22	39.7	16.27	64.14	100	0	P	V
		15900	44.94	-29.06	74	49.12	37.2	20.48	61.86	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	45.11	-28.89	74	53.35	39.66	16.3	64.2	100	0	P	H
		15960	43.06	-30.94	74	47.33	37.02	20.47	61.76	100	0	P	H
													H
													H
		10640	44.52	-29.48	74	52.76	39.66	16.3	64.2	100	0	P	V
		15960	44.93	-29.07	74	49.2	37.02	20.47	61.76	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5080.58	50.21	-23.79	74	41.65	31.72	9.96	33.12	242	311	P	H
		5136	41.76	-12.24	54	32.99	31.87	10.02	33.12	242	311	A	H
	*	5260	112.65	-	-	104.27	31.38	10.11	33.11	242	311	P	H
	*	5260	104.95	-	-	96.57	31.38	10.11	33.11	242	311	A	H
802.11ac		5356.32	51.99	-22.01	74	43.62	31.34	10.14	33.11	242	311	P	H
VHT20		5350.32	43.72	-10.28	54	35.39	31.3	10.14	33.11	242	311	A	H
CH 52		5141.78	49.74	-24.26	74	40.95	31.88	10.03	33.12	322	276	P	V
5260MHz		5144.16	41.54	-12.46	54	32.74	31.89	10.03	33.12	322	276	A	V
	*	5260	109.49	-	-	101.11	31.38	10.11	33.11	322	276	P	V
	*	5260	102.15	-	-	93.77	31.38	10.11	33.11	322	276	A	V
		5415.84	50.69	-23.31	74	42	31.63	10.17	33.11	322	276	P	V
		5351.04	41.61	-12.39	54	33.27	31.31	10.14	33.11	322	276	A	V
		5143.48	50.31	-23.69	74	41.51	31.89	10.03	33.12	236	311	P	H
		5133.28	41.65	-12.35	54	32.88	31.87	10.02	33.12	236	311	A	H
	*	5300	112.72	-	-	104.41	31.3	10.12	33.11	236	311	P	H
	*	5300	105.33	-	-	97.02	31.3	10.12	33.11	236	311	A	H
802.11ac		5361.84	56.59	-17.41	74	48.19	31.37	10.14	33.11	236	311	P	H
VHT20		5352	47.95	-6.05	54	39.61	31.31	10.14	33.11	236	311	A	H
CH 60		5109.82	50.41	-23.59	74	41.72	31.82	9.99	33.12	307	266	P	V
5300MHz		5102.68	41.42	-12.58	54	32.75	31.81	9.98	33.12	307	266	A	V
	*	5300	109.7	-	-	101.39	31.3	10.12	33.11	307	266	P	V
	*	5300	102.14	-	-	93.83	31.3	10.12	33.11	307	266	A	V
		5364	52.99	-21.01	74	44.58	31.38	10.14	33.11	307	266	P	V
		5350.08	44.61	-9.39	54	36.28	31.3	10.14	33.11	307	266	A	V

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)
	*	5320	112.99	-	-	104.67	31.3	10.13	33.11	229	317	P	H
	*	5320	105.58	-	-	97.26	31.3	10.13	33.11	229	317	A	H
		5375.84	56.5	-17.5	74	48.01	31.46	10.14	33.11	229	317	P	H
		5357.6	47.78	-6.22	54	39.4	31.35	10.14	33.11	229	317	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	109.83	-	-	101.51	31.3	10.13	33.11	302	266	P	V
5320MHz	*	5320	102.27	-	-	93.95	31.3	10.13	33.11	302	266	A	V
		5352	54.61	-19.39	74	46.27	31.31	10.14	33.11	302	266	P	V
		5352.8	44.73	-9.27	54	36.38	31.32	10.14	33.11	302	266	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	46.52	-21.68	68.2	54.63	39.7	16.22	64.03	100	0	P	H
		15780	45.28	-28.72	74	49.24	37.58	20.51	62.05	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	45	-23.2	68.2	53.11	39.7	16.22	64.03	100	0	P	V
5260MHz		15780	45.39	-28.61	74	49.35	37.58	20.51	62.05	100	0	P	V
													V
													V
		10600	45.6	-28.4	74	53.77	39.7	16.27	64.14	100	0	P	H
		15900	44.93	-29.07	74	49.11	37.2	20.48	61.86	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	45.21	-28.79	74	53.38	39.7	16.27	64.14	100	0	P	V
5300MHz		15900	45.19	-28.81	74	49.37	37.2	20.48	61.86	100	0	P	V
													V
													V
		10640	45.28	-28.72	74	53.52	39.66	16.3	64.2	100	0	P	H
		15960	44.28	-29.72	74	48.55	37.02	20.47	61.76	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	45.49	-28.51	74	53.73	39.66	16.3	64.2	100	0	P	V
5320MHz		15960	44.65	-29.35	74	48.92	37.02	20.47	61.76	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 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)
		5102.68	51.68	-22.32	74	43.01	31.81	9.98	33.12	231	311	P	H
		5145.86	42.15	-11.85	54	33.35	31.89	10.03	33.12	231	311	A	H
	*	5270	111.3	-	-	102.94	31.36	10.11	33.11	231	311	P	H
	*	5270	103.11	-	-	94.75	31.36	10.11	33.11	231	311	A	H
802.11ac		5362.08	55.39	-18.61	74	46.99	31.37	10.14	33.11	231	311	P	H
VHT40		5352.24	47.03	-6.97	54	38.69	31.31	10.14	33.11	231	311	A	H
CH 54		5149.94	51.7	-22.3	74	42.89	31.9	10.03	33.12	373	289	P	V
5270MHz		5148.92	42.05	-11.95	54	33.24	31.9	10.03	33.12	373	289	A	V
	*	5270	108.17	-	-	99.81	31.36	10.11	33.11	373	289	P	V
	*	5270	100.1	-	-	91.74	31.36	10.11	33.11	373	289	A	V
		5356.8	52.42	-21.58	74	44.05	31.34	10.14	33.11	373	289	P	V
		5351.52	44.31	-9.69	54	35.97	31.31	10.14	33.11	373	289	A	V
		5127.84	50.27	-23.73	74	41.52	31.86	10.01	33.12	225	313	P	H
		5147.22	42.25	-11.75	54	33.45	31.89	10.03	33.12	225	313	A	H
	*	5310	111.2	-	-	102.89	31.3	10.12	33.11	225	313	P	H
	*	5310	103.05	-	-	94.74	31.3	10.12	33.11	225	313	A	H
802.11ac		5350.08	60.67	-13.33	74	52.34	31.3	10.14	33.11	225	313	P	H
VHT40		5350.08	52.24	-1.76	54	43.91	31.3	10.14	33.11	225	313	A	H
CH 62		5053.04	50.99	-23.01	74	42.57	31.61	9.93	33.12	355	289	P	V
5310MHz		5141.1	42.41	-11.59	54	33.62	31.88	10.03	33.12	355	289	A	V
	*	5310	108.28	-	-	99.97	31.3	10.12	33.11	355	289	P	V
	*	5310	100.3	-	-	91.99	31.3	10.12	33.11	355	289	A	V
		5356.08	56.26	-17.74	74	47.89	31.34	10.14	33.11	355	289	P	V
		5350.08	48.92	-5.08	54	40.59	31.3	10.14	33.11	355	289	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	45.79	-22.41	68.2	53.92	39.7	16.23	64.06	100	0	P	H
		15810	45.99	-28.01	74	49.93	37.56	20.5	62	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	45.36	-22.84	68.2	53.49	39.7	16.23	64.06	100	0	P	V
5270MHz		15810	46.53	-27.47	74	50.47	37.56	20.5	62	100	0	P	V
													V
													V
		10620	45.74	-28.26	74	53.95	39.68	16.28	64.17	100	0	P	H
		15930	44.61	-29.39	74	48.84	37.11	20.47	61.81	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	45.02	-28.98	74	53.23	39.68	16.28	64.17	100	0	P	V
5310MHz		15930	44.1	-29.9	74	48.33	37.11	20.47	61.81	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)
		5133.5	50.96	-23.04	74	42.19	31.87	10.02	33.12	219	309	P	H
		5146.1	42.77	-11.23	54	33.97	31.89	10.03	33.12	219	309	A	H
	*	5290	104.99	-	-	96.66	31.32	10.12	33.11	219	309	P	H
	*	5290	97.72	-	-	89.39	31.32	10.12	33.11	219	309	A	H
802.11ac		5354.4	59.68	-14.32	74	51.32	31.33	10.14	33.11	219	309	P	H
VHT80		5353.44	51.65	-2.35	54	43.3	31.32	10.14	33.11	219	309	A	H
CH 58		5061.8	50.11	-23.89	74	41.64	31.65	9.94	33.12	400	288	P	V
5290MHz		5107.7	42.55	-11.45	54	33.86	31.82	9.99	33.12	400	288	A	V
	*	5290	103.71	-	-	95.38	31.32	10.12	33.11	400	288	P	V
	*	5290	96.07	-	-	87.74	31.32	10.12	33.11	400	288	A	V
		5361.36	58.13	-15.87	74	49.73	31.37	10.14	33.11	400	288	P	V
		5350.32	49.34	-4.66	54	41.01	31.3	10.14	33.11	400	288	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	47.75	-20.45	68.2	55.9	39.7	16.26	64.11	100	0	P	H
		15870	46.14	-27.86	74	50.24	37.32	20.49	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.71	-21.49	68.2	54.86	39.7	16.26	64.11	100	0	P	V
5290MHz		15870	45.5	-28.5	74	49.6	37.32	20.49	61.91	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		5456.4	54.43	-19.57	74	45.57	31.73	10.24	33.11	300	317	P	H
		5469.68	56.38	-11.82	68.2	47.45	31.78	10.26	33.11	300	317	P	H
		5457.52	46	-8	54	37.14	31.73	10.24	33.11	300	317	A	H
	*	5500	113.87	-	-	104.77	31.9	10.31	33.11	300	317	P	H
	*	5500	106.44	-	-	97.34	31.9	10.31	33.11	300	317	A	H
													H
		5438.32	52.67	-21.33	74	43.89	31.68	10.21	33.11	302	275	P	V
		5466.96	54.06	-14.14	68.2	45.15	31.77	10.25	33.11	302	275	P	V
		5458.32	44.14	-9.86	54	35.28	31.73	10.24	33.11	302	275	A	V
	*	5500	111.34	-	-	102.24	31.9	10.31	33.11	302	275	P	V
	*	5500	103.92	-	-	94.82	31.9	10.31	33.11	302	275	A	V
													V
802.11a CH 116 5580MHz		5457.76	50.34	-23.66	74	41.48	31.73	10.24	33.11	322	314	P	H
		5461.84	50.84	-17.36	68.2	41.95	31.75	10.25	33.11	322	314	P	H
		5433.52	41.81	-12.19	54	33.05	31.67	10.2	33.11	322	314	A	H
	*	5580	113.91	-	-	104.82	31.8	10.43	33.14	322	314	P	H
	*	5580	106.53	-	-	97.44	31.8	10.43	33.14	322	314	A	H
		5726.885	51.53	-16.67	68.2	42.13	32.05	10.53	33.18	322	314	P	H
		5455.36	49.29	-24.71	74	40.44	31.72	10.24	33.11	327	272	P	V
		5463.52	49.65	-18.55	68.2	40.76	31.75	10.25	33.11	327	272	P	V
		5458.72	41.11	-12.89	54	32.25	31.73	10.24	33.11	327	272	A	V
	*	5580	111.16	-	-	102.07	31.8	10.43	33.14	327	272	P	V
	*	5580	103.78	-	-	94.69	31.8	10.43	33.14	327	272	A	V
		5738.54	50.35	-17.85	68.2	40.92	32.08	10.54	33.19	327	272	P	V

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 140 5700MHz	*	5700	113.15	-	-	103.81	32	10.51	33.17	323	316	P	H
	*	5700	105.79	-	-	96.45	32	10.51	33.17	323	316	A	H
		5731.24	59.75	-8.45	68.2	50.34	32.06	10.53	33.18	323	316	P	H
													H
													H
													H
	*	5700	110.67	-	-	101.33	32	10.51	33.17	344	268	P	V
	*	5700	103.22	-	-	93.88	32	10.51	33.17	344	268	A	V
		5733.56	56.06	-12.14	68.2	46.64	32.07	10.53	33.18	344	268	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	46.53	-27.47	74	54.72	40	16.51	64.7	100	0	P	H
		16500	47.35	-20.85	68.2	48.4	38.7	21.15	60.9	100	0	P	H
													H
													H
		11000	47.12	-26.88	74	55.31	40	16.51	64.7	100	0	P	V
		16500	46.87	-21.33	68.2	47.92	38.7	21.15	60.9	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.11	-25.89	74	56.49	39.48	16.74	64.6	100	0	P	H
		16740	46.65	-21.55	68.2	46.61	39.56	21.48	61	100	0	P	H
													H
													H
		11160	49.52	-24.48	74	57.9	39.48	16.74	64.6	100	0	P	V
		16740	48.48	-19.72	68.2	48.44	39.56	21.48	61	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.73	-26.27	74	55.4	39.7	17.09	64.46	100	0	P	H
		17100	49.48	-18.72	68.2	48.42	40.1	21.94	60.98	100	0	P	H
													H
													H
		11400	46.56	-27.44	74	54.23	39.7	17.09	64.46	100	0	P	V
		17100	49.34	-18.86	68.2	48.28	40.1	21.94	60.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5455.44	56.45	-17.55	74	47.6	31.72	10.24	33.11	235	320	P	H
		5465.36	58.08	-10.12	68.2	49.18	31.76	10.25	33.11	235	320	P	H
		5459.6	46.3	-7.7	54	37.43	31.74	10.24	33.11	235	320	A	H
	*	5500	113.85	-	-	104.75	31.9	10.31	33.11	235	320	P	H
802.11ac	*	5500	106.61	-	-	97.51	31.9	10.31	33.11	235	320	A	H
VHT20													H
CH 100		5458.8	53.71	-20.29	74	44.84	31.74	10.24	33.11	351	275	P	V
5500MHz		5468.24	54.56	-13.64	68.2	45.64	31.77	10.26	33.11	351	275	P	V
		5457.04	44.04	-9.96	54	35.18	31.73	10.24	33.11	351	275	A	V
	*	5500	110.65	-	-	101.55	31.9	10.31	33.11	351	275	P	V
	*	5500	103.04	-	-	93.94	31.9	10.31	33.11	351	275	A	V
													V
		5451.76	51.9	-22.1	74	43.07	31.71	10.23	33.11	224	315	P	H
		5462.08	51.92	-16.28	68.2	43.03	31.75	10.25	33.11	224	315	P	H
		5459.2	42.09	-11.91	54	33.22	31.74	10.24	33.11	224	315	A	H
	*	5580	114.52	-	-	105.43	31.8	10.43	33.14	224	315	P	H
802.11ac	*	5580	107.16	-	-	98.07	31.8	10.43	33.14	224	315	A	H
VHT20		5742.95	51.85	-16.35	68.2	42.41	32.09	10.54	33.19	224	315	P	H
CH 116		5418.88	50.43	-23.57	74	41.72	31.64	10.18	33.11	312	278	P	V
5580MHz		5468.32	49.96	-18.24	68.2	41.04	31.77	10.26	33.11	312	278	P	V
		5428	40.93	-13.07	54	32.19	31.66	10.19	33.11	312	278	A	V
	*	5580	110.85	-	-	101.76	31.8	10.43	33.14	312	278	P	V
	*	5580	103.17	-	-	94.08	31.8	10.43	33.14	312	278	A	V
		5763.11	51.38	-16.82	68.2	41.89	32.13	10.55	33.19	312	278	P	V

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)
	*	5700	113.36	-	-	104.02	32	10.51	33.17	228	316	P	H
	*	5700	105.96	-	-	96.62	32	10.51	33.17	228	316	A	H
		5729.88	61.41	-6.79	68.2	52	32.06	10.53	33.18	228	316	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	110.2	-	-	100.86	32	10.51	33.17	313	267	P	V
5700MHz	*	5700	102.44	-	-	93.1	32	10.51	33.17	313	267	A	V
		5725.56	55.81	-12.39	68.2	46.41	32.05	10.53	33.18	313	267	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	48.13	-25.87	74	56.32	40	16.51	64.7	100	0	P	H
		16500	46.88	-21.32	68.2	47.93	38.7	21.15	60.9	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	46.58	-27.42	74	54.77	40	16.51	64.7	100	0	P	V
5500MHz		16500	47.36	-20.84	68.2	48.41	38.7	21.15	60.9	100	0	P	V
													V
													V
		11160	48.21	-25.79	74	56.59	39.48	16.74	64.6	100	0	P	H
		16740	47.56	-20.64	68.2	47.52	39.56	21.48	61	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	48.73	-25.27	74	57.11	39.48	16.74	64.6	100	0	P	V
5580MHz		16740	48.14	-20.06	68.2	48.1	39.56	21.48	61	100	0	P	V
													V
													V
		11400	47.1	-26.9	74	54.77	39.7	17.09	64.46	100	0	P	H
		17100	49.1	-19.1	68.2	48.04	40.1	21.94	60.98	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	47.91	-26.09	74	55.58	39.7	17.09	64.46	100	0	P	V
5700MHz		17100	49.34	-18.86	68.2	48.28	40.1	21.94	60.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5443.6	59.95	-14.05	74	51.15	31.69	10.22	33.11	224	318	P	H
		5469.76	62.9	-5.3	68.2	53.97	31.78	10.26	33.11	224	318	P	H
		5459.2	51.8	-2.2	54	42.93	31.74	10.24	33.11	224	318	A	H
	*	5510	112.91	-	-	103.82	31.88	10.32	33.11	224	318	P	H
802.11ac	*	5510	104.62	-	-	95.53	31.88	10.32	33.11	224	318	A	H
VHT40		5755.865	53.56	-14.64	68.2	44.09	32.11	10.55	33.19	224	318	P	H
CH 102		5458.48	56.32	-17.68	74	47.46	31.73	10.24	33.11	390	285	P	V
5510MHz		5470	58.67	-9.53	68.2	49.74	31.78	10.26	33.11	390	285	P	V
		5459.2	48.3	-5.7	54	39.43	31.74	10.24	33.11	390	285	A	V
	*	5510	109.23	-	-	100.14	31.88	10.32	33.11	390	285	P	V
	*	5510	101.12	-	-	92.03	31.88	10.32	33.11	390	285	A	V
		5729.405	50.69	-17.51	68.2	41.28	32.06	10.53	33.18	390	285	P	V
		5459.44	53.98	-20.02	74	45.11	31.74	10.24	33.11	231	319	P	H
		5464.72	55.78	-12.42	68.2	46.88	31.76	10.25	33.11	231	319	P	H
		5458.96	45.83	-8.17	54	36.96	31.74	10.24	33.11	231	319	A	H
	*	5550	112.68	-	-	103.63	31.8	10.38	33.13	231	319	P	H
802.11ac	*	5550	104.85	-	-	95.8	31.8	10.38	33.13	231	319	A	H
VHT40		5734.76	52.78	-15.42	68.2	43.37	32.07	10.53	33.19	231	319	P	H
CH 110		5447.44	52.23	-21.77	74	43.43	31.69	10.22	33.11	346	278	P	V
5550MHz		5465.68	53.05	-15.15	68.2	44.15	31.76	10.25	33.11	346	278	P	V
		5458.96	44	-10	54	35.13	31.74	10.24	33.11	346	278	A	V
	*	5550	109.71	-	-	100.66	31.8	10.38	33.13	346	278	P	V
	*	5550	101.61	-	-	92.56	31.8	10.38	33.13	346	278	A	V
		5745.155	51	-17.2	68.2	41.56	32.09	10.54	33.19	346	278	P	V

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)
		5447.3	50.3	-23.7	74	41.5	31.69	10.22	33.11	233	314	P	H
		5460.95	49.62	-18.58	68.2	40.75	31.74	10.24	33.11	233	314	P	H
		5449.05	41.78	-12.22	54	32.96	31.7	10.23	33.11	233	314	A	H
	*	5670	111.86	-	-	102.7	31.82	10.5	33.16	233	314	P	H
802.11ac	*	5670	103.84	-	-	94.68	31.82	10.5	33.16	233	314	A	H
VHT40		5725.625	63.28	-4.92	68.2	53.88	32.05	10.53	33.18	233	314	P	H
CH 134		5453.6	49.64	-24.36	74	40.81	31.71	10.23	33.11	385	275	P	V
5670MHz		5467.95	49.9	-18.3	68.2	40.98	31.77	10.26	33.11	385	275	P	V
		5440.3	41.3	-12.7	54	32.52	31.68	10.21	33.11	385	275	A	V
	*	5670	109.15	-	-	99.99	31.82	10.5	33.16	385	275	P	V
	*	5670	100.62	-	-	91.46	31.82	10.5	33.16	385	275	A	V
		5727.725	59.12	-9.08	68.2	49.71	32.06	10.53	33.18	385	275	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.85	-26.15	74	56.08	39.92	16.54	64.69	100	0	P	H
		16530	46.68	-21.52	68.2	47.64	38.76	21.19	60.91	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	47.09	-26.91	74	55.32	39.92	16.54	64.69	100	0	P	V
5510MHz		16530	47.78	-20.42	68.2	48.74	38.76	21.19	60.91	100	0	P	V
													V
													V
		11100	46.16	-27.84	74	54.54	39.6	16.66	64.64	100	0	P	H
		16650	46.62	-21.58	68.2	47.17	39.05	21.36	60.96	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	46.79	-27.21	74	55.17	39.6	16.66	64.64	100	0	P	V
5550MHz		16650	47.26	-20.94	68.2	47.81	39.05	21.36	60.96	100	0	P	V
													V
													V
		11340	47.3	-26.7	74	55.21	39.58	17.01	64.5	100	0	P	H
		17010	48.36	-19.84	68.2	47.59	40.01	21.85	61.09	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	47.34	-26.66	74	55.25	39.58	17.01	64.5	100	0	P	V
5670MHz		17010	48.23	-19.97	68.2	47.46	40.01	21.85	61.09	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.2	59.04	-14.96	74	50.17	31.74	10.24	33.11	227	307	P	H
		5467.36	60	-8.2	68.2	51.09	31.77	10.25	33.11	227	307	P	H
		5459.92	51.2	-2.8	54	42.33	31.74	10.24	33.11	227	307	A	H
	*	5530	108.08	-	-	99.01	31.84	10.35	33.12	227	307	P	H
802.11ac	*	5530	100.13	-	-	91.06	31.84	10.35	33.12	227	307	A	H
VHT80		5745.785	52.6	-15.6	68.2	43.16	32.09	10.54	33.19	227	307	P	H
CH 106		5447.92	55.41	-18.59	74	46.6	31.7	10.22	33.11	370	288	P	V
5530MHz		5465.2	58.48	-9.72	68.2	49.58	31.76	10.25	33.11	370	288	P	V
		5459.44	48.49	-5.51	54	39.62	31.74	10.24	33.11	370	288	A	V
	*	5530	104.88	-	-	95.81	31.84	10.35	33.12	370	288	P	V
	*	5530	96.68	-	-	87.61	31.84	10.35	33.12	370	288	A	V
		5730.98	50.93	-17.27	68.2	41.52	32.06	10.53	33.18	370	288	P	V
		5456.75	55.19	-18.81	74	46.33	31.73	10.24	33.11	220	316	P	H
		5460.95	55.67	-12.53	68.2	46.8	31.74	10.24	33.11	220	316	P	H
		5457.45	45.46	-8.54	54	36.6	31.73	10.24	33.11	220	316	A	H
	*	5610	109.08	-	-	99.98	31.78	10.47	33.15	220	316	P	H
802.11ac	*	5610	101.31	-	-	92.21	31.78	10.47	33.15	220	316	A	H
VHT80		5728.25	59.35	-8.85	68.2	49.94	32.06	10.53	33.18	220	316	P	H
CH 122		5450.8	53.08	-20.92	74	44.26	31.7	10.23	33.11	373	277	P	V
5610MHz		5460.25	52.75	-15.45	68.2	43.88	31.74	10.24	33.11	373	277	P	V
		5458.5	43.61	-10.39	54	34.75	31.73	10.24	33.11	373	277	A	V
	*	5610	105.69	-	-	96.59	31.78	10.47	33.15	373	277	P	V
	*	5610	98.15	-	-	89.05	31.78	10.47	33.15	373	277	A	V
		5726.325	56.57	-11.63	68.2	47.17	32.05	10.53	33.18	373	277	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	48.36	-25.64	74	56.66	39.76	16.6	64.66	100	0	P	H
		16590	48.25	-19.95	68.2	49.03	38.88	21.28	60.94	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.67	-26.33	74	55.97	39.76	16.6	64.66	100	0	P	V
5530MHz		16590	48.46	-19.74	68.2	49.24	38.88	21.28	60.94	100	0	P	V
													V
													V
		11220	48.77	-25.23	74	57.09	39.42	16.83	64.57	100	0	P	H
		16830	49.37	-18.83	68.2	48.75	40.04	21.61	61.03	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.99	-26.01	74	56.31	39.42	16.83	64.57	100	0	P	V
5610MHz		16830	50.29	-17.91	68.2	49.67	40.04	21.61	61.03	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		5381.98	49.13	-24.87	74	40.61	31.49	10.14	33.11	303	315	P	H
		5465.05	48.41	-19.79	68.2	39.51	31.76	10.25	33.11	303	315	P	H
		5456.86	40.64	-13.36	54	31.78	31.73	10.24	33.11	303	315	A	H
	*	5720	113.03	-	-	103.64	32.04	10.53	33.18	303	315	P	H
	*	5720	105.73	-	-	96.34	32.04	10.53	33.18	303	315	A	H
		5886.75	52.58	-15.62	68.2	42.76	32.45	10.6	33.23	303	315	P	H
		5389	49.8	-24.2	74	41.23	31.53	10.15	33.11	341	275	P	V
		5461.15	48.42	-19.78	68.2	39.55	31.74	10.24	33.11	341	275	P	V
		5458.03	40.44	-13.56	54	31.58	31.73	10.24	33.11	341	275	A	V
	*	5720	110.26	-	-	100.87	32.04	10.53	33.18	341	275	P	V
	*	5720	102.94	-	-	93.55	32.04	10.53	33.18	341	275	A	V
		5909.25	51.07	-17.13	68.2	41.18	32.52	10.61	33.24	341	275	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	47.96	-26.04	74	55.55	39.7	17.15	64.44	100	0	P	H
		17160	47.76	-20.44	68.2	46.4	40.28	21.99	60.91	100	0	P	H
													H
													H
		11440	47.84	-26.16	74	55.43	39.7	17.15	64.44	100	0	P	V
		17160	47.93	-20.27	68.2	46.57	40.28	21.99	60.91	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)
		5455.3	49.33	-24.67	74	40.48	31.72	10.24	33.11	226	314	P	H
		5461.15	48.48	-19.72	68.2	39.61	31.74	10.24	33.11	226	314	P	H
		5458.42	40.57	-13.43	54	31.71	31.73	10.24	33.11	226	314	A	H
	*	5720	113.95	-	-	104.56	32.04	10.53	33.18	226	314	P	H
802.11ac	*	5720	105.69	-	-	96.3	32.04	10.53	33.18	226	314	A	H
VHT20		5860	52.91	-15.29	68.2	43.21	32.34	10.59	33.23	226	314	P	H
CH 144		5397.19	47.87	-26.13	74	39.25	31.58	10.15	33.11	360	275	P	V
5720MHz		5461.15	49.44	-18.76	68.2	40.57	31.74	10.24	33.11	360	275	P	V
		5458.42	40.23	-13.77	54	31.37	31.73	10.24	33.11	360	275	A	V
	*	5720	110.09	-	-	100.7	32.04	10.53	33.18	360	275	P	V
	*	5720	101.89	-	-	92.5	32.04	10.53	33.18	360	275	A	V
		5855.25	51.19	-17.01	68.2	41.5	32.32	10.59	33.22	360	275	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	47.89	-26.11	74	55.48	39.7	17.15	64.44	100	0	P	H
		17160	48.99	-19.21	68.2	47.63	40.28	21.99	60.91	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	46.9	-27.1	74	54.49	39.7	17.15	64.44	100	0	P	V
5720MHz		17160	48.11	-20.09	68.2	46.75	40.28	21.99	60.91	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)
		5379.64	48.76	-25.24	74	40.25	31.48	10.14	33.11	224	321	P	H
		5461.15	49.34	-18.86	68.2	40.47	31.74	10.24	33.11	224	321	P	H
		5452.18	41	-13	54	32.17	31.71	10.23	33.11	224	321	A	H
	*	5710	112.06	-	-	102.7	32.02	10.52	33.18	224	321	P	H
802.11ac	*	5710	103.56	-	-	94.2	32.02	10.52	33.18	224	321	A	H
VHT40		5859.25	52.68	-15.52	68.2	42.97	32.34	10.59	33.22	224	321	P	H
CH 142		5448.28	48.88	-25.12	74	40.07	31.7	10.22	33.11	361	282	P	V
5710MHz		5468.56	47.79	-20.41	68.2	38.87	31.77	10.26	33.11	361	282	P	V
		5452.18	40.64	-13.36	54	31.81	31.71	10.23	33.11	361	282	A	V
	*	5710	109.35	-	-	99.99	32.02	10.52	33.18	361	282	P	V
	*	5710	101.17	-	-	91.81	32.02	10.52	33.18	361	282	A	V
		5889.5	50.93	-17.27	68.2	41.09	32.46	10.61	33.23	361	282	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	46.86	-27.14	74	54.49	39.7	17.12	64.45	100	0	P	H
		17130	47.98	-20.22	68.2	46.77	40.19	21.96	60.94	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	46.87	-27.13	74	54.5	39.7	17.12	64.45	100	0	P	V
5710MHz		17130	50.53	-17.67	68.2	49.32	40.19	21.96	60.94	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5429.56	48.98	-25.02	74	40.23	31.66	10.2	33.11	217	321	P	H
		5465.83	47.21	-20.99	68.2	38.31	31.76	10.25	33.11	217	321	P	H
		5455.69	41.01	-12.99	54	32.16	31.72	10.24	33.11	217	321	A	H
	*	5690	108.33	-	-	99.05	31.94	10.51	33.17	217	321	P	H
802.11ac	*	5690	100.08	-	-	90.8	31.94	10.51	33.17	217	321	A	H
VHT80		5868.4	53.47	-14.73	68.2	43.73	32.37	10.6	33.23	217	321	P	H
CH 138		5424.49	49.34	-24.66	74	40.61	31.65	10.19	33.11	359	280	P	V
5690MHz		5466.61	48.35	-19.85	68.2	39.44	31.77	10.25	33.11	359	280	P	V
		5459.2	40.5	-13.5	54	31.63	31.74	10.24	33.11	359	280	A	V
	*	5690	105.07	-	-	95.79	31.94	10.51	33.17	359	280	P	V
	*	5690	96.68	-	-	87.4	31.94	10.51	33.17	359	280	A	V
		5929.9	51.29	-16.91	68.2	41.36	32.56	10.62	33.25	359	280	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.85	-26.15	74	55.6	39.66	17.06	64.47	100	0	P	H
		17070	49.68	-18.52	68.2	48.72	40.07	21.91	61.02	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	48.09	-25.91	74	55.84	39.66	17.06	64.47	100	0	P	V
5690MHz		17070	50.03	-18.17	68.2	49.07	40.07	21.91	61.02	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 LF		37.76	20.41	-19.59	40	31.68	20.28	0.82	32.37	-	-	P	H
		104.69	23.06	-20.44	43.5	37.61	16.4	1.37	32.32	-	-	P	H
		550.89	27.35	-18.65	46	31.02	25.31	3.21	32.19	-	-	P	H
		852.56	32.55	-13.45	46	30.89	29.18	4.08	31.6	-	-	P	H
		888.45	33.52	-12.48	46	31.71	29.06	4.16	31.41	-	-	P	H
		948.59	33.98	-12.02	46	30.08	30.49	4.31	30.9	100	0	P	H
													H
													H
													H
													H
													H
													H
		41.64	33.87	-6.13	40	47.16	18.23	0.85	32.37	100	63	P	V
		109.54	23.96	-19.54	43.5	38.11	16.76	1.4	32.31	-	-	QP	V
		193.93	21.58	-21.92	43.5	37.17	14.71	1.94	32.24	-	-	P	V
		702.21	28.56	-17.44	46	30.43	26.62	3.63	32.12	-	-	P	V
		870.99	33.02	-12.98	46	31.15	29.25	4.12	31.5	-	-	P	V
		942.77	33.57	-12.43	46	30.11	30.12	4.3	30.96	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5146.38	58.45	-15.55	74	49.65	31.89	10.03	33.12	100	302	P	H
		5146.9	50.77	-3.23	54	41.97	31.89	10.03	33.12	100	302	A	H
	*	5180	119.03	-	-	110.36	31.72	10.07	33.12	100	302	P	H
	*	5180	111.96	-	-	103.29	31.72	10.07	33.12	100	302	A	H
													H
													H
		5141.18	55.84	-18.16	74	47.05	31.88	10.03	33.12	100	298	P	V
		5149.76	48.12	-5.88	54	39.31	31.9	10.03	33.12	100	298	A	V
	*	5180	115.39	-	-	106.72	31.72	10.07	33.12	100	298	P	V
	*	5180	107.92	-	-	99.25	31.72	10.07	33.12	100	298	A	V
													V
													V
802.11a CH 44 5220MHz		5147.68	51.55	-22.45	74	42.74	31.9	10.03	33.12	100	302	P	H
		5150	45.84	-8.16	54	37.03	31.9	10.03	33.12	100	302	A	H
	*	5220	119.01	-	-	110.51	31.52	10.1	33.12	100	302	P	H
	*	5220	111.79	-	-	103.29	31.52	10.1	33.12	100	302	A	H
		5365.78	52.19	-21.81	74	43.77	31.39	10.14	33.11	100	302	P	H
		5372.8	43.44	-10.56	54	34.97	31.44	10.14	33.11	100	302	A	H
		5148.72	50.84	-23.16	74	42.03	31.9	10.03	33.12	100	301	P	V
		5147.94	43.34	-10.66	54	34.53	31.9	10.03	33.12	100	301	A	V
	*	5220	114.04	-	-	105.54	31.52	10.1	33.12	100	301	P	V
	*	5220	107.14	-	-	98.64	31.52	10.1	33.12	100	301	A	V
		5353.36	50.45	-23.55	74	42.1	31.32	10.14	33.11	100	301	P	V
		5452.72	40.82	-13.18	54	31.99	31.71	10.23	33.11	100	301	A	V

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 48 5240MHz		5141.44	52.3	-21.7	74	43.51	31.88	10.03	33.12	103	302	P	H
		5149.5	43.76	-10.24	54	34.95	31.9	10.03	33.12	103	302	A	H
	*	5240	118.66	-	-	110.24	31.44	10.1	33.12	103	302	P	H
	*	5240	111.8	-	-	103.38	31.44	10.1	33.12	103	302	A	H
		5350.39	53.15	-20.85	74	44.82	31.3	10.14	33.11	103	302	P	H
		5356.6	43.92	-10.08	54	35.55	31.34	10.14	33.11	103	302	A	H
		5059.28	50.21	-23.79	74	41.75	31.64	9.94	33.12	100	294	P	V
		5149.24	42.02	-11.98	54	33.21	31.9	10.03	33.12	100	294	A	V
	*	5240	114.72	-	-	106.3	31.44	10.1	33.12	100	294	P	V
	*	5240	107.3	-	-	98.88	31.44	10.1	33.12	100	294	A	V
		5361.73	49.26	-24.74	74	40.86	31.37	10.14	33.11	100	294	P	V
		5351.47	41.35	-12.65	54	33.01	31.31	10.14	33.11	100	294	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (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	52.6	-15.6	68.2	60.6	39.54	16.12	63.66	100	0	P	H
		15540	47.03	-26.97	74	50.61	38.3	20.56	62.44	100	0	P	H
													H
													H
		10360	53.78	-14.42	68.2	61.78	39.54	16.12	63.66	100	0	P	V
		15540	46.4	-27.6	74	49.98	38.3	20.56	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	53.68	-14.52	68.2	61.67	39.7	16.17	63.86	100	0	P	H
		15660	44.49	-29.51	74	48.5	37.7	20.53	62.24	100	0	P	H
													H
													H
		10440	55.51	-12.69	68.2	63.5	39.7	16.17	63.86	100	0	P	V
		15660	44.42	-29.58	74	48.43	37.7	20.53	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	52.54	-15.66	68.2	60.59	39.7	16.2	63.95	100	0	P	H
		15720	44.38	-29.62	74	48.49	37.52	20.52	62.15	100	0	P	H
													H
													H
		10480	54.53	-13.67	68.2	62.58	39.7	16.2	63.95	100	0	P	V
		15720	44.99	-29.01	74	49.1	37.52	20.52	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5148.72	62.85	-11.15	74	54.04	31.9	10.03	33.12	100	304	P	H
		5149.76	52.61	-1.39	54	43.8	31.9	10.03	33.12	100	304	A	H
	*	5180	119.35	-	-	110.68	31.72	10.07	33.12	100	304	P	H
	*	5180	110.99	-	-	102.32	31.72	10.07	33.12	100	304	A	H
802.11ac													H
VHT20													H
CH 36		5149.76	55.46	-18.54	74	46.65	31.9	10.03	33.12	100	298	P	V
5180MHz		5150	47.4	-6.6	54	38.59	31.9	10.03	33.12	100	298	A	V
	*	5180	115.17	-	-	106.5	31.72	10.07	33.12	100	298	P	V
	*	5180	107.86	-	-	99.19	31.72	10.07	33.12	100	298	A	V
													V
													V
		5144.82	52.88	-21.12	74	44.08	31.89	10.03	33.12	100	305	P	H
		5148.98	45.48	-8.52	54	36.67	31.9	10.03	33.12	100	305	A	H
	*	5220	118.27	-	-	109.77	31.52	10.1	33.12	100	305	P	H
	*	5220	110.77	-	-	102.27	31.52	10.1	33.12	100	305	A	H
802.11ac		5379.55	52.44	-21.56	74	43.93	31.48	10.14	33.11	100	305	P	H
VHT20		5376.04	43.54	-10.46	54	35.05	31.46	10.14	33.11	100	305	A	H
CH 44		5115.7	51.62	-22.38	74	42.91	31.83	10	33.12	100	296	P	V
5220MHz		5145.34	43.18	-10.82	54	34.38	31.89	10.03	33.12	100	296	A	V
	*	5220	114.42	-	-	105.92	31.52	10.1	33.12	100	296	P	V
	*	5220	106.91	-	-	98.41	31.52	10.1	33.12	100	296	A	V
		5362.81	49.83	-24.17	74	41.42	31.38	10.14	33.11	100	296	P	V
		5354.44	41.24	-12.76	54	32.88	31.33	10.14	33.11	100	296	A	V

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)
		5136.76	51.16	-22.84	74	42.39	31.87	10.02	33.12	100	302	P	H
		5145.34	43.72	-10.28	54	34.92	31.89	10.03	33.12	100	302	A	H
	*	5240	118.77	-	-	110.35	31.44	10.1	33.12	100	302	P	H
	*	5240	111.07	-	-	102.65	31.44	10.1	33.12	100	302	A	H
802.11ac		5362.27	52.4	-21.6	74	44	31.37	10.14	33.11	100	302	P	H
VHT20		5350.66	43.56	-10.44	54	35.23	31.3	10.14	33.11	100	302	A	H
CH 48		5072.8	51.35	-22.65	74	42.83	31.69	9.95	33.12	100	299	P	V
5240MHz		5145.86	42.37	-11.63	54	33.57	31.89	10.03	33.12	100	299	A	V
	*	5240	114.64	-	-	106.22	31.44	10.1	33.12	100	299	P	V
	*	5240	107.38	-	-	98.96	31.44	10.1	33.12	100	299	A	V
		5356.87	50.85	-23.15	74	42.48	31.34	10.14	33.11	100	299	P	V
		5452.72	41.57	-12.43	54	32.74	31.71	10.23	33.11	100	299	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac 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	51.93	-16.27	68.2	59.93	39.54	16.12	63.66	100	0	P	H
		15540	45.57	-28.43	74	49.15	38.3	20.56	62.44	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	54.19	-14.01	68.2	62.19	39.54	16.12	63.66	100	0	P	V
5180MHz		15540	45.92	-28.08	74	49.5	38.3	20.56	62.44	100	0	P	V
													V
													V
		10440	54.47	-13.73	68.2	62.46	39.7	16.17	63.86	100	0	P	H
		15660	45.71	-28.29	74	49.72	37.7	20.53	62.24	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	54.57	-13.63	68.2	62.56	39.7	16.17	63.86	100	0	P	V
5220MHz		15660	44.49	-29.51	74	48.5	37.7	20.53	62.24	100	0	P	V
													V
													V
		10480	53.48	-14.72	68.2	61.53	39.7	16.2	63.95	100	0	P	H
		15720	45.44	-28.56	74	49.55	37.52	20.52	62.15	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	52.53	-15.67	68.2	60.58	39.7	16.2	63.95	100	0	P	V
5240MHz		15720	45.25	-28.75	74	49.36	37.52	20.52	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5143.78	57.82	-16.18	74	49.02	31.89	10.03	33.12	100	306	P	H
		5147.94	51.44	-2.56	54	42.63	31.9	10.03	33.12	100	306	A	H
	*	5190	113.66	-	-	105.04	31.66	10.08	33.12	100	306	P	H
	*	5190	105.63	-	-	97.01	31.66	10.08	33.12	100	306	A	H
802.11ac		5354.16	50.26	-23.74	74	41.91	31.32	10.14	33.11	100	306	P	H
VHT40		5452.72	42.41	-11.59	54	33.58	31.71	10.23	33.11	100	306	A	H
CH 38		5148.98	54.1	-19.9	74	45.29	31.9	10.03	33.12	297	284	P	V
5190MHz		5150	47.33	-6.67	54	38.52	31.9	10.03	33.12	297	284	A	V
	*	5190	109.4	-	-	100.78	31.66	10.08	33.12	297	284	P	V
	*	5190	101.63	-	-	93.01	31.66	10.08	33.12	297	284	A	V
		5423.88	48.63	-25.37	74	39.9	31.65	10.19	33.11	297	284	P	V
		5444.32	40.59	-13.41	54	31.79	31.69	10.22	33.11	297	284	A	V
		5135.72	53.29	-20.71	74	44.52	31.87	10.02	33.12	100	311	P	H
		5149.5	46.91	-7.09	54	38.1	31.9	10.03	33.12	100	311	A	H
	*	5230	117.19	-	-	108.73	31.48	10.1	33.12	100	311	P	H
	*	5230	109.06	-	-	100.6	31.48	10.1	33.12	100	311	A	H
802.11ac		5363.12	53.11	-20.89	74	44.7	31.38	10.14	33.11	100	311	P	H
VHT40		5355.28	44.66	-9.34	54	36.3	31.33	10.14	33.11	100	311	A	H
CH 46		5147.68	54.76	-19.24	74	45.95	31.9	10.03	33.12	100	301	P	V
5230MHz		5149.24	45.08	-8.92	54	36.27	31.9	10.03	33.12	100	301	A	V
	*	5230	111.96	-	-	103.5	31.48	10.1	33.12	100	301	P	V
	*	5230	104.62	-	-	96.16	31.48	10.1	33.12	100	301	A	V
		5382.44	51.19	-22.81	74	42.67	31.49	10.14	33.11	100	301	P	V
		5355	42.06	-11.94	54	33.7	31.33	10.14	33.11	100	301	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac 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	52.4	-15.8	68.2	60.35	39.62	16.14	63.71	100	0	P	H
		15570	46.44	-27.56	74	50.13	38.15	20.55	62.39	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	52.5	-15.7	68.2	60.45	39.62	16.14	63.71	100	0	P	V
5190MHz		15570	47.25	-26.75	74	50.94	38.15	20.55	62.39	100	0	P	V
													V
													V
		10460	51.39	-16.81	68.2	59.4	39.7	16.19	63.9	100	0	P	H
		15690	44.92	-29.08	74	49.04	37.55	20.53	62.2	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	53.78	-14.42	68.2	61.79	39.7	16.19	63.9	100	0	P	V
5230MHz		15690	45.4	-28.6	74	49.52	37.55	20.53	62.2	100	0	P	V
													V
													V

Remark

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

Band 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)
		5148.58	58.28	-15.72	74	49.47	31.9	10.03	33.12	100	302	P	H
		5145.52	52.43	-1.57	54	43.63	31.89	10.03	33.12	100	302	A	H
	*	5210	108.7	-	-	100.17	31.56	10.09	33.12	100	302	P	H
	*	5210	101.19	-	-	92.66	31.56	10.09	33.12	100	302	A	H
802.11ac		5359.12	51.68	-22.32	74	43.3	31.35	10.14	33.11	100	302	P	H
VHT80		5452.72	44.22	-9.78	54	35.39	31.71	10.23	33.11	100	302	A	H
CH 42		5145.52	55.68	-18.32	74	46.88	31.89	10.03	33.12	315	280	P	V
5210MHz		5145.52	48.78	-5.22	54	39.98	31.89	10.03	33.12	315	280	A	V
	*	5210	103.71	-	-	95.18	31.56	10.09	33.12	315	280	P	V
	*	5210	96.04	-	-	87.51	31.56	10.09	33.12	315	280	A	V
		5443.36	49.25	-24.75	74	40.45	31.69	10.22	33.11	315	280	P	V
		5444.92	41.28	-12.72	54	32.48	31.69	10.22	33.11	315	280	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.02	-22.18	68.2	53.97	39.7	16.16	63.81	100	0	P	H
		15630	45.97	-28.03	74	49.87	37.85	20.54	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	45.68	-22.52	68.2	53.63	39.7	16.16	63.81	100	0	P	V
5210MHz		15630	45.83	-28.17	74	49.73	37.85	20.54	62.29	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5096.22	51.41	-22.59	74	42.77	31.78	9.98	33.12	100	302	P	H
		5145.52	42.85	-11.15	54	34.05	31.89	10.03	33.12	100	302	A	H
	*	5260	117.63	-	-	109.25	31.38	10.11	33.11	100	302	P	H
	*	5260	110.55	-	-	102.17	31.38	10.11	33.11	100	302	A	H
		5378.4	53.51	-20.49	74	45.01	31.47	10.14	33.11	100	302	P	H
		5350.08	44.49	-9.51	54	36.16	31.3	10.14	33.11	100	302	A	H
		5107.78	50.6	-23.4	74	41.91	31.82	9.99	33.12	100	295	P	V
		5105.4	41.64	-12.36	54	32.96	31.81	9.99	33.12	100	295	A	V
	*	5260	113.67	-	-	105.29	31.38	10.11	33.11	100	295	P	V
	*	5260	106.28	-	-	97.9	31.38	10.11	33.11	100	295	A	V
		5354.4	48.79	-25.21	74	40.43	31.33	10.14	33.11	100	295	P	V
		5351.28	41.59	-12.41	54	33.25	31.31	10.14	33.11	100	295	A	V
802.11a CH 60 5300MHz		5131.92	50.37	-23.63	74	41.61	31.86	10.02	33.12	106	303	P	H
		5145.86	42.2	-11.8	54	33.4	31.89	10.03	33.12	106	303	A	H
	*	5300	117.47	-	-	109.16	31.3	10.12	33.11	106	303	P	H
	*	5300	110.72	-	-	102.41	31.3	10.12	33.11	106	303	A	H
		5350.56	56.77	-17.23	74	48.44	31.3	10.14	33.11	106	303	P	H
		5353.44	48.55	-5.45	54	40.2	31.32	10.14	33.11	106	303	A	H
		5095.54	50.17	-23.83	74	41.53	31.78	9.98	33.12	112	296	P	V
		5145.18	41.56	-12.44	54	32.76	31.89	10.03	33.12	112	296	A	V
	*	5300	113.23	-	-	104.92	31.3	10.12	33.11	112	296	P	V
	*	5300	105.74	-	-	97.43	31.3	10.12	33.11	112	296	A	V
		5350.56	52.73	-21.27	74	44.4	31.3	10.14	33.11	112	296	P	V
		5350.08	44.19	-9.81	54	35.86	31.3	10.14	33.11	112	296	A	V

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 64 5320MHz	*	5320	117.67	-	-	109.35	31.3	10.13	33.11	100	305	P	H
	*	5320	110.32	-	-	102	31.3	10.13	33.11	100	305	A	H
		5351.68	61.38	-12.62	74	53.04	31.31	10.14	33.11	100	305	P	H
		5351.84	49.72	-4.28	54	41.38	31.31	10.14	33.11	100	305	A	H
													H
													H
	*	5320	112.62	-	-	104.3	31.3	10.13	33.11	100	300	P	V
	*	5320	105.48	-	-	97.16	31.3	10.13	33.11	100	300	A	V
		5350.24	54.28	-19.72	74	45.95	31.3	10.14	33.11	100	300	P	V
		5352.96	45.45	-8.55	54	37.1	31.32	10.14	33.11	100	300	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	47.73	-20.47	68.2	55.84	39.7	16.22	64.03	100	0	P	H
		15780	44.5	-29.5	74	48.46	37.58	20.51	62.05	100	0	P	H
													H
													H
		10520	51.03	-17.17	68.2	59.14	39.7	16.22	64.03	100	0	P	V
		15780	44.42	-29.58	74	48.38	37.58	20.51	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.37	-26.63	74	55.54	39.7	16.27	64.14	100	0	P	H
		15900	44.39	-29.61	74	48.57	37.2	20.48	61.86	100	0	P	H
													H
													H
		10600	48.5	-25.5	74	56.67	39.7	16.27	64.14	100	0	P	V
		15900	44.08	-29.92	74	48.26	37.2	20.48	61.86	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.49	-26.51	74	55.73	39.66	16.3	64.2	100	0	P	H
		15960	43.97	-30.03	74	48.24	37.02	20.47	61.76	100	0	P	H
													H
													H
		10640	48.13	-25.87	74	56.37	39.66	16.53	64.2	100	0	P	V
		15960	43.94	-30.06	74	48.21	37.02	20.88	61.76	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)
		5142.12	50.7	-23.3	74	41.91	31.88	10.03	33.12	100	303	P	H
		5145.18	42.41	-11.59	54	33.61	31.89	10.03	33.12	100	303	A	H
	*	5260	117.26	-	-	108.88	31.38	10.11	33.11	100	303	P	H
	*	5260	109.58	-	-	101.2	31.38	10.11	33.11	100	303	A	H
802.11ac		5365.92	52.95	-21.05	74	44.52	31.4	10.14	33.11	100	303	P	H
VHT20		5350.56	44.11	-9.89	54	35.78	31.3	10.14	33.11	100	303	A	H
CH 52		5126.14	51.27	-22.73	74	42.53	31.85	10.01	33.12	100	300	P	V
5260MHz		5145.18	41.52	-12.48	54	32.72	31.89	10.03	33.12	100	300	A	V
	*	5260	113.44	-	-	105.06	31.38	10.11	33.11	100	300	P	V
	*	5260	105.94	-	-	97.56	31.38	10.11	33.11	100	300	A	V
		5376.24	49.36	-24.64	74	40.87	31.46	10.14	33.11	100	300	P	V
		5356.08	41.67	-12.33	54	33.3	31.34	10.14	33.11	100	300	A	V
		5094.86	51.77	-22.23	74	43.14	31.78	9.97	33.12	100	303	P	H
		5145.52	42.1	-11.9	54	33.3	31.89	10.03	33.12	100	303	A	H
	*	5300	117.47	-	-	109.16	31.3	10.12	33.11	100	303	P	H
	*	5300	110.07	-	-	101.76	31.3	10.12	33.11	100	303	A	H
802.11ac		5364	56.1	-17.9	74	47.69	31.38	10.14	33.11	100	303	P	H
VHT20		5351.04	47.82	-6.18	54	39.48	31.31	10.14	33.11	100	303	A	H
CH 60		5084.32	50.06	-23.94	74	41.48	31.74	9.96	33.12	100	300	P	V
5300MHz		5145.52	41.31	-12.69	54	32.51	31.89	10.03	33.12	100	300	A	V
	*	5300	111.87	-	-	103.56	31.3	10.12	33.11	100	300	P	V
	*	5300	104.39	-	-	96.08	31.3	10.12	33.11	100	300	A	V
		5352.96	53.7	-20.3	74	45.35	31.32	10.14	33.11	100	300	P	V
		5350.08	44.25	-9.75	54	35.92	31.3	10.14	33.11	100	300	A	V

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)
	*	5320	117.75	-	-	109.43	31.3	10.13	33.11	100	303	P	H
	*	5320	110.23	-	-	101.91	31.3	10.13	33.11	100	303	A	H
		5355.68	57.83	-16.17	74	49.47	31.33	10.14	33.11	100	303	P	H
		5352	48.91	-5.09	54	40.57	31.31	10.14	33.11	100	303	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	111.32	-	-	103	31.3	10.13	33.11	100	299	P	V
5320MHz	*	5320	103.83	-	-	95.51	31.3	10.13	33.11	100	299	A	V
		5358.88	54.15	-19.85	74	45.77	31.35	10.14	33.11	100	299	P	V
		5350.72	45.23	-8.77	54	36.9	31.3	10.14	33.11	100	299	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+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	53.13	-15.07	68.2	61.24	39.7	16.22	64.03	100	0	P	H
		15780	44.32	-29.68	74	48.28	37.58	20.51	62.05	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	51.69	-16.51	68.2	59.8	39.7	16.22	64.03	100	0	P	V
5260MHz		15780	45.85	-28.15	74	49.81	37.58	20.51	62.05	100	0	P	V
													V
													V
		10600	48.76	-25.24	74	56.93	39.7	16.27	64.14	100	0	P	H
		15900	43.92	-30.08	74	48.1	37.2	20.48	61.86	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	49.53	-24.47	74	57.7	39.7	16.27	64.14	100	0	P	V
5300MHz		15900	43.98	-30.02	74	48.16	37.2	20.48	61.86	100	0	P	V
													V
													V
		10640	47.01	-26.99	74	55.25	39.66	16.3	64.2	100	0	P	H
		15960	44.54	-29.46	74	48.81	37.02	20.47	61.76	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	47.55	-26.45	74	55.79	39.66	16.3	64.2	100	0	P	V
5320MHz		15960	44.14	-29.86	74	48.41	37.02	20.47	61.76	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 VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5134.3	51.84	-22.16	74	43.07	31.87	10.02	33.12	100	305	P	H
		5145.86	42.92	-11.08	54	34.12	31.89	10.03	33.12	100	305	A	H
	*	5270	115.85	-	-	107.49	31.36	10.11	33.11	100	305	P	H
	*	5270	107.78	-	-	99.42	31.36	10.11	33.11	100	305	A	H
802.11ac		5350.32	56.12	-17.88	74	47.79	31.3	10.14	33.11	100	305	P	H
VHT40		5352.72	47.43	-6.57	54	39.08	31.32	10.14	33.11	100	305	A	H
CH 54		5051.68	50.46	-23.54	74	42.04	31.61	9.93	33.12	100	300	P	V
5270MHz		5117.3	42.3	-11.7	54	33.59	31.83	10	33.12	100	300	A	V
	*	5270	111.11	-	-	102.75	31.36	10.11	33.11	100	300	P	V
	*	5270	103.62	-	-	95.26	31.36	10.11	33.11	100	300	A	V
		5350.08	50.45	-23.55	74	42.12	31.3	10.14	33.11	100	300	P	V
		5350.32	43.56	-10.44	54	35.23	31.3	10.14	33.11	100	300	A	V
		5120.7	52.13	-21.87	74	43.41	31.84	10	33.12	100	303	P	H
		5145.86	42.82	-11.18	54	34.02	31.89	10.03	33.12	100	303	A	H
	*	5310	112.57	-	-	104.26	31.3	10.12	33.11	100	303	P	H
	*	5310	105.04	-	-	96.73	31.3	10.12	33.11	100	303	A	H
802.11ac		5350.08	58.67	-15.33	74	50.34	31.3	10.14	33.11	100	303	P	H
VHT40		5350.08	51.84	-2.16	54	43.51	31.3	10.14	33.11	100	303	A	H
CH 62		5024.48	51.31	-22.69	74	43.03	31.5	9.9	33.12	299	277	P	V
5310MHz		5149.6	42.52	-11.48	54	33.71	31.9	10.03	33.12	299	277	A	V
	*	5310	107.74	-	-	99.43	31.3	10.12	33.11	299	277	P	V
	*	5310	100.13	-	-	91.82	31.3	10.12	33.11	299	277	A	V
		5351.04	52.27	-21.73	74	43.93	31.31	10.14	33.11	299	277	P	V
		5350.08	45.77	-8.23	54	37.44	31.3	10.14	33.11	299	277	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac 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	49.45	-18.75	68.2	57.58	39.7	16.23	64.06	100	0	P	H
		15810	45.6	-28.4	74	49.54	37.56	20.5	62	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	51.37	-16.83	68.2	59.5	39.7	16.23	64.06	100	0	P	V
5270MHz		15810	44.68	-29.32	74	48.62	37.56	20.5	62	100	0	P	V
													V
													V
		10620	45.19	-28.81	74	53.4	39.68	16.28	64.17	100	0	P	H
		15930	43.51	-30.49	74	47.74	37.11	20.47	61.81	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	44.68	-29.32	74	52.89	39.68	16.28	64.17	100	0	P	V
5310MHz		15930	43.74	-30.26	74	47.97	37.11	20.47	61.81	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)
		5112.8	50.16	-23.84	74	41.46	31.83	9.99	33.12	100	305	P	H
		5145.5	43.28	-10.72	54	34.48	31.89	10.03	33.12	100	305	A	H
	*	5290	106.71	-	-	98.38	31.32	10.12	33.11	100	305	P	H
	*	5290	98.87	-	-	90.54	31.32	10.12	33.11	100	305	A	H
802.11ac		5364.48	60.18	-13.82	74	51.76	31.39	10.14	33.11	100	305	P	H
VHT80		5350.08	52.53	-1.47	54	44.2	31.3	10.14	33.11	100	305	A	H
CH 58		5060.9	50.61	-23.39	74	42.15	31.64	9.94	33.12	100	298	P	V
5290MHz		5145.5	42.68	-11.32	54	33.88	31.89	10.03	33.12	100	298	A	V
	*	5290	101.5	-	-	93.17	31.32	10.12	33.11	100	298	P	V
	*	5290	94.19	-	-	85.86	31.32	10.12	33.11	100	298	A	V
		5356.8	56.33	-17.67	74	47.96	31.34	10.14	33.11	100	298	P	V
		5355.6	48.11	-5.89	54	39.75	31.33	10.14	33.11	100	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+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	48.45	-19.75	68.2	56.6	39.7	16.26	64.11	100	0	P	H
		15870	46.37	-27.63	74	50.47	37.32	20.49	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.72	-21.48	68.2	54.87	39.7	16.26	64.11	100	0	P	V
5290MHz		15870	46.64	-27.36	74	50.74	37.32	20.49	61.91	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		5459.76	56.64	-17.36	74	47.77	31.74	10.24	33.11	102	317	P	H
		5468.56	58.19	-10.01	68.2	49.27	31.77	10.26	33.11	102	317	P	H
		5459.28	47.76	-6.24	54	38.89	31.74	10.24	33.11	102	317	A	H
	*	5500	118.4	-	-	109.3	31.9	10.31	33.11	102	317	P	H
	*	5500	110.65	-	-	101.55	31.9	10.31	33.11	102	317	A	H
													H
		5443.6	53.28	-20.72	74	44.48	31.69	10.22	33.11	106	261	P	V
		5466.64	54.27	-13.93	68.2	45.36	31.77	10.25	33.11	106	261	P	V
		5452.72	44.02	-9.98	54	35.19	31.71	10.23	33.11	106	261	A	V
	*	5500	113.6	-	-	104.5	31.9	10.31	33.11	106	261	P	V
	*	5500	105.6	-	-	96.5	31.9	10.31	33.11	106	261	A	V
													V
802.11a CH 116 5580MHz		5446.24	51.21	-22.79	74	42.41	31.69	10.22	33.11	109	314	P	H
		5470	52.34	-15.86	68.2	43.41	31.78	10.26	33.11	109	314	P	H
		5452.96	43.73	-10.27	54	34.9	31.71	10.23	33.11	109	314	A	H
	*	5580	118.49	-	-	109.4	31.8	10.43	33.14	109	314	P	H
	*	5580	111.04	-	-	101.95	31.8	10.43	33.14	109	314	A	H
		5737.28	53.22	-14.98	68.2	43.8	32.07	10.54	33.19	109	314	P	H
		5454.16	49.77	-24.23	74	40.93	31.72	10.23	33.11	100	249	P	V
		5462.8	49.46	-18.74	68.2	40.57	31.75	10.25	33.11	100	249	P	V
		5452.96	41.16	-12.84	54	32.33	31.71	10.23	33.11	100	249	A	V
	*	5580	113.28	-	-	104.19	31.8	10.43	33.14	100	249	P	V
	*	5580	105.95	-	-	96.86	31.8	10.43	33.14	100	249	A	V
		5739.8	50.2	-18	68.2	40.77	32.08	10.54	33.19	100	249	P	V

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 140 5700MHz	*	5700	117.03	-	-	107.69	32	10.51	33.17	100	317	P	H
	*	5700	109.96	-	-	100.62	32	10.51	33.17	100	317	A	H
		5725	60.12	-8.08	68.2	50.72	32.05	10.53	33.18	100	317	P	H
													H
													H
													H
	*	5700	112.56	-	-	103.22	32	10.51	33.17	100	241	P	V
	*	5700	105.19	-	-	95.85	32	10.51	33.17	100	241	A	V
		5733.72	59.11	-9.09	68.2	49.69	32.07	10.53	33.18	100	241	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	46.75	-27.25	74	54.94	40	16.51	64.7	100	0	P	H
		16500	47.33	-20.87	68.2	48.38	38.7	21.15	60.9	100	0	P	H
													H
													H
		11000	46.44	-27.56	74	54.63	40	16.51	64.7	100	0	P	V
		16500	47.05	-21.15	68.2	48.1	38.7	21.15	60.9	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	47.31	-26.69	74	55.69	39.48	16.74	64.6	100	0	P	H
		16740	47.59	-20.61	68.2	47.55	39.56	21.48	61	100	0	P	H
													H
													H
		11160	47.69	-26.31	74	56.07	39.48	16.74	64.6	100	0	P	V
		16740	48.49	-19.71	68.2	48.45	39.56	21.48	61	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	48	-26	74	55.67	39.7	17.09	64.46	100	0	P	H
		17100	48.94	-19.26	68.2	47.88	40.1	21.94	60.98	100	0	P	H
													H
													H
		11400	47.48	-26.52	74	55.15	39.7	17.09	64.46	100	0	P	V
		17100	48.92	-19.28	68.2	47.86	40.1	21.94	60.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5457.68	59.15	-14.85	74	50.29	31.73	10.24	33.11	100	306	P	H
		5468.72	60.94	-7.26	68.2	52.02	31.77	10.26	33.11	100	306	P	H
		5459.76	50.87	-3.13	54	42	31.74	10.24	33.11	100	306	A	H
	*	5500	117.26	-	-	108.16	31.9	10.31	33.11	100	306	P	H
802.11ac	*	5500	110.12	-	-	101.02	31.9	10.31	33.11	100	306	A	H
VHT20													H
CH 100		5449.68	54.55	-19.45	74	45.73	31.7	10.23	33.11	100	256	P	V
5500MHz		5469.04	55.93	-12.27	68.2	47	31.78	10.26	33.11	100	256	P	V
		5452.56	46.3	-7.7	54	37.47	31.71	10.23	33.11	100	256	A	V
	*	5500	112.32	-	-	103.22	31.9	10.31	33.11	100	256	P	V
	*	5500	104.51	-	-	95.41	31.9	10.31	33.11	100	256	A	V
													V
		5451.28	50.51	-23.49	74	41.68	31.71	10.23	33.11	122	314	P	H
		5462.08	51.96	-16.24	68.2	43.07	31.75	10.25	33.11	122	314	P	H
		5452.72	43.12	-10.88	54	34.29	31.71	10.23	33.11	122	314	A	H
	*	5580	117.31	-	-	108.22	31.8	10.43	33.14	122	314	P	H
802.11ac	*	5580	109.53	-	-	100.44	31.8	10.43	33.14	122	314	A	H
VHT20		5732.87	51.9	-16.3	68.2	42.48	32.07	10.53	33.18	122	314	P	H
CH 116		5382.16	49.16	-24.84	74	40.64	31.49	10.14	33.11	100	250	P	V
5580MHz		5468.56	48.39	-19.81	68.2	39.47	31.77	10.26	33.11	100	250	P	V
		5452.48	41.47	-12.53	54	32.64	31.71	10.23	33.11	100	250	A	V
	*	5580	113.78	-	-	104.69	31.8	10.43	33.14	100	250	P	V
	*	5580	105.89	-	-	96.8	31.8	10.43	33.14	100	250	A	V
		5750.825	51.23	-16.97	68.2	41.78	32.1	10.54	33.19	100	250	P	V

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)
	*	5700	116.85	-	-	107.51	32	10.51	33.17	100	314	P	H
	*	5700	109.15	-	-	99.81	32	10.51	33.17	100	314	A	H
		5725.32	65.06	-3.14	68.2	55.66	32.05	10.53	33.18	100	314	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	112.93	-	-	103.59	32	10.51	33.17	100	242	P	V
5700MHz	*	5700	105.22	-	-	95.88	32	10.51	33.17	100	242	A	V
		5725	55.97	-12.23	68.2	46.57	32.05	10.53	33.18	100	242	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	47.47	-26.53	74	55.66	40	16.51	64.7	100	0	P	H
		16500	46.59	-21.61	68.2	47.64	38.7	21.15	60.9	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	47.52	-26.48	74	55.71	40	16.51	64.7	100	0	P	V
5500MHz		16500	46.13	-22.07	68.2	47.18	38.7	21.15	60.9	100	0	P	V
													V
													V
		11160	47.03	-26.97	74	55.41	39.48	16.74	64.6	100	0	P	H
		16740	48.41	-19.79	68.2	48.37	39.56	21.48	61	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	47.74	-26.26	74	56.12	39.48	16.74	64.6	100	0	P	V
5580MHz		16740	47.31	-20.89	68.2	47.27	39.56	21.48	61	100	0	P	V
													V
													V
		11400	46.15	-27.85	74	53.82	39.7	17.09	64.46	100	0	P	H
		17100	48.32	-19.88	68.2	47.26	40.1	21.94	60.98	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	46.81	-27.19	74	54.48	39.7	17.09	64.46	100	0	P	V
5700MHz		17100	49.23	-18.97	68.2	48.17	40.1	21.94	60.98	100	0	P	V
													V
													V

Remark

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

Band 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)
		5454.16	60.97	-13.03	74	52.13	31.72	10.23	33.11	104	306	P	H
		5470	61.43	-6.77	68.2	52.5	31.78	10.26	33.11	104	306	P	H
		5459.68	51.87	-2.13	54	43	31.74	10.24	33.11	104	306	A	H
	*	5510	115.24	-	-	106.15	31.88	10.32	33.11	104	306	P	H
802.11ac	*	5510	106.9	-	-	97.81	31.88	10.32	33.11	104	306	A	H
VHT40		5755.865	51.47	-16.73	68.2	42	32.11	10.55	33.19	104	306	P	H
CH 102		5451.04	56.04	-17.96	74	47.22	31.7	10.23	33.11	100	265	P	V
5510MHz		5469.52	59.34	-8.86	68.2	50.41	31.78	10.26	33.11	100	265	P	V
		5452	46.6	-7.4	54	37.77	31.71	10.23	33.11	100	265	A	V
	*	5510	110.22	-	-	101.13	31.88	10.32	33.11	100	265	P	V
	*	5510	102.64	-	-	93.55	31.88	10.32	33.11	100	265	A	V
		5747.675	50.82	-17.38	68.2	41.37	32.1	10.54	33.19	100	265	P	V
		5458.72	56.14	-17.86	74	47.28	31.73	10.24	33.11	100	307	P	H
		5465.68	57.02	-11.18	68.2	48.12	31.76	10.25	33.11	100	307	P	H
		5453.68	46.59	-7.41	54	37.76	31.71	10.23	33.11	100	307	A	H
	*	5550	116.66	-	-	107.61	31.8	10.38	33.13	100	307	P	H
802.11ac	*	5550	108.53	-	-	99.48	31.8	10.38	33.13	100	307	A	H
VHT40		5757.125	51.31	-16.89	68.2	41.84	32.11	10.55	33.19	100	307	P	H
CH 110		5458.48	51.61	-22.39	74	42.75	31.73	10.24	33.11	100	248	P	V
5550MHz		5460.88	51.61	-16.59	68.2	42.74	31.74	10.24	33.11	100	248	P	V
		5458.72	43.18	-10.82	54	34.32	31.73	10.24	33.11	100	248	A	V
	*	5550	110.64	-	-	101.59	31.8	10.38	33.13	100	248	P	V
	*	5550	102.53	-	-	93.48	31.8	10.38	33.13	100	248	A	V
		5761.22	51.11	-17.09	68.2	41.63	32.12	10.55	33.19	100	248	P	V

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)
		5453.95	50.23	-23.77	74	41.39	31.72	10.23	33.11	100	313	P	H
		5470	50.59	-17.61	68.2	41.66	31.78	10.26	33.11	100	313	P	H
		5452.55	42.32	-11.68	54	33.49	31.71	10.23	33.11	100	313	A	H
	*	5670	116.3	-	-	107.14	31.82	10.5	33.16	100	313	P	H
802.11ac	*	5670	108.05	-	-	98.89	31.82	10.5	33.16	100	313	A	H
VHT40		5726.325	62.28	-5.92	68.2	52.88	32.05	10.53	33.18	100	313	P	H
CH 134		5436.1	50.36	-23.64	74	41.59	31.67	10.21	33.11	100	245	P	V
5670MHz		5466.55	50.45	-17.75	68.2	41.54	31.77	10.25	33.11	100	245	P	V
		5452.9	41.03	-12.97	54	32.2	31.71	10.23	33.11	100	245	A	V
	*	5670	110.77	-	-	101.61	31.82	10.5	33.16	100	245	P	V
	*	5670	103.36	-	-	94.2	31.82	10.5	33.16	100	245	A	V
		5725.45	57.57	-10.63	68.2	48.17	32.05	10.53	33.18	100	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.43	-26.57	74	55.66	39.92	16.54	64.69	100	0	P	H
		16530	46.7	-21.5	68.2	47.66	38.76	21.19	60.91	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	48.17	-25.83	74	56.4	39.92	16.54	64.69	100	0	P	V
5510MHz		16530	47.17	-21.03	68.2	48.13	38.76	21.19	60.91	100	0	P	V
													V
													V
		11100	46.33	-27.67	74	54.71	39.6	16.66	64.64	100	0	P	H
		16650	47.63	-20.57	68.2	48.18	39.05	21.36	60.96	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	46.06	-27.94	74	54.44	39.6	16.66	64.64	100	0	P	V
5550MHz		16650	47.36	-20.84	68.2	47.91	39.05	21.36	60.96	100	0	P	V
													V
													V
		11340	47.1	-26.9	74	55.01	39.58	17.01	64.5	100	0	P	H
		17010	48.01	-20.19	68.2	47.24	40.01	21.85	61.09	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	47.01	-26.99	74	54.92	39.58	17.01	64.5	100	0	P	V
5670MHz		17010	48.17	-20.03	68.2	47.4	40.01	21.85	61.09	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.52	61.3	-12.7	74	52.44	31.73	10.24	33.11	100	302	P	H
		5460.64	58.32	-9.88	68.2	49.45	31.74	10.24	33.11	100	302	P	H
		5458.72	52.53	-1.47	54	43.67	31.73	10.24	33.11	100	302	A	H
	*	5530	108.7	-	-	99.63	31.84	10.35	33.12	100	302	P	H
802.11ac	*	5530	100.6	-	-	91.53	31.84	10.35	33.12	100	302	A	H
VHT80		5753.345	50.82	-17.38	68.2	41.36	32.11	10.54	33.19	100	302	P	H
CH 106		5453.2	54.03	-19.97	74	45.2	31.71	10.23	33.11	113	252	P	V
5530MHz		5467.12	55.81	-12.39	68.2	46.9	31.77	10.25	33.11	113	252	P	V
		5452.24	45.7	-8.3	54	36.87	31.71	10.23	33.11	113	252	A	V
	*	5530	103.53	-	-	94.46	31.84	10.35	33.12	113	252	P	V
	*	5530	95.42	-	-	86.35	31.84	10.35	33.12	113	252	A	V
		5744.84	49.93	-18.27	68.2	40.49	32.09	10.54	33.19	113	252	P	V
		5458.15	54.88	-19.12	74	46.02	31.73	10.24	33.11	100	304	P	H
		5460	54.27	-13.93	68.2	45.4	31.74	10.24	33.11	100	304	P	H
		5459.55	46.54	-7.46	54	37.67	31.74	10.24	33.11	100	304	A	H
	*	5610	113.08	-	-	103.98	31.78	10.47	33.15	100	304	P	H
802.11ac	*	5610	105.33	-	-	96.23	31.78	10.47	33.15	100	304	A	H
VHT80		5736.825	58.97	-9.23	68.2	49.55	32.07	10.54	33.19	100	304	P	H
CH 122		5451.85	51.04	-22.96	74	42.21	31.71	10.23	33.11	100	247	P	V
5610MHz		5467.25	50.84	-17.36	68.2	41.93	31.77	10.25	33.11	100	247	P	V
		5452.9	42.91	-11.09	54	34.08	31.71	10.23	33.11	100	247	A	V
	*	5610	108.07	-	-	98.97	31.78	10.47	33.15	100	247	P	V
	*	5610	99.76	-	-	90.66	31.78	10.47	33.15	100	247	A	V
		5729.475	54.27	-13.93	68.2	44.86	32.06	10.53	33.18	100	247	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	48.08	-25.92	74	56.38	39.76	16.6	64.66	100	0	P	H
		16590	48.56	-19.64	68.2	49.34	38.88	21.28	60.94	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	49.22	-24.78	74	57.52	39.76	16.6	64.66	100	0	P	V
5530MHz		16590	48.49	-19.71	68.2	49.27	38.88	21.28	60.94	100	0	P	V
													V
													V
		11220	48.45	-25.55	74	56.77	39.42	16.83	64.57	100	0	P	H
		16830	48.91	-19.29	68.2	48.29	40.04	21.61	61.03	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	48.22	-25.78	74	56.54	39.42	16.83	64.57	100	0	P	V
5610MHz		16830	48.62	-19.58	68.2	48	40.04	21.61	61.03	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. 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		5432.29	49.61	-24.39	74	40.86	31.66	10.2	33.11	100	316	P	H
		5463.49	49.39	-18.81	68.2	40.5	31.75	10.25	33.11	100	316	P	H
		5452.57	41.73	-12.27	54	32.9	31.71	10.23	33.11	100	316	A	H
	*	5720	117.08	-	-	107.69	32.04	10.53	33.18	100	316	P	H
	*	5720	109.73	-	-	100.34	32.04	10.53	33.18	100	316	A	H
		5855.5	52.24	-15.96	68.2	42.55	32.32	10.59	33.22	100	316	P	H
		5447.11	50.31	-23.69	74	41.51	31.69	10.22	33.11	100	241	P	V
		5469.34	49.34	-18.86	68.2	40.41	31.78	10.26	33.11	100	241	P	V
		5452.96	40.26	-13.74	54	31.43	31.71	10.23	33.11	100	241	A	V
	*	5720	111.41	-	-	102.02	32.04	10.53	33.18	100	241	P	V
	*	5720	104.36	-	-	94.97	32.04	10.53	33.18	100	241	A	V
		5947	50.27	-17.93	68.2	40.3	32.59	10.63	33.25	100	241	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	46.67	-27.33	74	54.26	39.7	17.15	64.44	100	0	P	H
		17160	47.72	-20.48	68.2	46.36	40.28	21.99	60.91	100	0	P	H
													H
													H
		11440	47.05	-26.95	74	54.64	39.7	17.15	64.44	100	0	P	V
		17160	47.33	-20.87	68.2	45.97	40.28	21.99	60.91	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)
		5428.78	51.15	-22.85	74	42.41	31.66	10.19	33.11	100	314	P	H
		5466.22	49.26	-18.94	68.2	40.36	31.76	10.25	33.11	100	314	P	H
		5452.96	41.65	-12.35	54	32.82	31.71	10.23	33.11	100	314	A	H
	*	5720	116.55	-	-	107.16	32.04	10.53	33.18	100	314	P	H
802.11ac	*	5720	108.75	-	-	99.36	32.04	10.53	33.18	100	314	A	H
VHT20		5859.75	52.41	-15.79	68.2	42.71	32.34	10.59	33.23	100	314	P	H
CH 144		5439.7	48.4	-25.6	74	39.62	31.68	10.21	33.11	100	242	P	V
5720MHz		5465.05	49.34	-18.86	68.2	40.44	31.76	10.25	33.11	100	242	P	V
		5452.57	40.42	-13.58	54	31.59	31.71	10.23	33.11	100	242	A	V
	*	5720	112.31	-	-	102.92	32.04	10.53	33.18	100	242	P	V
	*	5720	104.61	-	-	95.22	32.04	10.53	33.18	100	242	A	V
		5859	51.07	-17.13	68.2	41.36	32.34	10.59	33.22	100	242	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	46.58	-27.42	74	54.17	39.7	17.15	64.44	100	0	P	H
		17160	48.05	-20.15	68.2	46.69	40.28	21.99	60.91	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	47.07	-26.93	74	54.66	39.7	17.15	64.44	100	0	P	V
5720MHz		17160	47.28	-20.92	68.2	45.92	40.28	21.99	60.91	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)
		5405.77	49.13	-24.87	74	40.47	31.61	10.16	33.11	100	309	P	H
		5460.76	48.86	-19.34	68.2	39.99	31.74	10.24	33.11	100	309	P	H
		5452.57	42.92	-11.08	54	34.09	31.71	10.23	33.11	100	309	A	H
	*	5710	116.56	-	-	107.2	32.02	10.52	33.18	100	309	P	H
802.11ac	*	5710	108.06	-	-	98.7	32.02	10.52	33.18	100	309	A	H
VHT40		5854.5	52.19	-16.01	68.2	42.5	32.32	10.59	33.22	100	309	P	H
CH 142		5383.93	49.55	-24.45	74	41.01	31.5	10.15	33.11	100	240	P	V
5710MHz		5461.54	49.55	-18.65	68.2	40.66	31.75	10.25	33.11	100	240	P	V
		5452.57	41.65	-12.35	54	32.82	31.71	10.23	33.11	100	240	A	V
	*	5710	110.96	-	-	101.6	32.02	10.52	33.18	100	240	P	V
	*	5710	102.96	-	-	93.6	32.02	10.52	33.18	100	240	A	V
		5942	51	-17.2	68.2	41.04	32.58	10.63	33.25	100	240	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	46.95	-27.05	74	54.58	39.7	17.12	64.45	100	0	P	H
		17130	48.28	-19.92	68.2	47.07	40.19	21.96	60.94	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	46.41	-27.59	74	54.04	39.7	17.12	64.45	100	0	P	V
5710MHz		17130	48.5	-19.7	68.2	47.29	40.19	21.96	60.94	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5459.59	48.88	-25.12	74	40.01	31.74	10.24	33.11	100	318	P	H
		5462.32	47.9	-20.3	68.2	39.01	31.75	10.25	33.11	100	318	P	H
		5452.96	42.39	-11.61	54	33.56	31.71	10.23	33.11	100	318	A	H
	*	5690	112.58	-	-	103.3	31.94	10.51	33.17	100	318	P	H
802.11ac	*	5690	104.58	-	-	95.3	31.94	10.51	33.17	100	318	A	H
VHT80		5875.9	54.23	-13.97	68.2	44.46	32.4	10.6	33.23	100	318	P	H
CH 138		5397.97	48.84	-25.16	74	40.21	31.59	10.15	33.11	100	240	P	V
5690MHz		5463.1	49.67	-18.53	68.2	40.78	31.75	10.25	33.11	100	240	P	V
		5452.57	41.58	-12.42	54	32.75	31.71	10.23	33.11	100	240	A	V
	*	5690	107.58	-	-	98.3	31.94	10.51	33.17	100	240	P	V
	*	5690	99.18	-	-	89.9	31.94	10.51	33.17	100	240	A	V
		5884	51.02	-17.18	68.2	41.21	32.44	10.6	33.23	100	240	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	46.53	-27.47	74	54.28	39.66	17.06	64.47	100	0	P	H
		17070	48.61	-19.59	68.2	47.65	40.07	21.91	61.02	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	46.82	-27.18	74	54.57	39.66	17.06	64.47	100	0	P	V
5690MHz		17070	48.34	-19.86	68.2	47.38	40.07	21.91	61.02	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT20 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 LF		41.64	21.21	-18.79	40	34.5	18.23	0.85	32.37	-	-	P	H
		105.66	22.77	-20.73	43.5	37.22	16.49	1.38	32.32	-	-	P	H
		118.27	22.83	-20.67	43.5	36.5	17.19	1.45	32.31	-	-	P	H
		734.22	34.61	-11.39	46	35.31	27.58	3.76	32.04	100	0	P	H
		884.57	33.69	-12.31	46	31.88	29.09	4.15	31.43	-	-	P	H
		959.26	34.51	-11.49	46	30	30.97	4.34	30.8	-	-	P	H
													H
													H
													H
													H
													H
													H
		41.64	33.98	-6.02	40	47.27	18.23	0.85	32.37	100	64	QP	V
		111.48	25.65	-17.85	43.5	39.74	16.82	1.4	32.31	-	-	P	V
		151.25	25.66	-17.84	43.5	39.46	16.81	1.67	32.28	-	-	P	V
		768.17	31.71	-14.29	46	31.95	27.87	3.85	31.96	-	-	P	V
		864.2	33.25	-12.75	46	31.4	29.29	4.1	31.54	-	-	P	V
		956.35	34.76	-11.24	46	30.41	30.85	4.33	30.83	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<TXBF Mode>

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5140.66	60.44	-13.56	74	51.66	31.88	10.02	33.12	252	318	P	H
		5150	49.2	-4.8	54	40.39	31.9	10.03	33.12	252	318	A	H
	*	5180	119.4	-	-	110.73	31.72	10.07	33.12	252	318	P	H
	*	5180	110.03	-	-	101.36	31.72	10.07	33.12	252	318	A	H
802.11ac													H
VHT20													H
CH 36		5149.5	53.77	-20.23	74	44.96	31.9	10.03	33.12	395	270	P	V
5180MHz		5150	45.17	-8.83	54	36.36	31.9	10.03	33.12	395	270	A	V
	*	5180	115.78	-	-	107.11	31.72	10.07	33.12	395	270	P	V
	*	5180	106.38	-	-	97.71	31.72	10.07	33.12	395	270	A	V
													V
													V
		5144.3	52.29	-21.71	74	43.49	31.89	10.03	33.12	253	315	P	H
		5150	44.56	-9.44	54	35.75	31.9	10.03	33.12	253	315	A	H
	*	5220	118.91	-	-	110.41	31.52	10.1	33.12	253	315	P	H
	*	5220	109.65	-	-	101.15	31.52	10.1	33.12	253	315	A	H
802.11ac		5391.6	51.6	-22.4	74	43.01	31.55	10.15	33.11	253	315	P	H
VHT20		5375.76	43.11	-10.89	54	34.63	31.45	10.14	33.11	253	315	A	H
CH 44		5145.86	50.43	-23.57	74	41.63	31.89	10.03	33.12	390	273	P	V
5220MHz		5150	41.23	-12.77	54	32.42	31.9	10.03	33.12	390	273	A	V
	*	5220	114.26	-	-	105.76	31.52	10.1	33.12	390	273	P	V
	*	5220	104.85	-	-	96.35	31.52	10.1	33.12	390	273	A	V
		5367.84	50.03	-23.97	74	41.59	31.41	10.14	33.11	390	273	P	V
		5452.8	41	-13	54	32.17	31.71	10.23	33.11	390	273	A	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5121.42	50.99	-23.01	74	42.27	31.84	10	33.12	248	317	P	H
		5149.76	42.62	-11.38	54	33.81	31.9	10.03	33.12	248	317	A	H
	*	5240	118.92	-	-	110.5	31.44	10.1	33.12	248	317	P	H
	*	5240	109.56	-	-	101.14	31.44	10.1	33.12	248	317	A	H
802.11ac		5364.48	53.07	-20.93	74	44.65	31.39	10.14	33.11	248	317	P	H
VHT20		5394.48	42.53	-11.47	54	33.92	31.57	10.15	33.11	248	317	A	H
CH 48		5148.46	50.3	-23.7	74	41.49	31.9	10.03	33.12	383	283	P	V
5240MHz		5145.34	41.19	-12.81	54	32.39	31.89	10.03	33.12	383	283	A	V
	*	5240	115.27	-	-	106.85	31.44	10.1	33.12	383	283	P	V
	*	5240	105.94	-	-	97.52	31.44	10.1	33.12	383	283	A	V
		5398.08	50.87	-23.13	74	42.24	31.59	10.15	33.11	383	283	P	V
		5394.72	40.91	-13.09	54	32.3	31.57	10.15	33.11	383	283	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	47.03	-21.17	68.2	48.32	39.54	16.12	56.95	100	0	P	H
		15540	45.08	-28.92	74	42.88	38.3	20.56	56.66	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	46.23	-21.97	68.2	47.52	39.54	16.12	56.95	100	0	P	V
5180MHz		15540	47.08	-26.92	74	44.88	38.3	20.56	56.66	100	0	P	V
													V
													V
		10440	47.21	-20.99	68.2	48.27	39.7	16.17	56.93	100	0	P	H
		15660	45.32	-28.68	74	43.6	37.7	20.53	56.51	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	46.16	-22.04	68.2	47.22	39.7	16.17	56.93	100	0	P	V
5220MHz		15660	44.8	-29.2	74	43.08	37.7	20.53	56.51	100	0	P	V
													V
													V
		10480	46.35	-21.85	68.2	47.36	39.7	16.2	56.91	100	0	P	H
		15720	45.45	-28.55	74	43.84	37.52	20.52	56.43	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	44.91	-23.29	68.2	45.92	39.7	16.2	56.91	100	0	P	V
5240MHz		15720	44.81	-29.19	74	43.2	37.52	20.52	56.43	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5148.98	58.26	-15.74	74	49.45	31.9	10.03	33.12	250	316	P	H
		5150	51.72	-2.28	54	42.91	31.9	10.03	33.12	250	316	A	H
	*	5190	114.73	-	-	106.11	31.66	10.08	33.12	250	316	P	H
	*	5190	104.95	-	-	96.33	31.66	10.08	33.12	250	316	A	H
802.11ac		5353.6	51.47	-22.53	74	43.12	31.32	10.14	33.11	250	316	P	H
VHT40		5376	41.61	-12.39	54	33.12	31.46	10.14	33.11	250	316	A	H
CH 38		5147.16	56.15	-17.85	74	47.35	31.89	10.03	33.12	100	297	P	V
5190MHz		5149.76	48.87	-5.13	54	40.06	31.9	10.03	33.12	100	297	A	V
	*	5190	110.23	-	-	101.61	31.66	10.08	33.12	100	297	P	V
	*	5190	101.63	-	-	93.01	31.66	10.08	33.12	100	297	A	V
		5401.2	48.71	-25.29	74	40.07	31.6	10.15	33.11	100	297	P	V
		5453	39.71	-14.29	54	30.88	31.71	10.23	33.11	100	297	A	V
		5146.38	54.24	-19.76	74	45.44	31.89	10.03	33.12	256	315	P	H
		5150	46.35	-7.65	54	37.54	31.9	10.03	33.12	256	315	A	H
	*	5230	114.8	-	-	106.34	31.48	10.1	33.12	256	315	P	H
	*	5230	106.81	-	-	98.35	31.48	10.1	33.12	256	315	A	H
802.11ac		5361.12	53.82	-20.18	74	45.42	31.37	10.14	33.11	256	315	P	H
VHT40		5350.32	43.68	-10.32	54	35.35	31.3	10.14	33.11	256	315	A	H
CH 46		5145.08	51.83	-22.17	74	43.03	31.89	10.03	33.12	100	299	P	V
5230MHz		5145.6	43.76	-10.24	54	34.96	31.89	10.03	33.12	100	299	A	V
	*	5230	111.59	-	-	103.13	31.48	10.1	33.12	100	299	P	V
	*	5230	103.32	-	-	94.86	31.48	10.1	33.12	100	299	A	V
		5352.24	50.66	-23.34	74	42.32	31.31	10.14	33.11	100	299	P	V
		5350.08	40.58	-13.42	54	32.25	31.3	10.14	33.11	100	299	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	45.96	-22.24	68.2	47.15	39.62	16.14	56.95	100	0	P	H
		15570	45.58	-28.42	74	43.5	38.15	20.55	56.62	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	46.39	-21.81	68.2	47.58	39.62	16.14	56.95	100	0	P	V
5190MHz		15570	45.49	-28.51	74	43.41	38.15	20.55	56.62	100	0	P	V
													V
													V
		10460	44.75	-23.45	68.2	45.78	39.7	16.19	56.92	100	0	P	H
		15690	44.71	-29.29	74	43.1	37.55	20.53	56.47	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	45.29	-22.91	68.2	46.32	39.7	16.19	56.92	100	0	P	V
5230MHz		15690	45.88	-28.12	74	44.27	37.55	20.53	56.47	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.86	59.32	-14.68	74	50.52	31.89	10.03	33.12	251	330	P	H
		5147.22	51.9	-2.1	54	43.1	31.89	10.03	33.12	251	330	A	H
	*	5210	108.98	-	-	100.45	31.56	10.09	33.12	251	330	P	H
	*	5210	100.99	-	-	92.46	31.56	10.09	33.12	251	330	A	H
802.11ac		5394.96	51.65	-22.35	74	43.04	31.57	10.15	33.11	251	330	P	H
VHT80		5350.8	42.36	-11.64	54	34.03	31.3	10.14	33.11	251	330	A	H
CH 42		5139.06	52.95	-21.05	74	44.17	31.88	10.02	33.12	392	273	P	V
5210MHz		5149.94	45.25	-8.75	54	36.44	31.9	10.03	33.12	392	273	A	V
	*	5210	106.17	-	-	97.64	31.56	10.09	33.12	392	273	P	V
	*	5210	97.25	-	-	88.72	31.56	10.09	33.12	392	273	A	V
		5355.6	50.97	-23.03	74	42.61	31.33	10.14	33.11	392	273	P	V
		5350.56	40.81	-13.19	54	32.48	31.3	10.14	33.11	392	273	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	45.64	-22.56	68.2	46.71	39.7	16.16	56.93	100	0	P	H
		15630	45.64	-28.36	74	43.78	37.85	20.54	56.53	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	44.77	-23.43	68.2	45.84	39.7	16.16	56.93	100	0	P	V
5210MHz		15630	45.45	-28.55	74	43.59	37.85	20.54	56.53	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5140.76	51.41	-22.59	74	42.63	31.88	10.02	33.12	239	309	P	H
		5145.86	41.49	-12.51	54	32.69	31.89	10.03	33.12	239	309	A	H
	*	5260	117.15	-	-	108.77	31.38	10.11	33.11	239	309	P	H
	*	5260	107.65	-	-	99.27	31.38	10.11	33.11	239	309	A	H
802.11ac		5359.2	51.26	-22.74	74	42.87	31.36	10.14	33.11	239	309	P	H
VHT20		5350.08	42.64	-11.36	54	34.31	31.3	10.14	33.11	239	309	A	H
CH 52		5114.92	50.99	-23.01	74	42.28	31.83	10	33.12	385	286	P	V
5260MHz		5145.52	40.91	-13.09	54	32.11	31.89	10.03	33.12	385	286	A	V
	*	5260	114.88	-	-	106.5	31.38	10.11	33.11	385	286	P	V
	*	5260	105.36	-	-	96.98	31.38	10.11	33.11	385	286	A	V
		5376.24	49.79	-24.21	74	41.3	31.46	10.14	33.11	385	286	P	V
		5350.56	40.93	-13.07	54	32.6	31.3	10.14	33.11	385	286	A	V
		5131.58	49.77	-24.23	74	41.02	31.86	10.01	33.12	248	318	P	H
		5145.52	41.77	-12.23	54	32.97	31.89	10.03	33.12	248	318	A	H
	*	5300	117.73	-	-	109.42	31.3	10.12	33.11	248	318	P	H
	*	5300	108.62	-	-	100.31	31.3	10.12	33.11	248	318	A	H
802.11ac		5355.84	57.57	-16.43	74	49.2	31.34	10.14	33.11	248	318	P	H
VHT20		5350.32	48.12	-5.88	54	39.79	31.3	10.14	33.11	248	318	A	H
CH 60		5055.42	49.13	-24.87	74	40.7	31.62	9.93	33.12	356	265	P	V
5300MHz		5145.52	40.72	-13.28	54	31.92	31.89	10.03	33.12	356	265	A	V
	*	5300	115.44	-	-	107.13	31.3	10.12	33.11	356	265	P	V
	*	5300	105.07	-	-	96.76	31.3	10.12	33.11	356	265	A	V
		5370.96	52.66	-21.34	74	44.2	31.43	10.14	33.11	356	265	P	V
		5350.08	44.27	-9.73	54	35.94	31.3	10.14	33.11	356	265	A	V

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)
	*	5320	117.17	-	-	108.85	31.3	10.13	33.11	241	320	P	H
	*	5320	107.16	-	-	98.84	31.3	10.13	33.11	241	320	A	H
		5359.04	56.68	-17.32	74	48.3	31.35	10.14	33.11	241	320	P	H
		5350.08	48.31	-5.69	54	39.98	31.3	10.14	33.11	241	320	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	115.68	-	-	107.36	31.3	10.13	33.11	393	272	P	V
5320MHz	*	5320	105.68	-	-	97.36	31.3	10.13	33.11	393	272	A	V
		5350.88	53.21	-20.79	74	44.87	31.31	10.14	33.11	393	272	P	V
		5351.68	44.86	-9.14	54	36.52	31.31	10.14	33.11	393	272	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	45.53	-22.67	68.2	46.5	39.7	16.22	56.89	100	0	P	H
		15780	44.94	-29.06	74	43.22	37.58	20.51	56.37	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	46.19	-22.01	68.2	47.16	39.7	16.22	56.89	100	0	P	V
5260MHz		15780	44.8	-29.2	74	43.08	37.58	20.51	56.37	100	0	P	V
													V
													V
		10600	47.58	-26.42	74	48.43	39.7	16.27	56.82	100	0	P	H
		15900	44.12	-29.88	74	42.66	37.2	20.48	56.22	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	45.74	-28.26	74	46.59	39.7	16.27	56.82	100	0	P	V
5300MHz		15900	44.86	-29.14	74	43.4	37.2	20.48	56.22	100	0	P	V
													V
													V
		10640	45.53	-28.47	74	46.36	39.66	16.3	56.79	100	0	P	H
		15960	43.88	-30.12	74	42.53	37.02	20.47	56.14	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	45.42	-28.58	74	46.25	39.66	16.3	56.79	100	0	P	V
5320MHz		15960	44.02	-29.98	74	42.67	37.02	20.47	56.14	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)
		5137.02	50.58	-23.42	74	41.81	31.87	10.02	33.12	250	314	P	H
		5149.26	42.04	-11.96	54	33.23	31.9	10.03	33.12	250	314	A	H
	*	5270	115.94	-	-	107.58	31.36	10.11	33.11	250	314	P	H
	*	5270	106.42	-	-	98.06	31.36	10.11	33.11	250	314	A	H
802.11ac		5350.32	55.38	-18.62	74	47.05	31.3	10.14	33.11	250	314	P	H
VHT40		5350.08	46.89	-7.11	54	38.56	31.3	10.14	33.11	250	314	A	H
CH 54		5149.94	51.72	-22.28	74	42.91	31.9	10.03	33.12	100	292	P	V
5270MHz		5145.52	42.35	-11.65	54	33.55	31.89	10.03	33.12	100	292	A	V
	*	5270	110.87	-	-	102.51	31.36	10.11	33.11	100	292	P	V
	*	5270	102.64	-	-	94.28	31.36	10.11	33.11	100	292	A	V
		5351.52	53.25	-20.75	74	44.91	31.31	10.14	33.11	100	292	P	V
		5350.08	43.57	-10.43	54	35.24	31.3	10.14	33.11	100	292	A	V
		5048.62	49.35	-24.65	74	40.96	31.59	9.92	33.12	260	315	P	H
		5145.52	41.55	-12.45	54	32.75	31.89	10.03	33.12	260	315	A	H
	*	5310	112.46	-	-	104.15	31.3	10.12	33.11	260	315	P	H
	*	5310	103.61	-	-	95.3	31.3	10.12	33.11	260	315	A	H
802.11ac		5351.28	60.86	-13.14	74	52.52	31.31	10.14	33.11	260	315	P	H
VHT40		5350.08	52.24	-1.76	54	43.91	31.3	10.14	33.11	260	315	A	H
CH 62		5013.26	50.38	-23.62	74	42.17	31.45	9.88	33.12	100	293	P	V
5310MHz		5145.52	41.71	-12.29	54	32.91	31.89	10.03	33.12	100	293	A	V
	*	5310	107.79	-	-	99.48	31.3	10.12	33.11	100	293	P	V
	*	5310	99.41	-	-	91.1	31.3	10.12	33.11	100	293	A	V
		5356.08	54.53	-19.47	74	46.16	31.34	10.14	33.11	100	293	P	V
		5350.32	46.18	-7.82	54	37.85	31.3	10.14	33.11	100	293	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	44.98	-23.22	68.2	45.92	39.7	16.23	56.87	100	0	P	H
		15810	45.18	-28.82	74	43.45	37.56	20.5	56.33	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	44.82	-23.38	68.2	45.76	39.7	16.23	56.87	100	0	P	V
5270MHz		15810	44.97	-29.03	74	43.24	37.56	20.5	56.33	100	0	P	V
													V
													V
		10620	44.48	-29.52	74	45.32	39.68	16.28	56.8	100	0	P	H
		15930	43.48	-30.52	74	42.08	37.11	20.47	56.18	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	45.18	-28.82	74	46.02	39.68	16.28	56.8	100	0	P	V
5310MHz		15930	43.73	-30.27	74	42.33	37.11	20.47	56.18	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)
		5145.5	50.47	-23.53	74	41.67	31.89	10.03	33.12	256	318	P	H
		5145.8	41.83	-12.17	54	33.03	31.89	10.03	33.12	256	318	A	H
	*	5290	107.5	-	-	99.17	31.32	10.12	33.11	256	318	P	H
	*	5290	99.01	-	-	90.68	31.32	10.12	33.11	256	318	A	H
802.11ac		5358.48	60.97	-13.03	74	52.59	31.35	10.14	33.11	256	318	P	H
VHT80		5352.24	51.99	-2.01	54	43.65	31.31	10.14	33.11	256	318	A	H
CH 58		5129.3	49.67	-24.33	74	40.92	31.86	10.01	33.12	400	272	P	V
5290MHz		5149.4	40.63	-13.37	54	31.82	31.9	10.03	33.12	400	272	A	V
	*	5290	102.64	-	-	94.31	31.32	10.12	33.11	400	272	P	V
	*	5290	94.33	-	-	86	31.32	10.12	33.11	400	272	A	V
		5369.04	53.76	-20.24	74	45.32	31.41	10.14	33.11	400	272	P	V
		5350.8	45.79	-8.21	54	37.46	31.3	10.14	33.11	400	272	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	43.6	-24.6	68.2	44.47	39.7	16.26	56.83	100	0	P	H
		15870	44.36	-29.64	74	42.79	37.32	20.49	56.24	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	45.05	-23.15	68.2	45.92	39.7	16.26	56.83	100	0	P	V
5290MHz		15870	45.23	-28.77	74	43.66	37.32	20.49	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 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)
		5449.84	58.45	-15.55	74	49.63	31.7	10.23	33.11	255	319	P	H
		5463.44	59.18	-9.02	68.2	50.29	31.75	10.25	33.11	255	319	P	H
		5459.92	47.93	-6.07	54	39.06	31.74	10.24	33.11	255	319	A	H
	*	5500	118.01	-	-	108.91	31.9	10.31	33.11	255	319	P	H
802.11ac	*	5500	109.4	-	-	100.3	31.9	10.31	33.11	255	319	A	H
VHT20													H
CH 100		5459.92	53.57	-20.43	74	44.7	31.74	10.24	33.11	387	263	P	V
5500MHz		5462	55.54	-12.66	68.2	46.65	31.75	10.25	33.11	387	263	P	V
		5460	44.46	-9.54	54	35.59	31.74	10.24	33.11	387	263	A	V
	*	5500	114.81	-	-	105.71	31.9	10.31	33.11	387	263	P	V
	*	5500	106	-	-	96.9	31.9	10.31	33.11	387	263	A	V
													V
		5441.44	51.98	-22.02	74	43.2	31.68	10.21	33.11	248	319	P	H
		5467.6	51.82	-16.38	68.2	42.91	31.77	10.25	33.11	248	319	P	H
		5459.92	41.69	-12.31	54	32.82	31.74	10.24	33.11	248	319	A	H
	*	5580	118.59	-	-	109.5	31.8	10.43	33.14	248	319	P	H
802.11ac	*	5580	109.25	-	-	100.16	31.8	10.43	33.14	248	319	A	H
VHT20		5734.13	52.74	-15.46	68.2	43.32	32.07	10.53	33.18	248	319	P	H
CH 116		5442.16	50.83	-23.17	74	42.04	31.68	10.22	33.11	391	263	P	V
5580MHz		5463.76	50.37	-17.83	68.2	41.47	31.76	10.25	33.11	391	263	P	V
		5452.72	40.58	-13.42	54	31.75	31.71	10.23	33.11	391	263	A	V
	*	5580	116.09	-	-	107	31.8	10.43	33.14	391	263	P	V
	*	5580	106.67	-	-	97.58	31.8	10.43	33.14	391	263	A	V
		5732.555	51.85	-16.35	68.2	42.43	32.07	10.53	33.18	391	263	P	V

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)
	*	5700	118.52	-	-	109.18	32	10.51	33.17	252	318	P	H
	*	5700	109.18	-	-	99.84	32	10.51	33.17	252	318	A	H
		5725.16	63.92	-4.28	68.2	54.52	32.05	10.53	33.18	252	318	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	115.19	-	-	105.85	32	10.51	33.17	375	264	P	V
5700MHz	*	5700	105.52	-	-	96.18	32	10.51	33.17	375	264	A	V
		5725	60.55	-7.65	68.2	51.15	32.05	10.53	33.18	375	264	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.76	-27.24	74	46.75	40	16.51	56.5	100	0	P	H
		16500	46.95	-21.25	68.2	42.8	38.7	21.15	55.7	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	46.39	-27.61	74	46.38	40	16.51	56.5	100	0	P	V
5500MHz		16500	45.9	-22.3	68.2	41.75	38.7	21.15	55.7	100	0	P	V
													V
													V
		11160	46.99	-27.01	74	47.2	39.48	16.74	56.43	100	0	P	H
		16740	47.06	-21.14	68.2	41.91	39.56	21.48	55.89	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	47.03	-26.97	74	47.24	39.48	16.74	56.43	100	0	P	V
5580MHz		16740	47.79	-20.41	68.2	42.64	39.56	21.48	55.89	100	0	P	V
													V
													V
		11400	46.41	-27.59	74	45.96	39.7	17.09	56.34	100	0	P	H
		17100	48.1	-20.1	68.2	42.36	40.1	21.94	56.3	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	46.1	-27.9	74	45.65	39.7	17.09	56.34	100	0	P	V
5700MHz		17100	48.52	-19.68	68.2	42.78	40.1	21.94	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 - 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)
		5455.6	59.6	-14.4	74	50.75	31.72	10.24	33.11	250	319	P	H
		5468.8	65.46	-2.74	68.2	56.53	31.78	10.26	33.11	250	319	P	H
		5459.92	50.83	-3.17	54	41.96	31.74	10.24	33.11	250	319	A	H
	*	5510	116.02	-	-	106.93	31.88	10.32	33.11	250	319	P	H
802.11ac	*	5510	105.63	-	-	96.54	31.88	10.32	33.11	250	319	A	H
VHT40		5749.565	52.06	-16.14	68.2	42.61	32.1	10.54	33.19	250	319	P	H
CH 102		5452.72	54.21	-19.79	74	45.38	31.71	10.23	33.11	100	258	P	V
5510MHz		5468.8	57.54	-10.66	68.2	48.61	31.78	10.26	33.11	100	258	P	V
		5452.48	45.37	-8.63	54	36.54	31.71	10.23	33.11	100	258	A	V
	*	5510	109.6	-	-	100.51	31.88	10.32	33.11	100	258	P	V
	*	5510	100.75	-	-	91.66	31.88	10.32	33.11	100	258	A	V
		5749.25	50.77	-17.43	68.2	41.32	32.1	10.54	33.19	100	258	P	V
		5457.52	53.83	-20.17	74	44.97	31.73	10.24	33.11	257	317	P	H
		5468.08	55.28	-12.92	68.2	46.36	31.77	10.26	33.11	257	317	P	H
		5459.92	44.63	-9.37	54	35.76	31.74	10.24	33.11	257	317	A	H
	*	5550	115.29	-	-	106.24	31.8	10.38	33.13	257	317	P	H
802.11ac	*	5550	106.14	-	-	97.09	31.8	10.38	33.13	257	317	A	H
VHT40		5759.645	51.54	-16.66	68.2	42.06	32.12	10.55	33.19	257	317	P	H
CH 110		5457.76	50.81	-23.19	74	41.95	31.73	10.24	33.11	100	253	P	V
5550MHz		5469.28	50.82	-17.38	68.2	41.89	31.78	10.26	33.11	100	253	P	V
		5452.72	41.94	-12.06	54	33.11	31.71	10.23	33.11	100	253	A	V
	*	5550	109.46	-	-	100.41	31.8	10.38	33.13	100	253	P	V
	*	5550	100.7	-	-	91.65	31.8	10.38	33.13	100	253	A	V
		5749.88	50.78	-17.42	68.2	41.33	32.1	10.54	33.19	100	253	P	V

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)
		5409.5	50.84	-23.16	74	42.17	31.62	10.16	33.11	249	320	P	H
		5463.75	49.58	-18.62	68.2	40.68	31.76	10.25	33.11	249	320	P	H
		5459.9	40.48	-13.52	54	31.61	31.74	10.24	33.11	249	320	A	H
	*	5670	115.6	-	-	106.44	31.82	10.5	33.16	249	320	P	H
802.11ac	*	5670	105.73	-	-	96.57	31.82	10.5	33.16	249	320	A	H
VHT40		5725.45	64.31	-3.89	68.2	54.91	32.05	10.53	33.18	249	320	P	H
CH 134		5392	48.8	-25.2	74	40.21	31.55	10.15	33.11	100	242	P	V
5670MHz		5461.65	48.51	-19.69	68.2	39.62	31.75	10.25	33.11	100	242	P	V
		5452.9	39.77	-14.23	54	30.94	31.71	10.23	33.11	100	242	A	V
	*	5670	108.64	-	-	99.48	31.82	10.5	33.16	100	242	P	V
	*	5670	99.53	-	-	90.37	31.82	10.5	33.16	100	242	A	V
		5726.675	57.07	-11.13	68.2	47.67	32.05	10.53	33.18	100	242	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	45.99	-28.01	74	46.02	39.92	16.54	56.49	100	0	P	H
		16530	45.63	-22.57	68.2	41.41	38.76	21.19	55.73	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	46.35	-27.65	74	46.38	39.92	16.54	56.49	100	0	P	V
5510MHz		16530	45.69	-22.51	68.2	41.47	38.76	21.19	55.73	100	0	P	V
													V
													V
		11100	45.23	-28.77	74	45.43	39.6	16.66	56.46	100	0	P	H
		16650	46.44	-21.76	68.2	41.85	39.05	21.36	55.82	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	45.21	-28.79	74	45.41	39.6	16.66	56.46	100	0	P	V
5550MHz		16650	46.67	-21.53	68.2	42.08	39.05	21.36	55.82	100	0	P	V
													V
													V
		11340	46.27	-27.73	74	46.05	39.58	17.01	56.37	100	0	P	H
		17010	48.27	-19.93	68.2	42.54	40.01	21.85	56.13	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	45.75	-28.25	74	45.53	39.58	17.01	56.37	100	0	P	V
5670MHz		17010	47.57	-20.63	68.2	41.84	40.01	21.85	56.13	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)
		5454.64	58.29	-15.71	74	49.45	31.72	10.23	33.11	250	320	P	H
		5469.28	59.53	-8.67	68.2	50.6	31.78	10.26	33.11	250	320	P	H
		5459.92	49.65	-4.35	54	40.78	31.74	10.24	33.11	250	320	A	H
	*	5530	109.17	-	-	100.1	31.84	10.35	33.12	250	320	P	H
802.11ac	*	5530	100.35	-	-	91.28	31.84	10.35	33.12	250	320	A	H
VHT80		5737.28	52.59	-15.61	68.2	43.17	32.07	10.54	33.19	250	320	P	H
CH 106		5449.84	54.51	-19.49	74	45.69	31.7	10.23	33.11	400	276	P	V
5530MHz		5467.6	55.26	-12.94	68.2	46.35	31.77	10.25	33.11	400	276	P	V
		5459.92	44.83	-9.17	54	35.96	31.74	10.24	33.11	400	276	A	V
	*	5530	105.66	-	-	96.59	31.84	10.35	33.12	400	276	P	V
	*	5530	92.56	-	-	83.49	31.84	10.35	33.12	400	276	A	V
		5764.37	52.02	-16.18	68.2	42.53	32.13	10.55	33.19	400	276	P	V
		5450.45	57.72	-16.28	74	48.9	31.7	10.23	33.11	249	321	P	H
		5470	60.67	-7.53	68.2	51.74	31.78	10.26	33.11	249	321	P	H
		5459.9	48.31	-5.69	54	39.44	31.74	10.24	33.11	249	321	A	H
	*	5610	113.49	-	-	104.39	31.78	10.47	33.15	249	321	P	H
802.11ac	*	5610	104.49	-	-	95.39	31.78	10.47	33.15	249	321	A	H
VHT80		5727.025	62.52	-5.68	68.2	53.12	32.05	10.53	33.18	249	321	P	H
CH 122		5457.1	55.27	-18.73	74	46.41	31.73	10.24	33.11	387	261	P	V
5610MHz		5466.9	57.87	-10.33	68.2	48.96	31.77	10.25	33.11	387	261	P	V
		5459.9	45.59	-8.41	54	36.72	31.74	10.24	33.11	387	261	A	V
	*	5610	110.85	-	-	101.75	31.78	10.47	33.15	387	261	P	V
	*	5610	100.93	-	-	91.83	31.78	10.47	33.15	387	261	A	V
		5734.2	61.08	-7.12	68.2	51.66	32.07	10.53	33.18	387	261	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	45.92	-28.08	74	46.03	39.76	16.6	56.47	100	0	P	H
		16590	46.08	-22.12	68.2	41.69	38.88	21.28	55.77	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	46.7	-27.3	74	46.81	39.76	16.6	56.47	100	0	P	V
5530MHz		16590	46.25	-21.95	68.2	41.86	38.88	21.28	55.77	100	0	P	V
													V
													V
		11220	47.2	-26.8	74	47.36	39.42	16.83	56.41	100	0	P	H
		16830	47.99	-20.21	68.2	42.3	40.04	21.61	55.96	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47	-27	74	47.16	39.42	16.83	56.41	100	0	P	V
5610MHz		16830	48.31	-19.89	68.2	42.62	40.04	21.61	55.96	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)
		5454.13	50.3	-23.7	74	41.46	31.72	10.23	33.11	248	321	P	H
		5466.61	49.99	-18.21	68.2	41.08	31.77	10.25	33.11	248	321	P	H
		5452.96	40.51	-13.49	54	31.68	31.71	10.23	33.11	248	321	A	H
	*	5720	119.3	-	-	109.91	32.04	10.53	33.18	248	321	P	H
802.11ac	*	5720	110.01	-	-	100.62	32.04	10.53	33.18	248	321	A	H
VHT20		5870.75	52.41	-15.79	68.2	42.66	32.38	10.6	33.23	248	321	P	H
CH 144		5433.46	50.41	-23.59	74	41.65	31.67	10.2	33.11	395	264	P	V
5720MHz		5468.56	49.87	-18.33	68.2	40.95	31.77	10.26	33.11	395	264	P	V
		5455.3	39.84	-14.16	54	30.99	31.72	10.24	33.11	395	264	A	V
	*	5720	116.32	-	-	106.93	32.04	10.53	33.18	395	264	P	V
	*	5720	106.94	-	-	97.55	32.04	10.53	33.18	395	264	A	V
		5861.5	50.87	-17.33	68.2	41.16	32.35	10.59	33.23	395	264	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	46.92	-27.08	74	46.4	39.7	17.15	56.33	100	0	P	H
		17160	47.97	-20.23	68.2	42.13	40.28	21.99	56.43	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	46.46	-27.54	74	45.94	39.7	17.15	56.33	100	0	P	V
5720MHz		17160	47.95	-20.25	68.2	42.11	40.28	21.99	56.43	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)
		5406.55	49.9	-24.1	74	41.24	31.61	10.16	33.11	247	322	P	H
		5463.1	49.69	-18.51	68.2	40.8	31.75	10.25	33.11	247	322	P	H
		5452.96	40.44	-13.56	54	31.61	31.71	10.23	33.11	247	322	A	H
	*	5710	117.42	-	-	108.06	32.02	10.52	33.18	247	322	P	H
802.11ac	*	5710	107.97	-	-	98.61	32.02	10.52	33.18	247	322	A	H
VHT40		5859.75	52.97	-15.23	68.2	43.27	32.34	10.59	33.23	247	322	P	H
CH 142		5429.95	49.26	-24.74	74	40.51	31.66	10.2	33.11	392	263	P	V
5710MHz		5465.05	48.42	-19.78	68.2	39.52	31.76	10.25	33.11	392	263	P	V
		5458.81	39.86	-14.14	54	30.99	31.74	10.24	33.11	392	263	A	V
	*	5710	113.32	-	-	103.96	32.02	10.52	33.18	392	263	P	V
	*	5710	104.92	-	-	95.56	32.02	10.52	33.18	392	263	A	V
		5907.75	50.55	-17.65	68.2	40.66	32.52	10.61	33.24	392	263	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	46.67	-27.33	74	46.18	39.7	17.12	56.33	100	0	P	H
		17130	48.59	-19.61	68.2	42.81	40.19	21.96	56.37	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	46.63	-27.37	74	46.14	39.7	17.12	56.33	100	0	P	V
5710MHz		17130	48.34	-19.86	68.2	42.56	40.19	21.96	56.37	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5459.98	52.29	-21.71	74	43.42	31.74	10.24	33.11	250	322	P	H
		5469.73	52.78	-15.42	68.2	43.85	31.78	10.26	33.11	250	322	P	H
		5459.2	43	-11	54	34.13	31.74	10.24	33.11	250	322	A	H
	*	5690	113	-	-	103.72	31.94	10.51	33.17	250	322	P	H
802.11ac	*	5690	104.35	-	-	95.07	31.94	10.51	33.17	250	322	A	H
VHT80		5853.1	56.34	-11.86	68.2	46.66	32.31	10.59	33.22	250	322	P	H
CH 138		5430.34	49.69	-24.31	74	40.94	31.66	10.2	33.11	398	265	P	V
5690MHz		5462.32	50.4	-17.8	68.2	41.51	31.75	10.25	33.11	398	265	P	V
		5457.64	41.18	-12.82	54	32.32	31.73	10.24	33.11	398	265	A	V
	*	5690	109.6	-	-	100.32	31.94	10.51	33.17	398	265	P	V
	*	5690	100.62	-	-	91.34	31.94	10.51	33.17	398	265	A	V
		5850.7	55	-13.2	68.2	45.33	32.3	10.59	33.22	398	265	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	46.31	-27.69	74	45.94	39.66	17.06	56.35	100	0	P	H
		17070	48.34	-19.86	68.2	42.59	40.07	21.91	56.23	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	48.38	-25.62	74	48.01	39.66	17.06	56.35	100	0	P	V
5690MHz		17070	47.84	-20.36	68.2	42.09	40.07	21.91	56.23	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 LF		64.92	25.56	-14.44	40	45.22	11.6	1.1	32.36	-	-	P	H
		77.53	23.99	-16.01	40	42.32	12.8	1.21	32.34	-	-	P	H
		268.62	31.31	-14.69	46	42.32	18.95	2.24	32.2	-	-	P	H
		624.61	31.5	-14.5	46	34.36	25.91	3.42	32.19	-	-	P	H
		739.07	31.16	-14.84	46	31.76	27.66	3.77	32.03	-	-	P	H
		953.44	33.7	-12.3	46	29.52	30.72	4.32	30.86	100	0	P	H
													H
													H
													H
													H
													H
													H
		55.22	30.34	-9.66	40	49.74	11.98	0.98	32.36	100	0	P	V
		82.38	28.04	-11.96	40	45.75	13.39	1.24	32.34	-	-	P	V
		159.98	22.8	-20.7	43.5	36.95	16.37	1.75	32.27	-	-	P	V
		497.54	27.68	-18.32	46	33.14	23.7	3	32.16	-	-	P	V
		664.38	30.41	-15.59	46	32.65	26.37	3.55	32.16	-	-	P	V
		959.26	34.25	-11.75	46	29.74	30.97	4.34	30.8	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission Plots

Test Engineer :	Bill Kuo, Fu Chen, Troye Hsieh, Ken Wu, Watt Tseng, and JC Liang	**Temperature :**	21.2 ~ 26.4°C
		Relative Humidity :	51.5 ~ 60.0%

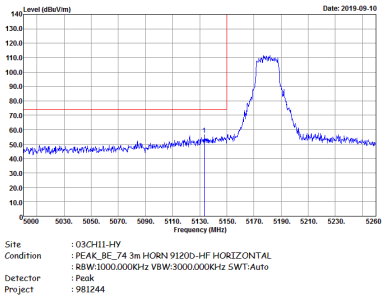
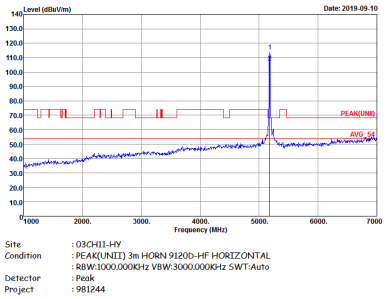
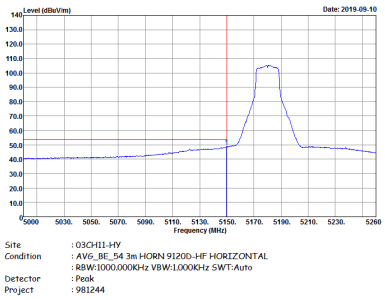
Note symbol

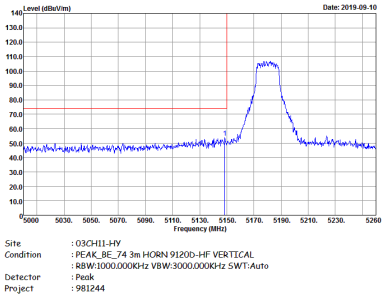
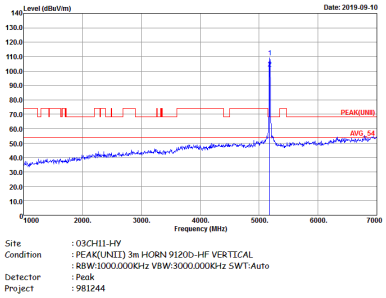
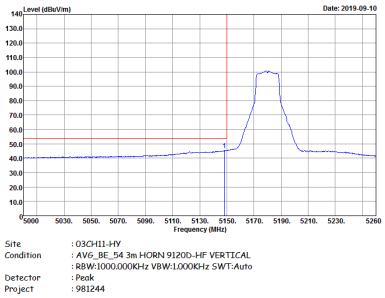
-L	**Low channel location**
-R	**High channel location**

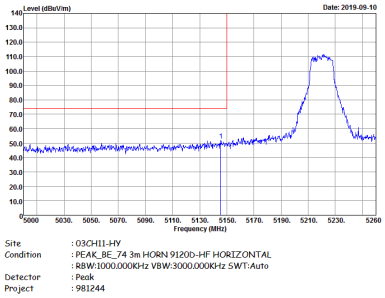
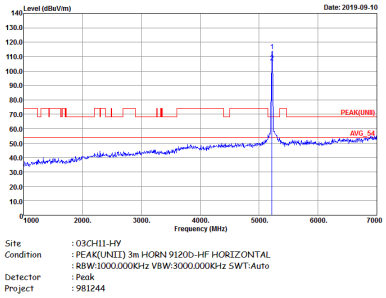
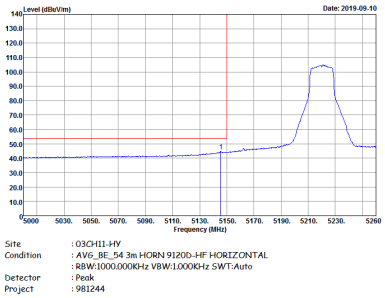
<CDD Mode>

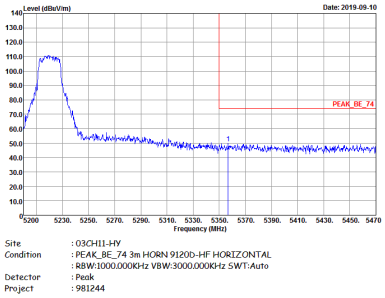
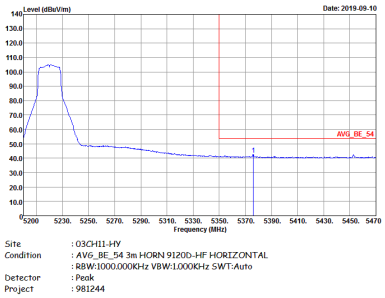
Band 1 - 5150~5250MHz

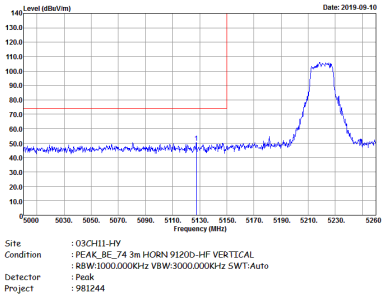
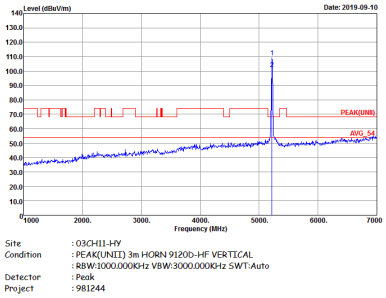
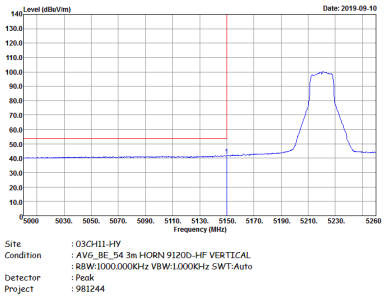
WIFI 802.11a (Band Edge @ 3m)

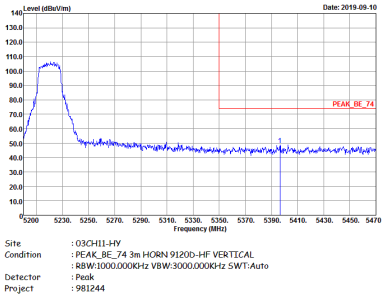
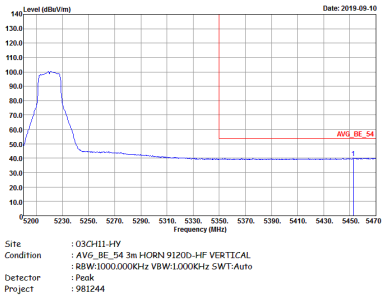
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

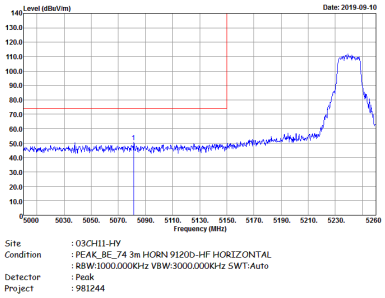
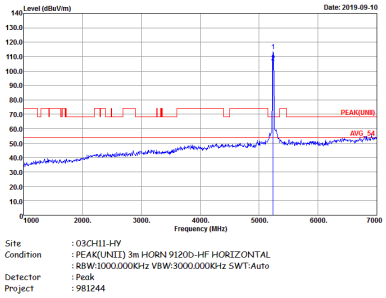
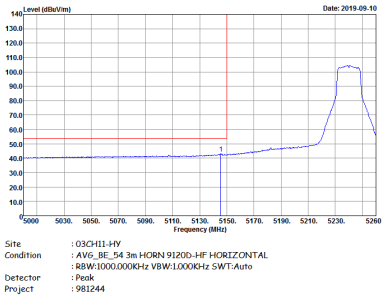
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

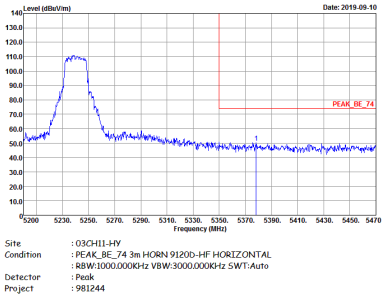
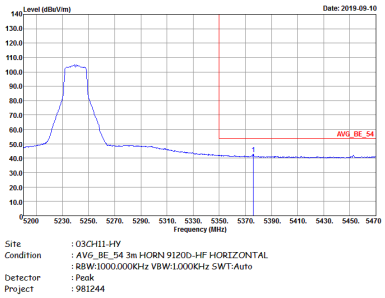
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

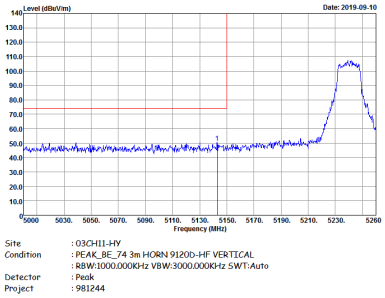
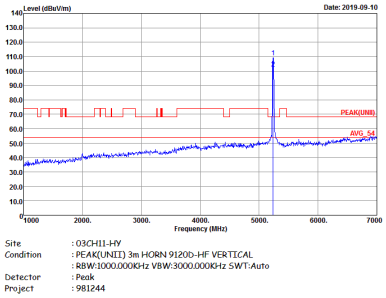
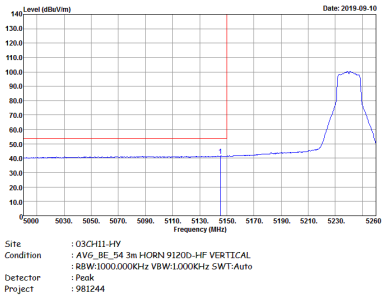
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

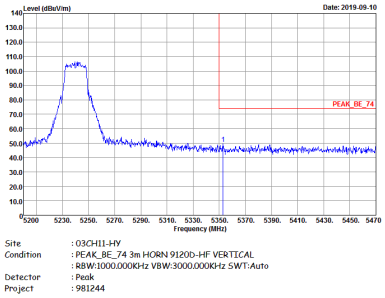
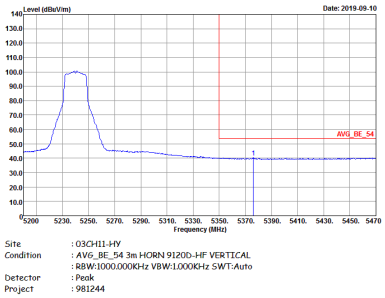
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

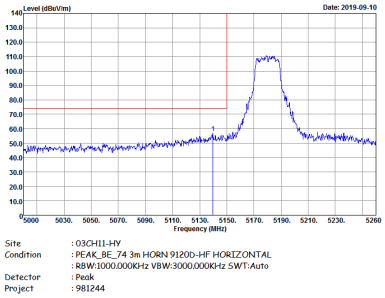
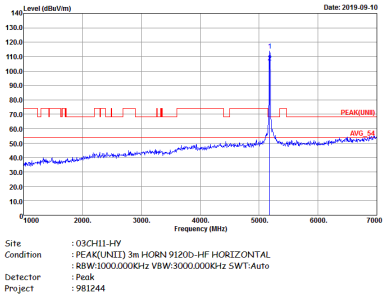
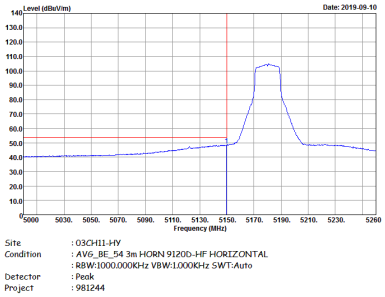
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

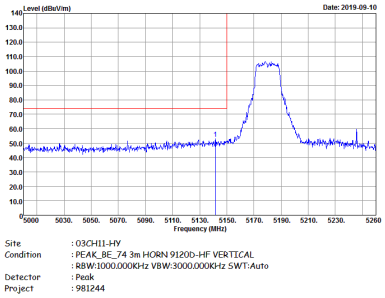
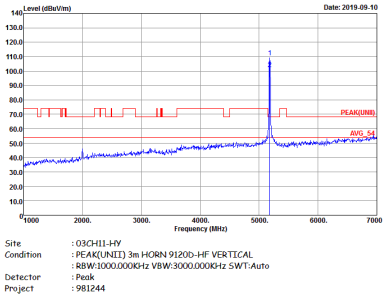
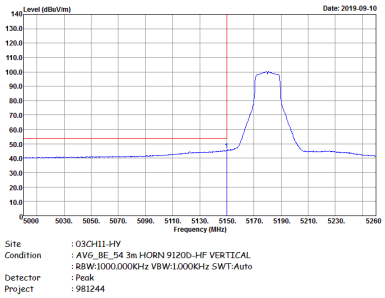
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

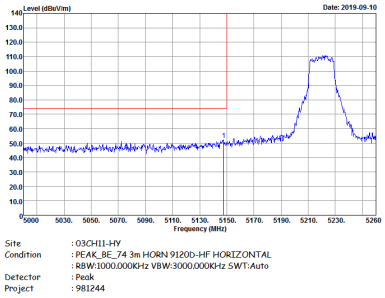
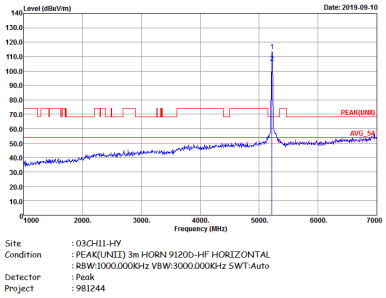
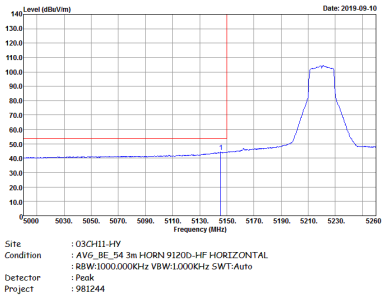
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

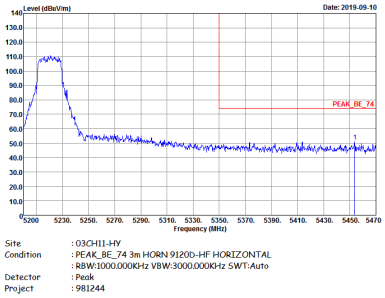
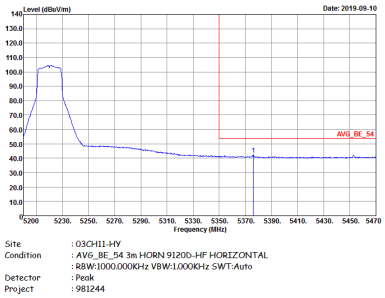
Band 1 5150~5250MHz

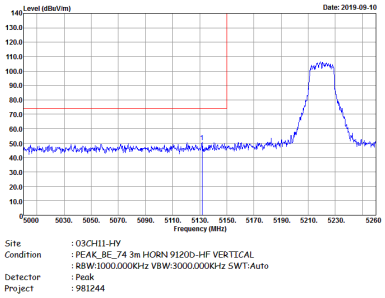
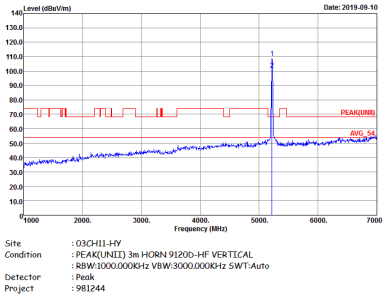
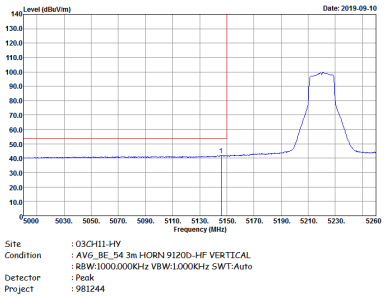
WIFI 802.11ac VHT20 (Band Edge @ 3m)

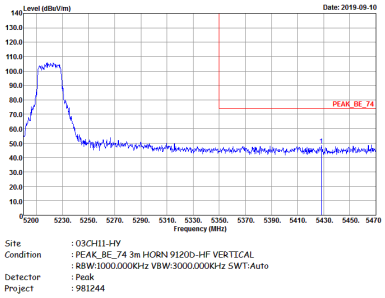
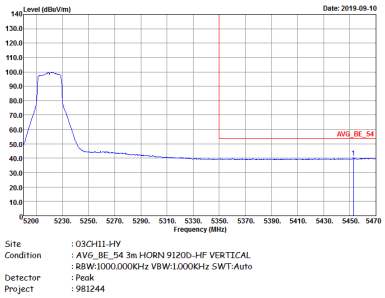
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

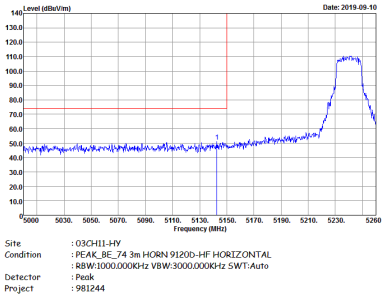
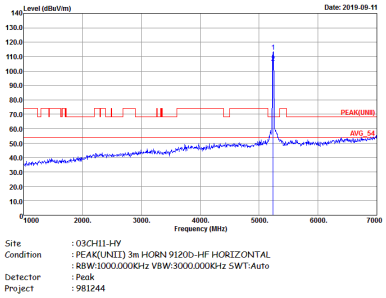
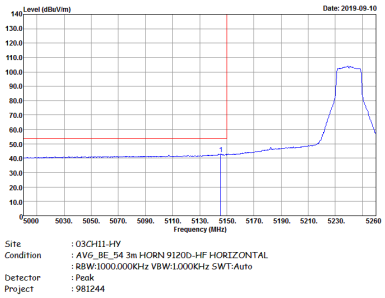
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

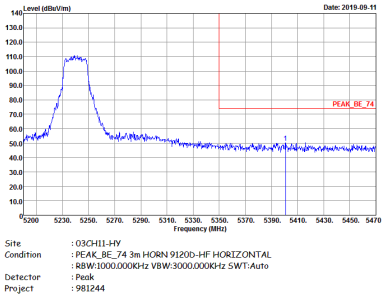
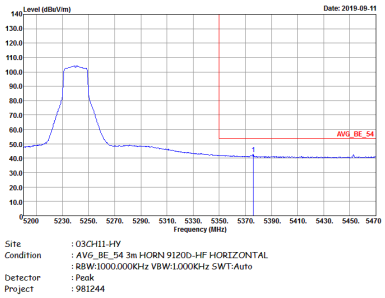
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

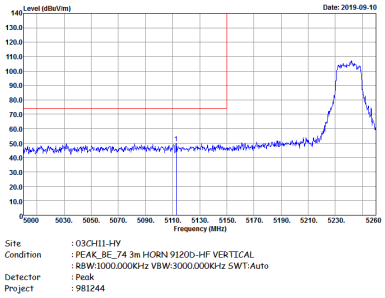
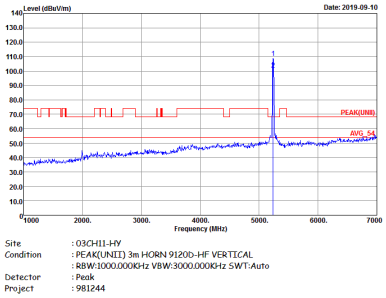
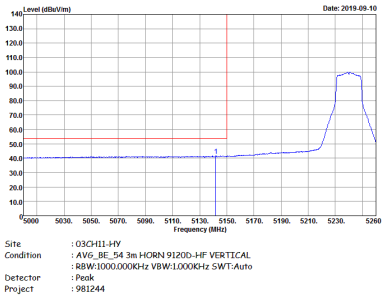
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

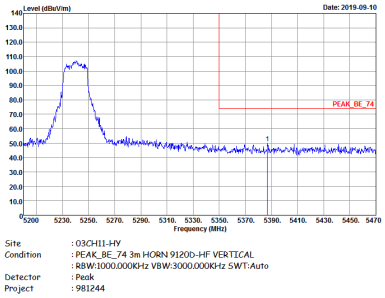
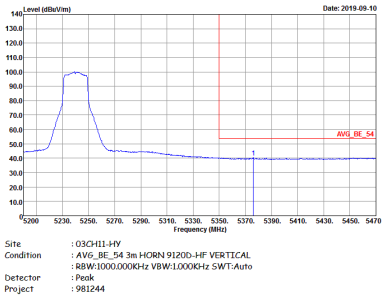
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

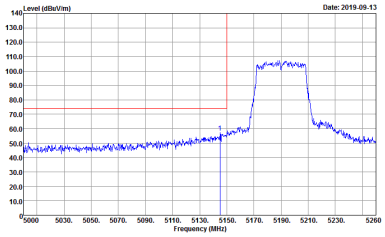
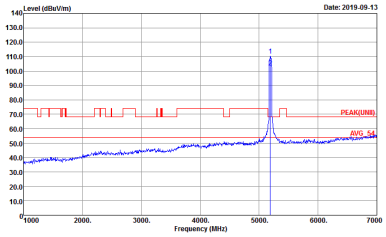
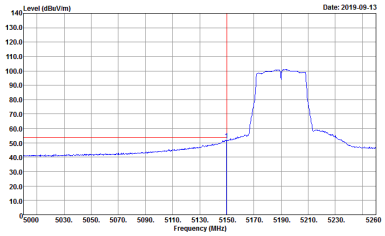
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

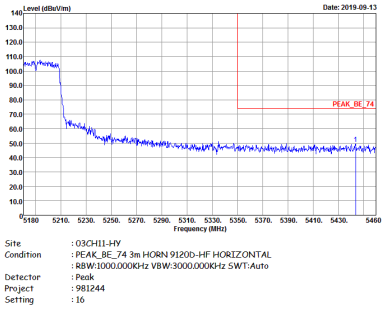
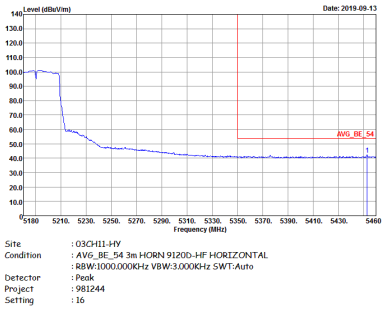
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

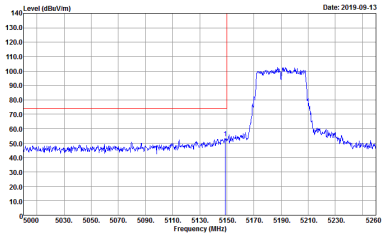
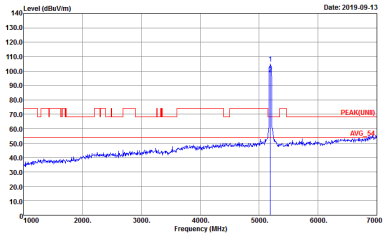
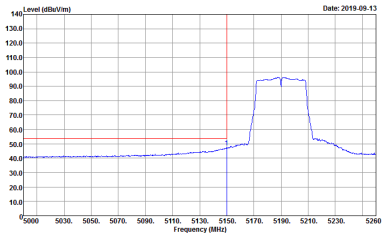
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

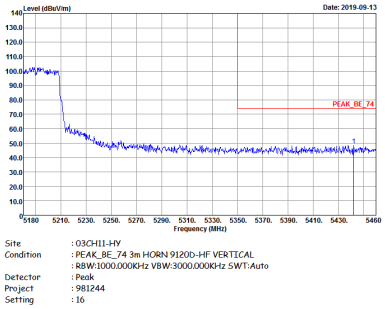
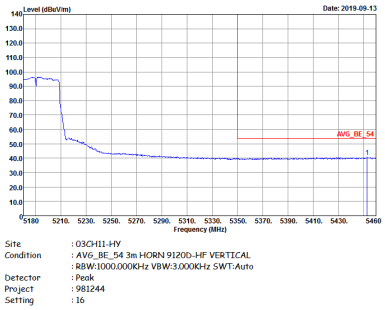
Band 1 5150~5250MHz

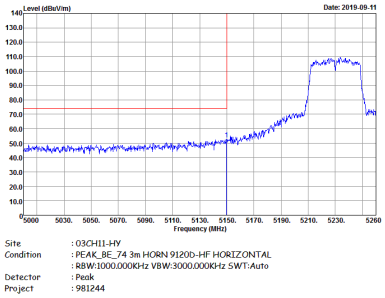
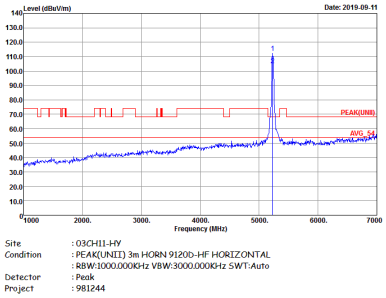
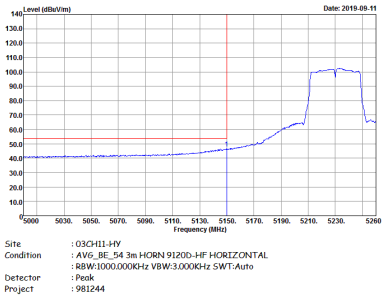
WIFI 802.11ac VHT40 (Band Edge @ 3m)

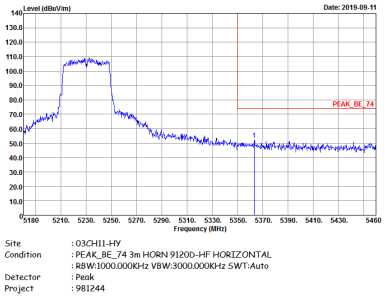
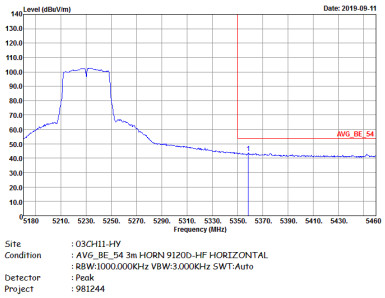
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

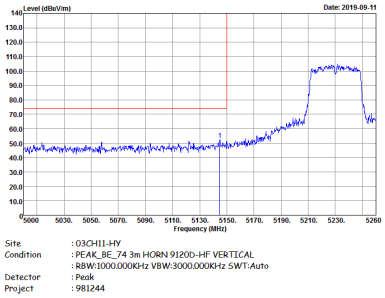
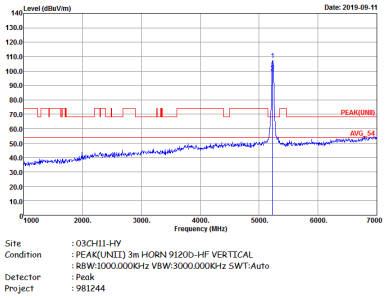
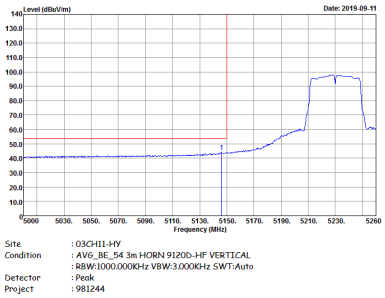
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

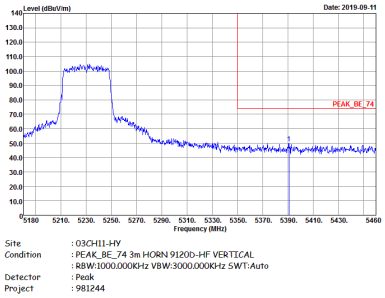
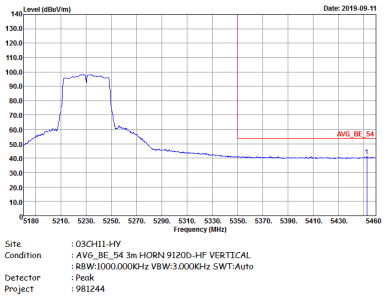
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981244 Setting : 16	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981244 Setting : 16
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 981244 Setting : 16	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981244 Setting : 16	Left blank
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 981244 Setting : 16	Left blank

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

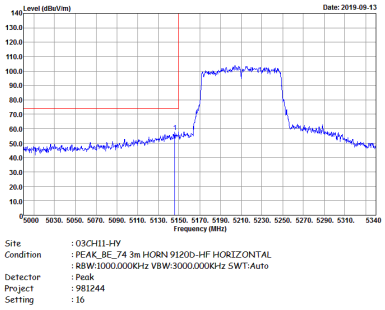
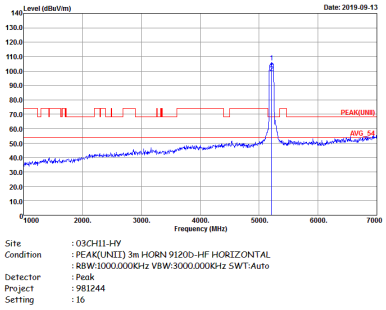
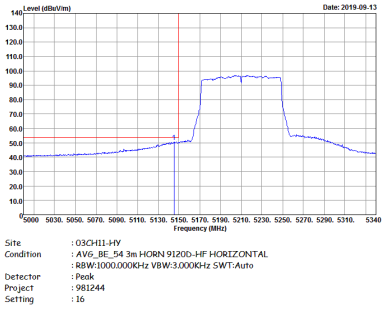
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

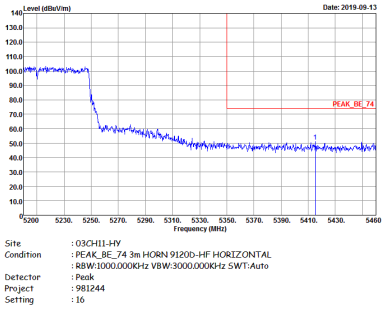
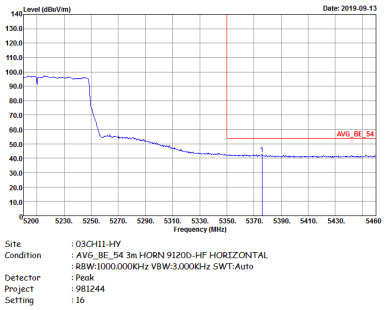
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

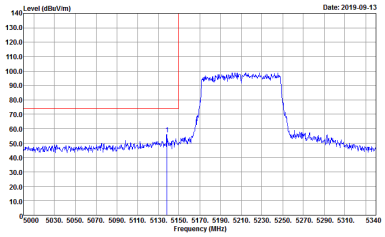
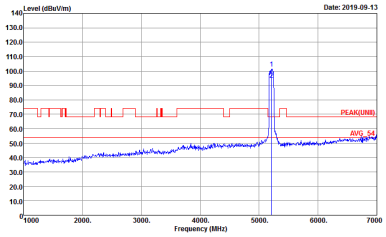
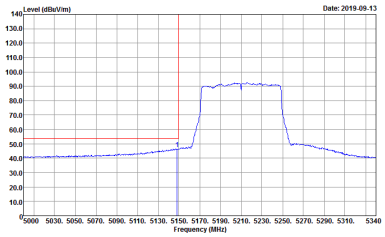
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

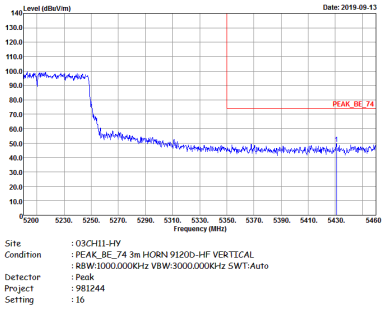
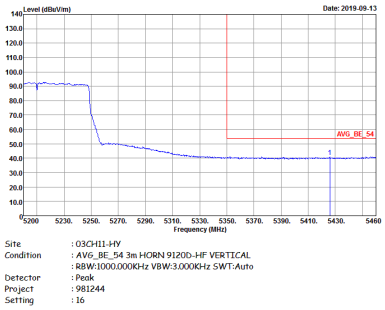
Band 1 5150~5250MHz

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

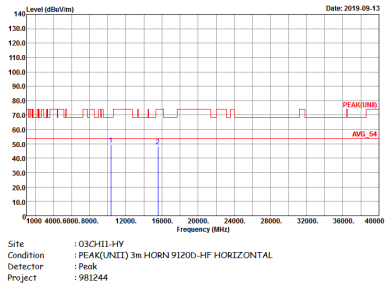
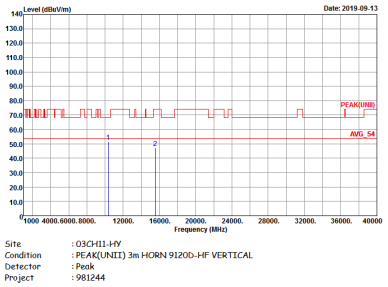
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

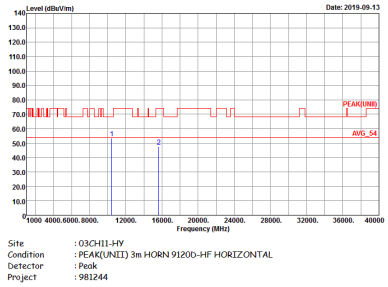
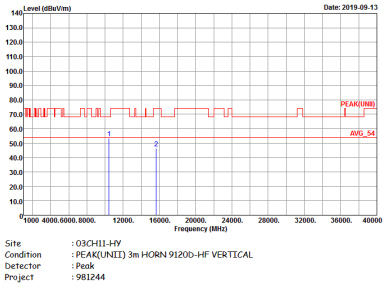
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981244 Setting : 16	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981244 Setting : 16
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 981244 Setting : 16	Left blank

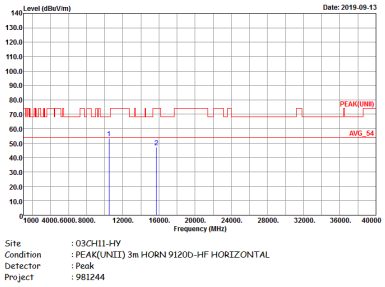
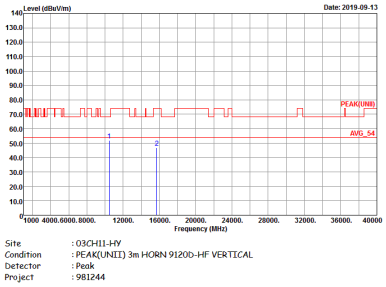
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

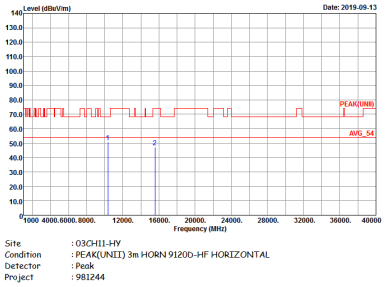
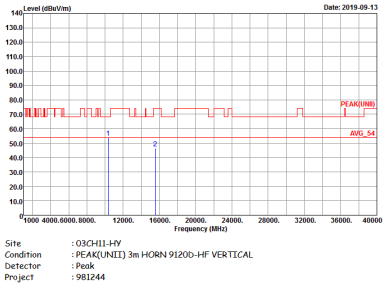
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

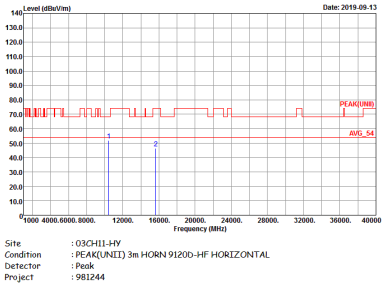
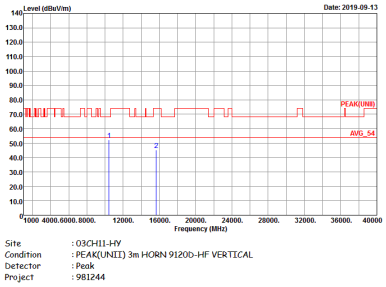
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

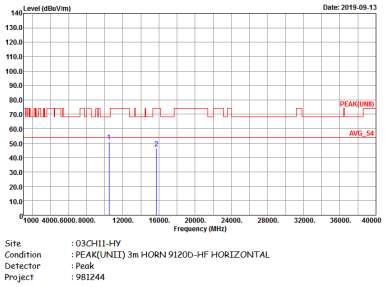
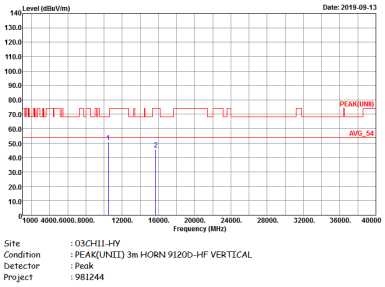
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

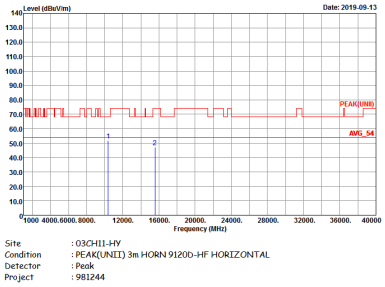
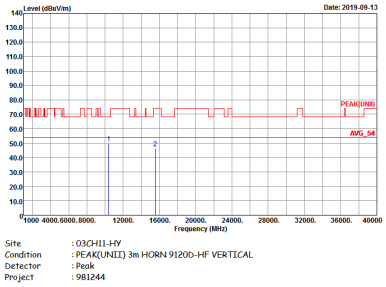
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

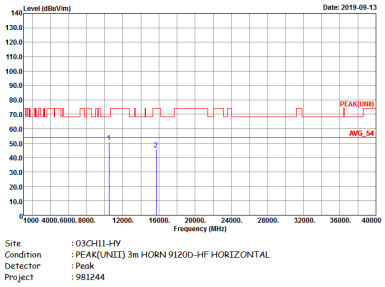
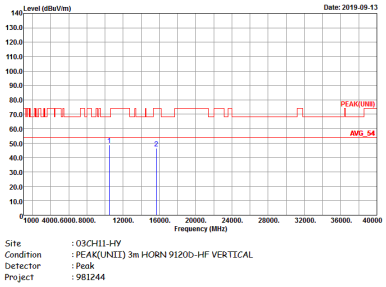
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 981244	 Site : 03CH11-HV Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 981244

Band 1 5150~5250MHz

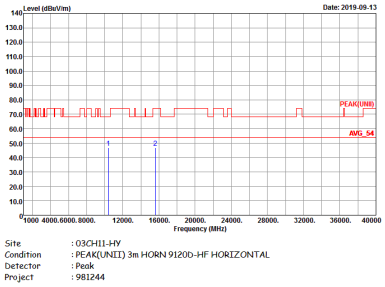
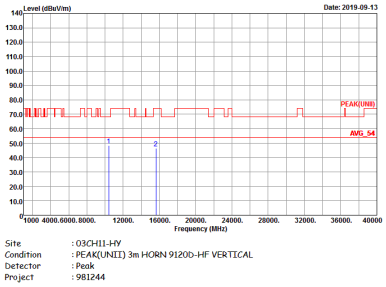
WIFI 802.11ac VHT40 (Harmonic @ 3m)

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

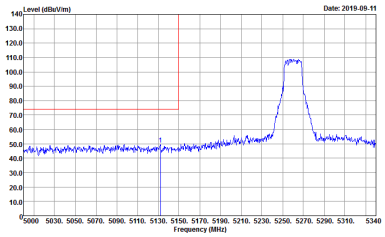
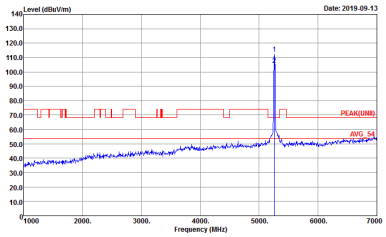
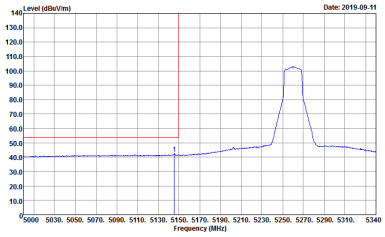
Band 1 5150~5250MHz

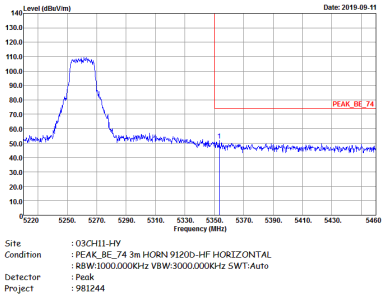
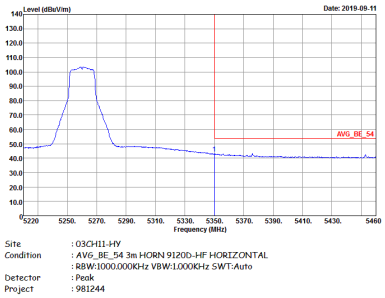
WIFI 802.11ac VHT80 (Harmonic @ 3m)

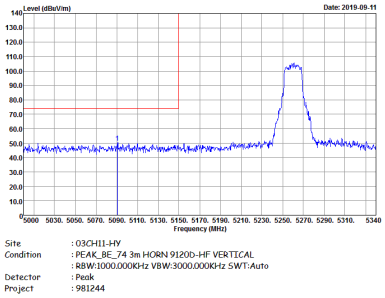
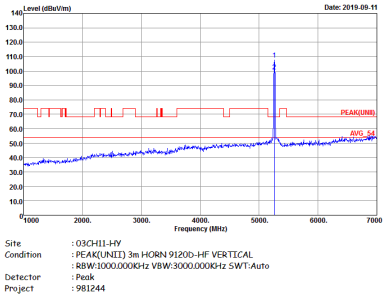
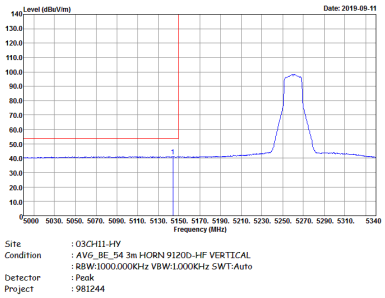
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

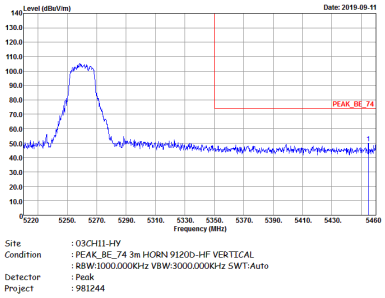
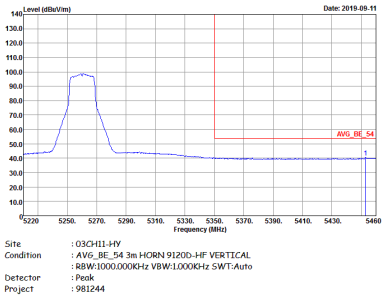
Band 2 - 5250~5350MHz

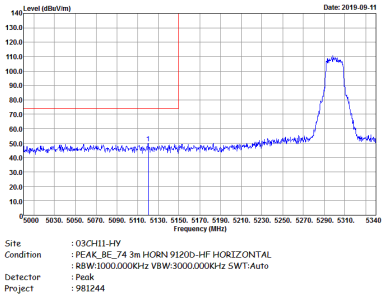
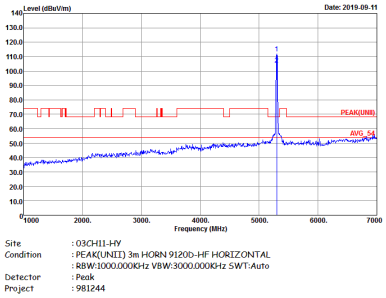
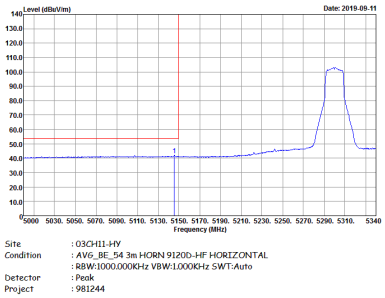
WIFI 802.11a (Band Edge @ 3m)

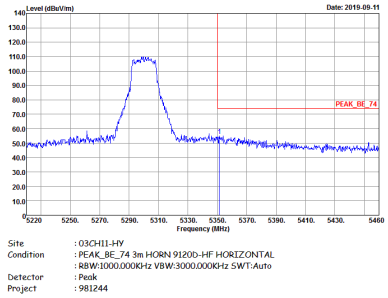
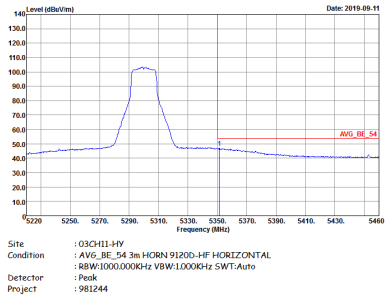
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

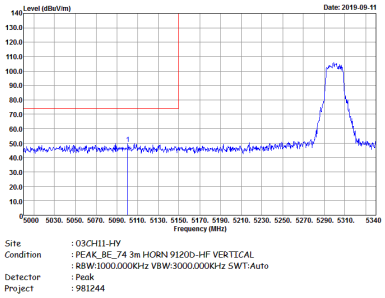
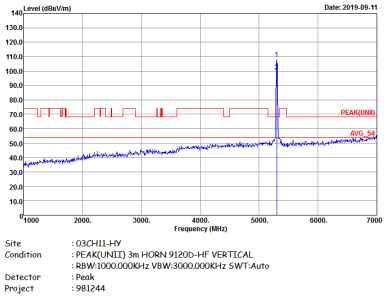
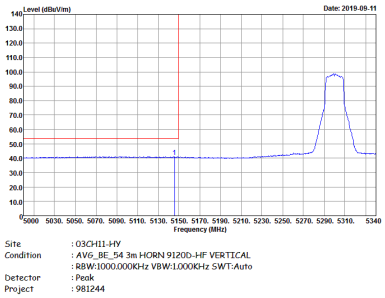
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

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

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

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