FCC RADIO TEST REPORT

FCC ID	:	**UZ7PS20J**
Equipment	:	**PS20 Personal Shopper**
Brand Name	:	**ZEBRA**
Model Name	:	**PS20J**
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 Jun. 02, 2018 and testing was started from Jun. 07, 2018 and completed on Sep. 08, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The 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.

Approved by: Joseph Lin

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

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History of this test report

Report No.	Version	Description	Issued Date
FR860204D	01	Initial issue of report	Sep. 13, 2018

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 1.09 dB at 5464.960 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 4.57 dB at 0.541 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Reviewed by: Wii Chang

Report Producer: Natasha Hsieh

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	PS20 Personal Shopper
Sample 1	Plus SKU
Sample 2	Base SKU
Brand Name	ZEBRA
Model Name	PS20J
FCC ID	UZ7PS20J
EUT supports Radios application	WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	EV3
SW Version	91-09-06.00-ON-U00-STD
FW Version	91-09-06.00-ON-U00-STD
MFD	06JUL18
EUT Stage	Engineering Sample

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

Specification of Accessories				
Battery	**Brand Name**	Zebra	**Part Number**	BT-000351

Supported Unit Used in Test Configuration and System				
1-slot cradle	**Brand Name**	Symbol	**Part Number**	CRD-MC18-1SL
Adapter	**Brand Name**	Zebra	**Part Number**	PWR-BGA12V108W0WW
Programming USB cable	**Brand Name**	Zebra	**Part Number**	CBL-PS20-USBCHG-01

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 : 19.77 dBm / 0.0881 W 802.11n HT20 : 19.38 dBm / 0.0662 W 802.11n HT40 : 19.86 dBm / 0.0565 W 802.11ac VHT20: 19.32 dBm / 0.0667 W 802.11ac VHT40: 19.83 dBm / 0.0566 W 802.11ac VHT80: 15.69 dBm / 0.0140 W **<Ant. 2>** 802.11a : 19.94 dBm / 0.0875 W 802.11n HT20 : 19.48 dBm / 0.0631 W 802.11n HT40 : 19.59 dBm / 0.0535 W 802.11ac VHT20: 19.43 dBm / 0.0641 W 802.11ac VHT40: 19.55 dBm / 0.0537 W 802.11ac VHT80: 19.35 dBm / 0.0131 W **MIMO <Ant. 1 + 2>** 802.11a : 19.89 dBm / 0.1227 W 802.11n HT20 : 19.90 dBm / 0.1175 W 802.11n HT40 : 19.95 dBm / 0.0953 W 802.11ac VHT20: 19.71 dBm / 0.1189 W 802.11ac VHT40: 19.88 dBm / 0.0964 W 802.11ac VHT80: 14.41 dBm / 0.0279 W
	<5260 MHz ~ 5320 MHz> **<Ant. 1>** 802.11a : 19.95 dBm / 0.0764 W 802.11n HT20 : 19.42 dBm / 0.0746 W 802.11n HT40 : 19.93 dBm / 0.0783 W 802.11ac VHT20: 19.36 dBm / 0.0748 W 802.11ac VHT40: 19.89 dBm / 0.0789 W 802.11ac VHT80: 15.40 dBm / 0.0235 W **<Ant. 2>** 802.11a : 19.98 dBm / 0.0762 W 802.11n HT20 : 19.44 dBm / 0.0719 W 802.11n HT40 : 19.84 dBm / 0.0762 W 802.11ac VHT20: 19.40 dBm / 0.0721 W 802.11ac VHT40: 19.74 dBm / 0.0767 W 802.11ac VHT80: 19.26 dBm / 0.0231 W **MIMO <Ant. 1 + 2>** 802.11a : 19.91 dBm / 0.1205 W 802.11n HT20 : 19.82 dBm / 0.1130 W 802.11n HT40 : 19.93 dBm / 0.0998 W 802.11ac VHT20: 19.69 dBm / 0.1138 W 802.11ac VHT40: 19.83 dBm / 0.1072 W 802.11ac VHT80: 12.27 dBm / 0.0388 W

Standards-related Product Specification	
Maximum Output Power to Antenna <CDD Modes>	**<5500 MHz ~ 5720 MHz>** **<Ant. 1>** 802.11a : 20.49 dBm / 0.01119 W 802.11n HT20 : 20.30 dBm / 0.1072 W 802.11n HT40 : 20.32 dBm / 0.1076 W 802.11ac VHT20: 20.27 dBm / 0.1064 W 802.11ac VHT40: 20.26 dBm / 0.1062 W 802.11ac VHT80: 20.15 dBm / 0.1035 W **<Ant. 2>** 802.11a : 20.29 dBm / 0.1069 W 802.11n HT20 : 20.22 dBm / 01052 W 802.11n HT40 : 20.39 dBm / 0.1094 W 802.11ac VHT20: 20.21 dBm / 0.1050 W 802.11ac VHT40: 20.36 dBm / 0.1086 W 802.11ac VHT80: 20.25 dBm / 0.1059 W **MIMO <Ant. 1 + 2>** 802.11a : 20.40 dBm / 0.1096 W 802.11n HT20 : 20.39 dBm / 0.1094 W 802.11n HT40 : 20.23 dBm / 0.1054 W 802.11ac VHT20: 20.23 dBm / 0.1054 W 802.11ac VHT40: 20.16 dBm / 0.1038 W 802.11ac VHT80: 20.44 dBm / 0.1107 W
Maximum Output Power to Antenna <TXBF Modes>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 19.12 dBm / 0.0817 W 802.11ac VHT40: 19.24 dBm / 0.0839 W 802.11ac VHT80: 14.16 dBm / 0.0261 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 19.08 dBm / 0.0809 W 802.11ac VHT40: 19.28 dBm / 0.0847 W 802.11ac VHT80: 13.76 dBm / 0.0238 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 19.14 dBm / 0.0820 W 802.11ac VHT40: 19.93 dBm / 0.0984 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 : 17.20 MHz
802.11n HT20 : 18.10 MHz
802.11n HT40 : 36.90 MHz
802.11ac VHT80 : 76.92 MHz
<Ant. 2>
802.11a : 17.55 MHz
802.11n VHT20 : 18.35 MHz
802.11n VHT40 : 36.90 MHz
802.11ac VHT80 : 77.28 MHz
MIMO <Ant. 1>
802.11a : 16.85 MHz
802.11n HT20 : 17.95 MHz
802.11n HT40 : 36.70 MHz
802.11ac VHT80 : 76.92 MHz
MIMO <Ant. 2>
802.11a : 16.80 MHz
802.11n HT20 : 17.95 MHz
802.11n HT40 : 36.60 MHz
802.11ac VHT80 : 76.92 MHz</td></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Modes></td><td>MIMO <Ant. 1>
802.11ac VHT20 : 17.75 MHz
802.11ac VHT40 : 36.60 MHz
802.11ac VHT80 : 77.40 MHz
MIMO <Ant. 2>
802.11ac VHT20 : 18.75 MHz
802.11ac VHT40 : 36.70 MHz
802.11ac VHT80 : 77.40 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 1 : PIFA Antenna with gain 3.89 dBi
Ant. 2 : PIFA Antenna with gain 3.69 dBi
<5260 MHz ~ 5320 MHz>
Ant. 1 : PIFA Antenna with gain 3.05 dBi
Ant. 2 : PIFA Antenna with gain 3.76 dBi
<5500 MHz ~ 5720 MHz>
Ant. 1 : PIFA Antenna with gain 3.93 dBi
Ant. 2 : PIFA Antenna with gain 3.97 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

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1190 and TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

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

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

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 (X plane for Sample 1 CDD Mode Ant. 1, Y plane for Sample 1 CDD Mode Ant. 2, Z plane for Sample 1 CDD Mode Ant. 1+2, X plane for Sample 1 TXBF Mode Ant. 1+2, and Y plane for Sample 2 CDD Mode Ant. 1) 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	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0

MIMO Mode

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

TXBF Mode

Modulation	Data Rate
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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + MPEG4 + 1 slot locking cradle + AC Adapter (Sanhua) for Sample 1

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
		802.11n HT20	802.11n HT20	802.11n HT20
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
		802.11n HT40	802.11n HT40	802.11n HT40
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	-
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 (%)		95.31		93.84	92.75	89.15	86.67	81.11	77.27	74.39
CH 036	5180	19.66	CH 048	19.73	19.73	19.76	19.72	19.51	19.48	19.59
CH 044	5220	19.76								
CH 048	5240	**19.77**								
CH 052	5260	19.88	CH 060	19.84	19.78	19.90	19.92	19.69	19.72	19.77
CH 060	5300	**19.95**								
CH 064	5320	19.94								
CH 100	5500	20.15	CH 144	20.48	20.43	20.45	20.47	20.22	20.22	20.26
CH 116	5580	20.13								
CH 140	5700	20.29								
CH 144*	5720	**20.49**								

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 (%)		94.97		90.91	88.62	84.35	80.19	73.74	73.17	72.55
CH 036	5180	**19.38**	CH 036	19.34	19.08	19.14	19.06	19.25	19.16	19.15
CH 044	5220	19.31								
CH 048	5240	19.35								
CH 052	5260	19.23	CH 064	19.41	19.40	19.39	19.22	19.29	19.31	19.19
CH 060	5300	19.31								
CH 064	5320	**19.42**								
CH 100	5500	**20.30**	CH 100	20.29	20.03	20.19	20.20	20.27	20.21	20.19
CH 116	5580	20.28								
CH 140	5700	14.27								
CH 144*	5720	20.02								

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
Duty Cycle (%)		91.18		85.82	80.77	75.29	68.66	62.07	61.11	60.00
CH 038	5190	15.13	CH 046	19.66	19.43	19.61	19.48	19.50	19.56	19.52
CH 046	5230	**19.86**								
CH 054	5270	**19.93**	CH 054	19.91	19.91	19.88	19.88	19.92	19.92	19.90
CH 062	5310	19.82								
CH 102	5510	**20.32**	CH 102	20.18	20.13	20.31	20.16	20.30	20.20	20.17
CH 110	5550	20.25								
CH 134	5670	20.20								
CH 142*	5710	20.18								

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
Duty Cycle (%)		95.50		90.98	88.71	85.71	80.65	76.67	74.70	70.44	69.57
CH 036	5180	**19.32**	CH 036	19.21	19.07	19.12	19.05	19.15	19.13	19.07	19.03
CH 044	5220	19.23									
CH 048	5240	19.30									
CH 052	5260	19.16	CH 064	19.31	19.34	19.32	19.21	19.15	19.23	19.17	19.28
CH 060	5300	19.20									
CH 064	5320	**19.36**									
CH 100	5500	**20.27**	CH 100	20.26	20.02	20.12	20.17	20.15	20.15	20.17	20.23
CH 116	5580	20.25									
CH 140	5700	14.22									
CH 144*	5720	20.01									

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
Duty Cycle (%)		90.29		85.31	80.00	73.03	69.12	60.66	62.96	60.38	58.33	55.32
CH 038	5190	15.12	CH 046	19.60	19.42	19.60	19.45	19.47	19.51	19.49	19.74	19.82
CH 046	5230	**19.83**										
CH 054	5270	**19.89**	CH 054	19.79	19.82	19.86	19.80	19.87	19.72	19.81	19.84	19.77
CH 062	5310	19.79										
CH 102	5510	**20.26**	CH 102	20.14	20.07	20.18	20.10	20.20	20.07	20.14	20.25	20.20
CH 110	5550	20.24										
CH 134	5670	20.16										
CH 142*	5710	20.14										

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
Duty Cycle (%)		89.09		82.91	75.28	72.60	63.33	59.62	58.00	57.45	54.95	51.16
CH 042	5210	**15.69**	CH 042	15.53	15.67	15.54	15.58	15.56	15.61	15.57	15.58	15.66
CH 058	5290	**15.40**	CH 058	15.30	15.33	15.39	15.38	15.35	15.38	15.39	15.38	15.36
CH 106	5530	**20.15**										
CH 122	5610	20.03	CH 106	19.71	19.88	19.82	19.78	19.76	19.77	19.76	19.78	19.83
CH 138*	5690	20.02										

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

<Ant. 2>

802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		95.31		93.79	91.43	87.79	85.86	80.91	77.27	72.62
CH 036	5180	19.79	CH 048	19.70	19.72	19.92	19.91	19.49	19.56	19.74
CH 044	5220	19.61								
CH 048	5240	**19.94**								
CH 052	5260	**19.98**	CH 052	19.73	19.77	19.97	19.96	19.54	19.55	19.71
CH 060	5300	19.95								
CH 064	5320	19.41								
CH 100	5500	**20.29**	CH 100	20.24	20.27	20.19	20.28	20.24	20.20	20.27
CH 116	5580	20.18								
CH 140	5700	20.01								
CH 144*	5720	20.00								

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

802.11n HT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		95.00		92.31	87.20	83.89	81.22	77.01	74.07	72.85
CH 036	5180	**19.48**	CH 036	19.26	19.24	19.32	19.23	19.26	19.33	19.29
CH 044	5220	19.39								
CH 048	5240	19.33								
CH 052	5260	**19.44**	CH 052	19.43	19.16	19.25	19.16	19.19	19.24	19.28
CH 060	5300	19.39								
CH 064	5320	19.33								
CH 100	5500	20.17	CH 140	20.19	20.19	20.21	20.21	20.13	20.20	20.20
CH 116	5580	20.10								
CH 140	5700	**20.22**								
CH 144*	5720	20.20								

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 MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		91.09		84.51	79.81	76.19	68.38	60.00	61.11	59.62
CH 038	5190	19.55	CH 046	19.44	19.30	19.38	19.28	19.47	19.31	19.27
CH 046	5230	**19.59**								
CH 054	5270	**19.84**	CH 054	19.81	19.73	19.82	19.78	19.82	19.70	19.76
CH 062	5310	19.81								
CH 102	5510	**20.39**	CH 102	20.25	20.21	20.26	20.20	20.38	20.11	20.20
CH 110	5550	20.37								
CH 134	5670	20.31								
CH 142*	5710	20.27								

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
Duty Cycle (%)		95.00		90.64	87.90	84.16	79.64	75.56	74.40	72.73	71.01
CH 036	5180	**19.43**	CH 036	19.23	19.18	19.28	19.19	19.25	19.28	19.20	19.24
CH 044	5220	19.34									
CH 048	5240	19.30									
CH 052	5260	**19.40**	CH 052	19.33	19.12	19.20	19.09	19.17	19.20	19.26	19.34
CH 060	5300	19.29									
CH 064	5320	19.25									
CH 100	5500	20.16	CH 140	20.15	20.09	20.17	20.19	20.10	20.13	20.08	20.14
CH 116	5580	20.07									
CH 140	5700	**20.21**									
CH 144*	5720	20.17									

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
Duty Cycle (%)		90.29		85.92	80.95	77.19	66.67	65.52	58.33	61.90	54.90	57.45
CH 038	5190	19.52	CH 046	19.41	19.28	19.34	19.26	19.34	19.29	19.23	19.40	19.31
CH 046	5230	**19.55**										
CH 054	5270	**19.74**	CH 054	19.68	19.67	19.72	19.68	19.44	19.54	19.59	19.60	19.41
CH 062	5310	19.69										
CH 102	5510	**20.36**	CH 102	20.21	20.12	20.22	20.16	20.04	20.09	20.03	20.20	20.04
CH 110	5550	20.32										
CH 134	5670	20.28										
CH 142*	5710	20.24										

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
Duty Cycle (%)		90.24		81.36	77.01	72.97	66.10	56.36	58.00	58.33	55.56	52.38
CH 042	5210	**19.35**	CH 042	19.33	19.33	19.27	19.16	19.29	19.28	19.16	19.10	19.26
CH 058	5290	**19.26**	CH 058	19.20	19.23	19.19	19.10	19.24	19.07	19.08	19.00	19.20
CH 106	5530	**20.25**	CH 106	20.21	20.23	20.22	20.12	19.99	20.20	20.16	20.09	20.19
CH 122	5610	20.15										
CH 138*	5690	20.10										

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

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802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M	
Duty Cycle (%)											
CH 036	5180	19.88	CH 044	19.88	19.85	19.88	19.88	19.60	19.69	19.72	
CH 044	5220	**19.89**									
CH 048	5240	19.88									
CH 052	5260	**19.91**	CH 052	19.80	19.79	19.80	19.80	19.58	19.63	19.67	
CH 060	5300	19.81									
CH 064	5320	19.85									
CH 100	5500	**20.40**	CH 100	20.36	20.37	20.14	20.13	20.26	20.30	20.35	
CH 116	5580	20.28									
CH 140	5700	20.37									
CH 144*	5720	20.33									

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

802.11n HT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
Duty Cycle (%)											
CH 036	5180	19.78	CH 044	19.71	19.89	19.89	19.62	19.81	19.70	19.64	
CH 044	5220	**19.90**									
CH 048	5240	19.87									
CH 052	5260	19.81	CH 060	19.62	19.81	19.79	19.57	19.67	19.55	19.64	
CH 060	5300	**19.82**									
CH 064	5320	19.79									
CH 100	5500	**20.39**	CH 100	20.37	20.22	20.14	20.27	20.36	20.37	20.31	
CH 116	5580	19.88									
CH 140	5700	17.21									
CH 144*	5720	20.28									

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

802.11n HT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)										
CH 038	5190	17.39	CH 046	19.88	19.94	19.94	19.93	19.94	19.55	19.91
CH 046	5230	**19.95**								
CH 054	5270	**19.93**	CH 054	19.88	19.92	19.90	19.84	19.87	19.92	19.86
CH 062	5310	17.43								
CH 102	5510	20.18	CH 134	20.07	20.20	20.21	20.18	20.22	20.22	20.16
CH 110	5550	20.16								
CH 134	5670	**20.23**								
CH 142*	5710	20.20								

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

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)											
CH 036	5180	19.67	CH 044	19.67	19.70	19.69	19.58	19.62	19.56	19.61	19.60
CH 044	5220	**19.71**									
CH 048	5240	19.69									
CH 052	5260	**19.69**	CH 052	19.68	19.44	19.43	19.68	19.60	19.58	19.18	19.54
CH 060	5300	19.67									
CH 064	5320	19.65									
CH 100	5500	19.96	CH 144	20.21	20.06	19.98	20.21	20.21	20.20	20.22	20.20
CH 116	5580	19.82									
CH 140	5700	17.10									
CH 144*	5720	**20.23**									

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								
Duty Cycle (%)		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 038	5190	17.33	CH 046	19.85	19.86	19.73	19.84	19.79	19.51	19.81	19.87	19.87
CH 046	5230	**19.88**										
CH 054	5270	**19.83**	CH 054	19.80	19.76	19.70	19.78	19.73	19.75	19.76	19.74	19.82
CH 062	5310	17.32										
CH 102	5510	20.08	CH 134	20.07	20.12	20.15	20.11	20.07	20.05	20.05	20.11	20.14
CH 110	5550	20.13										
CH 134	5670	**20.16**										
CH 142*	5710	20.11										

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								
Duty Cycle (%)		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 042	5210	**14.41**	CH 042	14.36	14.16	14.25	14.30	14.35	14.26	14.40	14.33	14.35
CH 058	5290	**12.27**	CH 058	12.22	12.24	12.26	12.25	12.07	12.26	12.22	12.25	12.25
CH 106	5530	18.32	CH 138	20.42	20.41	20.07	20.03	20.09	20.05	20.07	20.09	20.17
CH 122	5610	20.33										
CH 138*	5690	**20.44**										

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

<TXBF Mode>

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802.11ac VHT20 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)												
CH 036	5180	19.08	CH 044	18.77	19.07	19.07	18.67	18.82	19.10	18.90	18.54
CH 044	5220	**19.12**									
CH 048	5240	19.02									
CH 052	5260	19.04	CH 064	18.82	19.07	19.07	18.62	18.82	19.00	18.95	18.95
CH 060	5300	18.98									
CH 064	5320	**19.08**									
CH 100	5500	18.74	CH 140	19.04	19.11	19.11	18.95	19.02	19.10	19.12	19.12
CH 116	5580	18.60									
CH 140	5700	**19.14**									
CH 144*	5720	19.10									

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

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)												
CH 038	5190	17.30	CH 046	19.20	19.04	19.16	19.07	19.23	19.13	19.00	18.77	18.64
CH 046	5230	**19.24**										
CH 054	5270	**19.28**	CH 054	19.24	19.08	19.20	19.10	19.26	19.16	19.03	18.80	18.68
CH 062	5310	17.30										
CH 102	5510	19.90	CH 142	19.83	19.67	19.78	19.67	19.83	19.73	19.60	19.37	19.27
CH 110	5550	19.84										
CH 134	5670	19.88										
CH 142*	5710	**19.93**										

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

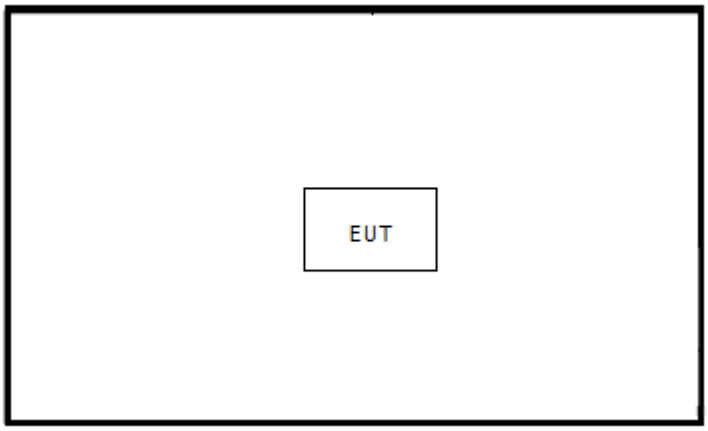
802.11ac VHT80 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
Duty Cycle (%)		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 042	5210	**14.16**	CH 042	14.01	14.12	14.12	14.12	14.07	14.07	14.07	14.12	14.02
CH 058	5290	**13.76**	CH 058	13.61	13.71	13.71	13.71	13.66	13.66	13.66	13.71	13.61
CH 106	5530	18.66	CH 122	19.96	20.11	20.17	20.16	20.15	20.10	20.06	19.86	20.07
CH 122	5610	**20.36**										
CH 138*	5690	20.26										

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

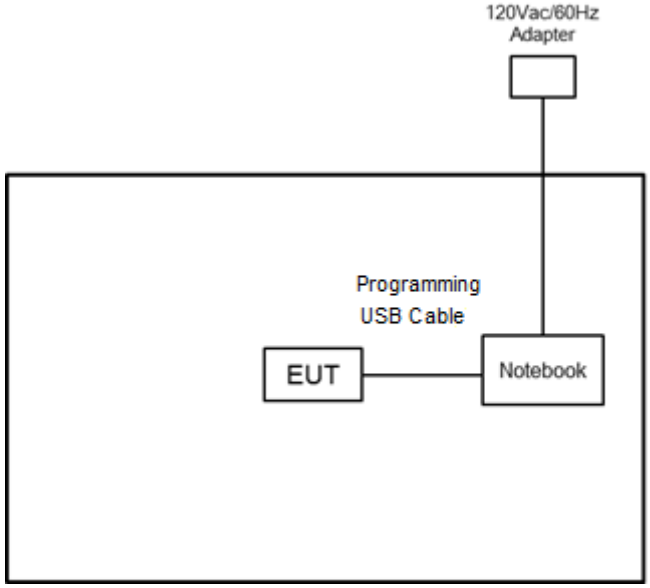
2.3 Connection Diagram of Test System

<Radiated Emission Mode>

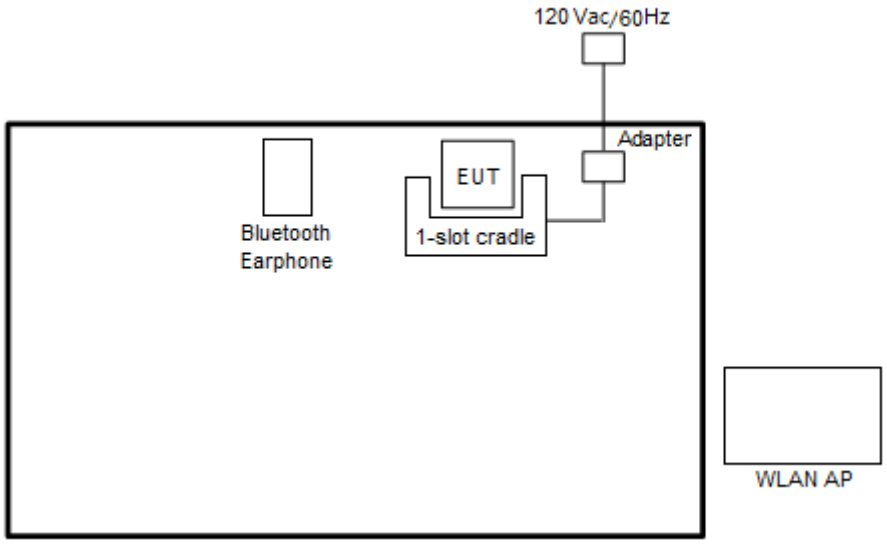
<CDD Mode>



<TXBF Mode>



<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	MSQ-RTAC66U	N/A	Unshielded, 1.8m
3.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2m DC O/P: Shielded, 1.8m
4.	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
5.	Notebook	Lenovo	G480	PPD-AR5895	N/A	AC Non-Shielded, 1.8m

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT” 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, utility “QRCT” 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.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup

3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Test Engineer :	Derek Hsu, Shiming Liu, and An An Wu	Temperature :	21~25℃
		Relative Humidity :	51~54%

<CDD Mode>

Band I												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	36	5180	17.05	17.55	28.35	33.15	-		22.32	22.44
11a	6Mbps	1	44	5220	17.15	17.45	28.70	29.65	-		22.34	22.42
11a	6Mbps	1	48	5240	17.15	17.20	28.80	29.90	-		22.34	22.36
HT20	MCS0	1	36	5180	18.00	18.25	28.15	29.70	-		22.55	22.61
HT20	MCS0	1	44	5220	18.05	18.15	28.25	28.85	-		22.56	22.59
HT20	MCS0	1	48	5240	18.05	18.10	28.80	29.15	-		22.56	22.58
HT40	MCS0	1	38	5190	36.60	36.80	42.12	48.13	-		23.01	23.01
HT40	MCS0	1	46	5230	36.90	36.70	47.52	42.53	-		23.01	23.01
VHT80	MCS0	1	42	5210	76.92	**77.04**	83.20	**95.80**	-		23.01	23.01
11a	6Mbps	2	36	5180	16.75	16.75	24.75	25.50	-		22.24	
11a	6Mbps	2	44	5220	16.75	16.75	25.25	24.80	-		22.24	
11a	6Mbps	2	48	5240	16.70	16.80	25.00	25.30	-		22.23	
HT20	MCS0	2	36	5180	17.85	17.90	25.75	25.20	-		22.52	
HT20	MCS0	2	44	5220	17.85	17.90	25.60	26.25	-		22.52	
HT20	MCS0	2	48	5240	17.85	17.90	25.85	25.80	-		22.52	
HT40	MCS0	2	38	5190	36.60	36.60	41.86	42.35	-		23.01	
HT40	MCS0	2	46	5230	36.60	36.60	41.94	42.02	-		23.01	
VHT80	MCS0	2	42	5210	76.92	76.68	83.20	83.67	-		23.01	

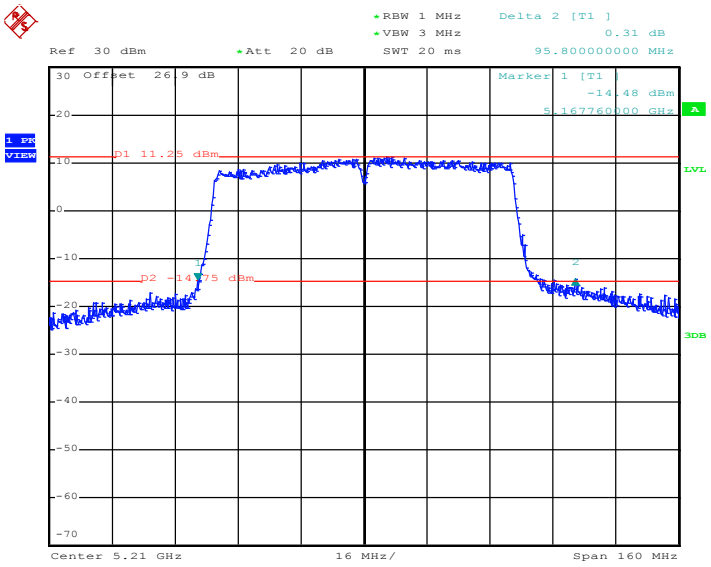
Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	52	5260	17.05	17.15	28.40	29.00	23.32	23.34	29.32	29.34	23.98	23.98
11a	6Mbps	1	60	5300	17.20	17.05	28.79	29.15	23.36	23.32	29.36	29.32	23.98	23.98
11a	6Mbps	1	64	5320	17.10	16.95	28.15	28.00	23.33	23.29	29.33	29.29	23.98	23.98
HT20	MCS0	1	52	5260	18.05	18.35	28.05	30.15	23.56	23.64	29.56	29.64	23.98	23.98
HT20	MCS0	1	60	5300	18.05	18.15	28.10	28.95	23.56	23.59	29.56	29.59	23.98	23.98
HT20	MCS0	1	64	5320	18.10	18.00	27.50	29.30	23.58	23.55	29.58	29.55	23.98	23.98
HT40	MCS0	1	54	5270	36.80	36.90	46.14	52.92	23.98	23.98	30.00	30.00	23.98	23.98
HT40	MCS0	1	62	5310	36.90	36.80	49.44	50.22	23.98	23.98	30.00	30.00	23.98	23.98
VHT80	MCS0	1	58	5290	76.80	**77.28**	84.16	**86.28**	23.98	23.98	30.00	30.00	23.98	23.98
11a	6Mbps	2	52	5260	16.75	16.80	24.60	25.20	23.24		29.24		23.98	
11a	6Mbps	2	60	5300	16.85	16.75	25.60	25.05	23.24		29.24		23.98	
11a	6Mbps	2	64	5320	16.75	16.75	25.05	25.25	23.24		29.24		23.98	
HT20	MCS0	2	52	5260	17.95	17.95	25.95	26.30	23.54		29.54		23.98	
HT20	MCS0	2	60	5300	17.90	17.85	25.85	26.15	23.52		29.52		23.98	
HT20	MCS0	2	64	5320	17.85	17.90	26.10	26.05	23.52		29.52		23.98	
HT40	MCS0	2	54	5270	36.50	36.50	42.35	42.30	23.98		30.00		23.98	
HT40	MCS0	2	62	5310	36.70	36.50	42.38	42.53	23.98		30.00		23.98	
VHT80	MCS0	2	58	5290	76.92	76.80	84.16	84.80	23.98		30.00		23.98	

Band III																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.80	16.90	26.10	27.30	23.25	23.28	29.25	29.28	23.98	23.98	----	----
11a	6Mbps	1	116	5580	16.70	16.90	25.25	27.25	23.23	23.28	29.23	29.28	23.98	23.98	----	----
11a	6Mbps	1	140	5700	16.80	16.90	26.80	26.00	23.25	23.28	29.25	29.28	23.98	23.98	----	----
11a	6Mbps	1	144	5720	13.50	13.50	18.35	18.00	22.30	22.30	28.30	28.30	23.64	23.55	2.85	2.55
HT20	MCS0	1	100	5500	18.00	17.95	28.55	27.60	23.55	23.54	29.55	29.54	23.98	23.98	----	----
HT20	MCS0	1	116	5580	17.95	18.05	27.35	26.90	23.54	23.56	29.54	29.56	23.98	23.98	----	----
HT20	MCS0	1	140	5700	17.90	18.00	25.40	27.80	23.53	23.55	29.53	29.55	23.98	23.98	----	----
HT20	MCS0	1	144	5720	14.00	14.05	18.75	18.90	22.46	22.48	28.46	28.48	23.73	23.76	2.85	3.35
HT40	MCS0	1	102	5510	36.60	36.70	42.53	42.30	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	110	5550	36.70	36.60	42.12	42.40	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	134	5670	36.60	36.60	42.30	42.56	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	142	5710	33.30	33.40	36.15	36.24	23.98	23.98	30.00	30.00	23.98	23.98	2.91	2.74
VHT80	MCS0	1	106	5530	76.92	76.92	**86.88**	84.48	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	122	5610	76.92	**77.16**	85.44	83.20	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	138	5690	73.52	73.52	77.24	76.92	23.98	23.98	30.00	30.00	23.98	23.98	2.6	2.6

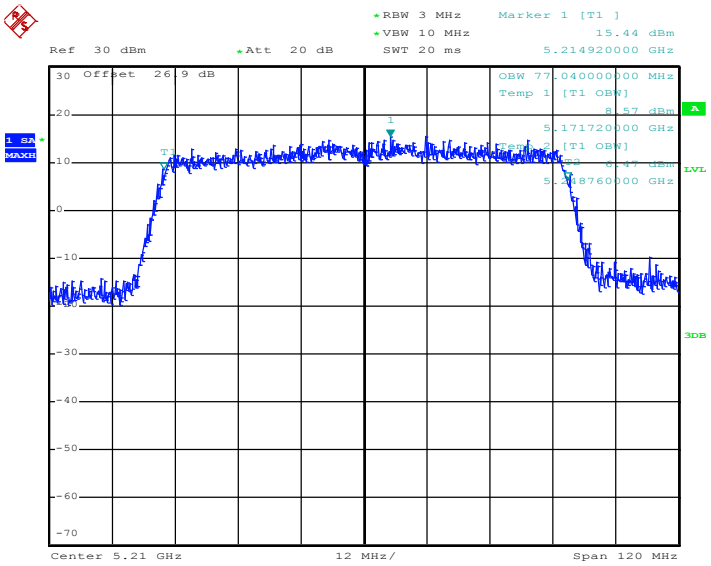
Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.75	16.70	25.00	25.15	23.23		29.23		23.98		----	----
11a	6Mbps	2	116	5580	16.75	16.70	24.40	25.05	23.23		29.23		23.98		----	----
11a	6Mbps	2	140	5700	16.70	16.70	24.55	25.20	23.23		29.23		23.98		----	----
11a	6Mbps	2	144	5720	13.40	13.40	17.15	17.25	22.27		28.27		23.34		3.15	2.85
HT20	MCS0	2	100	5500	17.90	17.85	25.16	26.10	23.52		29.52		23.98		----	----
HT20	MCS0	2	116	5580	17.85	17.80	25.70	25.75	23.50		29.50		23.98		----	----
HT20	MCS0	2	140	5700	17.90	17.85	24.90	25.95	23.52		29.52		23.98		----	----
HT20	MCS0	2	144	5720	13.95	13.95	17.30	17.85	22.45		28.45		23.38		2.9	3.35
HT40	MCS0	2	102	5510	36.50	36.50	42.12	42.12	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.60	36.60	41.94	42.48	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.60	36.50	42.12	42.48	23.98		30.00		23.98		----	----
HT40	MCS0	2	142	5710	33.30	33.40	36.06	36.24	23.98		30.00		23.98		3.18	3.1
VHT80	MCS0	2	106	5530	76.92	76.92	83.84	83.20	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.92	76.92	83.52	84.16	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	73.64	73.52	76.76	76.92	23.98		30.00		23.98		2.6	2.6

<CDD Mode>

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

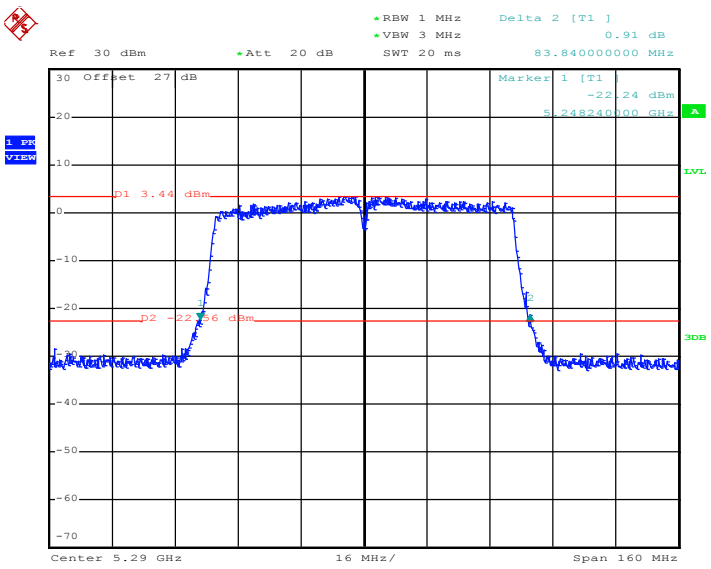
<TXBF Modes>

Band I												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
VHT20	MCS0	2	36	5180	17.70	18.35	24.06	26.70	-		22.48	
VHT20	MCS0	2	44	5220	17.70	18.35	23.16	26.70	-		22.48	
VHT20	MCS0	2	48	5240	17.70	18.40	23.70	27.48	-		22.48	
VHT40	MCS0	2	38	5190	36.60	36.50	42.12	41.85	-		23.01	
VHT40	MCS0	2	46	5230	36.60	36.60	41.76	42.57	-		23.01	
VHT80	MCS0	2	42	5210	**77.40**	77.16	81.76	**83.20**	-		23.01	

Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
					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	17.70	18.25	23.39	28.02	23.48		29.48		23.98	
VHT20	MCS0	2	60	5300	17.75	18.40	23.22	27.78	23.49		29.49		23.98	
VHT20	MCS0	2	64	5320	17.70	18.35	23.58	27.24	23.48		29.48		23.98	
VHT40	MCS0	2	54	5270	36.60	18.20	41.04	42.21	23.60		29.60		23.98	
VHT40	MCS0	2	62	5310	36.60	36.60	41.22	41.94	23.98		30.00		23.98	
VHT80	MCS0	2	58	5290	**77.04**	76.92	81.28	**83.84**	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	17.70	18.20	23.14	27.98	23.48		29.48		23.98		----	----
VHT20	MCS0	2	116	5580	17.75	18.45	23.28	26.46	23.49		29.49		23.98		----	----
VHT20	MCS0	2	140	5700	17.70	18.75	23.22	27.48	23.48		29.48		23.98		----	----
VHT20	MCS0	2	144	5720	13.85	14.15	16.76	18.20	22.41		28.41		23.24		2.56	3.8
VHT40	MCS0	2	102	5510	36.50	36.70	42.57	42.12	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.60	36.70	41.67	42.48	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.50	36.50	41.40	41.94	23.98		30.00		23.98		----	----
VHT40	MCS0	2	142	5710	33.50	33.30	36.42	36.24	23.98		30.00		23.98		2.52	3.16
VHT80	MCS0	2	106	5530	77.16	**77.40**	81.28	**83.52**	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	77.04	77.16	81.92	**83.52**	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	73.40	73.64	75.96	77.24	23.98		30.00		23.98		0.04	2.6

Maximum 26dB Bandwidth



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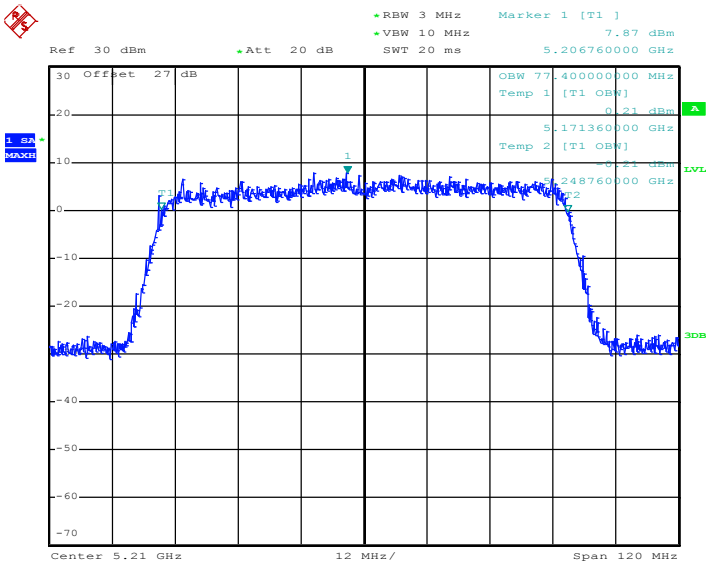
Maximum 99% Occupied Bandwidth



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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

<CDD Modes>

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

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.

<TXBF Modes>

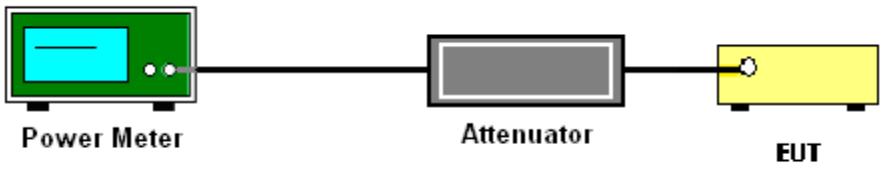
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Test Engineer :	Derek Hsu, Shiming Liu, and An An Wu	Temperature :	21~25℃
		Relative Humidity :	51~54%

<CDD Mode>

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		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	0.21	0.21	19.66	19.79		24.00	24.00	3.89	3.69	Pass
11a	6Mbps	1	44	5220	0.21	0.21	19.76	19.61		24.00	24.00	3.89	3.69	Pass
11a	6Mbps	1	48	5240	0.21	0.21	19.77	**19.94**		24.00	24.00	3.89	3.69	Pass
HT20	MCS0	1	36	5180	0.22	0.22	19.38	19.48		24.00	24.00	3.89	3.69	Pass
HT20	MCS0	1	44	5220	0.22	0.22	19.31	19.39		24.00	24.00	3.89	3.69	Pass
HT20	MCS0	1	48	5240	0.22	0.22	19.35	19.33		24.00	24.00	3.89	3.69	Pass
HT40	MCS0	1	38	5190	0.40	0.41	15.13	19.55		24.00	24.00	3.89	3.69	Pass
HT40	MCS0	1	46	5230	0.40	0.41	19.86	19.59		24.00	24.00	3.89	3.69	Pass
VHT20	MCS0	1	36	5180	0.20	0.22	19.32	19.43		24.00	24.00	3.89	3.69	Pass
VHT20	MCS0	1	44	5220	0.20	0.22	19.23	19.34		24.00	24.00	3.89	3.69	Pass
VHT20	MCS0	1	48	5240	0.20	0.22	19.30	19.30		24.00	24.00	3.89	3.69	Pass
VHT40	MCS0	1	38	5190	0.44	0.44	15.12	19.52		24.00	24.00	3.89	3.69	Pass
VHT40	MCS0	1	46	5230	0.44	0.44	19.83	19.55		24.00	24.00	3.89	3.69	Pass
VHT80	MCS0	1	42	5210	0.50	0.45	15.69	19.35		24.00	24.00	3.89	3.69	Pass

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	0.21	0.19	16.99	16.75	19.88	24.00		3.89		Pass
11a	6Mbps	2	44	5220	0.21	0.19	16.96	16.81	19.89	24.00		3.89		Pass
11a	6Mbps	2	48	5240	0.21	0.19	16.98	16.79	19.89	24.00		3.89		Pass
HT20	MCS0	2	36	5180	0.22	0.22	16.77	16.76	19.78	24.00		3.89		Pass
HT20	MCS0	2	44	5220	0.22	0.22	16.99	16.79	19.90	24.00		3.89		Pass
HT20	MCS0	2	48	5240	0.22	0.22	16.97	16.73	19.87	24.00		3.89		Pass
HT40	MCS0	2	38	5190	0.44	0.40	14.49	14.27	17.39	24.00		3.89		Pass
HT40	MCS0	2	46	5230	0.44	0.40	16.99	16.88	**19.95**	24.00		3.89		Pass
VHT20	MCS0	2	36	5180	0.20	0.22	16.70	16.62	19.67	24.00		3.89		Pass
VHT20	MCS0	2	44	5220	0.20	0.22	16.71	16.69	19.71	24.00		3.89		Pass
VHT20	MCS0	2	48	5240	0.20	0.22	16.70	16.66	19.69	24.00		3.89		Pass
VHT40	MCS0	2	38	5190	0.40	0.44	14.40	14.24	17.33	24.00		3.89		Pass
VHT40	MCS0	2	46	5230	0.40	0.44	16.90	16.84	19.88	24.00		3.89		Pass
VHT80	MCS0	2	42	5210	0.56	0.56	11.49	11.32	14.41	24.00		3.89		Pass

FCC Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.21	0.21	19.88	**19.98**		23.98	23.98	3.05	3.76	30	Pass
11a	6Mbps	1	60	5300	0.21	0.21	19.95	19.95		23.98	23.98	3.05	3.76	30	Pass
11a	6Mbps	1	64	5320	0.21	0.21	19.94	19.41		23.98	23.98	3.05	3.76	30	Pass
HT20	MCS0	1	52	5260	0.22	0.22	19.23	19.44		23.98	23.98	3.05	3.76	30	Pass
HT20	MCS0	1	60	5300	0.22	0.22	19.31	19.39		23.98	23.98	3.05	3.76	30	Pass
HT20	MCS0	1	64	5320	0.22	0.22	19.42	19.33		23.98	23.98	3.05	3.76	30	Pass
HT40	MCS0	1	54	5270	0.40	0.41	19.93	19.84		23.98	23.98	3.05	3.76	30	Pass
HT40	MCS0	1	62	5310	0.40	0.41	19.82	19.81		23.98	23.98	3.05	3.76	30	Pass
VHT20	MCS0	1	52	5260	0.20	0.22	19.16	19.40		23.98	23.98	3.05	3.76	30	Pass
VHT20	MCS0	1	60	5300	0.20	0.22	19.20	19.29		23.98	23.98	3.05	3.76	30	Pass
VHT20	MCS0	1	64	5320	0.20	0.22	19.36	19.25		23.98	23.98	3.05	3.76	30	Pass
VHT40	MCS0	1	54	5270	0.44	0.44	19.89	19.74		23.98	23.98	3.05	3.76	30	Pass
VHT40	MCS0	1	62	5310	0.44	0.44	19.79	19.69		23.98	23.98	3.05	3.76	30	Pass
VHT80	MCS0	1	58	5290	0.50	0.45	15.40	19.26		23.98	23.98	3.05	3.76	30	Pass
11a	6Mbps	2	52	5260	0.21	0.19	16.93	16.87	19.91	23.98		3.76		30	Pass
11a	6Mbps	2	60	5300	0.21	0.19	16.89	16.71	19.81	23.98		3.76		30	Pass
11a	6Mbps	2	64	5320	0.21	0.19	16.92	16.76	19.85	23.98		3.76		30	Pass
HT20	MCS0	2	52	5260	0.22	0.22	16.84	16.78	19.82	23.98		3.76		30	Pass
HT20	MCS0	2	60	5300	0.22	0.22	16.91	16.70	19.82	23.98		3.76		30	Pass
HT20	MCS0	2	64	5320	0.22	0.22	16.88	16.67	19.79	23.98		3.76		30	Pass
HT40	MCS0	2	54	5270	0.44	0.40	16.97	16.86	**19.93**	23.98		3.76		30	Pass
HT40	MCS0	2	62	5310	0.44	0.40	14.45	14.38	17.43	23.98		3.76		30	Pass
VHT20	MCS0	2	52	5260	0.20	0.22	16.68	16.68	19.69	23.98		3.76		30	Pass
VHT20	MCS0	2	60	5300	0.20	0.22	16.69	16.62	19.67	23.98		3.76		30	Pass
VHT20	MCS0	2	64	5320	0.20	0.22	16.70	16.57	19.65	23.98		3.76		30	Pass
VHT40	MCS0	2	54	5270	0.40	0.44	16.85	16.79	19.83	23.98		3.76		30	Pass
VHT40	MCS0	2	62	5310	0.40	0.44	14.30	14.31	17.32	23.98		3.76		30	Pass
VHT80	MCS0	2	58	5290	0.56	0.56	9.31	9.22	12.27	23.98		3.76		30	Pass

FCC Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.21	0.21	20.15	20.29		23.98	23.98	3.93	3.97	30	Pass
11a	6Mbps	1	116	5580	0.21	0.21	20.13	20.18		23.98	23.98	3.93	3.97	30	Pass
11a	6Mbps	1	140	5700	0.21	0.21	20.29	20.01		23.98	23.98	3.93	3.97	30	Pass
11a	6Mbps	1	144	5720	0.21	0.21	**20.49**	20.00		23.64	23.55	3.93	3.97	30	Pass
HT20	MCS0	1	100	5500	0.22	0.22	20.30	20.17		23.98	23.98	3.93	3.97	30	Pass
HT20	MCS0	1	116	5580	0.22	0.22	20.28	20.10		23.98	23.98	3.93	3.97	30	Pass
HT20	MCS0	1	140	5700	0.22	0.22	14.27	20.22		23.98	23.98	3.93	3.97	30	Pass
HT20	MCS0	1	144	5720	0.22	0.22	20.02	20.20		23.73	23.76	3.93	3.97	30	Pass
HT40	MCS0	1	102	5510	0.40	0.41	20.32	20.39		23.98	23.98	3.93	3.97	30	Pass
HT40	MCS0	1	110	5550	0.40	0.41	20.25	20.37		23.98	23.98	3.93	3.97	30	Pass
HT40	MCS0	1	134	5670	0.40	0.41	20.20	20.31		23.98	23.98	3.93	3.97	30	Pass
HT40	MCS0	1	142	5710	0.40	0.41	20.18	20.27		23.98	23.98	3.93	3.97	30	Pass
VHT20	MCS0	1	100	5500	0.20	0.22	20.27	20.16		23.98	23.98	3.93	3.97	30	Pass
VHT20	MCS0	1	116	5580	0.20	0.22	20.25	20.07		23.98	23.98	3.93	3.97	30	Pass
VHT20	MCS0	1	140	5700	0.20	0.22	14.22	20.21		23.98	23.98	3.93	3.97	30	Pass
VHT20	MCS0	1	144	5720	0.20	0.22	20.01	20.17		23.73	23.76	3.93	3.97	30	Pass
VHT40	MCS0	1	102	5510	0.44	0.44	20.26	20.36		23.98	23.98	3.93	3.97	30	Pass
VHT40	MCS0	1	110	5550	0.44	0.44	20.24	20.32		23.98	23.98	3.93	3.97	30	Pass
VHT40	MCS0	1	134	5670	0.44	0.44	20.16	20.28		23.98	23.98	3.93	3.97	30	Pass
VHT40	MCS0	1	142	5710	0.44	0.44	20.14	20.24		23.98	23.98	3.93	3.97	30	Pass
VHT80	MCS0	1	106	5530	0.50	0.45	20.15	20.25		23.98	23.98	3.93	3.97	30	Pass
VHT80	MCS0	1	122	5610	0.50	0.45	20.03	20.15		23.98	23.98	3.93	3.97	30	Pass
VHT80	MCS0	1	138	5690	0.50	0.45	20.02	20.10		23.98	23.98	3.93	3.97	30	Pass

FCC Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.21	0.19	17.49	17.30	20.40	23.98		3.97		30	Pass
11a	6Mbps	2	116	5580	0.21	0.19	17.47	17.06	20.28	23.98		3.97		30	Pass
11a	6Mbps	2	140	5700	0.21	0.19	17.49	17.22	20.37	23.98		3.97		30	Pass
11a	6Mbps	2	144	5720	0.21	0.19	17.48	17.15	20.33	23.34		3.97		30	Pass
HT20	MCS0	2	100	5500	0.22	0.22	17.48	17.26	20.39	23.98		3.97		30	Pass
HT20	MCS0	2	116	5580	0.22	0.22	17.08	16.64	19.88	23.98		3.97		30	Pass
HT20	MCS0	2	140	5700	0.22	0.22	14.45	13.93	17.21	23.98		3.97		30	Pass
HT20	MCS0	2	144	5720	0.22	0.22	17.49	17.03	20.28	23.38		3.97		30	Pass
HT40	MCS0	2	102	5510	0.44	0.40	17.32	17.01	20.18	23.98		3.97		30	Pass
HT40	MCS0	2	110	5550	0.44	0.40	17.25	17.05	20.16	23.98		3.97		30	Pass
HT40	MCS0	2	134	5670	0.44	0.40	17.38	17.04	20.23	23.98		3.97		30	Pass
HT40	MCS0	2	142	5710	0.44	0.40	17.36	17.01	20.20	23.98		3.97		30	Pass
VHT20	MCS0	2	100	5500	0.20	0.22	17.24	16.63	19.96	23.98		3.97		30	Pass
VHT20	MCS0	2	116	5580	0.20	0.22	17.04	16.56	19.82	23.98		3.97		30	Pass
VHT20	MCS0	2	140	5700	0.20	0.22	14.30	13.87	17.10	23.98		3.97		30	Pass
VHT20	MCS0	2	144	5720	0.20	0.22	17.48	16.93	20.23	23.38		3.97		30	Pass
VHT40	MCS0	2	102	5510	0.40	0.44	17.20	16.94	20.08	23.98		3.97		30	Pass
VHT40	MCS0	2	110	5550	0.40	0.44	17.25	16.99	20.13	23.98		3.97		30	Pass
VHT40	MCS0	2	134	5670	0.40	0.44	17.30	16.98	20.16	23.98		3.97		30	Pass
VHT40	MCS0	2	142	5710	0.40	0.44	17.25	16.94	20.11	23.98		3.97		30	Pass
VHT80	MCS0	2	106	5530	0.56	0.56	15.51	15.10	18.32	23.98		3.97		30	Pass
VHT80	MCS0	2	122	5610	0.56	0.56	17.48	17.15	20.33	23.98		3.97		30	Pass
VHT80	MCS0	2	138	5690	0.56	0.56	17.49	17.37	**20.44**	23.98		3.97		30	Pass

<TXBF Mode>

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		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	15.20	16.80	19.08	23.20		6.80		Pass
VHT20	MCS0	2	44	5220	0.00	0.00	15.30	16.80	19.12	23.20		6.80		Pass
VHT20	MCS0	2	48	5240	0.00	0.00	15.20	16.70	19.02	23.20		6.80		Pass
VHT40	MCS0	2	38	5190	0.00	0.00	13.70	14.80	17.30	23.20		6.80		Pass
VHT40	MCS0	2	46	5230	0.00	0.00	15.70	16.70	**19.24**	23.20		6.80		Pass
VHT80	MCS0	2	42	5210	0.00	0.00	11.00	11.30	14.16	23.20		6.80		Pass

FCC Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	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	15.10	16.80	19.04	23.56		6.42		30	Pass
VHT20	MCS0	2	60	5300	0.00	0.00	15.10	16.70	18.98	23.56		6.42		30	Pass
VHT20	MCS0	2	64	5320	0.00	0.00	15.20	16.80	19.08	23.56		6.42		30	Pass
VHT40	MCS0	2	54	5270	0.00	0.00	15.80	16.70	**19.28**	23.56		6.42		30	Pass
VHT40	MCS0	2	62	5310	0.00	0.00	13.70	14.80	17.30	23.56		6.42		30	Pass
VHT80	MCS0	2	58	5290	0.00	0.00	10.80	10.70	13.76	23.56		6.42		30	Pass

FCC Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	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	14.80	16.50	18.74	23.02		6.96		30	Pass
VHT20	MCS0	2	116	5580	0.00	0.00	14.60	16.40	18.60	23.02		6.96		30	Pass
VHT20	MCS0	2	140	5700	0.00	0.00	15.20	16.90	19.14	23.02		6.96		30	Pass
VHT20	MCS0	2	144	5720	0.00	0.00	15.10	16.90	19.10	22.28		6.96		30	Pass
VHT40	MCS0	2	102	5510	0.00	0.00	16.30	17.40	19.90	23.02		6.96		30	Pass
VHT40	MCS0	2	110	5550	0.00	0.00	16.30	17.30	19.84	23.02		6.96		30	Pass
VHT40	MCS0	2	134	5670	0.00	0.00	16.40	17.30	19.88	23.02		6.96		30	Pass
VHT40	MCS0	2	142	5710	0.00	0.00	16.50	17.30	19.93	23.02		6.96		30	Pass
VHT80	MCS0	2	106	5530	0.00	0.00	15.60	15.70	18.66	23.02		6.96		30	Pass
VHT80	MCS0	2	122	5610	0.00	0.00	17.30	17.40	**20.36**	23.02		6.96		30	Pass
VHT80	MCS0	2	138	5690	0.00	0.00	17.10	17.40	20.26	23.02		6.96		30	Pass

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

<CDD Modes>

 # Method SA-2 #

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

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

<TXBF Modes>

 # Method SA-3 #

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

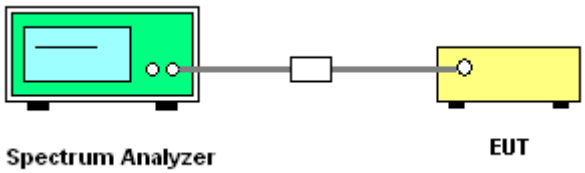
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (a): Measure and sum the spectra across the outputs.

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Test Engineer :	Derek Hsu, Shiming Liu, and An An Wu	Temperature :	21~25℃
		Relative Humidity :	51~54%

<CDD Mode>

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.21	0.21	8.65	8.47		11.00	11.00	3.89	3.69	Pass
11a	6Mbps	1	44	5220	0.21	0.21	8.94	8.61		11.00	11.00	3.89	3.69	Pass
11a	6Mbps	1	48	5240	0.21	0.21	8.91	**9.31**		11.00	11.00	3.89	3.69	Pass
HT20	MCS0	1	36	5180	0.22	0.22	7.85	7.74		11.00	11.00	3.89	3.69	Pass
HT20	MCS0	1	44	5220	0.22	0.22	8.04	7.91		11.00	11.00	3.89	3.69	Pass
HT20	MCS0	1	48	5240	0.22	0.22	8.05	7.80		11.00	11.00	3.89	3.69	Pass
HT40	MCS0	1	38	5190	0.40	0.41	1.42	5.69		11.00	11.00	3.89	3.69	Pass
HT40	MCS0	1	46	5230	0.40	0.41	5.95	5.28		11.00	11.00	3.89	3.69	Pass
VHT80	MCS0	1	42	5210	0.50	0.45	-1.26	2.10		11.00	11.00	3.89	3.69	Pass
11a	6Mbps	2	36	5180	0.21	0.19			8.54	10.20		6.80		Pass
11a	6Mbps	2	44	5220	0.21	0.19			8.78	10.20		6.80		Pass
11a	6Mbps	2	48	5240	0.21	0.19			**8.90**	10.20		6.80		Pass
HT20	MCS0	2	36	5180	0.22	0.22			8.01	10.20		6.80		Pass
HT20	MCS0	2	44	5220	0.22	0.22			8.53	10.20		6.80		Pass
HT20	MCS0	2	48	5240	0.22	0.22			8.54	10.20		6.80		Pass
HT40	MCS0	2	38	5190	0.44	0.40			3.30	10.20		6.80		Pass
HT40	MCS0	2	46	5230	0.44	0.40			5.92	10.20		6.80		Pass
VHT80	MCS0	2	42	5210	0.56	0.56			-2.83	10.20		6.80		Pass

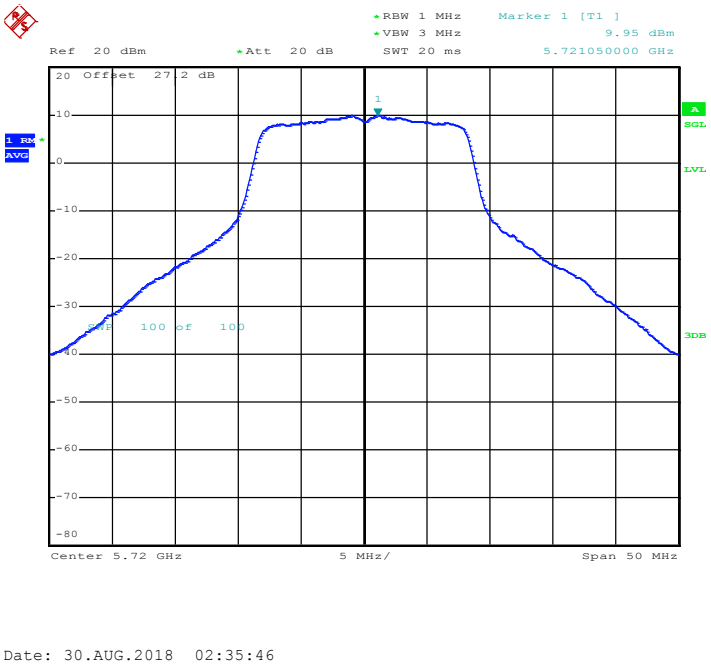
Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	0.21	0.21	8.91	**9.26**		11.00	11.00	3.05	3.76	Pass
11a	6Mbps	1	60	5300	0.21	0.21	8.81	9.01		11.00	11.00	3.05	3.76	Pass
11a	6Mbps	1	64	5320	0.21	0.21	8.89	8.17		11.00	11.00	3.05	3.76	Pass
HT20	MCS0	1	52	5260	0.22	0.22	7.90	8.27		11.00	11.00	3.05	3.76	Pass
HT20	MCS0	1	60	5300	0.22	0.22	7.82	8.14		11.00	11.00	3.05	3.76	Pass
HT20	MCS0	1	64	5320	0.22	0.22	8.00	7.81		11.00	11.00	3.05	3.76	Pass
HT40	MCS0	1	54	5270	0.40	0.41	5.71	5.56		11.00	11.00	3.05	3.76	Pass
HT40	MCS0	1	62	5310	0.40	0.41	5.71	5.27		11.00	11.00	3.05	3.76	Pass
VHT80	MCS0	1	58	5290	0.50	0.45	-2.37	1.61		11.00	11.00	3.05	3.76	Pass
11a	6Mbps	2	52	5260	0.21	0.19			**8.95**	10.58		6.42		Pass
11a	6Mbps	2	60	5300	0.21	0.19			8.73	10.58		6.42		Pass
11a	6Mbps	2	64	5320	0.21	0.19			8.74	10.58		6.42		Pass
HT20	MCS0	2	52	5260	0.22	0.22			8.53	10.58		6.42		Pass
HT20	MCS0	2	60	5300	0.22	0.22			8.11	10.58		6.42		Pass
HT20	MCS0	2	64	5320	0.22	0.22			8.25	10.58		6.42		Pass
HT40	MCS0	2	54	5270	0.44	0.40			5.60	10.58		6.42		Pass
HT40	MCS0	2	62	5310	0.44	0.40			2.65	10.58		6.42		Pass
VHT80	MCS0	2	58	5290	0.56	0.56			-5.36	10.58		6.42		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	0.21	0.21	9.04	9.03		11.00	11.00	3.93	3.97	Pass
11a	6Mbps	1	116	5580	0.21	0.21	9.50	9.07		11.00	11.00	3.93	3.97	Pass
11a	6Mbps	1	140	5700	0.21	0.21	9.75	9.36		11.00	11.00	3.93	3.97	Pass
11a	6Mbps	1	144	5720	0.21	0.21	**10.16**	9.57		11.00	11.00	3.93	3.97	Pass
HT20	MCS0	1	100	5500	0.22	0.22	8.90	8.49		11.00	11.00	3.93	3.97	Pass
HT20	MCS0	1	116	5580	0.22	0.22	8.95	8.61		11.00	11.00	3.93	3.97	Pass
HT20	MCS0	1	140	5700	0.22	0.22	3.66	9.28		11.00	11.00	3.93	3.97	Pass
HT20	MCS0	1	144	5720	0.22	0.22	9.10	9.11		11.00	11.00	3.93	3.97	Pass
HT40	MCS0	1	102	5510	0.40	0.41	7.44	7.48		11.00	11.00	3.93	3.97	Pass
HT40	MCS0	1	110	5550	0.40	0.41	7.86	7.65		11.00	11.00	3.93	3.97	Pass
HT40	MCS0	1	134	5670	0.40	0.41	6.80	6.66		11.00	11.00	3.93	3.97	Pass
HT40	MCS0	1	142	5710	0.40	0.41	6.58	6.79		11.00	11.00	3.93	3.97	Pass
VHT80	MCS0	1	106	5530	0.50	0.45	4.61	4.45		11.00	11.00	3.93	3.97	Pass
VHT80	MCS0	1	122	5610	0.50	0.45	4.25	4.32		11.00	11.00	3.93	3.97	Pass
VHT80	MCS0	1	138	5690	0.50	0.45	3.53	3.45		11.00	11.00	3.93	3.97	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	2	100	5500	0.21	0.19			9.34	10.04		6.96		Pass
11a	6Mbps	2	116	5580	0.21	0.19			9.44	10.04		6.96		Pass
11a	6Mbps	2	140	5700	0.21	0.19			**9.47**	10.04		6.96		Pass
11a	6Mbps	2	144	5720	0.21	0.19			9.35	10.04		6.96		Pass
HT20	MCS0	2	100	5500	0.22	0.22			8.62	10.04		6.96		Pass
HT20	MCS0	2	116	5580	0.22	0.22			8.49	10.04		6.96		Pass
HT20	MCS0	2	140	5700	0.22	0.22			6.13	10.04		6.96		Pass
HT20	MCS0	2	144	5720	0.22	0.22			9.11	10.04		6.96		Pass
HT40	MCS0	2	102	5510	0.44	0.40			6.76	10.04		6.96		Pass
HT40	MCS0	2	110	5550	0.44	0.40			7.08	10.04		6.96		Pass
HT40	MCS0	2	134	5670	0.44	0.40			6.44	10.04		6.96		Pass
HT40	MCS0	2	142	5710	0.44	0.40			6.18	10.04		6.96		Pass
VHT80	MCS0	2	106	5530	0.56	0.56			2.31	10.04		6.96		Pass
VHT80	MCS0	2	122	5610	0.56	0.56			4.13	10.04		6.96		Pass
VHT80	MCS0	2	138	5690	0.56	0.56			3.59	10.04		6.96		Pass

<CDD Modes>

Worst Case Power Density (dBm/MHz)



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

<TXBF Mode>

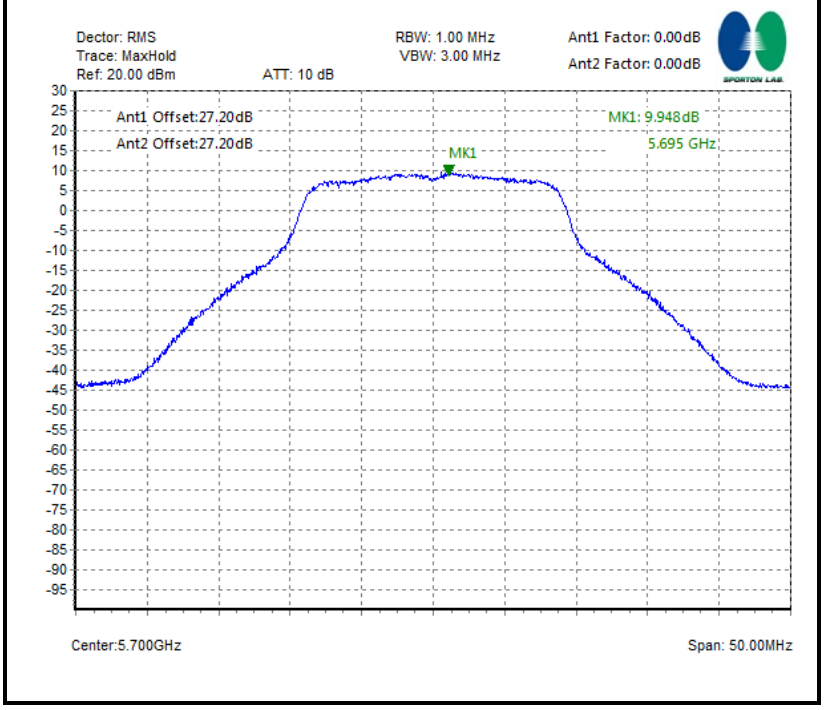
FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	36	5180	0.00	0.00			9.26	10.20		6.80		Pass
VHT20	MCS0	2	44	5220	0.00	0.00			**9.39**	10.20		6.80		Pass
VHT20	MCS0	2	48	5240	0.00	0.00			8.89	10.20		6.80		Pass
VHT40	MCS0	2	38	5190	0.00	0.00			5.34	10.20		6.80		Pass
VHT40	MCS0	2	46	5230	0.00	0.00			7.62	10.20		6.80		Pass
VHT80	MCS0	2	42	5210	0.00	0.00			1.29	10.20		6.80		Pass

Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	52	5260	0.00	0.00			**8.82**	10.58		6.42		Pass
VHT20	MCS0	2	60	5300	0.00	0.00			8.51	10.58		6.42		Pass
VHT20	MCS0	2	64	5320	0.00	0.00			8.54	10.58		6.42		Pass
VHT40	MCS0	2	54	5270	0.00	0.00			7.17	10.58		6.42		Pass
VHT40	MCS0	2	62	5310	0.00	0.00			6.23	10.58		6.42		Pass
VHT80	MCS0	2	58	5290	0.00	0.00			2.27	10.58		6.42		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			9.70	10.04		6.96		Pass
VHT20	MCS0	2	116	5580	0.00	0.00			9.73	10.04		6.96		Pass
VHT20	MCS0	2	140	5700	0.00	0.00			**9.95**	10.04		6.96		Pass
VHT20	MCS0	2	144	5720	0.00	0.00			9.55	10.04		6.96		Pass
VHT40	MCS0	2	102	5510	0.00	0.00			8.12	10.04		6.96		Pass
VHT40	MCS0	2	110	5550	0.00	0.00			8.80	10.04		6.96		Pass
VHT40	MCS0	2	134	5670	0.00	0.00			7.79	10.04		6.96		Pass
VHT40	MCS0	2	142	5710	0.00	0.00			7.28	10.04		6.96		Pass
VHT80	MCS0	2	106	5530	0.00	0.00			6.54	10.04		6.96		Pass
VHT80	MCS0	2	122	5610	0.00	0.00			8.25	10.04		6.96		Pass
VHT80	MCS0	2	138	5690	0.00	0.00			7.07	10.04		6.96		Pass

<TXBF Modes>

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

(ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.[4]

Note 3: An out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit.

Note 4: Only devices with antenna gains of 10 dBi or less may be approved using the emission limits specified in Section 15.247(d) till March 2, 2018; all other devices operating in this band must use the mask specified in Section 15.407(b)(4)(i).

3.4.2 Measuring Instruments

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

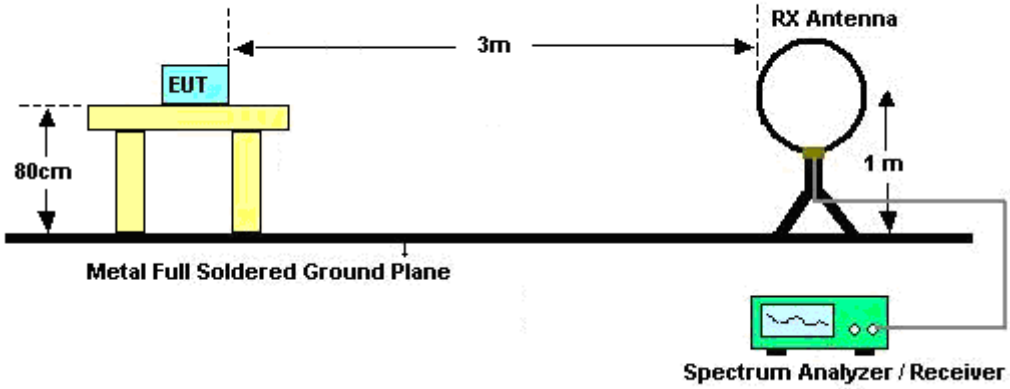
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

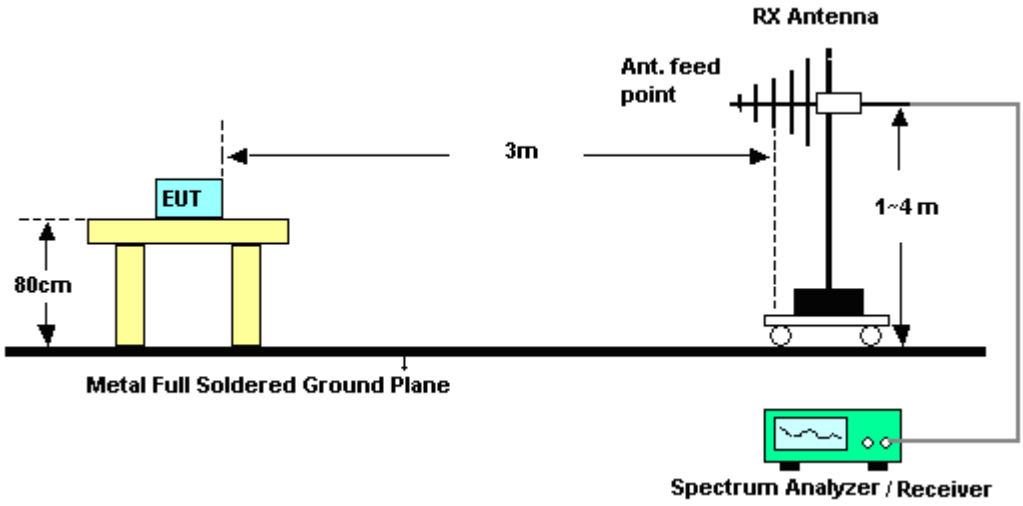
3.4.4 Test Setup

For radiated emissions below 30MHz

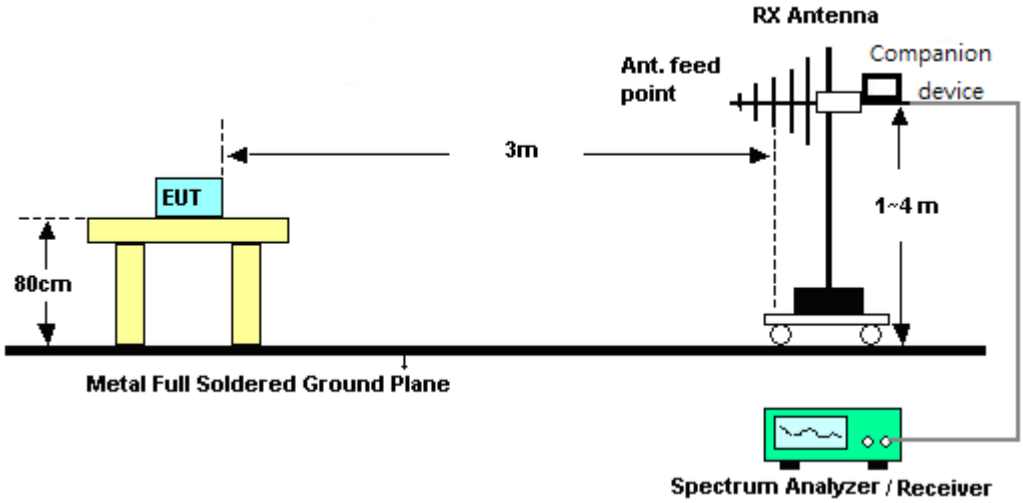


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

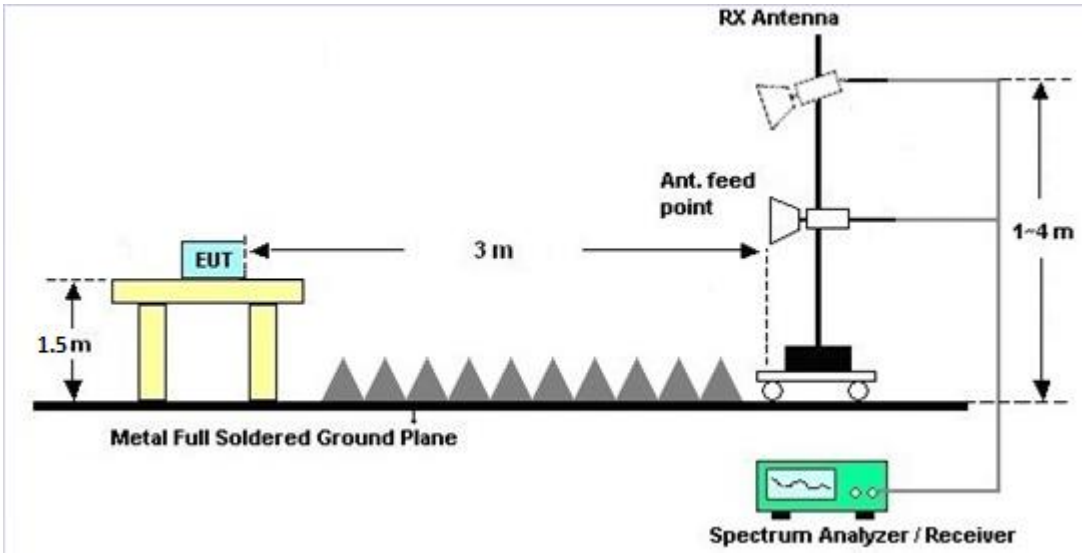


<TXBF Modes>



For radiated emissions above 1GHz

<CDD Mode>



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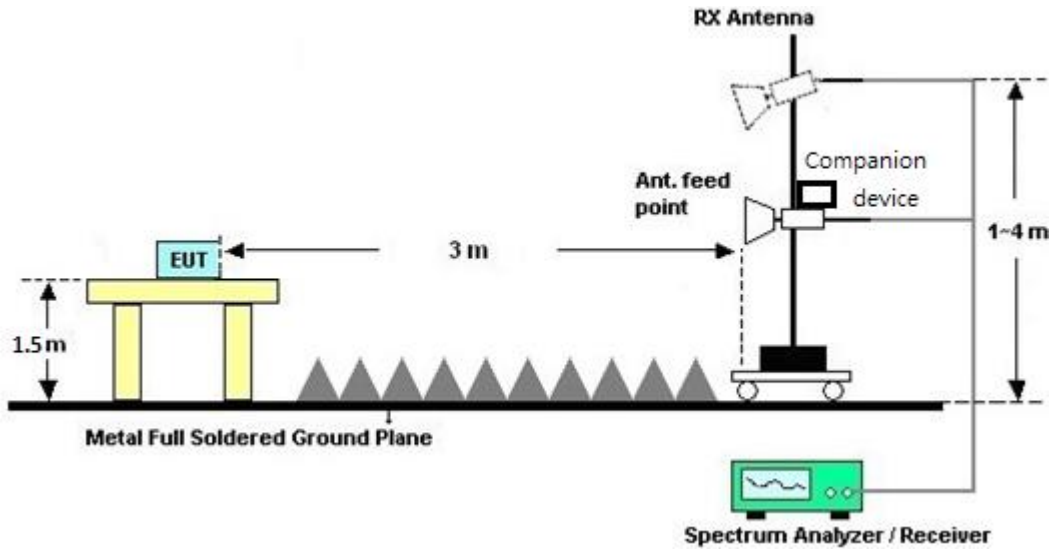


3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

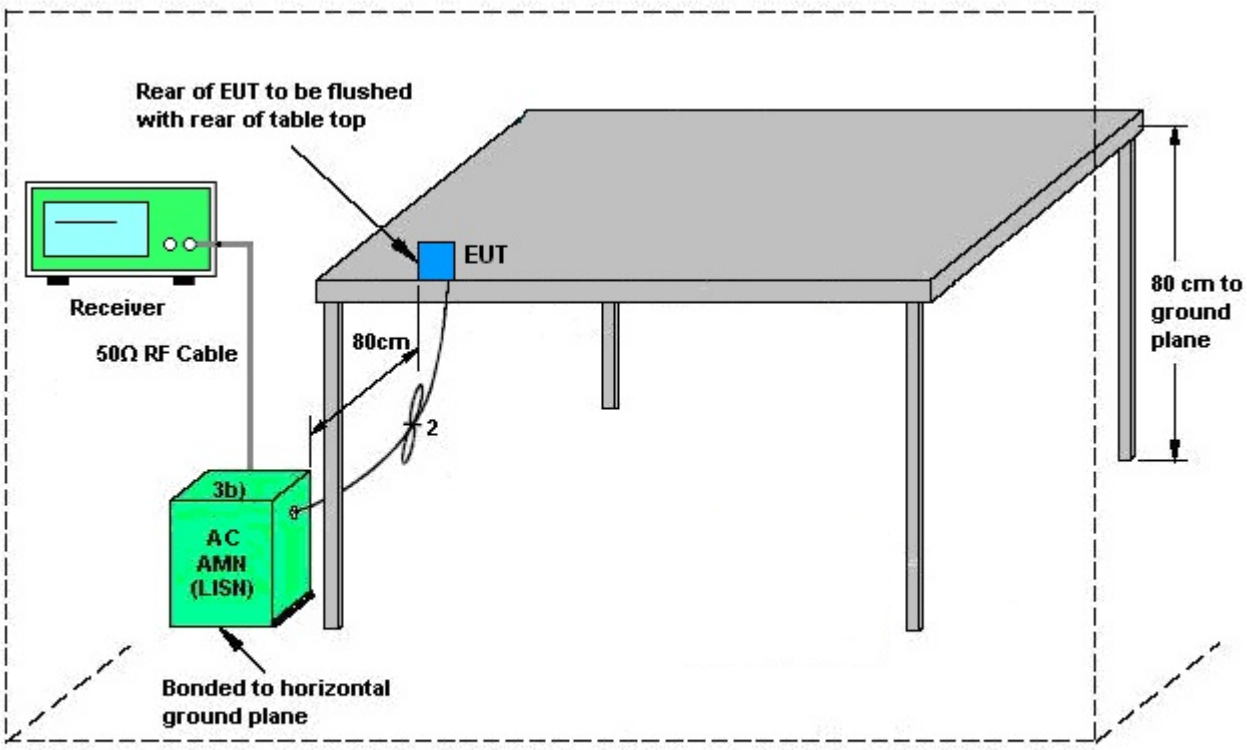
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.89	3.69	3.89	6.80	0.00	0.80
Band II	3.05	3.76	3.76	6.42	0.00	0.42
Band III	3.93	3.97	3.97	6.96	0.00	0.96

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

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

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.89	3.69	6.80	6.80	0.80	0.80
Band II	3.05	3.76	6.42	6.42	0.42	0.42
Band III	3.93	3.97	6.96	6.96	0.96	0.96

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

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

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	N/A	Sep. 26, 2017	Jun. 07, 2018~ Sep. 08, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 26, 2017	Jun. 07, 2018~ Sep. 08, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz ~ 30GHz	Nov. 13, 2017	Jun. 07, 2018~ Sep. 08, 2018	Nov. 12, 2018	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890001	1V~20V 0.5A~4A	Oct. 06, 2017	Jun. 07, 2018~ Sep. 08, 2018	Oct. 05, 2018	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Mar. 01, 2018	Jun. 07, 2018~ Sep. 08, 2018	Feb. 28, 2019	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 04, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Dec. 08, 2017	Aug. 04, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Aug. 04, 2018	Nov. 29, 2018	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Aug. 04, 2018	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Aug. 04, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Aug. 04, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Jun. 29, 2018	Aug. 18, 2018 ~ Sep. 05, 2018	Jun. 28, 2019	Radiation (03CH13-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Nov. 10, 2017	Aug. 18, 2018 ~ Sep. 05, 2018	Nov. 09, 2018	Radiation (03CH13-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	Aug. 18, 2018 ~ Sep. 05, 2018	Jul. 15, 2019	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN1	1G Lowpass Filter	Sep. 18, 2017	Aug. 18, 2018 ~ Sep. 05, 2018	Sep. 17, 2018	Radiation (03CH13-HY)
Filter	Woken	WHKX8-5872.5-6750-18000-40ST	SN3	6.75G Highpass	Sep. 18, 2017	Aug. 18, 2018 ~ Sep. 05, 2018	Sep. 17, 2018	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN2	3G High Pass	Sep. 18, 2017	Aug. 18, 2018 ~ Sep. 05, 2018	Sep. 17, 2018	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Jan. 19, 2018	Aug. 18, 2018 ~ Sep. 05, 2018	Jan. 18, 2020	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800N1D01N-06	40103&07	30MHz to 1GHz	Jan. 10, 2018	Aug. 18, 2018 ~ Sep. 05, 2018	Jan. 09, 2019	Radiation (03CH13-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Preamplifier	Jet-Power	JPA0118-55-303K	1710001800054002	1GHz~18GHz	Apr. 16, 2018	Aug. 18, 2018 ~ Sep. 05, 2018	Apr. 15, 2019	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Feb. 02, 2018	Aug. 18, 2018 ~ Sep. 05, 2018	Feb. 01, 2019	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 15, 2018	Aug. 18, 2018 ~ Sep. 05, 2018	Mar. 14, 2019	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Aug. 18, 2018 ~ Sep. 05, 2018	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Aug. 18, 2018 ~ Sep. 05, 2018	N/A	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 27, 2017	Aug. 18, 2018 ~ Sep. 05, 2018	Nov. 26, 2018	Radiation (03CH13-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz to 26.5GHz	Jan. 16, 2018	Aug. 18, 2018 ~ Sep. 05, 2018	Jan. 15, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Jan. 22, 2018	Aug. 18, 2018 ~ Sep. 05, 2018	Jan. 21, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	335041/4	30M-18G	Jan. 22, 2018	Aug. 18, 2018 ~ Sep. 05, 2018	Jan. 21, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M~18GHz	Jan. 22, 2018	Aug. 18, 2018 ~ Sep. 05, 2018	Jan. 21, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 17, 2017	Aug. 18, 2018 ~ Sep. 05, 2018	Oct. 16, 2018	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 17, 2017	Aug. 18, 2018 ~ Sep. 05, 2018	Oct. 16, 2018	Radiation (03CH13-HY)
Software	AUDIX	E3 6.2009-8-24c	RK-001124	N/A	N/A	Aug. 18, 2018 ~ Sep. 05, 2018	N/A	Radiation (03CH13-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.70**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.90**

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

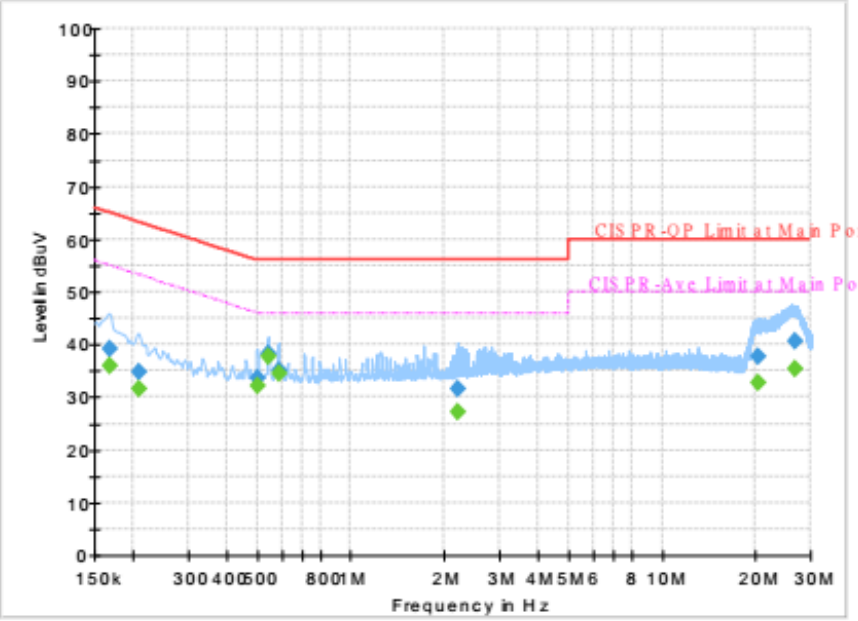
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.40**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.30**

Appendix A. AC Conducted Emission Test Results

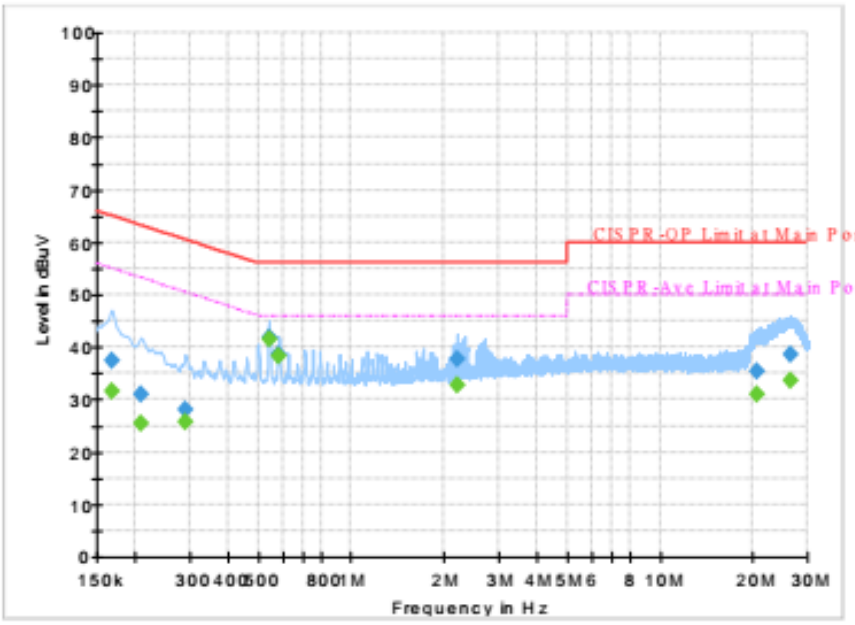
Test Engineer :	Arthur Hsieh	**Temperature :**	25~27℃
		Relative Humidity :	50~52%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.168000	---	35.93	55.06	19.13	L1	OFF	19.5
0.168000	39.16	---	65.06	25.90	L1	OFF	19.5
0.208500	---	31.58	53.27	21.69	L1	OFF	19.5
0.208500	34.76	---	63.27	28.51	L1	OFF	19.5
0.501000	---	32.04	46.00	13.96	L1	OFF	19.5
0.501000	33.56	---	56.00	22.44	L1	OFF	19.5
0.543750	---	37.81	46.00	8.19	L1	OFF	19.5
0.543750	38.28	---	56.00	17.72	L1	OFF	19.5
0.586500	---	34.49	46.00	11.51	L1	OFF	19.5
0.586500	35.11	---	56.00	20.89	L1	OFF	19.5
2.217750	---	27.12	46.00	18.88	L1	OFF	19.5
2.217750	31.57	---	56.00	24.43	L1	OFF	19.5
20.251500	---	32.85	50.00	17.15	L1	OFF	20.3
20.251500	37.76	---	60.00	22.24	L1	OFF	20.3
26.731500	---	35.51	50.00	14.49	L1	OFF	20.4
26.731500	40.52	---	60.00	19.48	L1	OFF	20.4

Test Engineer :	Arthur Hsieh	Temperature :	25~27℃
		Relative Humidity :	50~52%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.168000	---	31.47	55.06	23.59	N	OFF	19.5
0.168000	37.43	---	65.06	27.63	N	OFF	19.5
0.208500	---	25.39	53.27	27.88	N	OFF	19.5
0.208500	30.89	---	63.27	32.38	N	OFF	19.5
0.291750	---	25.69	50.47	24.78	N	OFF	19.5
0.291750	27.93	---	60.47	32.54	N	OFF	19.5
0.541500	---	41.43	46.00	4.57	N	OFF	19.5
0.541500	41.95	---	56.00	14.05	N	OFF	19.5
0.584250	---	38.17	46.00	7.83	N	OFF	19.5
0.584250	38.61	---	56.00	17.39	N	OFF	19.5
2.211000	---	32.72	46.00	13.28	N	OFF	19.5
2.211000	37.61	---	56.00	18.39	N	OFF	19.5
20.634000	---	30.99	50.00	19.01	N	OFF	20.3
20.634000	35.47	---	60.00	24.53	N	OFF	20.3
26.493000	---	33.73	50.00	16.27	N	OFF	20.6
26.493000	38.49	---	60.00	21.51	N	OFF	20.6

Appendix B. Radiated Spurious Emission

Test Engineer :	Fu Chen, Alex Jheng, and Wilson Wu	Temperature :	24.8~25.2°C
		Relative Humidity :	48~52%

<CDD Mode>

<For Sample 1>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5128.44	54.33	-19.67	74	44.05	31.68	8.15	29.55	260	164	P	H
		5147.16	44.85	-9.15	54	34.54	31.69	8.17	29.55	260	164	A	H
	*	5180	110.65	-	-	100.27	31.71	8.22	29.55	260	164	P	H
	*	5180	102.25	-	-	91.87	31.71	8.22	29.55	260	164	A	H
													H
													H
		5079.3	52.21	-21.79	74	42.02	31.65	8.08	29.54	261	194	P	V
		5126.62	42.75	-11.25	54	32.47	31.68	8.15	29.55	261	194	A	V
	*	5180	103.89	-	-	93.51	31.71	8.22	29.55	261	194	P	V
	*	5180	95.99	-	-	85.61	31.71	8.22	29.55	261	194	A	V
													V
													V
802.11a CH 44 5220MHz		5028.6	52.04	-21.96	74	41.94	31.62	8.01	29.53	271	164	P	H
		5148.98	42.71	-11.29	54	32.4	31.69	8.17	29.55	271	164	A	H
	*	5220	109.25	-	-	98.83	31.73	8.25	29.56	271	164	P	H
	*	5220	101.83	-	-	91.41	31.73	8.25	29.56	271	164	A	H
		5448.8	49.96	-24.04	74	39.21	31.87	8.46	29.58	271	164	P	H
		5454.68	41.83	-12.17	54	31.09	31.87	8.46	29.59	271	164	A	H
		5068.12	51.26	-22.74	74	41.1	31.64	8.06	29.54	267	193	P	V
		5148.46	42.35	-11.65	54	32.04	31.69	8.17	29.55	267	193	A	V
	*	5220	103.12	-	-	92.7	31.73	8.25	29.56	267	193	P	V
	*	5220	95.97	-	-	85.55	31.73	8.25	29.56	267	193	A	V
		5454.12	49.67	-24.33	74	38.93	31.87	8.46	29.59	267	193	P	V
		5454.4	41.67	-12.33	54	30.93	31.87	8.46	29.59	267	193	A	V

802.11a CH 48 5240MHz		5137.54	51.45	-22.55	74	41.17	31.68	8.15	29.55	256	163	P	H
		5145.86	42.29	-11.71	54	31.98	31.69	8.17	29.55	256	163	A	H
	*	5240	108.81	-	-	98.38	31.74	8.25	29.56	256	163	P	H
	*	5240	101.67	-	-	91.24	31.74	8.25	29.56	256	163	A	H
		5385.8	50.79	-23.21	74	40.24	31.83	8.3	29.58	256	163	P	H
		5350.24	41.68	-12.32	54	31.15	31.81	8.29	29.57	256	163	A	H
		5089.18	52.07	-21.93	74	41.85	31.66	8.1	29.54	260	162	P	V
		5046.54	42.23	-11.77	54	32.1	31.63	8.04	29.54	260	162	A	V
	*	5240	103.96	-	-	93.53	31.74	8.25	29.56	260	162	P	V
	*	5240	96.28	-	-	85.85	31.74	8.25	29.56	260	162	A	V
		5424.72	49.7	-24.3	74	39.07	31.85	8.36	29.58	260	162	P	V
		5454.4	41.55	-12.45	54	30.81	31.87	8.46	29.59	260	162	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 36 5180MHz		10360	45.76	-22.44	68.2	53.67	39.76	12.34	60.01	100	0	P	H
		15540	45	-29	74	49.82	38.62	14.61	58.05	100	0	P	H
													H
													H
		10360	45.48	-22.72	68.2	53.39	39.76	12.34	60.01	100	0	P	V
		15540	44.4	-29.6	74	49.22	38.62	14.61	58.05	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	45.85	-22.35	68.2	53.76	39.88	12.36	60.15	100	0	P	H
		15660	44.94	-29.06	74	49.82	38.33	14.67	57.88	100	0	P	H
													H
													H
		10440	45.37	-22.83	68.2	53.28	39.88	12.36	60.15	100	0	P	V
		15660	43.82	-30.18	74	48.7	38.33	14.67	57.88	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.52	-21.68	68.2	54.43	39.97	12.38	60.26	100	0	P	H
		15720	44.08	-29.92	74	49.03	38.16	14.68	57.79	100	0	P	H
													H
													H
		10480	46.19	-22.01	68.2	54.1	39.97	12.38	60.26	100	0	P	V
		15720	43.33	-30.67	74	48.28	38.16	14.68	57.79	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 802.11n HT20 (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)
		5150	64.08	-9.92	74	53.77	31.69	8.17	29.55	100	170	P	H
		5149.76	46.26	-7.74	54	35.95	31.69	8.17	29.55	100	170	A	H
	*	5180	109.23	-	-	98.85	31.71	8.22	29.55	100	170	P	H
	*	5180	101.38	-	-	91	31.71	8.22	29.55	100	170	A	H
802.11n													H
HT20													H
CH 36		5148.72	59.68	-14.32	74	49.37	31.69	8.17	29.55	248	276	P	V
5180MHz		5145.86	43.61	-10.39	54	33.3	31.69	8.17	29.55	248	276	A	V
	*	5180	104.67	-	-	94.29	31.71	8.22	29.55	248	276	P	V
	*	5180	96.8	-	-	86.42	31.71	8.22	29.55	248	276	A	V
													V
													V
		5148.2	54.96	-19.04	74	44.65	31.69	8.17	29.55	105	169	P	H
		5145.6	43.28	-10.72	54	32.97	31.69	8.17	29.55	105	169	A	H
	*	5220	109.52	-	-	99.1	31.73	8.25	29.56	105	169	P	H
	*	5220	101.53	-	-	91.11	31.73	8.25	29.56	105	169	A	H
802.11n		5452.44	51.39	-22.61	74	40.65	31.87	8.46	29.59	105	169	P	H
HT20		5376	41.93	-12.07	54	31.39	31.82	8.3	29.58	105	169	A	H
CH 44		5053.04	52.19	-21.81	74	42.04	31.63	8.06	29.54	261	282	P	V
5220MHz		5097.76	42.42	-11.58	54	32.2	31.66	8.1	29.54	261	282	A	V
	*	5220	104.67	-	-	94.25	31.73	8.25	29.56	261	282	P	V
	*	5220	96.98	-	-	86.56	31.73	8.25	29.56	261	282	A	V
		5421.08	51.7	-22.3	74	41.07	31.85	8.36	29.58	261	282	P	V
		5456.64	41.57	-12.43	54	30.83	31.87	8.46	29.59	261	282	A	V

		5090.22	52.63	-21.37	74	42.41	31.66	8.1	29.54	100	169	P	H
		5112.84	42.66	-11.34	54	32.4	31.67	8.13	29.54	100	169	A	H
	*	5240	109.4	-	-	98.97	31.74	8.25	29.56	100	169	P	H
	*	5240	101.13	-	-	90.7	31.74	8.25	29.56	100	169	A	H
802.11n		5351.08	52.52	-21.48	74	41.99	31.81	8.29	29.57	100	169	P	H
HT20		5376.28	42.13	-11.87	54	31.59	31.82	8.3	29.58	100	169	A	H
CH 48		5107.9	52.22	-21.78	74	41.96	31.67	8.13	29.54	244	284	P	V
5240MHz		5108.94	42.57	-11.43	54	32.31	31.67	8.13	29.54	244	284	A	V
	*	5240	104.49	-	-	94.06	31.74	8.25	29.56	244	284	P	V
	*	5240	96.67	-	-	86.24	31.74	8.25	29.56	244	284	A	V
		5459.16	51.04	-22.96	74	40.3	31.87	8.46	29.59	244	284	P	V
		5452.72	41.62	-12.38	54	30.88	31.87	8.46	29.59	244	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 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10360	46.35	-21.85	68.2	54.26	39.76	12.34	60.01	100	0	P	H
		15540	45.24	-28.76	74	50.06	38.62	14.61	58.05	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	45.79	-22.41	68.2	53.7	39.76	12.34	60.01	100	0	P	V
5180MHz		15540	45.05	-28.95	74	49.87	38.62	14.61	58.05	100	0	P	V
													V
													V
		10440	46.24	-21.96	68.2	54.15	39.88	12.36	60.15	100	0	P	H
		15660	44.29	-29.71	74	49.17	38.33	14.67	57.88	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	46.52	-21.68	68.2	54.43	39.88	12.36	60.15	100	0	P	V
5220MHz		15660	44.04	-29.96	74	48.92	38.33	14.67	57.88	100	0	P	V
													V
													V
		10480	46.6	-21.6	68.2	54.51	39.97	12.38	60.26	100	0	P	H
		15720	44.28	-29.72	74	49.23	38.16	14.68	57.79	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	46.58	-21.62	68.2	54.49	39.97	12.38	60.26	100	0	P	V
5240MHz		15720	44.28	-29.72	74	49.23	38.16	14.68	57.79	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 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5148.2	64.78	-9.22	74	54.47	31.69	8.17	29.55	100	171	P	H
		5150	52.56	-1.44	54	42.25	31.69	8.17	29.55	100	171	A	H
	*	5190	105.85	-	-	95.47	31.71	8.22	29.55	100	171	P	H
	*	5190	98.71	-	-	88.33	31.71	8.22	29.55	100	171	A	H
802.11n		5448.24	50.66	-23.34	74	39.91	31.87	8.46	29.58	100	171	P	H
HT40		5458.6	42.24	-11.76	54	31.5	31.87	8.46	29.59	100	171	A	H
CH 38		5143.78	57.59	-16.41	74	47.28	31.69	8.17	29.55	256	195	P	V
5190MHz		5148.98	47.06	-6.94	54	36.75	31.69	8.17	29.55	256	195	A	V
	*	5190	99.52	-	-	89.14	31.71	8.22	29.55	256	195	P	V
	*	5190	92.47	-	-	82.09	31.71	8.22	29.55	256	195	A	V
		5453	51.42	-22.58	74	40.68	31.87	8.46	29.59	256	195	P	V
		5448.52	42.15	-11.85	54	31.4	31.87	8.46	29.58	256	195	A	V
		5148.46	55.7	-18.3	74	45.39	31.69	8.17	29.55	100	168	P	H
		5150	44.27	-9.73	54	33.96	31.69	8.17	29.55	100	168	A	H
	*	5230	106.74	-	-	96.31	31.74	8.25	29.56	100	168	P	H
	*	5230	99.2	-	-	88.77	31.74	8.25	29.56	100	168	A	H
802.11n		5355.84	53.61	-20.39	74	43.08	31.81	8.29	29.57	100	168	P	H
HT40		5363.96	43.08	-10.92	54	32.53	31.82	8.3	29.57	100	168	A	H
CH 46		5108.68	52.47	-21.53	74	42.21	31.67	8.13	29.54	257	196	P	V
5230MHz		5067.34	43.37	-10.63	54	33.21	31.64	8.06	29.54	257	196	A	V
	*	5230	100.84	-	-	90.41	31.74	8.25	29.56	257	196	P	V
	*	5230	93.6	-	-	83.17	31.74	8.25	29.56	257	196	A	V
		5451.6	51.09	-22.91	74	40.35	31.87	8.46	29.59	257	196	P	V
		5455.52	42.34	-11.66	54	31.6	31.87	8.46	29.59	257	196	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10380	46.69	-21.51	68.2	54.6	39.79	12.34	60.04	100	0	P	H
		15570	44.27	-29.73	74	49.12	38.53	14.62	58	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	46.13	-22.07	68.2	54.04	39.79	12.34	60.04	100	0	P	V
5190MHz		15570	44.48	-29.52	74	49.33	38.53	14.62	58	100	0	P	V
													V
													V
		10460	45.96	-22.24	68.2	53.87	39.91	12.37	60.19	100	0	P	H
		15690	43.34	-30.66	74	48.26	38.24	14.67	57.83	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	45.86	-22.34	68.2	53.77	39.91	12.37	60.19	100	0	P	V
5230MHz		15690	43.63	-30.37	74	48.55	38.24	14.67	57.83	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		5146.64	58.8	-15.2	74	48.49	31.69	8.17	29.55	101	167	P	H
		5149.76	51.54	-2.46	54	41.23	31.69	8.17	29.55	101	167	A	H
	*	5210	103.36	-	-	92.95	31.73	8.24	29.56	101	167	P	H
	*	5210	95.72	-	-	85.31	31.73	8.24	29.56	101	167	A	H
		5429.48	51.7	-22.3	74	41.06	31.86	8.36	29.58	101	167	P	H
		5376	43.15	-10.85	54	32.61	31.82	8.3	29.58	101	167	A	H
		5148.98	56.27	-17.73	74	45.96	31.69	8.17	29.55	260	199	P	V
		5149.24	47.74	-6.26	54	37.43	31.69	8.17	29.55	260	199	A	V
	*	5210	98.2	-	-	87.79	31.73	8.24	29.56	260	199	P	V
	*	5210	90.41	-	-	80	31.73	8.24	29.56	260	199	A	V
		5460	51.14	-22.86	74	40.4	31.87	8.46	29.59	260	199	P	V
		5454.68	42.58	-11.42	54	31.84	31.87	8.46	29.59	260	199	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10420	45.94	-22.26	68.2	53.85	39.85	12.36	60.12	100	0	P	H
		15630	43.66	-30.34	74	48.55	38.37	14.65	57.91	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	45.39	-22.81	68.2	53.3	39.85	12.36	60.12	100	0	P	V
5210MHz		15630	43.42	-30.58	74	48.31	38.37	14.65	57.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5019.04	51.11	-22.89	74	41.02	31.61	8.01	29.53	247	161	P	H
		5070.38	42.29	-11.71	54	32.13	31.64	8.06	29.54	247	161	A	H
	*	5260	108.83	-	-	98.37	31.76	8.26	29.56	247	161	P	H
	*	5260	101.57	-	-	91.11	31.76	8.26	29.56	247	161	A	H
		5423.52	50.84	-23.16	74	40.21	31.85	8.36	29.58	247	161	P	H
		5350.32	42.07	-11.93	54	31.54	31.81	8.29	29.57	247	161	A	H
		5115.94	51.36	-22.64	74	41.1	31.67	8.13	29.54	261	161	P	V
		5057.12	42.25	-11.75	54	32.09	31.64	8.06	29.54	261	161	A	V
	*	5260	104.66	-	-	94.2	31.76	8.26	29.56	261	161	P	V
	*	5260	96.68	-	-	86.22	31.76	8.26	29.56	261	161	A	V
		5406	50.44	-23.56	74	39.87	31.84	8.31	29.58	261	161	P	V
		5455.2	41.53	-12.47	54	30.79	31.87	8.46	29.59	261	161	A	V
802.11a CH 60 5300MHz		5129.2	51.8	-22.2	74	41.52	31.68	8.15	29.55	248	162	P	H
		5067.32	42.45	-11.55	54	32.29	31.64	8.06	29.54	248	162	A	H
	*	5300	108.86	-	-	98.38	31.78	8.27	29.57	248	162	P	H
	*	5300	101.59	-	-	91.11	31.78	8.27	29.57	248	162	A	H
		5352.96	52.65	-21.35	74	42.12	31.81	8.29	29.57	248	162	P	H
		5350.56	44.53	-9.47	54	34	31.81	8.29	29.57	248	162	A	H
		5130.22	50.73	-23.27	74	40.45	31.68	8.15	29.55	271	160	P	V
		5037.4	42.18	-11.82	54	32.05	31.62	8.04	29.53	271	160	A	V
	*	5300	103.56	-	-	93.08	31.78	8.27	29.57	271	160	P	V
	*	5300	95.91	-	-	85.43	31.78	8.27	29.57	271	160	A	V
		5379.36	51.32	-22.68	74	40.77	31.83	8.3	29.58	271	160	P	V
		5351.28	42.26	-11.74	54	31.73	31.81	8.29	29.57	271	160	A	V

802.11a CH 64 5320MHz	*	5320	109.3	-	-	98.8	31.79	8.28	29.57	261	160	P	H
	*	5320	101.45	-	-	90.95	31.79	8.28	29.57	261	160	A	H
		5368.32	55.06	-18.94	74	44.51	31.82	8.3	29.57	261	160	P	H
		5358.72	45.07	-8.93	54	34.53	31.81	8.3	29.57	261	160	A	H
													H
													H
	*	5320	104.42	-	-	93.92	31.79	8.28	29.57	258	159	P	V
	*	5320	96.74	-	-	86.24	31.79	8.28	29.57	258	159	A	V
		5361.28	51.09	-22.91	74	40.54	31.82	8.3	29.57	258	159	P	V
		5361.44	42.58	-11.42	54	32.03	31.82	8.3	29.57	258	159	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 52 5260MHz		10520	45.26	-22.94	68.2	53.19	40.02	12.39	60.34	100	0	P	H
		15780	43.77	-30.23	74	48.73	38.04	14.71	57.71	100	0	P	H
													H
													H
		10520	45.68	-22.52	68.2	53.61	40.02	12.39	60.34	100	0	P	V
		15780	43.57	-30.43	74	48.53	38.04	14.71	57.71	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	45.95	-28.05	74	53.99	40.1	12.41	60.55	100	0	P	H
		15900	43.54	-30.46	74	48.56	37.75	14.77	57.54	100	0	P	H
													H
													H
		10600	45.9	-28.1	74	53.94	40.1	12.41	60.55	100	0	P	V
		15900	44.52	-29.48	74	49.54	37.75	14.77	57.54	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	46.02	-27.98	74	54.1	40.14	12.41	60.63	100	0	P	H
		15960	43.7	-30.3	74	48.79	37.58	14.78	57.45	100	0	P	H
													H
													H
		10640	46.98	-27.02	74	55.06	40.14	12.41	60.63	100	0	P	V
		15960	43.74	-30.26	74	48.83	37.58	14.78	57.45	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 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5029.24	52.32	-21.68	74	42.22	31.62	8.01	29.53	101	168	P	H
		5072.76	42.48	-11.52	54	32.29	31.65	8.08	29.54	101	168	A	H
	*	5260	108.86	-	-	98.4	31.76	8.26	29.56	101	168	P	H
	*	5260	100.99	-	-	90.53	31.76	8.26	29.56	101	168	A	H
802.11n		5362.8	54.06	-19.94	74	43.51	31.82	8.3	29.57	101	168	P	H
HT20		5376	42.17	-11.83	54	31.63	31.82	8.3	29.58	101	168	A	H
CH 52		5060.52	52.43	-21.57	74	42.27	31.64	8.06	29.54	261	195	P	V
5260MHz		5083.64	42.51	-11.49	54	32.32	31.65	8.08	29.54	261	195	A	V
	*	5260	103.53	-	-	93.07	31.76	8.26	29.56	261	195	P	V
	*	5260	95.96	-	-	85.5	31.76	8.26	29.56	261	195	A	V
		5444.64	51.65	-22.35	74	40.96	31.86	8.41	29.58	261	195	P	V
		5454.72	41.69	-12.31	54	30.95	31.87	8.46	29.59	261	195	A	V
		5080.24	52.3	-21.7	74	42.11	31.65	8.08	29.54	102	167	P	H
		5054.4	42.42	-11.58	54	32.27	31.63	8.06	29.54	102	167	A	H
	*	5300	109.22	-	-	98.74	31.78	8.27	29.57	102	167	P	H
	*	5300	101.01	-	-	90.53	31.78	8.27	29.57	102	167	A	H
802.11n		5352	63.88	-10.12	74	53.35	31.81	8.29	29.57	102	167	P	H
HT20		5353.44	45.32	-8.68	54	34.79	31.81	8.29	29.57	102	167	A	H
CH 60		5052.36	52.89	-21.11	74	42.76	31.63	8.04	29.54	270	281	P	V
5300MHz		5084.66	42.31	-11.69	54	32.12	31.65	8.08	29.54	270	281	A	V
	*	5300	104.85	-	-	94.37	31.78	8.27	29.57	270	281	P	V
	*	5300	97.08	-	-	86.6	31.78	8.27	29.57	270	281	A	V
		5350.8	58.4	-15.6	74	47.87	31.81	8.29	29.57	270	281	P	V
		5350.8	42.73	-11.27	54	32.2	31.81	8.29	29.57	270	281	A	V

	*	5320	108.98	-	-	98.48	31.79	8.28	29.57	100	160	P	H
	*	5320	101.14	-	-	90.64	31.79	8.28	29.57	100	160	A	H
		5353.12	62.61	-11.39	74	52.08	31.81	8.29	29.57	100	160	P	H
		5351.84	44.96	-9.04	54	34.43	31.81	8.29	29.57	100	160	A	H
802.11n													H
HT20													H
CH 64	*	5320	103.55	-	-	93.05	31.79	8.28	29.57	254	168	P	V
5320MHz	*	5320	95.75	-	-	85.25	31.79	8.28	29.57	254	168	A	V
		5354.24	57.8	-16.2	74	47.27	31.81	8.29	29.57	254	168	P	V
		5352.48	42.24	-11.76	54	31.71	31.81	8.29	29.57	254	168	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 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10520	46.59	-21.61	68.2	54.52	40.02	12.39	60.34	100	0	P	H
		15780	44.05	-29.95	74	49.01	38.04	14.71	57.71	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	46	-22.2	68.2	53.93	40.02	12.39	60.34	100	0	P	V
5260MHz		15780	43.28	-30.72	74	48.24	38.04	14.71	57.71	100	0	P	V
													V
													V
		10600	45.68	-28.32	74	53.72	40.1	12.41	60.55	100	0	P	H
		15900	44.86	-29.14	74	49.88	37.75	14.77	57.54	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	46.6	-27.4	74	54.64	40.1	12.41	60.55	100	0	P	V
5300MHz		15900	44.62	-29.38	74	49.64	37.75	14.77	57.54	100	0	P	V
													V
													V
		10640	46.64	-27.36	74	54.72	40.14	12.41	60.63	100	0	P	H
		15960	43.55	-30.45	74	48.64	37.58	14.78	57.45	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	46.02	-27.98	74	54.1	40.14	12.41	60.63	100	0	P	V
5320MHz		15960	43.55	-30.45	74	48.64	37.58	14.78	57.45	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 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5068.68	53.54	-20.46	74	43.38	31.64	8.06	29.54	100	164	P	H
		5041.82	43.68	-10.32	54	33.55	31.63	8.04	29.54	100	164	A	H
	*	5270	107.57	-	-	97.1	31.76	8.27	29.56	100	164	P	H
	*	5270	99.95	-	-	89.48	31.76	8.27	29.56	100	164	A	H
802.11n		5353.44	58.93	-15.07	74	48.4	31.81	8.29	29.57	100	164	P	H
HT40		5351.52	45.62	-8.38	54	35.09	31.81	8.29	29.57	100	164	A	H
CH 54		5052.02	53.09	-20.91	74	42.96	31.63	8.04	29.54	352	231	P	V
5270MHz		5021.08	43.28	-10.72	54	33.18	31.62	8.01	29.53	352	231	A	V
	*	5270	102.02	-	-	91.55	31.76	8.27	29.56	352	231	P	V
	*	5270	94.08	-	-	83.61	31.76	8.27	29.56	352	231	A	V
		5351.28	53.91	-20.09	74	43.38	31.81	8.29	29.57	352	231	P	V
		5355.36	43.16	-10.84	54	32.63	31.81	8.29	29.57	352	231	A	V
		5012.58	52.48	-21.52	74	42.41	31.61	7.99	29.53	100	166	P	H
		5098.6	43.19	-10.81	54	32.97	31.66	8.1	29.54	100	166	A	H
	*	5310	106.89	-	-	96.39	31.79	8.28	29.57	100	166	P	H
	*	5310	99.26	-	-	88.76	31.79	8.28	29.57	100	166	A	H
802.11n		5354.64	65.68	-8.32	74	55.15	31.81	8.29	29.57	100	166	P	H
HT40		5350.08	50.62	-3.38	54	40.09	31.81	8.29	29.57	100	166	A	H
CH 62		5049.98	51.82	-22.18	74	41.69	31.63	8.04	29.54	271	288	P	V
5310MHz		5042.5	43.14	-10.86	54	33.01	31.63	8.04	29.54	271	288	A	V
	*	5310	102.11	-	-	91.61	31.79	8.28	29.57	271	288	P	V
	*	5310	94.52	-	-	84.02	31.79	8.28	29.57	271	288	A	V
		5357.52	60.25	-13.75	74	49.72	31.81	8.29	29.57	271	288	P	V
		5358	46.19	-7.81	54	35.66	31.81	8.29	29.57	271	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 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10540	46.2	-22	68.2	54.16	40.03	12.39	60.38	100	0	P	H
		15810	43.08	-30.92	74	48.06	37.96	14.73	57.67	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	46.44	-21.76	68.2	54.4	40.03	12.39	60.38	100	0	P	V
5270MHz		15810	43.14	-30.86	74	48.12	37.96	14.73	57.67	100	0	P	V
													V
													V
		10620	45.82	-28.18	74	53.88	40.12	12.41	60.59	100	0	P	H
		15930	43.49	-30.51	74	48.54	37.67	14.78	57.5	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	45.97	-28.03	74	54.03	40.12	12.41	60.59	100	0	P	V
5310MHz		15930	44	-30	74	49.05	37.67	14.78	57.5	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5079.9	51.9	-22.1	74	41.71	31.65	8.08	29.54	102	194	P	H
		5078.2	43.49	-10.51	54	33.3	31.65	8.08	29.54	102	194	A	H
	*	5290	104.21	-	-	93.73	31.77	8.27	29.56	102	194	P	H
	*	5290	96.22	-	-	85.74	31.77	8.27	29.56	102	194	A	H
802.11ac		5358	62.47	-11.53	74	51.94	31.81	8.29	29.57	102	194	P	H
VHT80		5351.52	52.57	-1.43	54	42.04	31.81	8.29	29.57	102	194	A	H
CH 58		5100.3	52.38	-21.62	74	42.16	31.66	8.1	29.54	274	290	P	V
5290MHz		5094.18	43.27	-10.73	54	33.05	31.66	8.1	29.54	274	290	A	V
	*	5290	99.06	-	-	88.58	31.77	8.27	29.56	274	290	P	V
	*	5290	91.4	-	-	80.92	31.77	8.27	29.56	274	290	A	V
		5368.08	55.94	-18.06	74	45.39	31.82	8.3	29.57	274	290	P	V
		5354.4	46.37	-7.63	54	35.84	31.81	8.29	29.57	274	290	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10580	47.3	-20.9	68.2	55.32	40.09	12.4	60.51	100	0	P	H
		15870	43.26	-30.74	74	48.29	37.79	14.75	57.57	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	45.75	-22.45	68.2	53.77	40.09	12.4	60.51	100	0	P	V
5290MHz		15870	44.82	-29.18	74	49.85	37.79	14.75	57.57	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (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	54.22	-19.78	74	43.48	31.87	8.46	29.59	245	184	P	H
		5466	55.15	-13.05	68.2	44.35	31.88	8.51	29.59	245	184	P	H
		5442.48	45.13	-8.87	54	34.44	31.86	8.41	29.58	245	184	A	H
	*	5500	109.52	-	-	98.65	31.9	8.56	29.59	245	184	P	H
	*	5500	101.7	-	-	90.83	31.9	8.56	29.59	245	184	A	H
													H
		5457.84	51.49	-22.51	74	40.75	31.87	8.46	29.59	269	157	P	V
		5468.08	51.93	-16.27	68.2	41.13	31.88	8.51	29.59	269	157	P	V
		5460	42.44	-11.56	54	31.7	31.87	8.46	29.59	269	157	A	V
	*	5500	103.38	-	-	92.51	31.9	8.56	29.59	269	157	P	V
	*	5500	95.25	-	-	84.38	31.9	8.56	29.59	269	157	A	V
													V
802.11a CH 116 5580MHz		5454.64	50.33	-23.67	74	39.59	31.87	8.46	29.59	266	182	P	H
		5460.4	49.14	-19.06	68.2	38.4	31.87	8.46	29.59	266	182	P	H
		5459.44	41.97	-12.03	54	31.23	31.87	8.46	29.59	266	182	A	H
	*	5580	109.53	-	-	98.36	32	8.8	29.63	266	182	P	H
	*	5580	102.04	-	-	90.87	32	8.8	29.63	266	182	A	H
		5733.5	51.86	-16.34	68.2	40.52	32.21	8.82	29.69	266	182	P	H
		5428.72	49.35	-24.65	74	38.71	31.86	8.36	29.58	302	180	P	V
		5465.68	49.83	-18.37	68.2	39.08	31.88	8.46	29.59	302	180	P	V
		5455.36	41.38	-12.62	54	30.64	31.87	8.46	29.59	302	180	A	V
	*	5580	103.92	-	-	92.75	32	8.8	29.63	302	180	P	V
	*	5580	104.26	-	-	93.09	32	8.8	29.63	302	180	A	V
		5725.94	50.5	-17.7	68.2	39.15	32.21	8.82	29.68	302	180	P	V

802.11a CH 140 5700MHz	*	5700	109.96	-	-	98.64	32.17	8.82	29.67	267	181	P	H
	*	5700	102.52	-	-	91.2	32.17	8.82	29.67	267	181	A	H
		5730.28	58.49	-9.71	68.2	47.15	32.21	8.82	29.69	267	181	P	H
													H
													H
													H
	*	5700	105.03	-	-	93.71	32.17	8.82	29.67	307	177	P	V
	*	5700	97.4	-	-	86.08	32.17	8.82	29.67	307	177	A	V
		5752.12	54.19	-14.01	68.2	42.81	32.26	8.81	29.69	307	177	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 100 5500MHz		11000	46.43	-27.57	74	54.92	40.5	12.51	61.5	100	0	P	H
		16500	45.52	-22.68	68.2	48.5	39.4	14.92	57.3	100	0	P	H
													H
													H
		11000	45.89	-28.11	74	54.38	40.5	12.51	61.5	100	0	P	V
		16500	45.98	-22.22	68.2	48.96	39.4	14.92	57.3	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	46.77	-27.23	74	55.41	40.3	12.59	61.53	100	0	P	H
		16740	46.17	-22.03	68.2	48.34	39.69	14.96	56.82	100	0	P	H
													H
													H
		11160	46.03	-27.97	74	54.67	40.3	12.59	61.53	100	0	P	V
		16740	45.53	-22.67	68.2	47.7	39.69	14.96	56.82	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	45.21	-28.79	74	54.05	40.02	12.72	61.58	100	0	P	H
		17100	47.84	-20.36	68.2	48.5	40.36	15.06	56.08	100	0	P	H
													H
													H
		11400	45.4	-28.6	74	54.24	40.02	12.72	61.58	100	0	P	V
		17100	48.74	-19.46	68.2	49.4	40.36	15.06	56.08	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (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)
		5458.8	65.31	-8.69	74	54.57	31.87	8.46	29.59	257	183	P	H
		5466.48	66.7	-1.5	68.2	55.9	31.88	8.51	29.59	257	183	P	H
		5459.6	46.63	-7.37	54	35.89	31.87	8.46	29.59	257	183	A	H
	*	5500	108.59	-	-	97.72	31.9	8.56	29.59	257	183	P	H
802.11n	*	5500	100.94	-	-	90.07	31.9	8.56	29.59	257	183	A	H
HT20													H
CH 100		5459.44	58.18	-15.82	74	47.44	31.87	8.46	29.59	400	231	P	V
5500MHz		5467.92	59.9	-8.3	68.2	49.1	31.88	8.51	29.59	400	231	P	V
		5456.24	42.33	-11.67	54	31.59	31.87	8.46	29.59	400	231	A	V
	*	5500	102.96	-	-	92.09	31.9	8.56	29.59	400	231	P	V
	*	5500	95.2	-	-	84.33	31.9	8.56	29.59	400	231	A	V
													V
		5422.96	52.02	-21.98	74	41.39	31.85	8.36	29.58	100	188	P	H
		5464	52.66	-15.54	68.2	41.91	31.88	8.46	29.59	100	188	P	H
		5458.24	42.43	-11.57	54	31.69	31.87	8.46	29.59	100	188	A	H
	*	5580	109.61	-	-	98.44	32	8.8	29.63	100	188	P	H
802.11n	*	5580	101.67	-	-	90.5	32	8.8	29.63	100	188	A	H
HT20		5725	54.01	-14.19	68.2	42.66	32.21	8.82	29.68	100	188	P	H
CH 116		5424.16	51.61	-22.39	74	40.98	31.85	8.36	29.58	316	217	P	V
5580MHz		5469.52	52.23	-15.97	68.2	41.43	31.88	8.51	29.59	316	217	P	V
		5457.52	41.91	-12.09	54	31.17	31.87	8.46	29.59	316	217	A	V
	*	5580	105.06	-	-	93.89	32	8.8	29.63	316	217	P	V
	*	5580	97.23	-	-	86.06	32	8.8	29.63	316	217	A	V
		5755.865	52.08	-16.12	68.2	40.72	32.26	8.81	29.71	316	217	P	V

	*	5700	110.17	-	-	98.85	32.17	8.82	29.67	256	178	P	H
	*	5700	101.33	-	-	90.01	32.17	8.82	29.67	256	178	A	H
		5725.16	66.37	-1.83	68.2	55.02	32.21	8.82	29.68	256	178	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	103.81	-	-	92.49	32.17	8.82	29.67	380	177	P	V
5700MHz	*	5700	96.11	-	-	84.79	32.17	8.82	29.67	380	177	A	V
		5727.96	59.05	-9.15	68.2	47.7	32.21	8.82	29.68	380	177	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 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11000	45.68	-28.32	74	54.17	40.5	12.51	61.5	100	0	P	H
		16500	46.29	-21.91	68.2	49.27	39.4	14.92	57.3	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	46.32	-27.68	74	54.81	40.5	12.51	61.5	100	0	P	V
5500MHz		16500	45.2	-23	68.2	48.18	39.4	14.92	57.3	100	0	P	V
													V
													V
		11160	46.59	-27.41	74	55.23	40.3	12.59	61.53	100	0	P	H
		16740	46.73	-21.47	68.2	48.9	39.69	14.96	56.82	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	46.42	-27.58	74	55.06	40.3	12.59	61.53	100	0	P	V
5580MHz		16740	47.07	-21.13	68.2	49.24	39.69	14.96	56.82	100	0	P	V
													V
													V
		11400	45.28	-28.72	74	54.12	40.02	12.72	61.58	100	0	P	H
		17100	47.98	-20.22	68.2	48.64	40.36	15.06	56.08	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	45.72	-28.28	74	54.56	40.02	12.72	61.58	100	0	P	V
5700MHz		17100	47.18	-21.02	68.2	47.84	40.36	15.06	56.08	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (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)
		5459.2	65.13	-8.87	74	54.39	31.87	8.46	29.59	255	186	P	H
		5468.8	66.85	-1.35	68.2	56.05	31.88	8.51	29.59	255	186	P	H
		5459.92	48.88	-5.12	54	38.14	31.87	8.46	29.59	255	186	A	H
	*	5510	107.57	-	-	96.67	31.9	8.6	29.6	255	186	P	H
802.11n	*	5510	99.76	-	-	88.86	31.9	8.6	29.6	255	186	A	H
HT40		5757.755	53.41	-14.79	68.2	42.05	32.26	8.81	29.71	255	186	P	H
CH 102		5459.92	57.56	-16.44	74	46.82	31.87	8.46	29.59	400	230	P	V
5510MHz		5469.52	59	-9.2	68.2	48.2	31.88	8.51	29.59	400	230	P	V
		5459.2	43.39	-10.61	54	32.65	31.87	8.46	29.59	400	230	A	V
	*	5510	101.92	-	-	91.02	31.9	8.6	29.6	400	230	P	V
	*	5510	93.87	-	-	82.97	31.9	8.6	29.6	400	230	A	V
		5742.95	52.87	-15.33	68.2	41.51	32.24	8.81	29.69	400	230	P	V
		5459.92	58.9	-15.1	74	48.16	31.87	8.46	29.59	253	184	P	H
		5469.28	59.48	-8.72	68.2	48.68	31.88	8.51	29.59	253	184	P	H
		5459.44	44.77	-9.23	54	34.03	31.87	8.46	29.59	253	184	A	H
	*	5550	106.9	-	-	95.84	31.97	8.7	29.61	253	184	P	H
802.11n	*	5550	99.54	-	-	88.48	31.97	8.7	29.61	253	184	A	H
HT40		5737.28	54.1	-14.1	68.2	42.74	32.24	8.81	29.69	253	184	P	H
CH 110		5450.32	52.48	-21.52	74	41.74	31.87	8.46	29.59	337	217	P	V
5550MHz		5466.88	54.82	-13.38	68.2	44.02	31.88	8.51	29.59	337	217	P	V
		5459.44	42.73	-11.27	54	31.99	31.87	8.46	29.59	337	217	A	V
	*	5550	102.62	-	-	91.56	31.97	8.7	29.61	337	217	P	V
	*	5550	94.72	-	-	83.66	31.97	8.7	29.61	337	217	A	V
		5729.405	52.44	-15.76	68.2	41.09	32.21	8.82	29.68	337	217	P	V

802.11n HT40 CH 134 5670MHz		5440.3	51.09	-22.91	74	40.4	31.86	8.41	29.58	257	182	P	H
		5470	50.83	-17.37	68.2	40.03	31.88	8.51	29.59	257	182	P	H
		5434	42.12	-11.88	54	31.43	31.86	8.41	29.58	257	182	A	H
	*	5670	107.56	-	-	96.25	32.14	8.83	29.66	257	182	P	H
	*	5670	100.52	-	-	89.21	32.14	8.83	29.66	257	182	A	H
		5726.885	66.79	-1.41	68.2	55.44	32.21	8.82	29.68	257	182	P	H
		5439.6	52.22	-21.78	74	41.53	31.86	8.41	29.58	357	215	P	V
		5463.05	50.88	-17.32	68.2	40.13	31.88	8.46	29.59	357	215	P	V
		5456.4	42.11	-11.89	54	31.37	31.87	8.46	29.59	357	215	A	V
	*	5670	103.49	-	-	92.18	32.14	8.83	29.66	357	215	P	V
	*	5670	95.34	-	-	84.03	32.14	8.83	29.66	357	215	A	V
		5726.57	61.69	-6.51	68.2	50.34	32.21	8.82	29.68	357	215	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11020	46.63	-27.37	74	55.12	40.48	12.53	61.5	100	0	P	H
		16530	45.45	-22.75	68.2	48.32	39.44	14.92	57.23	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	46.19	-27.81	74	54.68	40.48	12.53	61.5	100	0	P	V
5510MHz		16530	45.68	-22.52	68.2	48.55	39.44	14.92	57.23	100	0	P	V
													V
													V
		11100	47.16	-26.84	74	55.74	40.38	12.56	61.52	100	0	P	H
		16650	46.23	-21.97	68.2	48.68	39.59	14.95	56.99	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	47.11	-26.89	74	55.69	40.38	12.56	61.52	100	0	P	V
5550MHz		16650	45.13	-23.07	68.2	47.58	39.59	14.95	56.99	100	0	P	V
													V
													V
		11340	45.01	-28.99	74	53.8	40.1	12.68	61.57	100	0	P	H
		17010	47.3	-20.9	68.2	48.48	40.06	15.02	56.26	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	46.33	-27.67	74	55.12	40.1	12.68	61.57	100	0	P	V
5670MHz		17010	47.36	-20.84	68.2	48.54	40.06	15.02	56.26	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5459.92	62.42	-11.58	74	51.68	31.87	8.46	29.59	100	190	P	H
		5469.76	64.94	-3.26	68.2	54.14	31.88	8.51	29.59	100	190	P	H
		5458.96	47.63	-6.37	54	36.89	31.87	8.46	29.59	100	190	A	H
	*	5530	104.55	-	-	93.59	31.92	8.65	29.61	100	190	P	H
802.11ac	*	5530	96.52	-	-	85.56	31.92	8.65	29.61	100	190	A	H
VHT80		5725.625	53.8	-14.4	68.2	42.45	32.21	8.82	29.68	100	190	P	H
CH 106		5458.48	56.22	-17.78	74	45.48	31.87	8.46	29.59	268	298	P	V
5530MHz		5469.04	59.03	-9.17	68.2	48.23	31.88	8.51	29.59	268	298	P	V
		5457.04	43.46	-10.54	54	32.72	31.87	8.46	29.59	268	298	A	V
	*	5530	98.91	-	-	87.95	31.92	8.65	29.61	268	298	P	V
	*	5530	90.63	-	-	79.67	31.92	8.65	29.61	268	298	A	V
		5738.54	52.49	-15.71	68.2	41.13	32.24	8.81	29.69	268	298	P	V
		5457.76	52.81	-21.19	74	42.07	31.87	8.46	29.59	100	187	P	H
		5461.36	52.87	-15.33	68.2	42.13	31.87	8.46	29.59	100	187	P	H
		5458.72	42.77	-11.23	54	32.03	31.87	8.46	29.59	100	187	A	H
	*	5610	104.66	-	-	93.41	32.04	8.85	29.64	100	187	P	H
802.11ac	*	5610	95.6	-	-	84.35	32.04	8.85	29.64	100	187	A	H
VHT80		5726.885	55.38	-12.82	68.2	44.03	32.21	8.82	29.68	100	187	P	H
CH 122		5432.56	51.56	-22.44	74	40.87	31.86	8.41	29.58	290	293	P	V
5610MHz		5460.16	51.73	-16.47	68.2	40.99	31.87	8.46	29.59	290	293	P	V
		5458.24	42.13	-11.87	54	31.39	31.87	8.46	29.59	290	293	A	V
	*	5610	98.39	-	-	87.14	32.04	8.85	29.64	290	293	P	V
	*	5610	89.97	-	-	78.72	32.04	8.85	29.64	290	293	A	V
		5747.99	52.04	-16.16	68.2	40.68	32.24	8.81	29.69	290	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 VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11060	46.27	-27.73	74	54.81	40.42	12.55	61.51	100	0	P	H
		16590	45.82	-22.38	68.2	48.52	39.5	14.93	57.13	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	45.79	-28.21	74	54.33	40.42	12.55	61.51	100	0	P	V
5530MHz		16590	46.09	-22.11	68.2	48.79	39.5	14.93	57.13	100	0	P	V
													V
													V
		11220	46.37	-27.63	74	55.04	40.24	12.63	61.54	100	0	P	H
		16830	47.64	-20.56	68.2	49.5	39.79	14.99	56.64	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	45.12	-28.88	74	53.79	40.24	12.63	61.54	100	0	P	V
5610MHz		16830	46.93	-21.27	68.2	48.79	39.79	14.99	56.64	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	*	5720	110.23	-	-	98.88	32.21	8.82	29.68	267	181	P	H
	*	5720	102.56	-	-	91.21	32.21	8.82	29.68	267	181	A	H
													H
													H
													H
													H
	*	5720	106.03	-	-	94.68	32.21	8.82	29.68	315	211	P	V
	*	5720	98.19	-	-	86.84	32.21	8.82	29.68	315	211	A	V
													V
													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 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 144 5720MHz		11440	46.09	-27.91	74	54.98	39.98	12.72	61.59	100	0	P	H
		17160	49.13	-19.07	68.2	49.39	40.6	15.07	55.93	100	0	P	H
													H
													H
		11440	45.29	-28.71	74	54.18	39.98	12.72	61.59	100	0	P	V
		17160	49.34	-18.86	68.2	49.6	40.6	15.07	55.93	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 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
	*	5720	110.15	-	-	98.8	32.21	8.82	29.68	100	181	P	H
	*	5720	101.91	-	-	90.56	32.21	8.82	29.68	100	181	A	H
													H
													H
802.11n													H
HT20													H
CH 144	*	5720	105.41	-	-	94.06	32.21	8.82	29.68	318	213	P	V
5720MHz	*	5720	97.83	-	-	86.48	32.21	8.82	29.68	318	213	A	V
													V
													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 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11440	44.89	-29.11	74	53.78	39.98	12.72	61.59	100	0	P	H
		17160	49.47	-18.73	68.2	49.73	40.6	15.07	55.93	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	45.52	-28.48	74	54.41	39.98	12.72	61.59	100	0	P	V
5720MHz		17160	48.2	-20	68.2	48.46	40.6	15.07	55.93	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 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
	*	5710	107.49	-	-	96.16	32.19	8.82	29.68	101	187	P	H
	*	5710	99.77	-	-	88.44	32.19	8.82	29.68	101	187	A	H
													H
													H
802.11n													H
HT40													H
CH 142	*	5710	104.07	-	-	92.74	32.19	8.82	29.68	275	211	P	V
5710MHz	*	5710	95.66	-	-	84.33	32.19	8.82	29.68	275	211	A	V
													V
													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 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11420	46.64	-27.36	74	55.51	40	12.71	61.58	100	0	P	H
		17130	47.9	-20.3	68.2	48.35	40.48	15.08	56.01	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	46.58	-27.42	74	55.45	40	12.71	61.58	100	0	P	V
5710MHz		17130	47.99	-20.21	68.2	48.44	40.48	15.08	56.01	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
	*	5690	104.66	-	-	93.33	32.17	8.83	29.67	101	182	P	H
	*	5690	96.57	-	-	85.24	32.17	8.83	29.67	101	182	A	H
													H
													H
802.11ac													H
VHT80													H
CH 138	*	5690	100.26	-	-	88.93	32.17	8.83	29.67	283	213	P	V
5690MHz	*	5690	91.75	-	-	80.42	32.17	8.83	29.67	283	213	A	V
													V
													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 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11380	45.18	-28.82	74	54.01	40.04	12.71	61.58	100	0	P	H
		17070	48.37	-19.83	68.2	49.24	40.24	15.04	56.15	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	45.08	-28.92	74	53.91	40.04	12.71	61.58	100	0	P	V
5690MHz		17070	49.07	-19.13	68.2	49.94	40.24	15.04	56.15	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 802.11n HT40 (LF @ 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)
802.11n HT40 LF		31.62	22.68	-17.32	40	30.69	23.54	0.79	32.34	-	-	P	H
		99.66	23.08	-20.42	43.5	37.86	16.15	1.36	32.29	-	-	P	H
		125.04	22.59	-20.91	43.5	35.91	17.58	1.38	32.28	-	-	P	H
		722.1	32.86	-13.14	46	34.61	27.18	3.2	32.13	-	-	P	H
		909	33.46	-12.54	46	32.14	29.16	3.59	31.43	100	0	P	H
		945.4	33.4	-12.6	46	30.4	30.39	3.71	31.1	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.54	34.2	-5.8	40	41.79	23.96	0.79	32.34	100	0	P	V
		32.16	33.69	-6.31	40	41.7	23.54	0.79	32.34	-	-	P	V
		60.24	22.15	-17.85	40	41.36	12.06	1.04	32.31	-	-	P	V
		714.4	35.46	-10.54	46	37.51	26.92	3.17	32.14	-	-	P	V
		717.2	33.19	-12.81	46	35.18	26.98	3.17	32.14	-	-	P	V
		885.9	37.51	-8.49	46	36.55	28.99	3.55	31.58	-	-	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 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		5149.24	57.95	-16.05	74	47.64	31.69	8.17	29.55	302	106	P	H
		5148.98	43.88	-10.12	54	33.57	31.69	8.17	29.55	302	106	A	H
	*	5180	108.68	-	-	98.3	31.71	8.22	29.55	302	106	P	H
	*	5180	100.68	-	-	90.3	31.71	8.22	29.55	302	106	A	H
													H
													H
		5147.42	57.25	-16.75	74	46.94	31.69	8.17	29.55	200	64	P	V
		5148.46	43.74	-10.26	54	33.43	31.69	8.17	29.55	200	64	A	V
	*	5180	97.37	-	-	86.99	31.71	8.22	29.55	200	64	P	V
	*	5180	99.96	-	-	89.58	31.71	8.22	29.55	200	64	A	V
													V
													V
802.11a CH 44 5220MHz		5090.74	52.75	-21.25	74	42.53	31.66	8.1	29.54	202	74	P	H
		5150	42.47	-11.53	54	32.16	31.69	8.17	29.55	202	74	A	H
	*	5220	108.07	-	-	97.65	31.73	8.25	29.56	202	74	P	H
	*	5220	100.29	-	-	89.87	31.73	8.25	29.56	202	74	A	H
		5426.4	51.98	-22.02	74	41.35	31.85	8.36	29.58	202	74	P	H
		5444.6	41.82	-12.18	54	31.13	31.86	8.41	29.58	202	74	A	H
		5027.82	52.61	-21.39	74	42.51	31.62	8.01	29.53	209	69	P	V
		5107.38	42.32	-11.68	54	32.06	31.67	8.13	29.54	209	69	A	V
	*	5220	108.67	-	-	98.25	31.73	8.25	29.56	209	69	P	V
	*	5220	100.44	-	-	90.02	31.73	8.25	29.56	209	69	A	V
		5433.96	51.83	-22.17	74	41.14	31.86	8.41	29.58	209	69	P	V
		5458.88	41.7	-12.3	54	30.96	31.87	8.46	29.59	209	69	A	V

802.11a CH 48 5240MHz		5106.34	53.5	-20.5	74	43.27	31.67	8.1	29.54	198	74	P	H
		5058.24	42.3	-11.7	54	32.14	31.64	8.06	29.54	198	74	A	H
	*	5240	107.98	-	-	97.55	31.74	8.25	29.56	198	74	P	H
	*	5240	99.91	-	-	89.48	31.74	8.25	29.56	198	74	A	H
		5361.16	52.45	-21.55	74	41.9	31.82	8.3	29.57	198	74	P	H
		5457.48	41.69	-12.31	54	30.95	31.87	8.46	29.59	198	74	A	H
		5067.08	52.51	-21.49	74	42.35	31.64	8.06	29.54	201	69	P	V
		5059.02	42.3	-11.7	54	32.14	31.64	8.06	29.54	201	69	A	V
	*	5240	108.23	-	-	97.8	31.74	8.25	29.56	201	69	P	V
	*	5240	100.55	-	-	90.12	31.74	8.25	29.56	201	69	A	V
		5412.68	51.68	-22.32	74	41.05	31.85	8.36	29.58	201	69	P	V
		5456.64	41.73	-12.27	54	30.99	31.87	8.46	29.59	201	69	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 36 5180MHz		10360	45.06	-23.14	68.2	52.97	39.76	12.34	60.01	100	0	P	H
		15540	44.22	-29.78	74	49.04	38.62	14.61	58.05	100	0	P	H
													H
													H
		10360	45.77	-22.43	68.2	53.68	39.76	12.34	60.01	100	0	P	V
		15540	44.52	-29.48	74	49.34	38.62	14.61	58.05	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	45.55	-22.65	68.2	53.46	39.88	12.36	60.15	100	0	P	H
		15660	43.22	-30.78	74	48.1	38.33	14.67	57.88	100	0	P	H
													H
													H
		10440	45.93	-22.27	68.2	53.84	39.88	12.36	60.15	100	0	P	V
		15660	43.69	-30.31	74	48.57	38.33	14.67	57.88	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	45.91	-22.29	68.2	53.82	39.97	12.38	60.26	100	0	P	H
		15720	44.75	-29.25	74	49.7	38.16	14.68	57.79	100	0	P	H
													H
													H
		10480	46.79	-21.41	68.2	54.7	39.97	12.38	60.26	100	0	P	V
		15720	44.38	-29.62	74	49.33	38.16	14.68	57.79	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 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5148.72	58.32	-15.68	74	48.01	31.69	8.17	29.55	299	104	P	H
		5149.24	43.64	-10.36	54	33.33	31.69	8.17	29.55	299	104	A	H
	*	5180	108.15	-	-	97.77	31.71	8.22	29.55	299	104	P	H
	*	5180	100.39	-	-	90.01	31.71	8.22	29.55	299	104	A	H
802.11n													H
HT20													H
CH 36		5141.96	56.26	-17.74	74	45.97	31.69	8.15	29.55	100	110	P	V
5180MHz		5141.96	43.11	-10.89	54	32.82	31.69	8.15	29.55	100	110	A	V
	*	5180	106.58	-	-	96.2	31.71	8.22	29.55	100	110	P	V
	*	5180	99.12	-	-	88.74	31.71	8.22	29.55	100	110	A	V
													V
													V
		5069.94	52.22	-21.78	74	42.06	31.64	8.06	29.54	294	105	P	H
		5142.48	42.45	-11.55	54	32.14	31.69	8.17	29.55	294	105	A	H
	*	5220	107.93	-	-	97.51	31.73	8.25	29.56	294	105	P	H
	*	5220	100.08	-	-	89.66	31.73	8.25	29.56	294	105	A	H
802.11n		5351.08	51.37	-22.63	74	40.84	31.81	8.29	29.57	294	105	P	H
HT20		5458.6	41.88	-12.12	54	31.14	31.87	8.46	29.59	294	105	A	H
CH 44		5149.24	53.7	-20.3	74	43.39	31.69	8.17	29.55	100	58	P	V
5220MHz		5133.64	42.47	-11.53	54	32.19	31.68	8.15	29.55	100	58	A	V
	*	5220	107.06	-	-	96.64	31.73	8.25	29.56	100	58	P	V
	*	5220	98.74	-	-	88.32	31.73	8.25	29.56	100	58	A	V
		5367.32	51.65	-22.35	74	41.1	31.82	8.3	29.57	100	58	P	V
		5459.44	41.85	-12.15	54	31.11	31.87	8.46	29.59	100	58	A	V

		5049.92	52.51	-21.49	74	42.38	31.63	8.04	29.54	205	75	P	H
		5087.36	42.31	-11.69	54	32.12	31.65	8.08	29.54	205	75	A	H
	*	5240	107.61	-	-	97.18	31.74	8.25	29.56	205	75	P	H
	*	5240	99.76	-	-	89.33	31.74	8.25	29.56	205	75	A	H
802.11n		5459.44	52.43	-21.57	74	41.69	31.87	8.46	29.59	205	75	P	H
HT20		5457.2	41.77	-12.23	54	31.03	31.87	8.46	29.59	205	75	A	H
CH 48		5077.74	52.32	-21.68	74	42.13	31.65	8.08	29.54	199	69	P	V
5240MHz		5085.54	42.29	-11.71	54	32.1	31.65	8.08	29.54	199	69	A	V
	*	5240	108.05	-	-	97.62	31.74	8.25	29.56	199	69	P	V
	*	5240	100.11	-	-	89.68	31.74	8.25	29.56	199	69	A	V
		5357.24	51.63	-22.37	74	41.1	31.81	8.29	29.57	199	69	P	V
		5460	41.85	-12.15	54	31.11	31.87	8.46	29.59	199	69	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10360	45.85	-22.35	68.2	53.76	39.76	12.34	60.01	100	0	P	H
		15540	45.5	-28.5	74	50.32	38.62	14.61	58.05	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	45.37	-22.83	68.2	53.28	39.76	12.34	60.01	100	0	P	V
5180MHz		15540	44.51	-29.49	74	49.33	38.62	14.61	58.05	100	0	P	V
													V
													V
		10440	46.08	-22.12	68.2	53.99	39.88	12.36	60.15	100	0	P	H
		15660	43.87	-30.13	74	48.75	38.33	14.67	57.88	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	45.64	-22.56	68.2	53.55	39.88	12.36	60.15	100	0	P	V
5220MHz		15660	44.26	-29.74	74	49.14	38.33	14.67	57.88	100	0	P	V
													V
													V
		10480	46.74	-21.46	68.2	54.65	39.97	12.38	60.26	100	0	P	H
		15720	44.77	-29.23	74	49.72	38.16	14.68	57.79	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	46.14	-22.06	68.2	54.05	39.97	12.38	60.26	100	0	P	V
5240MHz		15720	44.32	-29.68	74	49.27	38.16	14.68	57.79	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 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5149.24	56.27	-17.73	74	45.96	31.69	8.17	29.55	302	92	P	H
		5150	47.39	-6.61	54	37.08	31.69	8.17	29.55	302	92	A	H
	*	5190	104.74	-	-	94.36	31.71	8.22	29.55	302	92	P	H
	*	5190	97.64	-	-	87.26	31.71	8.22	29.55	302	92	A	H
802.11n		5407.92	50.81	-23.19	74	40.24	31.84	8.31	29.58	302	92	P	H
HT40		5459.16	42.31	-11.69	54	31.57	31.87	8.46	29.59	302	92	A	H
CH 38		5149.5	55.56	-18.44	74	45.25	31.69	8.17	29.55	194	57	P	V
5190MHz		5149.24	46.9	-7.1	54	36.59	31.69	8.17	29.55	194	57	A	V
	*	5190	104.07	-	-	93.69	31.71	8.22	29.55	194	57	P	V
	*	5190	96.8	-	-	86.42	31.71	8.22	29.55	194	57	A	V
		5394.48	50.8	-23.2	74	40.24	31.83	8.31	29.58	194	57	P	V
		5455.8	42.26	-11.74	54	31.52	31.87	8.46	29.59	194	57	A	V
		5084.76	53.46	-20.54	74	43.27	31.65	8.08	29.54	295	105	P	H
		5142.48	43.21	-10.79	54	32.9	31.69	8.17	29.55	295	105	A	H
	*	5230	105.22	-	-	94.79	31.74	8.25	29.56	295	105	P	H
	*	5230	97.85	-	-	87.42	31.74	8.25	29.56	295	105	A	H
802.11n		5365.92	51.73	-22.27	74	41.18	31.82	8.3	29.57	295	105	P	H
HT40		5448.8	42.43	-11.57	54	31.68	31.87	8.46	29.58	295	105	A	H
CH 46		5056.16	52.47	-21.53	74	42.31	31.64	8.06	29.54	100	57	P	V
5230MHz		5036.14	43.24	-10.76	54	33.11	31.62	8.04	29.53	100	57	A	V
	*	5230	104.19	-	-	93.76	31.74	8.25	29.56	100	57	P	V
	*	5230	96.52	-	-	86.09	31.74	8.25	29.56	100	57	A	V
		5450.76	51.15	-22.85	74	40.41	31.87	8.46	29.59	100	57	P	V
		5459.44	42.56	-11.44	54	31.82	31.87	8.46	29.59	100	57	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10380	45.68	-22.52	68.2	53.59	39.79	12.34	60.04	100	0	P	H
		15570	43.89	-30.11	74	48.74	38.53	14.62	58	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	45.65	-22.55	68.2	53.56	39.79	12.34	60.04	100	0	P	V
5190MHz		15570	44.56	-29.44	74	49.41	38.53	14.62	58	100	0	P	V
													V
													V
		10460	47.67	-20.53	68.2	55.58	39.91	12.37	60.19	100	0	P	H
		15690	43.21	-30.79	74	48.13	38.24	14.67	57.83	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	46.57	-21.63	68.2	54.48	39.91	12.37	60.19	100	0	P	V
5230MHz		15690	44.66	-29.34	74	49.58	38.24	14.67	57.83	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		5148.46	62.3	-11.7	74	51.99	31.69	8.17	29.55	281	95	P	H
		5147.68	48.11	-5.89	54	37.8	31.69	8.17	29.55	281	95	A	H
	*	5210	102.55	-	-	92.14	31.73	8.24	29.56	281	95	P	H
	*	5210	94.78	-	-	84.37	31.73	8.24	29.56	281	95	A	H
		5391.12	51.25	-22.75	74	40.7	31.83	8.3	29.58	281	95	P	H
		5361.44	42.82	-11.18	54	32.27	31.82	8.3	29.57	281	95	A	H
		5147.16	62.02	-11.98	74	51.71	31.69	8.17	29.55	264	66	P	V
		5149.5	47.95	-6.05	54	37.64	31.69	8.17	29.55	264	66	A	V
	*	5210	102.32	-	-	91.91	31.73	8.24	29.56	264	66	P	V
	*	5210	94.4	-	-	83.99	31.73	8.24	29.56	264	66	A	V
		5412.68	51.98	-22.02	74	41.35	31.85	8.36	29.58	264	66	P	V
		5353.04	42.79	-11.21	54	32.26	31.81	8.29	29.57	264	66	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10420	46.27	-21.93	68.2	54.18	39.85	12.36	60.12	100	0	P	H
		15630	42.34	-31.66	74	47.23	38.37	14.65	57.91	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	45.58	-22.62	68.2	53.49	39.85	12.36	60.12	100	0	P	V
5210MHz		15630	42.38	-31.62	74	47.27	38.37	14.65	57.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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		5027.2	52.98	-21.02	74	42.88	31.62	8.01	29.53	203	73	P	H
		5098.94	42.37	-11.63	54	32.15	31.66	8.1	29.54	203	73	A	H
	*	5260	108.44	-	-	97.98	31.76	8.26	29.56	203	73	P	H
	*	5260	100.04	-	-	89.58	31.76	8.26	29.56	203	73	A	H
		5453.28	51.78	-22.22	74	41.04	31.87	8.46	29.59	203	73	P	H
		5454.48	41.76	-12.24	54	31.02	31.87	8.46	29.59	203	73	A	H
		5046.24	51.99	-22.01	74	41.86	31.63	8.04	29.54	204	69	P	V
		5070.72	42.2	-11.8	54	32.02	31.64	8.08	29.54	204	69	A	V
	*	5260	108.39	-	-	97.93	31.76	8.26	29.56	204	69	P	V
	*	5260	100.63	-	-	90.17	31.76	8.26	29.56	204	69	A	V
		5365.68	51.37	-22.63	74	40.82	31.82	8.3	29.57	204	69	P	V
		5452.32	41.66	-12.34	54	30.92	31.87	8.46	29.59	204	69	A	V
802.11a CH 60 5300MHz		5133.62	52.2	-21.8	74	41.92	31.68	8.15	29.55	196	74	P	H
		5115.26	42.24	-11.76	54	31.98	31.67	8.13	29.54	196	74	A	H
	*	5300	107.48	-	-	97	31.78	8.27	29.57	196	74	P	H
	*	5300	99.8	-	-	89.32	31.78	8.27	29.57	196	74	A	H
		5360.16	53.86	-20.14	74	43.32	31.81	8.3	29.57	196	74	P	H
		5358.48	42.96	-11.04	54	32.42	31.81	8.3	29.57	196	74	A	H
		5062.22	52.06	-21.94	74	41.9	31.64	8.06	29.54	202	69	P	V
		5093.5	42.28	-11.72	54	32.06	31.66	8.1	29.54	202	69	A	V
	*	5300	108.48	-	-	98	31.78	8.27	29.57	202	69	P	V
	*	5300	100.5	-	-	90.02	31.78	8.27	29.57	202	69	A	V
		5351.76	56.05	-17.95	74	45.52	31.81	8.29	29.57	202	69	P	V
		5350.56	43.48	-10.52	54	32.95	31.81	8.29	29.57	202	69	A	V

802.11a CH 64 5320MHz	*	5320	108.08	-	-	97.58	31.79	8.28	29.57	291	157	P	H
	*	5320	100.12	-	-	89.62	31.79	8.28	29.57	291	157	A	H
		5373.12	58.46	-15.54	74	47.91	31.82	8.3	29.57	291	157	P	H
		5363.2	44.08	-9.92	54	33.53	31.82	8.3	29.57	291	157	A	H
													H
													H
	*	5320	107.94	-	-	97.44	31.79	8.28	29.57	200	65	P	V
	*	5320	100.08	-	-	89.58	31.79	8.28	29.57	200	65	A	V
		5358.88	58.01	-15.99	74	47.47	31.81	8.3	29.57	200	65	P	V
		5364.16	44.07	-9.93	54	33.52	31.82	8.3	29.57	200	65	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 52 5260MHz		10520	46.63	-21.57	68.2	54.56	40.02	12.39	60.34	100	0	P	H
		15780	43.19	-30.81	74	48.15	38.04	14.71	57.71	100	0	P	H
													H
													H
		10520	46.23	-21.97	68.2	54.16	40.02	12.39	60.34	100	0	P	V
		15780	43.77	-30.23	74	48.73	38.04	14.71	57.71	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	45.79	-28.21	74	53.83	40.1	12.41	60.55	100	0	P	H
		15900	44.56	-29.44	74	49.58	37.75	14.77	57.54	100	0	P	H
													H
													H
		10600	45.98	-28.02	74	54.02	40.1	12.41	60.55	100	0	P	V
		15900	45.15	-28.85	74	50.17	37.75	14.77	57.54	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	46.3	-27.7	74	54.38	40.14	12.41	60.63	100	0	P	H
		15960	44.23	-29.77	74	49.32	37.58	14.78	57.45	100	0	P	H
													H
													H
		10640	47.19	-26.81	74	55.27	40.14	12.41	60.63	100	0	P	V
		15960	43.89	-30.11	74	48.98	37.58	14.78	57.45	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 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5147.9	52.93	-21.07	74	42.62	31.69	8.17	29.55	208	73	P	H
		5055.08	42.38	-11.62	54	32.22	31.64	8.06	29.54	208	73	A	H
	*	5260	106.62	-	-	96.16	31.76	8.26	29.56	208	73	P	H
	*	5260	99.15	-	-	88.69	31.76	8.26	29.56	208	73	A	H
802.11n		5418.96	51.94	-22.06	74	41.31	31.85	8.36	29.58	208	73	P	H
HT20		5449.44	41.77	-12.23	54	31.02	31.87	8.46	29.58	208	73	A	H
CH 52		5064.94	52.49	-21.51	74	42.33	31.64	8.06	29.54	216	75	P	V
5260MHz		5100.64	42.87	-11.13	54	32.65	31.66	8.1	29.54	216	75	A	V
	*	5260	107.44	-	-	96.98	31.76	8.26	29.56	216	75	P	V
	*	5260	99.9	-	-	89.44	31.76	8.26	29.56	216	75	A	V
		5436.24	51.9	-22.1	74	41.21	31.86	8.41	29.58	216	75	P	V
		5358.96	42.07	-11.93	54	31.53	31.81	8.3	29.57	216	75	A	V
		5086.7	51.08	-22.92	74	40.89	31.65	8.08	29.54	201	72	P	H
		5062.56	42.26	-11.74	54	32.1	31.64	8.06	29.54	201	72	A	H
	*	5300	107	-	-	96.52	31.78	8.27	29.57	201	72	P	H
	*	5300	99.05	-	-	88.57	31.78	8.27	29.57	201	72	A	H
802.11n		5360.4	52.63	-21.37	74	42.09	31.81	8.3	29.57	201	72	P	H
HT20		5350.32	43.37	-10.63	54	32.84	31.81	8.29	29.57	201	72	A	H
CH 60		5066.3	52.78	-21.22	74	42.62	31.64	8.06	29.54	213	75	P	V
5300MHz		5041.48	42.45	-11.55	54	32.31	31.63	8.04	29.53	213	75	A	V
	*	5300	107.52	-	-	97.04	31.78	8.27	29.57	213	75	P	V
	*	5300	99.58	-	-	89.1	31.78	8.27	29.57	213	75	A	V
		5354.16	56.85	-17.15	74	46.32	31.81	8.29	29.57	213	75	P	V
		5352	44.01	-9.99	54	33.48	31.81	8.29	29.57	213	75	A	V

	*	5320	106.98	-	-	96.48	31.79	8.28	29.57	256	144	P	H
	*	5320	99.43	-	-	88.93	31.79	8.28	29.57	256	144	A	H
		5368.8	58.32	-15.68	74	47.77	31.82	8.3	29.57	256	144	P	H
		5350.4	44.1	-9.9	54	33.57	31.81	8.29	29.57	256	144	A	H
802.11n													H
HT20													H
CH 64	*	5320	107.27	-	-	96.77	31.79	8.28	29.57	100	10	P	V
5320MHz	*	5320	99.31	-	-	88.81	31.79	8.28	29.57	100	10	A	V
		5361.12	59.39	-14.61	74	48.84	31.82	8.3	29.57	100	10	P	V
		5365.44	43.93	-10.07	54	33.38	31.82	8.3	29.57	100	10	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10520	46.48	-21.72	68.2	54.41	40.02	12.39	60.34	100	0	P	H
		15780	42.17	-31.83	74	47.13	38.04	14.71	57.71	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	46.27	-21.93	68.2	54.2	40.02	12.39	60.34	100	0	P	V
5260MHz		15780	43.72	-30.28	74	48.68	38.04	14.71	57.71	100	0	P	V
													V
													V
		10600	46.73	-27.27	74	54.77	40.1	12.41	60.55	100	0	P	H
		15900	42.69	-31.31	74	47.71	37.75	14.77	57.54	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	46.56	-27.44	74	54.6	40.1	12.41	60.55	100	0	P	V
5300MHz		15900	42.41	-31.59	74	47.43	37.75	14.77	57.54	100	0	P	V
													V
													V
		10640	46.43	-27.57	74	54.51	40.14	12.41	60.63	100	0	P	H
		15960	42.52	-31.48	74	47.61	37.58	14.78	57.45	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	46.06	-27.94	74	54.14	40.14	12.41	60.63	100	0	P	V
5320MHz		15960	42.56	-31.44	74	47.65	37.58	14.78	57.45	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 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5032.64	52.58	-21.42	74	42.48	31.62	8.01	29.53	290	106	P	H
		5126.48	43.29	-10.71	54	33.01	31.68	8.15	29.55	290	106	A	H
	*	5270	105.91	-	-	95.44	31.76	8.27	29.56	290	106	P	H
	*	5270	97.81	-	-	87.34	31.76	8.27	29.56	290	106	A	H
802.11n		5358.96	53.18	-20.82	74	42.64	31.81	8.3	29.57	290	106	P	H
HT40		5350.32	43.15	-10.85	54	32.62	31.81	8.29	29.57	290	106	A	H
CH 54		5065.62	52.49	-21.51	74	42.33	31.64	8.06	29.54	206	65	P	V
5270MHz		5115.94	43.61	-10.39	54	33.35	31.67	8.13	29.54	206	65	A	V
	*	5270	105.98	-	-	95.51	31.76	8.27	29.56	206	65	P	V
	*	5270	97.81	-	-	87.34	31.76	8.27	29.56	206	65	A	V
		5351.52	54.1	-19.9	74	43.57	31.81	8.29	29.57	206	65	P	V
		5352.24	43.91	-10.09	54	33.38	31.81	8.29	29.57	206	65	A	V
		5112.54	51.86	-22.14	74	41.6	31.67	8.13	29.54	311	99	P	H
		5079.9	43.27	-10.73	54	33.08	31.65	8.08	29.54	311	99	A	H
	*	5310	105.47	-	-	94.97	31.79	8.28	29.57	311	99	P	H
	*	5310	97.75	-	-	87.25	31.79	8.28	29.57	311	99	A	H
802.11n		5358	59.83	-14.17	74	49.3	31.81	8.29	29.57	311	99	P	H
HT40		5350.56	48.97	-5.03	54	38.44	31.81	8.29	29.57	311	99	A	H
CH 62		5081.26	52.37	-21.63	74	42.18	31.65	8.08	29.54	203	63	P	V
5310MHz		5061.2	43.08	-10.92	54	32.92	31.64	8.06	29.54	203	63	A	V
	*	5310	104.36	-	-	93.86	31.79	8.28	29.57	203	63	P	V
	*	5310	96.55	-	-	86.05	31.79	8.28	29.57	203	63	A	V
		5357.28	57.58	-16.42	74	47.05	31.81	8.29	29.57	203	63	P	V
		5351.04	47.65	-6.35	54	37.12	31.81	8.29	29.57	203	63	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10540	46.88	-21.32	68.2	54.84	40.03	12.39	60.38	100	0	P	H
		15810	42.54	-31.46	74	47.52	37.96	14.73	57.67	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	46.2	-22	68.2	54.16	40.03	12.39	60.38	100	0	P	V
5270MHz		15810	42.35	-31.65	74	47.33	37.96	14.73	57.67	100	0	P	V
													V
													V
		10620	46.13	-27.87	74	54.19	40.12	12.41	60.59	100	0	P	H
		15930	42.04	-31.96	74	47.09	37.67	14.78	57.5	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	45.83	-28.17	74	53.89	40.12	12.41	60.59	100	0	P	V
5310MHz		15930	42.54	-31.46	74	47.59	37.67	14.78	57.5	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11ac VHT80 CH 58 5290MHz		5078.2	52.19	-21.81	74	42	31.65	8.08	29.54	276	89	P	H
		5084.66	43.15	-10.85	54	32.96	31.65	8.08	29.54	276	89	A	H
	*	5290	100.8	-	-	90.32	31.77	8.27	29.56	276	89	P	H
	*	5290	93.69	-	-	83.21	31.77	8.27	29.56	276	89	A	H
		5365.44	57.69	-16.31	74	47.14	31.82	8.3	29.57	276	89	P	H
		5352.72	50.14	-3.86	54	39.61	31.81	8.29	29.57	276	89	A	H
		5037.06	51.31	-22.69	74	41.18	31.62	8.04	29.53	269	67	P	V
		5059.84	43.2	-10.8	54	33.04	31.64	8.06	29.54	269	67	A	V
	*	5290	100.96	-	-	90.48	31.77	8.27	29.56	269	67	P	V
	*	5290	93.9	-	-	83.42	31.77	8.27	29.56	269	67	A	V
		5360.16	58.15	-15.85	74	47.61	31.81	8.3	29.57	269	67	P	V
		5350.8	50.16	-3.84	54	39.63	31.81	8.29	29.57	269	67	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10580	47.29	-20.91	68.2	55.31	40.09	12.4	60.51	100	0	P	H
		15870	43.17	-30.83	74	48.2	37.79	14.75	57.57	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	45.79	-22.41	68.2	53.81	40.09	12.4	60.51	100	0	P	V
5290MHz		15870	43.47	-30.53	74	48.5	37.79	14.75	57.57	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5458.96	56.67	-17.33	74	45.93	31.87	8.46	29.59	198	111	P	H
		5462.32	59.91	-8.29	68.2	49.17	31.87	8.46	29.59	198	111	P	H
		5460	43.92	-10.08	54	33.18	31.87	8.46	29.59	198	111	A	H
	*	5500	107.26	-	-	96.39	31.9	8.56	29.59	198	111	P	H
	*	5500	99.39	-	-	88.52	31.9	8.56	29.59	198	111	A	H
													H
		5458.16	59.53	-14.47	74	48.79	31.87	8.46	29.59	200	65	P	V
		5462.32	59.94	-8.26	68.2	49.2	31.87	8.46	29.59	200	65	P	V
		5458.16	44.72	-9.28	54	33.98	31.87	8.46	29.59	200	65	A	V
	*	5500	108.1	-	-	97.23	31.9	8.56	29.59	200	65	P	V
	*	5500	100.24	-	-	89.37	31.9	8.56	29.59	200	65	A	V
													V
802.11a CH 116 5580MHz		5452.72	51.99	-22.01	74	41.25	31.87	8.46	29.59	202	68	P	H
		5460.64	51.18	-17.02	68.2	40.44	31.87	8.46	29.59	202	68	P	H
		5457.28	41.91	-12.09	54	31.17	31.87	8.46	29.59	202	68	A	H
	*	5580	108.48	-	-	97.31	32	8.8	29.63	202	68	P	H
	*	5580	100.66	-	-	89.49	32	8.8	29.63	202	68	A	H
		5736.335	52.6	-15.6	68.2	41.24	32.24	8.81	29.69	202	68	P	H
		5434.96	51.41	-22.59	74	40.72	31.86	8.41	29.58	197	69	P	V
		5466.4	51.21	-16.99	68.2	40.41	31.88	8.51	29.59	197	69	P	V
		5456.56	41.59	-12.41	54	30.85	31.87	8.46	29.59	197	69	A	V
	*	5580	108.63	-	-	97.46	32	8.8	29.63	197	69	P	V
	*	5580	101.01	-	-	89.84	32	8.8	29.63	197	69	A	V
		5748.935	51.94	-16.26	68.2	40.58	32.24	8.81	29.69	197	69	P	V

802.11a CH 140 5700MHz	*	5700	109.82	-	-	98.5	32.17	8.82	29.67	196	106	P	H
	*	5700	101.53	-	-	90.21	32.17	8.82	29.67	196	106	A	H
		5734.04	62.35	-5.85	68.2	51.01	32.21	8.82	29.69	196	106	P	H
													H
													H
													H
	*	5700	108.6	-	-	97.28	32.17	8.82	29.67	200	66	P	V
	*	5700	100.64	-	-	89.32	32.17	8.82	29.67	200	66	A	V
		5726.76	60.44	-7.76	68.2	49.09	32.21	8.82	29.68	200	66	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 100 5500MHz		11000	46.7	-27.3	74	55.19	40.5	12.51	61.5	100	0	P	H
		16500	45.77	-22.43	68.2	48.75	39.4	14.92	57.3	100	0	P	H
													H
													H
		11000	47.95	-26.05	74	56.44	40.5	12.51	61.5	100	0	P	V
		16500	46.08	-22.12	68.2	49.06	39.4	14.92	57.3	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	47.1	-26.9	74	55.74	40.3	12.59	61.53	100	0	P	H
		16740	45.91	-22.29	68.2	48.08	39.69	14.96	56.82	100	0	P	H
													H
													H
		11160	48.1	-25.9	74	56.74	40.3	12.59	61.53	100	0	P	V
		16740	47.18	-21.02	68.2	49.35	39.69	14.96	56.82	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	46.06	-27.94	74	54.9	40.02	12.72	61.58	100	0	P	H
		17100	48.08	-20.12	68.2	48.74	40.36	15.06	56.08	100	0	P	H
													H
													H
		11400	45.81	-28.19	74	54.65	40.02	12.72	61.58	100	0	P	V
		17100	47.7	-20.5	68.2	48.36	40.36	15.06	56.08	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (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)
		5459.12	55.53	-18.47	74	44.79	31.87	8.46	29.59	283	165	P	H
		5467.6	57.79	-10.41	68.2	46.99	31.88	8.51	29.59	283	165	P	H
		5456.4	42.87	-11.13	54	32.13	31.87	8.46	29.59	283	165	A	H
	*	5500	105.6	-	-	94.73	31.9	8.56	29.59	283	165	P	H
802.11n	*	5500	97.78	-	-	86.91	31.9	8.56	29.59	283	165	A	H
HT20													H
CH 100		5456.24	56.78	-17.22	74	46.04	31.87	8.46	29.59	106	3	P	V
5500MHz		5465.84	56.07	-12.13	68.2	45.32	31.88	8.46	29.59	106	3	P	V
		5457.68	42.83	-11.17	54	32.09	31.87	8.46	29.59	106	3	A	V
	*	5500	106.35	-	-	95.48	31.9	8.56	29.59	106	3	P	V
	*	5500	98.29	-	-	87.42	31.9	8.56	29.59	106	3	A	V
													V
		5424.16	51.57	-22.43	74	40.94	31.85	8.36	29.58	203	69	P	H
		5465.68	52.42	-15.78	68.2	41.67	31.88	8.46	29.59	203	69	P	H
		5456.32	41.89	-12.11	54	31.15	31.87	8.46	29.59	203	69	A	H
	*	5580	108.13	-	-	96.96	32	8.8	29.63	203	69	P	H
802.11n	*	5580	100.53	-	-	89.36	32	8.8	29.63	203	69	A	H
HT20		5756.495	52.98	-15.22	68.2	41.62	32.26	8.81	29.71	203	69	P	H
CH 116		5454.4	51.17	-22.83	74	40.43	31.87	8.46	29.59	209	74	P	V
5580MHz		5469.04	51.75	-16.45	68.2	40.95	31.88	8.51	29.59	209	74	P	V
		5459.92	41.96	-12.04	54	31.22	31.87	8.46	29.59	209	74	A	V
	*	5580	107.73	-	-	96.56	32	8.8	29.63	209	74	P	V
	*	5580	100.14	-	-	88.97	32	8.8	29.63	209	74	A	V
		5749.25	52.59	-15.61	68.2	41.23	32.24	8.81	29.69	209	74	P	V

	*	5700	106.06	-	-	94.74	32.17	8.82	29.67	288	165	P	H
	*	5700	98.53	-	-	87.21	32.17	8.82	29.67	288	165	A	H
		5727.4	59.55	-8.65	68.2	48.2	32.21	8.82	29.68	288	165	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	106.46	-	-	95.14	32.17	8.82	29.67	114	358	P	V
5700MHz	*	5700	99.43	-	-	88.11	32.17	8.82	29.67	114	358	A	V
		5732.52	60.85	-7.35	68.2	49.51	32.21	8.82	29.69	114	358	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 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11000	45.56	-28.44	74	54.05	40.5	12.51	61.5	100	0	P	H
		16500	44.4	-23.8	68.2	47.38	39.4	14.92	57.3	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	47.85	-26.15	74	56.34	40.5	12.51	61.5	100	0	P	V
5500MHz		16500	43.54	-24.66	68.2	46.52	39.4	14.92	57.3	100	0	P	V
													V
													V
		11160	48.56	-25.44	74	57.2	40.3	12.59	61.53	100	0	P	H
		16740	47.36	-20.84	68.2	49.53	39.69	14.96	56.82	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	47.64	-26.36	74	56.28	40.3	12.59	61.53	100	0	P	V
5580MHz		16740	46.83	-21.37	68.2	49	39.69	14.96	56.82	100	0	P	V
													V
													V
		11400	45.75	-28.25	74	54.59	40.02	12.72	61.58	100	0	P	H
		17100	46.14	-22.06	68.2	46.8	40.36	15.06	56.08	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	46.46	-27.54	74	55.3	40.02	12.72	61.58	100	0	P	V
5700MHz		17100	46.77	-21.43	68.2	47.43	40.36	15.06	56.08	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (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)
		5455.36	58.61	-15.39	74	47.87	31.87	8.46	29.59	198	104	P	H
		5468.8	59.68	-8.52	68.2	48.88	31.88	8.51	29.59	198	104	P	H
		5458	45.47	-8.53	54	34.73	31.87	8.46	29.59	198	104	A	H
	*	5510	106.19	-	-	95.29	31.9	8.6	29.6	198	104	P	H
802.11n	*	5510	97.55	-	-	86.65	31.9	8.6	29.6	198	104	A	H
HT40		5757.755	52.53	-15.67	68.2	41.17	32.26	8.81	29.71	198	104	P	H
CH 102		5459.44	58.52	-15.48	74	47.78	31.87	8.46	29.59	201	66	P	V
5510MHz		5468.32	58.96	-9.24	68.2	48.16	31.88	8.51	29.59	201	66	P	V
		5457.52	44.88	-9.12	54	34.14	31.87	8.46	29.59	201	66	A	V
	*	5510	105.66	-	-	94.76	31.9	8.6	29.6	201	66	P	V
	*	5510	97.28	-	-	86.38	31.9	8.6	29.6	201	66	A	V
		5742.635	52.09	-16.11	68.2	40.73	32.24	8.81	29.69	201	66	P	V
		5456.8	53.06	-20.94	74	42.32	31.87	8.46	29.59	265	142	P	H
		5469.52	54.73	-13.47	68.2	43.93	31.88	8.51	29.59	265	142	P	H
		5455.84	43.54	-10.46	54	32.8	31.87	8.46	29.59	265	142	A	H
	*	5550	105.65	-	-	94.59	31.97	8.7	29.61	265	142	P	H
802.11n	*	5550	97.31	-	-	86.25	31.97	8.7	29.61	265	142	A	H
HT40		5746.1	52.37	-15.83	68.2	41.01	32.24	8.81	29.69	265	142	P	H
CH 110		5458.72	54.07	-19.93	74	43.33	31.87	8.46	29.59	114	357	P	V
5550MHz		5468.08	53.76	-14.44	68.2	42.96	31.88	8.51	29.59	114	357	P	V
		5457.28	43.28	-10.72	54	32.54	31.87	8.46	29.59	114	357	A	V
	*	5550	105.74	-	-	94.68	31.97	8.7	29.61	114	357	P	V
	*	5550	97.31	-	-	86.25	31.97	8.7	29.61	114	357	A	V
		5730.35	53.35	-14.85	68.2	42.01	32.21	8.82	29.69	114	357	P	V

		5395.85	51.18	-22.82	74	40.61	31.84	8.31	29.58	199	107	P	H
		5463.4	50.86	-17.34	68.2	40.11	31.88	8.46	29.59	199	107	P	H
		5457.45	42.33	-11.67	54	31.59	31.87	8.46	29.59	199	107	A	H
	*	5670	107.5	-	-	96.19	32.14	8.83	29.66	199	107	P	H
802.11n	*	5670	99.33	-	-	88.02	32.14	8.83	29.66	199	107	A	H
HT40		5725.94	61.34	-6.86	68.2	49.99	32.21	8.82	29.68	199	107	P	H
CH 134		5442.75	51.38	-22.62	74	40.69	31.86	8.41	29.58	198	67	P	V
5670MHz		5468.65	50.85	-17.35	68.2	40.05	31.88	8.51	29.59	198	67	P	V
		5456.75	42.29	-11.71	54	31.55	31.87	8.46	29.59	198	67	A	V
	*	5670	106.66	-	-	95.35	32.14	8.83	29.66	198	67	P	V
	*	5670	98.28	-	-	86.97	32.14	8.83	29.66	198	67	A	V
		5726.57	59.57	-8.63	68.2	48.22	32.21	8.82	29.68	198	67	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11020	46.43	-27.57	74	54.92	40.48	12.53	61.5	100	0	P	H
		16530	44.96	-23.24	68.2	47.83	39.44	14.92	57.23	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	47.6	-26.4	74	56.09	40.48	12.53	61.5	100	0	P	V
5510MHz		16530	43.63	-24.57	68.2	46.5	39.44	14.92	57.23	100	0	P	V
													V
													V
		11100	46.99	-27.01	74	55.57	40.38	12.56	61.52	100	0	P	H
		16650	43.38	-24.82	68.2	45.83	39.59	14.95	56.99	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	47.08	-26.92	74	55.66	40.38	12.56	61.52	100	0	P	V
5550MHz		16650	43.48	-24.72	68.2	45.93	39.59	14.95	56.99	100	0	P	V
													V
													V
		11340	45.7	-28.3	74	54.49	40.1	12.68	61.57	100	0	P	H
		17010	45.38	-22.82	68.2	46.56	40.06	15.02	56.26	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	45.77	-28.23	74	54.56	40.1	12.68	61.57	100	0	P	V
5670MHz		17010	45.09	-23.11	68.2	46.27	40.06	15.02	56.26	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5443.6	54.58	-19.42	74	43.89	31.86	8.41	29.58	202	110	P	H
		5460.64	55.38	-12.82	68.2	44.64	31.87	8.46	29.59	202	110	P	H
		5456.8	44.8	-9.2	54	34.06	31.87	8.46	29.59	202	110	A	H
	*	5530	102.79	-	-	91.83	31.92	8.65	29.61	202	110	P	H
802.11ac	*	5530	94.21	-	-	83.25	31.92	8.65	29.61	202	110	A	H
VHT80		5758.07	52.03	-16.17	68.2	40.67	32.26	8.81	29.71	202	110	P	H
CH 106		5446	54.32	-19.68	74	43.62	31.87	8.41	29.58	202	66	P	V
5530MHz		5465.2	55.2	-13	68.2	44.45	31.88	8.46	29.59	202	66	P	V
		5459.92	45.38	-8.62	54	34.64	31.87	8.46	29.59	202	66	A	V
	*	5530	102.78	-	-	91.82	31.92	8.65	29.61	202	66	P	V
	*	5530	94.4	-	-	83.44	31.92	8.65	29.61	202	66	A	V
		5758.07	50.47	-17.73	68.2	39.11	32.26	8.81	29.71	202	66	P	V
		5448.88	50.43	-23.57	74	39.68	31.87	8.46	29.58	202	110	P	H
		5467.6	50.17	-18.03	68.2	39.37	31.88	8.51	29.59	202	110	P	H
		5459.92	42.45	-11.55	54	31.71	31.87	8.46	29.59	202	110	A	H
	*	5610	103.76	-	-	92.51	32.04	8.85	29.64	202	110	P	H
802.11ac	*	5610	95.32	-	-	84.07	32.04	8.85	29.64	202	110	A	H
VHT80		5732.24	51.65	-16.55	68.2	40.31	32.21	8.82	29.69	202	110	P	H
CH 122		5455.12	51.94	-22.06	74	41.2	31.87	8.46	29.59	201	65	P	V
5610MHz		5466.16	52.07	-16.13	68.2	41.27	31.88	8.51	29.59	201	65	P	V
		5459.44	42.92	-11.08	54	32.18	31.87	8.46	29.59	201	65	A	V
	*	5610	103.69	-	-	92.44	32.04	8.85	29.64	201	65	P	V
	*	5610	94.93	-	-	83.68	32.04	8.85	29.64	201	65	A	V
		5742.32	51.57	-16.63	68.2	40.21	32.24	8.81	29.69	201	65	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11060	45.65	-28.35	74	54.19	40.42	12.55	61.51	100	0	P	H
		16590	43.11	-25.09	68.2	45.81	39.5	14.93	57.13	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	45.53	-28.47	74	54.07	40.42	12.55	61.51	100	0	P	V
5530MHz		16590	44.05	-24.15	68.2	46.75	39.5	14.93	57.13	100	0	P	V
													V
													V
		11220	45.68	-28.32	74	54.35	40.24	12.63	61.54	100	0	P	H
		16830	45	-23.2	68.2	46.86	39.79	14.99	56.64	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	45.54	-28.46	74	54.21	40.24	12.63	61.54	100	0	P	V
5610MHz		16830	43.43	-24.77	68.2	45.29	39.79	14.99	56.64	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	*	5720	107.84	-	-	96.49	32.21	8.82	29.68	205	70	P	H
	*	5720	100.22	-	-	88.87	32.21	8.82	29.68	205	70	A	H
													H
													H
													H
													H
	*	5720	108.83	-	-	97.48	32.21	8.82	29.68	200	69	P	V
	*	5720	101	-	-	89.65	32.21	8.82	29.68	200	69	A	V
													V
													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 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 144 5720MHz		11440	46.36	-27.64	74	55.25	39.98	12.72	61.59	100	0	P	H
		17160	48.64	-19.56	68.2	48.9	40.6	15.07	55.93	100	0	P	H
													H
													H
		11440	46.53	-27.47	74	55.42	39.98	12.72	61.59	100	0	P	V
		17160	47.29	-20.91	68.2	47.55	40.6	15.07	55.93	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 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
	*	5720	108.29	-	-	96.94	32.21	8.82	29.68	207	66	P	H
	*	5720	100.27	-	-	88.92	32.21	8.82	29.68	207	66	A	H
													H
													H
802.11n													H
HT20													H
CH 144	*	5720	108.52	-	-	97.17	32.21	8.82	29.68	210	73	P	V
5720MHz	*	5720	100.55	-	-	89.2	32.21	8.82	29.68	210	73	A	V
													V
													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 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11440	46.25	-27.75	74	55.14	39.98	12.72	61.59	100	0	P	H
		17160	47.27	-20.93	68.2	47.53	40.6	15.07	55.93	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	46.2	-27.8	74	55.09	39.98	12.72	61.59	100	0	P	V
5720MHz		17160	47.13	-21.07	68.2	47.39	40.6	15.07	55.93	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 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
	*	5710	106.48	-	-	95.15	32.19	8.82	29.68	207	67	P	H
	*	5710	98.31	-	-	86.98	32.19	8.82	29.68	207	67	A	H
													H
													H
802.11n													H
HT40													H
CH 142	*	5710	106.82	-	-	95.49	32.19	8.82	29.68	222	73	P	V
5710MHz	*	5710	98.83	-	-	87.5	32.19	8.82	29.68	222	73	A	V
													V
													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 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11420	45.63	-28.37	74	54.5	40	12.71	61.58	100	0	P	H
		17130	46.99	-21.21	68.2	47.44	40.48	15.08	56.01	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	45.97	-28.03	74	54.84	40	12.71	61.58	100	0	P	V
5710MHz		17130	47.06	-21.14	68.2	47.51	40.48	15.08	56.01	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
	*	5690	103.35	-	-	92.02	32.17	8.83	29.67	201	66	P	H
	*	5690	94.84	-	-	83.51	32.17	8.83	29.67	201	66	A	H
													H
													H
802.11ac													H
VHT80													H
CH 138	*	5690	105.19	-	-	93.86	32.17	8.83	29.67	265	67	P	V
5690MHz	*	5690	96.26	-	-	84.93	32.17	8.83	29.67	265	67	A	V
													V
													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 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11380	45.34	-28.66	74	54.17	40.04	12.71	61.58	100	0	P	H
		17070	44.81	-23.39	68.2	45.68	40.24	15.04	56.15	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	45.51	-28.49	74	54.34	40.04	12.71	61.58	100	0	P	V
5690MHz		17070	45.03	-23.17	68.2	45.9	40.24	15.04	56.15	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 VHT 80 (LF @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT 80 LF		30.27	22.42	-17.58	40	29.58	24.39	0.79	32.34	-	-	P	H
		100.47	22.17	-21.33	43.5	36.87	16.23	1.36	32.29	-	-	P	H
		125.58	22.65	-20.85	43.5	35.98	17.57	1.38	32.28	-	-	P	H
		715.1	29.13	-16.87	46	31.18	26.92	3.17	32.14	-	-	P	H
		863.5	31.61	-14.39	46	30.69	29.1	3.51	31.69	-	-	P	H
		958	34.06	-11.94	46	30.26	31.07	3.71	30.98	100	0	P	H
													H
													H
													H
													H
													H
													H
		30.81	33.82	-6.18	40	41.41	23.96	0.79	32.34	100	0	P	V
		59.97	21.58	-18.42	40	40.79	12.06	1.04	32.31	-	-	P	V
		124.77	22.29	-21.21	43.5	35.61	17.58	1.38	32.28	-	-	P	V
		714.4	33.33	-12.67	46	35.38	26.92	3.17	32.14	-	-	P	V
		874.7	31.19	-14.81	46	30.28	29.01	3.53	31.63	-	-	P	V
		953.8	33.67	-12.33	46	30.17	30.81	3.71	31.02	-	-	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 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		5148.98	63.24	-10.76	74	52.93	31.69	8.17	29.55	100	341	P	H
		5149.5	45.7	-8.3	54	35.39	31.69	8.17	29.55	100	341	A	H
	*	5180	111.55	-	-	101.17	31.71	8.22	29.55	100	341	P	H
	*	5180	104.19	-	-	93.81	31.71	8.22	29.55	100	341	A	H
													H
													H
		5149.5	59.66	-14.34	74	49.35	31.69	8.17	29.55	100	127	P	V
		5148.72	43.56	-10.44	54	33.25	31.69	8.17	29.55	100	127	A	V
	*	5180	108.24	-	-	97.86	31.71	8.22	29.55	100	127	P	V
	*	5180	100.58	-	-	90.2	31.71	8.22	29.55	100	127	A	V
													V
													V
802.11a CH 44 5220MHz		5140.4	54.32	-19.68	74	44.03	31.69	8.15	29.55	104	341	P	H
		5150	42.97	-11.03	54	32.66	31.69	8.17	29.55	104	341	A	H
	*	5220	111.97	-	-	101.55	31.73	8.25	29.56	104	341	P	H
	*	5220	104.6	-	-	94.18	31.73	8.25	29.56	104	341	A	H
		5388.32	53.13	-20.87	74	42.58	31.83	8.3	29.58	104	341	P	H
		5460	41.99	-12.01	54	31.25	31.87	8.46	29.59	104	341	A	H
		5149.5	52.5	-21.5	74	42.19	31.69	8.17	29.55	102	134	P	V
		5055.12	42.3	-11.7	54	32.14	31.64	8.06	29.54	102	134	A	V
	*	5220	109.31	-	-	98.89	31.73	8.25	29.56	102	134	P	V
	*	5220	101.42	-	-	91	31.73	8.25	29.56	102	134	A	V
		5417.44	51.16	-22.84	74	40.53	31.85	8.36	29.58	102	134	P	V
		5456.64	41.44	-12.56	54	30.7	31.87	8.46	29.59	102	134	A	V

802.11a CH 48 5240MHz		5068.12	52.5	-21.5	74	42.34	31.64	8.06	29.54	100	343	P	H
		5082.16	42.5	-11.5	54	32.31	31.65	8.08	29.54	100	343	A	H
	*	5240	111.71	-	-	101.28	31.74	8.25	29.56	100	343	P	H
	*	5240	104.12	-	-	93.69	31.74	8.25	29.56	100	343	A	H
		5444.88	52.15	-21.85	74	41.46	31.86	8.41	29.58	100	343	P	H
		5451.04	41.96	-12.04	54	31.22	31.87	8.46	29.59	100	343	A	H
		5122.2	52.62	-21.38	74	42.37	31.67	8.13	29.55	103	134	P	V
		5085.28	42.27	-11.73	54	32.08	31.65	8.08	29.54	103	134	A	V
	*	5240	108.75	-	-	98.32	31.74	8.25	29.56	103	134	P	V
	*	5240	101.08	-	-	90.65	31.74	8.25	29.56	103	134	A	V
		5354.72	51.62	-22.38	74	41.09	31.81	8.29	29.57	103	134	P	V
		5459.16	41.53	-12.47	54	30.79	31.87	8.46	29.59	103	134	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 36 5180MHz		10360	45.05	-23.15	68.2	52.96	39.76	12.34	60.01	100	0	P	H
		15540	43.85	-30.15	74	48.67	38.62	14.61	58.05	100	0	P	H
													H
													H
		10360	46.54	-21.66	68.2	54.45	39.76	12.34	60.01	100	0	P	V
		15540	43.69	-30.31	74	48.51	38.62	14.61	58.05	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.55	-21.65	68.2	54.46	39.88	12.36	60.15	100	0	P	H
		15660	42.81	-31.19	74	47.69	38.33	14.67	57.88	100	0	P	H
													H
													H
		10440	46.14	-22.06	68.2	54.05	39.88	12.36	60.15	100	0	P	V
		15660	44.06	-29.94	74	48.94	38.33	14.67	57.88	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.56	-21.64	68.2	54.47	39.97	12.38	60.26	100	0	P	H
		15720	43.54	-30.46	74	48.49	38.16	14.68	57.79	100	0	P	H
													H
													H
		10480	46.5	-21.7	68.2	54.41	39.97	12.38	60.26	100	0	P	V
		15720	43.35	-30.65	74	48.3	38.16	14.68	57.79	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 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5147.94	62.35	-11.65	74	52.04	31.69	8.17	29.55	267	14	P	H
		5148.2	44.84	-9.16	54	34.53	31.69	8.17	29.55	267	14	A	H
	*	5180	112.48	-	-	102.1	31.71	8.22	29.55	267	14	P	H
	*	5180	104.92	-	-	94.54	31.71	8.22	29.55	267	14	A	H
802.11n													H
HT20													H
CH 36		5145.6	60.56	-13.44	74	50.25	31.69	8.17	29.55	281	145	P	V
5180MHz		5146.64	43.98	-10.02	54	33.67	31.69	8.17	29.55	281	145	A	V
	*	5180	109.42	-	-	99.04	31.71	8.22	29.55	281	145	P	V
	*	5180	101.64	-	-	91.26	31.71	8.22	29.55	281	145	A	V
													V
													V
		5146.12	56.4	-17.6	74	46.09	31.69	8.17	29.55	244	13	P	H
		5149.76	42.93	-11.07	54	32.62	31.69	8.17	29.55	244	13	A	H
	*	5220	112.45	-	-	102.03	31.73	8.25	29.56	244	13	P	H
	*	5220	104.64	-	-	94.22	31.73	8.25	29.56	244	13	A	H
802.11n		5434.52	52.75	-21.25	74	42.06	31.86	8.41	29.58	244	13	P	H
HT20		5453	42.06	-11.94	54	31.32	31.87	8.46	29.59	244	13	A	H
CH 44		5146.64	54.28	-19.72	74	43.97	31.69	8.17	29.55	281	147	P	V
5220MHz		5056.94	42.6	-11.4	54	32.44	31.64	8.06	29.54	281	147	A	V
	*	5220	108.88	-	-	98.46	31.73	8.25	29.56	281	147	P	V
	*	5220	101.38	-	-	90.96	31.73	8.25	29.56	281	147	A	V
		5369.28	51.2	-22.8	74	40.65	31.82	8.3	29.57	281	147	P	V
		5439.28	41.49	-12.51	54	30.8	31.86	8.41	29.58	281	147	A	V

		5013	52.93	-21.07	74	42.86	31.61	7.99	29.53	246	13	P	H
		5100.36	42.68	-11.32	54	32.46	31.66	8.1	29.54	246	13	A	H
	*	5240	112.82	-	-	102.39	31.74	8.25	29.56	246	13	P	H
	*	5240	104.72	-	-	94.29	31.74	8.25	29.56	246	13	A	H
802.11n		5380.48	52.93	-21.07	74	42.38	31.83	8.3	29.58	246	13	P	H
HT20		5352.48	41.94	-12.06	54	31.41	31.81	8.29	29.57	246	13	A	H
CH 48		5089.7	52.96	-21.04	74	42.74	31.66	8.1	29.54	291	146	P	V
5240MHz		5053.3	42.34	-11.66	54	32.19	31.63	8.06	29.54	291	146	A	V
	*	5240	108.58	-	-	98.15	31.74	8.25	29.56	291	146	P	V
	*	5240	100.88	-	-	90.45	31.74	8.25	29.56	291	146	A	V
		5420.8	51.95	-22.05	74	41.32	31.85	8.36	29.58	291	146	P	V
		5455.8	41.66	-12.34	54	30.92	31.87	8.46	29.59	291	146	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10360	45.28	-22.92	68.2	53.19	39.76	12.34	60.01	100	0	P	H
		15540	44.2	-29.8	74	49.02	38.62	14.61	58.05	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	46.34	-21.86	68.2	54.25	39.76	12.34	60.01	100	0	P	V
5180MHz		15540	44.5	-29.5	74	49.32	38.62	14.61	58.05	100	0	P	V
													V
													V
		10440	46.52	-21.68	68.2	54.43	39.88	12.36	60.15	100	0	P	H
		15660	43.06	-30.94	74	47.94	38.33	14.67	57.88	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	47.05	-21.15	68.2	54.96	39.88	12.36	60.15	100	0	P	V
5220MHz		15660	43	-31	74	47.88	38.33	14.67	57.88	100	0	P	V
													V
													V
		10480	47.23	-20.97	68.2	55.14	39.97	12.38	60.26	100	0	P	H
		15720	42.97	-31.03	74	47.92	38.16	14.68	57.79	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	47.26	-20.94	68.2	55.17	39.97	12.38	60.26	100	0	P	V
5240MHz		15720	43.68	-30.32	74	48.63	38.16	14.68	57.79	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 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5149.24	60.17	-13.83	74	49.86	31.69	8.17	29.55	254	13	P	H
		5150	52.46	-1.54	54	42.15	31.69	8.17	29.55	254	13	A	H
	*	5190	108.6	-	-	98.22	31.71	8.22	29.55	254	13	P	H
	*	5190	100.93	-	-	90.55	31.71	8.22	29.55	254	13	A	H
802.11n		5426.12	51.55	-22.45	74	40.92	31.85	8.36	29.58	254	13	P	H
HT40		5448.52	42.7	-11.3	54	31.95	31.87	8.46	29.58	254	13	A	H
CH 38		5150	55.8	-18.2	74	45.49	31.69	8.17	29.55	282	118	P	V
5190MHz		5149.76	48.19	-5.81	54	37.88	31.69	8.17	29.55	282	118	A	V
	*	5190	105.09	-	-	94.71	31.71	8.22	29.55	282	118	P	V
	*	5190	97.4	-	-	87.02	31.71	8.22	29.55	282	118	A	V
		5415.2	51.58	-22.42	74	40.95	31.85	8.36	29.58	282	118	P	V
		5458.88	42.39	-11.61	54	31.65	31.87	8.46	29.59	282	118	A	V
		5050.7	53.42	-20.58	74	43.29	31.63	8.04	29.54	265	13	P	H
		5132.34	43.27	-10.73	54	32.99	31.68	8.15	29.55	265	13	A	H
	*	5230	110.81	-	-	100.38	31.74	8.25	29.56	265	13	P	H
	*	5230	103.12	-	-	92.69	31.74	8.25	29.56	265	13	A	H
802.11n		5376	52.24	-21.76	74	41.7	31.82	8.3	29.58	265	13	P	H
HT40		5451.88	42.85	-11.15	54	32.11	31.87	8.46	29.59	265	13	A	H
CH 46		5059.28	51.77	-22.23	74	41.61	31.64	8.06	29.54	295	118	P	V
5230MHz		5038.74	43.19	-10.81	54	33.05	31.63	8.04	29.53	295	118	A	V
	*	5230	107.02	-	-	96.59	31.74	8.25	29.56	295	118	P	V
	*	5230	99.78	-	-	89.35	31.74	8.25	29.56	295	118	A	V
		5459.44	51.35	-22.65	74	40.61	31.87	8.46	29.59	295	118	P	V
		5446.28	42.45	-11.55	54	31.75	31.87	8.41	29.58	295	118	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10380	46.16	-22.04	68.2	54.07	39.79	12.34	60.04	100	0	P	H
		15570	44.15	-29.85	74	49	38.53	14.62	58	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	46.21	-21.99	68.2	54.12	39.79	12.34	60.04	100	0	P	V
5190MHz		15570	43.3	-30.7	74	48.15	38.53	14.62	58	100	0	P	V
													V
													V
		10460	46.41	-21.79	68.2	54.32	39.91	12.37	60.19	100	0	P	H
		15690	43.04	-30.96	74	47.96	38.24	14.67	57.83	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	46.95	-21.25	68.2	54.86	39.91	12.37	60.19	100	0	P	V
5230MHz		15690	42.9	-31.1	74	47.82	38.24	14.67	57.83	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5149.76	58.71	-15.29	74	48.4	31.69	8.17	29.55	265	15	P	H
		5148.2	51.75	-2.25	54	41.44	31.69	8.17	29.55	265	15	A	H
	*	5210	102.29	-	-	91.88	31.73	8.24	29.56	265	15	P	H
	*	5210	94.76	-	-	84.35	31.73	8.24	29.56	265	15	A	H
802.11ac		5404	52.24	-21.76	74	41.67	31.84	8.31	29.58	265	15	P	H
VHT80		5453	42.58	-11.42	54	31.84	31.87	8.46	29.59	265	15	A	H
CH 42		5144.56	55.63	-18.37	74	45.32	31.69	8.17	29.55	311	145	P	V
5210MHz		5146.38	47.75	-6.25	54	37.44	31.69	8.17	29.55	311	145	A	V
	*	5210	99.03	-	-	88.62	31.73	8.24	29.56	311	145	P	V
	*	5210	90.9	-	-	80.49	31.73	8.24	29.56	311	145	A	V
		5452.16	51.2	-22.8	74	40.46	31.87	8.46	29.59	311	145	P	V
		5441.52	42.43	-11.57	54	31.74	31.86	8.41	29.58	311	145	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10420	46.59	-21.61	68.2	54.5	39.85	12.36	60.12	100	0	P	H
		15630	43.03	-30.97	74	47.92	38.37	14.65	57.91	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	45.53	-22.67	68.2	53.44	39.85	12.36	60.12	100	0	P	V
5210MHz		15630	42.18	-31.82	74	47.07	38.37	14.65	57.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5131.58	52.2	-21.8	74	41.92	31.68	8.15	29.55	105	343	P	H
		5077.86	42.33	-11.67	54	32.14	31.65	8.08	29.54	105	343	A	H
	*	5260	112.34	-	-	101.88	31.76	8.26	29.56	105	343	P	H
	*	5260	104.48	-	-	94.02	31.76	8.26	29.56	105	343	A	H
		5444.88	51.84	-22.16	74	41.15	31.86	8.41	29.58	105	343	P	H
		5357.04	42.1	-11.9	54	31.57	31.81	8.29	29.57	105	343	A	H
		5000.68	51.84	-22.16	74	41.78	31.6	7.99	29.53	112	125	P	V
		5060.18	42.37	-11.63	54	32.21	31.64	8.06	29.54	112	125	A	V
	*	5260	109.02	-	-	98.56	31.76	8.26	29.56	112	125	P	V
	*	5260	101.1	-	-	90.64	31.76	8.26	29.56	112	125	A	V
		5397.12	50.78	-23.22	74	40.21	31.84	8.31	29.58	112	125	P	V
		5457.84	41.72	-12.28	54	30.98	31.87	8.46	29.59	112	125	A	V
802.11a CH 60 5300MHz		5015.98	53.1	-20.9	74	43.03	31.61	7.99	29.53	100	348	P	H
		5073.44	42.37	-11.63	54	32.18	31.65	8.08	29.54	100	348	A	H
	*	5300	112.12	-	-	101.64	31.78	8.27	29.57	100	348	P	H
	*	5300	104.3	-	-	93.82	31.78	8.27	29.57	100	348	A	H
		5357.04	53.88	-20.12	74	43.35	31.81	8.29	29.57	100	348	P	H
		5356.8	44.25	-9.75	54	33.72	31.81	8.29	29.57	100	348	A	H
		5053.04	53.23	-20.77	74	43.08	31.63	8.06	29.54	100	120	P	V
		5107.78	42.29	-11.71	54	32.03	31.67	8.13	29.54	100	120	A	V
	*	5300	108.44	-	-	97.96	31.78	8.27	29.57	100	120	P	V
	*	5300	100.77	-	-	90.29	31.78	8.27	29.57	100	120	A	V
		5454	50.71	-23.29	74	39.97	31.87	8.46	29.59	100	120	P	V
		5351.28	42.65	-11.35	54	32.12	31.81	8.29	29.57	100	120	A	V

802.11a CH 64 5320MHz	*	5320	112.13	-	-	101.63	31.79	8.28	29.57	101	341	P	H
	*	5320	104.42	-	-	93.92	31.79	8.28	29.57	101	341	A	H
		5364.32	53.82	-20.18	74	43.27	31.82	8.3	29.57	101	341	P	H
		5362.56	44.95	-9.05	54	34.4	31.82	8.3	29.57	101	341	A	H
													H
													H
	*	5320	108.29	-	-	97.79	31.79	8.28	29.57	111	124	P	V
	*	5320	100.85	-	-	90.35	31.79	8.28	29.57	111	124	A	V
		5355.36	50.86	-23.14	74	40.33	31.81	8.29	29.57	111	124	P	V
		5366.72	42.77	-11.23	54	32.22	31.82	8.3	29.57	111	124	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 52 5260MHz		10520	47.18	-21.02	68.2	55.11	40.02	12.39	60.34	100	0	P	H
		15780	42.93	-31.07	74	47.89	38.04	14.71	57.71	100	0	P	H
													H
													H
		10520	47.45	-20.75	68.2	55.38	40.02	12.39	60.34	100	0	P	V
		15780	43.44	-30.56	74	48.4	38.04	14.71	57.71	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.67	-26.33	74	55.71	40.1	12.41	60.55	100	0	P	H
		15900	43.1	-30.9	74	48.12	37.75	14.77	57.54	100	0	P	H
													H
													H
		10600	47.1	-26.9	74	55.14	40.1	12.41	60.55	100	0	P	V
		15900	42.84	-31.16	74	47.86	37.75	14.77	57.54	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	49.74	-24.26	74	57.82	40.14	12.41	60.63	100	0	P	H
		15960	42.76	-31.24	74	47.85	37.58	14.78	57.45	100	0	P	H
													H
													H
		10640	47.45	-26.55	74	55.53	40.14	12.41	60.63	100	0	P	V
		15960	42.43	-31.57	74	47.52	37.58	14.78	57.45	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 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5148.92	52.1	-21.9	74	41.79	31.69	8.17	29.55	100	343	P	H
		5063.92	42.33	-11.67	54	32.17	31.64	8.06	29.54	100	343	A	H
	*	5260	110.58	-	-	100.12	31.76	8.26	29.56	100	343	P	H
	*	5260	102.26	-	-	91.8	31.76	8.26	29.56	100	343	A	H
802.11n		5450.88	52.58	-21.42	74	41.84	31.87	8.46	29.59	100	343	P	H
HT20		5350.56	42.63	-11.37	54	32.1	31.81	8.29	29.57	100	343	A	H
CH 52		5042.84	52.35	-21.65	74	42.22	31.63	8.04	29.54	259	144	P	V
5260MHz		5030.26	42.26	-11.74	54	32.16	31.62	8.01	29.53	259	144	A	V
	*	5260	108.31	-	-	97.85	31.76	8.26	29.56	259	144	P	V
	*	5260	100.94	-	-	90.48	31.76	8.26	29.56	259	144	A	V
		5455.44	51.11	-22.89	74	40.37	31.87	8.46	29.59	259	144	P	V
		5352.72	41.46	-12.54	54	30.93	31.81	8.29	29.57	259	144	A	V
		5110.5	53.94	-20.06	74	43.68	31.67	8.13	29.54	241	15	P	H
		5082.28	42.23	-11.77	54	32.04	31.65	8.08	29.54	241	15	A	H
	*	5300	112.57	-	-	102.09	31.78	8.27	29.57	241	15	P	H
	*	5300	104.51	-	-	94.03	31.78	8.27	29.57	241	15	A	H
802.11n		5350.08	62.35	-11.65	74	51.82	31.81	8.29	29.57	241	15	P	H
HT20		5352.72	44.89	-9.11	54	34.36	31.81	8.29	29.57	241	15	A	H
CH 60		5092.48	53.21	-20.79	74	42.99	31.66	8.1	29.54	284	144	P	V
5300MHz		5061.2	42.5	-11.5	54	32.34	31.64	8.06	29.54	284	144	A	V
	*	5300	108.41	-	-	97.93	31.78	8.27	29.57	284	144	P	V
	*	5300	101.04	-	-	90.56	31.78	8.27	29.57	284	144	A	V
		5352.48	56.34	-17.66	74	45.81	31.81	8.29	29.57	284	144	P	V
		5352	42.31	-11.69	54	31.78	31.81	8.29	29.57	284	144	A	V

	*	5320	112.38	-	-	101.88	31.79	8.28	29.57	252	13	P	H
	*	5320	104.4	-	-	93.9	31.79	8.28	29.57	252	13	A	H
		5351.04	63.35	-10.65	74	52.82	31.81	8.29	29.57	252	13	P	H
		5354.88	45.9	-8.1	54	35.37	31.81	8.29	29.57	252	13	A	H
802.11n													H
HT20													H
CH 64	*	5320	109.03	-	-	98.53	31.79	8.28	29.57	285	116	P	V
5320MHz	*	5320	101.02	-	-	90.52	31.79	8.28	29.57	285	116	A	V
		5350.72	59.82	-14.18	74	49.29	31.81	8.29	29.57	285	116	P	V
		5352.32	43.39	-10.61	54	32.86	31.81	8.29	29.57	285	116	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 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10520	47.59	-20.61	68.2	55.52	40.02	12.39	60.34	100	0	P	H
		15780	42.62	-31.38	74	47.58	38.04	14.71	57.71	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	46.6	-21.6	68.2	54.53	40.02	12.39	60.34	100	0	P	V
5260MHz		15780	42.78	-31.22	74	47.74	38.04	14.71	57.71	100	0	P	V
													V
													V
		10600	47.29	-26.71	74	55.33	40.1	12.41	60.55	100	0	P	H
		15900	43.81	-30.19	74	48.83	37.75	14.77	57.54	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	47.94	-26.06	74	55.98	40.1	12.41	60.55	100	0	P	V
5300MHz		15900	43.56	-30.44	74	48.58	37.75	14.77	57.54	100	0	P	V
													V
													V
		10640	48.26	-25.74	74	56.34	40.14	12.41	60.63	100	0	P	H
		15960	41.92	-32.08	74	47.01	37.58	14.78	57.45	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	48.24	-25.76	74	56.32	40.14	12.41	60.63	100	0	P	V
5320MHz		15960	42.37	-31.63	74	47.46	37.58	14.78	57.45	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 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5038.42	52.49	-21.51	74	42.35	31.63	8.04	29.53	220	14	P	H
		5001.36	43.03	-10.97	54	32.97	31.6	7.99	29.53	220	14	A	H
	*	5270	110.61	-	-	100.14	31.76	8.27	29.56	220	14	P	H
	*	5270	103.27	-	-	92.8	31.76	8.27	29.56	220	14	A	H
802.11n		5359.2	53.25	-20.75	74	42.71	31.81	8.3	29.57	220	14	P	H
HT40		5351.04	43.63	-10.37	54	33.1	31.81	8.29	29.57	220	14	A	H
CH 54		5099.28	51.21	-22.79	74	40.99	31.66	8.1	29.54	291	146	P	V
5270MHz		5058.82	43.11	-10.89	54	32.95	31.64	8.06	29.54	291	146	A	V
	*	5270	106.48	-	-	96.01	31.76	8.27	29.56	291	146	P	V
	*	5270	99.16	-	-	88.69	31.76	8.27	29.56	291	146	A	V
		5360.4	52.73	-21.27	74	42.19	31.81	8.3	29.57	291	146	P	V
		5454.48	42.17	-11.83	54	31.43	31.87	8.46	29.59	291	146	A	V
		5047.26	51.62	-22.38	74	41.49	31.63	8.04	29.54	100	354	P	H
		5026.52	42.92	-11.08	54	32.82	31.62	8.01	29.53	100	354	A	H
	*	5310	108.26	-	-	97.76	31.79	8.28	29.57	100	354	P	H
	*	5310	100.79	-	-	90.29	31.79	8.28	29.57	100	354	A	H
802.11n		5350.08	58.37	-15.63	74	47.84	31.81	8.29	29.57	100	354	P	H
HT40		5350.08	52.58	-1.42	54	42.05	31.81	8.29	29.57	100	354	A	H
CH 62		5052.02	51.99	-22.01	74	41.86	31.63	8.04	29.54	232	264	P	V
5310MHz		5062.9	43.1	-10.9	54	32.94	31.64	8.06	29.54	232	264	A	V
	*	5310	105.63	-	-	95.13	31.79	8.28	29.57	232	264	P	V
	*	5310	97.55	-	-	87.05	31.79	8.28	29.57	232	264	A	V
		5351.76	57.12	-16.88	74	46.59	31.81	8.29	29.57	232	264	P	V
		5350.56	49.65	-4.35	54	39.12	31.81	8.29	29.57	232	264	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10540	48.36	-19.84	68.2	56.32	40.03	12.39	60.38	100	0	P	H
		15810	42.67	-31.33	74	47.65	37.96	14.73	57.67	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	48.09	-20.11	68.2	56.05	40.03	12.39	60.38	100	0	P	V
5270MHz		15810	41.88	-32.12	74	46.86	37.96	14.73	57.67	100	0	P	V
													V
													V
		10620	46.51	-27.49	74	54.57	40.12	12.41	60.59	100	0	P	H
		15930	42.93	-31.07	74	47.98	37.67	14.78	57.5	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	46.11	-27.89	74	54.17	40.12	12.41	60.59	100	0	P	V
5310MHz		15930	42.48	-31.52	74	47.53	37.67	14.78	57.5	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5117.98	52.78	-21.22	74	42.52	31.67	8.13	29.54	100	342	P	H
		5091.12	43.15	-10.85	54	32.93	31.66	8.1	29.54	100	342	A	H
	*	5290	98.67	-	-	88.19	31.77	8.27	29.56	100	342	P	H
	*	5290	91.16	-	-	80.68	31.77	8.27	29.56	100	342	A	H
802.11ac		5354.88	58.93	-15.07	74	48.4	31.81	8.29	29.57	100	342	P	H
VHT80		5350.08	52.07	-1.93	54	41.54	31.81	8.29	29.57	100	342	A	H
CH 58		5149.6	51.91	-22.09	74	41.6	31.69	8.17	29.55	295	265	P	V
5290MHz		5044.54	43.09	-10.91	54	32.96	31.63	8.04	29.54	295	265	A	V
	*	5290	95.36	-	-	84.88	31.77	8.27	29.56	295	265	P	V
	*	5290	87.98	-	-	77.5	31.77	8.27	29.56	295	265	A	V
		5359.2	53.91	-20.09	74	43.37	31.81	8.3	29.57	295	265	P	V
		5350.32	47.99	-6.01	54	37.46	31.81	8.29	29.57	295	265	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10580	46.75	-21.45	68.2	54.77	40.09	12.4	60.51	100	0	P	H
		15870	43.26	-30.74	74	48.29	37.79	14.75	57.57	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.05	-22.15	68.2	54.07	40.09	12.4	60.51	100	0	P	V
5290MHz		15870	42.41	-31.59	74	47.44	37.79	14.75	57.57	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5458.32	54.91	-19.09	74	44.17	31.87	8.46	29.59	100	335	P	H
		5466.32	56.26	-11.94	68.2	45.46	31.88	8.51	29.59	100	335	P	H
		5457.52	45.04	-8.96	54	34.3	31.87	8.46	29.59	100	335	A	H
	*	5500	111.69	-	-	100.82	31.9	8.56	29.59	100	335	P	H
	*	5500	103.61	-	-	92.74	31.9	8.56	29.59	100	335	A	H
													H
		5452.24	52.37	-21.63	74	41.63	31.87	8.46	29.59	230	264	P	V
		5467.92	52.21	-15.99	68.2	41.41	31.88	8.51	29.59	230	264	P	V
		5458.32	43.36	-10.64	54	32.62	31.87	8.46	29.59	230	264	A	V
	*	5500	108.82	-	-	97.95	31.9	8.56	29.59	230	264	P	V
	*	5500	101.22	-	-	90.35	31.9	8.56	29.59	230	264	A	V
													V
802.11a CH 116 5580MHz		5442.16	51.95	-22.05	74	41.26	31.86	8.41	29.58	100	337	P	H
		5468.08	52.8	-15.4	68.2	42	31.88	8.51	29.59	100	337	P	H
		5450.32	42.07	-11.93	54	31.33	31.87	8.46	29.59	100	337	A	H
	*	5580	111.34	-	-	100.17	32	8.8	29.63	100	337	P	H
	*	5580	104.35	-	-	93.18	32	8.8	29.63	100	337	A	H
		5759.645	52.81	-15.39	68.2	41.45	32.26	8.81	29.71	100	337	P	H
		5415.04	50.79	-23.21	74	40.16	31.85	8.36	29.58	226	272	P	V
		5464.72	49.68	-18.52	68.2	38.93	31.88	8.46	29.59	226	272	P	V
		5458.96	41.5	-12.5	54	30.76	31.87	8.46	29.59	226	272	A	V
	*	5580	107.84	-	-	96.67	32	8.8	29.63	226	272	P	V
	*	5580	101.4	-	-	90.23	32	8.8	29.63	226	272	A	V
		5726.57	51.84	-16.36	68.2	40.49	32.21	8.82	29.68	226	272	P	V

802.11a CH 140 5700MHz	*	5700	112.08	-	-	100.76	32.17	8.82	29.67	100	357	P	H
	*	5700	105.42	-	-	94.1	32.17	8.82	29.67	100	357	A	H
		5732.76	66.75	-1.45	68.2	55.41	32.21	8.82	29.69	100	357	P	H
													H
													H
													H
	*	5700	110.28	-	-	98.96	32.17	8.82	29.67	120	265	P	V
	*	5700	102.63	-	-	91.31	32.17	8.82	29.67	120	265	A	V
		5738.52	63.45	-4.75	68.2	52.09	32.24	8.81	29.69	120	265	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 100 5500MHz		11000	55.41	-18.59	74	63.9	40.5	12.51	61.5	100	104	P	H
		11000	46.05	-7.95	54	54.54	40.5	12.51	61.5	100	104	A	H
		16500	43.49	-24.71	68.2	46.47	39.4	14.92	57.3	100	0	P	H
													H
		11000	55.65	-18.35	74	64.14	40.5	12.51	61.5	100	112	P	V
		11000	46.14	-7.86	54	54.63	40.5	12.51	61.5	100	112	A	V
		16500	44.13	-24.07	68.2	47.11	39.4	14.92	57.3	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	56.74	-17.26	74	65.38	40.3	12.59	61.53	100	105	P	H
		11160	47.17	-6.83	54	55.81	40.3	12.59	61.53	100	105	A	H
		16740	43.86	-24.34	68.2	46.03	39.69	14.96	56.82	100	0	P	H
													H
		11160	57.11	-16.89	74	65.75	40.3	12.59	61.53	100	113	P	V
		11160	47.58	-6.42	54	56.22	40.3	12.59	61.53	100	113	A	V
		16740	43.91	-24.29	68.2	46.08	39.69	14.96	56.82	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	46.77	-27.23	74	55.61	40.02	12.72	61.58	100	0	P	H
		17100	45.73	-22.47	68.2	46.39	40.36	15.06	56.08	100	0	P	H
													H
													H
		11400	48.13	-25.87	74	56.97	40.02	12.72	61.58	100	0	P	V
		17100	45.62	-22.58	68.2	46.28	40.36	15.06	56.08	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5457.2	63.44	-10.56	74	52.7	31.87	8.46	29.59	254	17	P	H
		5468.4	65.36	-2.84	68.2	54.56	31.88	8.51	29.59	254	17	P	H
		5455.6	45.89	-8.11	54	35.15	31.87	8.46	29.59	254	17	A	H
	*	5500	112.36	-	-	101.49	31.9	8.56	29.59	254	17	P	H
802.11n	*	5500	104.21	-	-	93.34	31.9	8.56	29.59	254	17	A	H
HT20													H
CH 100		5459.76	62.52	-11.48	74	51.78	31.87	8.46	29.59	271	165	P	V
5500MHz		5469.36	64.3	-3.9	68.2	53.5	31.88	8.51	29.59	271	165	P	V
		5459.92	44.55	-9.45	54	33.81	31.87	8.46	29.59	271	165	A	V
	*	5500	109.17	-	-	98.3	31.9	8.56	29.59	271	165	P	V
	*	5500	101.51	-	-	90.64	31.9	8.56	29.59	271	165	A	V
													V
		5459.2	52.46	-21.54	74	41.72	31.87	8.46	29.59	100	334	P	H
		5460.4	51.61	-16.59	68.2	40.87	31.87	8.46	29.59	100	334	P	H
		5457.04	42.24	-11.76	54	31.5	31.87	8.46	29.59	100	334	A	H
	*	5580	112.81	-	-	101.64	32	8.8	29.63	100	334	P	H
802.11n	*	5580	105.41	-	-	94.24	32	8.8	29.63	100	334	A	H
HT20		5756.495	53.28	-14.92	68.2	41.92	32.26	8.81	29.71	100	334	P	H
CH 116		5439.76	51.37	-22.63	74	40.68	31.86	8.41	29.58	103	264	P	V
5580MHz		5464.48	52.15	-16.05	68.2	41.4	31.88	8.46	29.59	103	264	P	V
		5452.48	41.88	-12.12	54	31.14	31.87	8.46	29.59	103	264	A	V
	*	5580	110.22	-	-	99.05	32	8.8	29.63	103	264	P	V
	*	5580	102.28	-	-	91.11	32	8.8	29.63	103	264	A	V
		5762.48	52.28	-15.92	68.2	40.92	32.26	8.81	29.71	103	264	P	V

	*	5700	112.34	-	-	101.02	32.17	8.82	29.67	100	337	P	H
	*	5700	104.99	-	-	93.67	32.17	8.82	29.67	100	337	A	H
		5728.12	66.01	-2.19	68.2	54.66	32.21	8.82	29.68	100	337	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	108.94	-	-	97.62	32.17	8.82	29.67	100	268	P	V
5700MHz	*	5700	101.17	-	-	89.85	32.17	8.82	29.67	100	268	A	V
		5732.12	62.23	-5.97	68.2	50.89	32.21	8.82	29.69	100	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 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11000	54.81	-19.19	74	63.3	40.5	12.51	61.5	100	103	P	H
		11000	45.69	-8.31	54	54.18	40.5	12.51	61.5	100	103	A	H
802.11n		16500	43.78	-24.42	68.2	46.76	39.4	14.92	57.3	100	0	P	H
HT20													H
CH 100		11000	55.83	-18.17	74	64.32	40.5	12.51	61.5	100	112	P	V
5500MHz		11000	46.18	-7.82	54	54.67	40.5	12.51	61.5	100	112	A	V
		16500	44.01	-24.19	68.2	46.99	39.4	14.92	57.3	100	0	P	V
													V
		11160	56.38	-17.62	74	65.02	40.3	12.59	61.53	100	104	P	H
		11160	46.82	-7.18	54	55.46	40.3	12.59	61.53	100	104	A	H
802.11n		16740	44.28	-23.92	68.2	46.45	39.69	14.96	56.82	100	0	P	H
HT20													H
CH 116		11160	57.8	-16.2	74	66.44	40.3	12.59	61.53	100	113	P	V
5580MHz		11160	47.44	-6.56	54	56.08	40.3	12.59	61.53	100	113	A	V
		16740	43.86	-24.34	68.2	46.03	39.69	14.96	56.82	100	0	P	V
													V
		11400	48.67	-25.33	74	57.51	40.02	12.72	61.58	100	0	P	H
		17100	46.22	-21.98	68.2	46.88	40.36	15.06	56.08	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	46.61	-27.39	74	55.45	40.02	12.72	61.58	100	0	P	V
5700MHz		17100	46.47	-21.73	68.2	47.13	40.36	15.06	56.08	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5458	59.86	-14.14	74	49.12	31.87	8.46	29.59	116	3	P	H
		5463.28	60.42	-7.78	68.2	49.67	31.88	8.46	29.59	116	3	P	H
		5453.68	45.29	-8.71	54	34.55	31.87	8.46	29.59	116	3	A	H
	*	5510	109.84	-	-	98.94	31.9	8.6	29.6	116	3	P	H
802.11n	*	5510	102.38	-	-	91.48	31.9	8.6	29.6	116	3	A	H
HT40		5761.22	52.28	-15.92	68.2	40.92	32.26	8.81	29.71	116	3	P	H
CH 102		5459.44	59.44	-14.56	74	48.7	31.87	8.46	29.59	126	262	P	V
5510MHz		5470	60.86	-7.34	68.2	50.06	31.88	8.51	29.59	126	262	P	V
		5454.88	44.5	-9.5	54	33.76	31.87	8.46	29.59	126	262	A	V
	*	5510	107.89	-	-	96.99	31.9	8.6	29.6	126	262	P	V
	*	5510	99.74	-	-	88.84	31.9	8.6	29.6	126	262	A	V
		5728.145	53.16	-15.04	68.2	41.81	32.21	8.82	29.68	126	262	P	V
		5445.28	54.84	-19.16	74	44.15	31.86	8.41	29.58	101	341	P	H
		5470	57.6	-10.6	68.2	46.8	31.88	8.51	29.59	101	341	P	H
		5459.44	43.07	-10.93	54	32.33	31.87	8.46	29.59	101	341	A	H
	*	5548	110.45	-	-	99.39	31.97	8.7	29.61	101	341	P	H
802.11n	*	5548	102.5	-	-	91.44	31.97	8.7	29.61	101	341	A	H
HT40		5737.595	53.3	-14.9	68.2	41.94	32.24	8.81	29.69	101	341	P	H
CH 110		5454.64	51.83	-22.17	74	41.09	31.87	8.46	29.59	115	266	P	V
5550MHz		5469.76	53.05	-15.15	68.2	42.25	31.88	8.51	29.59	115	266	P	V
		5458.48	42.86	-11.14	54	32.12	31.87	8.46	29.59	115	266	A	V
	*	5550	108.46	-	-	97.4	31.97	8.7	29.61	115	266	P	V
	*	5550	100.24	-	-	89.18	31.97	8.7	29.61	115	266	A	V
		5735.705	52.69	-15.51	68.2	41.33	32.24	8.81	29.69	115	266	P	V

		5380.1	51.1	-22.9	74	40.55	31.83	8.3	29.58	100	335	P	H
		5464.8	50.78	-17.42	68.2	40.03	31.88	8.46	29.59	100	335	P	H
		5452.55	42.24	-11.76	54	31.5	31.87	8.46	29.59	100	335	A	H
	*	5670	110.64	-	-	99.33	32.14	8.83	29.66	100	335	P	H
802.11n	*	5670	103.62	-	-	92.31	32.14	8.83	29.66	100	335	A	H
HT40		5725.94	65.09	-3.11	68.2	53.74	32.21	8.82	29.68	100	335	P	H
CH 134		5413.35	50.83	-23.17	74	40.2	31.85	8.36	29.58	112	264	P	V
5670MHz		5466.2	50.17	-18.03	68.2	39.37	31.88	8.51	29.59	112	264	P	V
		5455.35	42.04	-11.96	54	31.3	31.87	8.46	29.59	112	264	A	V
	*	5670	108.05	-	-	96.74	32.14	8.83	29.66	112	264	P	V
	*	5670	100.59	-	-	89.28	32.14	8.83	29.66	112	264	A	V
		5726.885	60.18	-8.02	68.2	48.83	32.21	8.82	29.68	112	264	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11020	49.72	-24.28	74	58.21	40.48	12.53	61.5	100	0	P	H
		16526	43.11	-25.09	68.2	46.04	39.42	14.92	57.27			P	H
802.11n													H
HT40													H
CH 102		11020	49.23	-24.77	74	57.72	40.48	12.53	61.5	100	0	P	V
5510MHz		16530	44.62	-23.58	68.2	47.49	39.44	14.92	57.23	100	0	P	V
													V
													V
		11100	54.16	-19.84	74	62.74	40.38	12.56	61.52	100	105	P	H
		11100	46.37	-7.63	54	54.95	40.38	12.56	61.52	100	105	A	H
802.11n		16650	45.07	-23.13	68.2	47.52	39.59	14.95	56.99	100	0	P	H
HT40													H
CH 110		11100	54.1	-19.9	74	62.68	40.38	12.56	61.52	100	113	P	V
5550MHz		11100	47.27	-6.73	54	55.85	40.38	12.56	61.52	100	113	A	V
		16650	43.2	-25	68.2	45.65	39.59	14.95	56.99	100	0	P	V
													V
		11340	46.84	-27.16	74	55.63	40.1	12.68	61.57	100	0	P	H
		17010	44.21	-23.99	68.2	45.39	40.06	15.02	56.26	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	46.21	-27.79	74	55	40.1	12.68	61.57	100	0	P	V
5670MHz		17010	44.56	-23.64	68.2	45.74	40.06	15.02	56.26	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5458	61.29	-12.71	74	50.55	31.87	8.46	29.59	106	337	P	H
		5467.36	61.3	-6.9	68.2	50.5	31.88	8.51	29.59	106	337	P	H
		5458.24	52.21	-1.79	54	41.47	31.87	8.46	29.59	106	337	A	H
	*	5530	107.5	-	-	96.54	31.92	8.65	29.61	106	337	P	H
802.11ac	*	5530	99.15	-	-	88.19	31.92	8.65	29.61	106	337	A	H
VHT80		5737.28	52.31	-15.89	68.2	40.95	32.24	8.81	29.69	106	337	P	H
CH 106		5457.76	58.23	-15.77	74	47.49	31.87	8.46	29.59	122	265	P	V
5530MHz		5465.68	60.57	-7.63	68.2	49.82	31.88	8.46	29.59	122	265	P	V
		5459.92	50.22	-3.78	54	39.48	31.87	8.46	29.59	122	265	A	V
	*	5530	105.12	-	-	94.16	31.92	8.65	29.61	122	265	P	V
	*	5530	96.93	-	-	85.97	31.92	8.65	29.61	122	265	A	V
		5744.525	51.93	-16.27	68.2	40.57	32.24	8.81	29.69	122	265	P	V
		5392.24	51.66	-22.34	74	41.11	31.83	8.3	29.58	108	337	P	H
		5461.12	52.89	-15.31	68.2	42.15	31.87	8.46	29.59	108	337	P	H
		5459.92	42.77	-11.23	54	32.03	31.87	8.46	29.59	108	337	A	H
	*	5610	108.21	-	-	96.96	32.04	8.85	29.64	108	337	P	H
802.11ac	*	5610	100	-	-	88.75	32.04	8.85	29.64	108	337	A	H
VHT80		5726.57	54.79	-13.41	68.2	43.44	32.21	8.82	29.68	108	337	P	H
CH 122		5443.12	51.18	-22.82	74	40.49	31.86	8.41	29.58	111	265	P	V
5610MHz		5468.8	50.05	-18.15	68.2	39.25	31.88	8.51	29.59	111	265	P	V
		5452.72	42.58	-11.42	54	31.84	31.87	8.46	29.59	111	265	A	V
	*	5610	105.81	-	-	94.56	32.04	8.85	29.64	111	265	P	V
	*	5610	97.76	-	-	86.51	32.04	8.85	29.64	111	265	A	V
		5727.515	51.67	-16.53	68.2	40.32	32.21	8.82	29.68	111	265	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11060	46.41	-27.59	74	54.95	40.42	12.55	61.51	100	0	P	H
		16590	43.55	-24.65	68.2	46.25	39.5	14.93	57.13	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	46.57	-27.43	74	55.11	40.42	12.55	61.51	100	0	P	V
5530MHz		16590	43.2	-25	68.2	45.9	39.5	14.93	57.13	100	0	P	V
													V
													V
		11220	47.78	-26.22	74	56.45	40.24	12.63	61.54	100	0	P	H
		16830	43.66	-24.54	68.2	45.52	39.79	14.99	56.64	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.43	-26.57	74	56.1	40.24	12.63	61.54	100	0	P	V
5610MHz		16830	44.62	-23.58	68.2	46.48	39.79	14.99	56.64	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	*	5720	112.14	-	-	100.79	32.21	8.82	29.68	100	339	P	H
	*	5720	104.9	-	-	93.55	32.21	8.82	29.68	100	339	A	H
													H
													H
													H
													H
	*	5720	110.17	-	-	98.82	32.21	8.82	29.68	107	270	P	V
	*	5720	102.59	-	-	91.24	32.21	8.82	29.68	107	270	A	V
													V
													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 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 144 5720MHz		11440	47.27	-26.73	74	56.16	39.98	12.72	61.59	100	0	P	H
		17160	47.62	-20.58	68.2	47.88	40.6	15.07	55.93	100	0	P	H
													H
													H
		11440	47.49	-26.51	74	56.38	39.98	12.72	61.59	100	0	P	V
		17160	47.78	-20.42	68.2	48.04	40.6	15.07	55.93	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 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
	*	5720	113.18	-	-	101.83	32.21	8.82	29.68	107	336	P	H
	*	5720	105.52	-	-	94.17	32.21	8.82	29.68	107	336	A	H
													H
													H
802.11n													H
HT20													H
CH 144	*	5720	109.73	-	-	98.38	32.21	8.82	29.68	111	267	P	V
5720MHz	*	5720	101.93	-	-	90.58	32.21	8.82	29.68	111	267	A	V
													V
													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 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11440	47.07	-26.93	74	55.96	39.98	12.72	61.59	100	0	P	H
		17160	47.34	-20.86	68.2	47.6	40.6	15.07	55.93	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	47.19	-26.81	74	56.08	39.98	12.72	61.59	100	0	P	V
5720MHz		17160	47.64	-20.56	68.2	47.9	40.6	15.07	55.93	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 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
	*	5710	111.25	-	-	99.92	32.19	8.82	29.68	107	333	P	H
	*	5710	104.01	-	-	92.68	32.19	8.82	29.68	107	333	A	H
													H
													H
802.11n													H
HT40													H
CH 142	*	5710	107.66	-	-	96.33	32.19	8.82	29.68	112	268	P	V
5710MHz	*	5710	100.5	-	-	89.17	32.19	8.82	29.68	112	268	A	V
													V
													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 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11420	47.86	-26.14	74	56.73	40	12.71	61.58	100	0	P	H
		17130	47.4	-20.8	68.2	47.85	40.48	15.08	56.01	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	45.65	-28.35	74	54.52	40	12.71	61.58	100	0	P	V
5710MHz		17130	47.52	-20.68	68.2	47.97	40.48	15.08	56.01	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
	*	5690	108.36	-	-	97.03	32.17	8.83	29.67	100	332	P	H
	*	5690	100.78	-	-	89.45	32.17	8.83	29.67	100	332	A	H
													H
													H
802.11ac													H
VHT80													H
CH 138	*	5690	105.74	-	-	94.41	32.17	8.83	29.67	111	272	P	V
5690MHz	*	5690	97.65	-	-	86.32	32.17	8.83	29.67	111	272	A	V
													V
													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 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11380	46.48	-27.52	74	55.31	40.04	12.71	61.58	100	0	P	H
		17070	44.86	-23.34	68.2	45.73	40.24	15.04	56.15	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	46.11	-27.89	74	54.94	40.04	12.71	61.58	100	0	P	V
5690MHz		17070	44.71	-23.49	68.2	45.58	40.24	15.04	56.15	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 802.11n HT40 (LF @ 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)
802.11n HT40 LF		30	22.57	-17.43	40	29.73	24.39	0.79	32.34	-	-	P	H
		100.47	23.59	-19.91	43.5	38.29	16.23	1.36	32.29	-	-	P	H
		125.31	22.25	-21.25	43.5	35.57	17.58	1.38	32.28	-	-	P	H
		717.9	32.79	-13.21	46	34.76	27	3.17	32.14	-	-	P	H
		792.1	31.18	-14.82	46	31.67	28.15	3.36	32	-	-	P	H
		944.7	33.15	-12.85	46	30.2	30.34	3.71	31.1	100	0	P	H
													H
													H
													H
													H
													H
													H
		30.54	34.12	-5.88	40	41.71	23.96	0.79	32.34	100	0	P	V
		59.7	21.75	-18.25	40	40.94	12.06	1.06	32.31	-	-	P	V
		76.98	20.14	-19.86	40	37.87	13.29	1.28	32.3	-	-	P	V
		714.4	32.12	-13.88	46	34.17	26.92	3.17	32.14	-	-	P	V
		848.1	32.12	-13.88	46	31.35	29.01	3.52	31.76	-	-	P	V
		947.5	34.18	-11.82	46	31.05	30.5	3.71	31.08	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

<For Sample 2>

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (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)
802.11n HT40 CH 102 5510MHz		5459.2	61.57	-12.43	74	50.83	31.87	8.46	29.59	195	235	P	H
		5466.64	62.75	-5.45	68.2	51.95	31.88	8.51	29.59	195	235	P	H
		5459.44	47.9	-6.1	54	37.16	31.87	8.46	29.59	195	235	A	H
	*	5510	106.07	-	-	95.17	31.9	8.6	29.6	195	235	P	H
	*	5510	97.98	-	-	87.08	31.9	8.6	29.6	195	235	A	H
		5743.265	53.44	-14.76	68.2	42.08	32.24	8.81	29.69	195	235	P	H
		5459.92	64.88	-9.12	74	54.14	31.87	8.46	29.59	192	276	P	V
		5467.36	66.88	-1.32	68.2	56.08	31.88	8.51	29.59	192	276	P	V
		5459.44	50.52	-3.48	54	39.78	31.87	8.46	29.59	192	276	A	V
	*	5510	108.94	-	-	98.04	31.9	8.6	29.6	192	276	P	V
	*	5510	101.03	-	-	90.13	31.9	8.6	29.6	192	276	A	V
		5734.445	52.98	-15.22	68.2	41.64	32.21	8.82	29.69	192	276	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		11020	50.79	-23.21	74	59.28	40.48	12.53	61.5	100	344	P	H
		11020	42.59	-11.41	54	51.08	40.48	12.53	61.5	100	344	A	H
		16530	46.86	-21.34	68.2	49.73	39.44	14.92	57.23	100	0	P	H
													H
		11020	53.38	-20.62	74	61.87	40.48	12.53	61.5	168	23	P	V
		11020	44.49	-9.51	54	52.98	40.48	12.53	61.5	168	23	A	V
		16530	46.01	-22.19	68.2	48.88	39.44	14.92	57.23	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 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)
802.11n HT40 LF		30.54	22.73	-17.27	40	30.32	23.96	0.79	32.34	-	-	P	H
		100.2	23.51	-19.99	43.5	38.29	16.15	1.36	32.29	-	-	P	H
		124.23	22.19	-21.31	43.5	35.57	17.53	1.38	32.29	-	-	P	H
		642.3	27.47	-18.53	46	30.15	26.45	3.06	32.19	-	-	P	H
		859.3	32.2	-13.8	46	31.28	29.11	3.52	31.71	-	-	P	H
		956.6	33.93	-12.07	46	30.25	30.96	3.71	30.99	100	0	P	H
													H
													H
													H
													H
													H
													H
		31.08	34.9	-5.1	40	42.49	23.96	0.79	32.34	100	0	P	V
		59.7	22.38	-17.62	40	41.57	12.06	1.06	32.31	-	-	P	V
		124.23	22.57	-20.93	43.5	35.95	17.53	1.38	32.29	-	-	P	V
		715.1	31	-15	46	33.05	26.92	3.17	32.14	-	-	P	V
		853.7	31.75	-14.25	46	30.9	29.06	3.52	31.73	-	-	P	V
		949.6	34.24	-11.76	46	30.99	30.6	3.71	31.06	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

<TXBF Mode>

<For Sample 1>

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5142.22	62.16	-11.84	74	51.87	31.69	8.15	29.55	204	95	P	H
		5149.76	49.53	-4.47	54	39.22	31.69	8.17	29.55	204	95	A	H
	*	5180	112.79	-	-	102.41	31.71	8.22	29.55	204	95	P	H
	*	5180	105.04	-	-	94.66	31.71	8.22	29.55	204	95	A	H
802.11ac													H
VHT20													H
CH 36		5142.74	57.08	-16.92	74	46.77	31.69	8.17	29.55	187	47	P	V
5180MHz		5150	50.71	-3.29	54	40.4	31.69	8.17	29.55	187	47	A	V
	*	5180	114.29	-	-	103.91	31.71	8.22	29.55	187	47	P	V
	*	5180	106.95	-	-	96.57	31.71	8.22	29.55	187	47	A	V
													V
													V
		5148.72	55.86	-18.14	74	45.55	31.69	8.17	29.55	211	87	P	H
		5150	44.03	-9.97	54	33.72	31.69	8.17	29.55	211	87	A	H
	*	5220	114.57	-	-	104.15	31.73	8.25	29.56	211	87	P	H
	*	5220	105.5	-	-	95.08	31.73	8.25	29.56	211	87	A	H
802.11ac		5401.2	51.21	-22.79	74	40.64	31.84	8.31	29.58	211	87	P	H
VHT20		5458.32	42.91	-11.09	54	32.17	31.87	8.46	29.59	211	87	A	H
CH 44		5149.76	57.22	-16.78	74	46.91	31.69	8.17	29.55	202	46	P	V
5220MHz		5150	44.72	-9.28	54	34.41	31.69	8.17	29.55	202	46	A	V
	*	5220	115.46	-	-	105.04	31.73	8.25	29.56	202	46	P	V
	*	5220	106.98	-	-	96.56	31.73	8.25	29.56	202	46	A	V
		5432.56	52.21	-21.79	74	41.52	31.86	8.41	29.58	202	46	P	V
		5454.12	42.93	-11.07	54	32.19	31.87	8.46	29.59	202	46	A	V

		5086.32	52.44	-21.56	74	42.25	31.65	8.08	29.54	215	86	P	H
		5143.78	43.36	-10.64	54	33.05	31.69	8.17	29.55	215	86	A	H
	*	5240	113.99	-	-	103.56	31.74	8.25	29.56	215	86	P	H
	*	5240	105.73	-	-	95.3	31.74	8.25	29.56	215	86	A	H
802.11ac		5417.16	51.5	-22.5	74	40.87	31.85	8.36	29.58	215	86	P	H
VHT20		5449.92	42.88	-11.12	54	32.14	31.87	8.46	29.59	215	86	A	H
CH 48		5148.72	53.53	-20.47	74	43.22	31.69	8.17	29.55	203	46	P	V
5240MHz		5146.38	43.55	-10.45	54	33.24	31.69	8.17	29.55	203	46	A	V
	*	5240	115.79	-	-	105.36	31.74	8.25	29.56	203	46	P	V
	*	5240	107.02	-	-	96.59	31.74	8.25	29.56	203	46	A	V
		5360.6	52.09	-21.91	74	41.54	31.82	8.3	29.57	203	46	P	V
		5350	43.04	-10.96	54	32.51	31.81	8.29	29.57	203	46	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10360	46.43	-21.77	68.2	54.34	39.76	12.34	60.01	100	0	P	H
		15540	44.34	-29.66	74	49.16	38.62	14.61	58.05	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	44.67	-23.53	68.2	52.58	39.76	12.34	60.01	100	0	P	V
5180MHz		15540	44	-30	74	48.82	38.62	14.61	58.05	100	0	P	V
													V
													V
		10440	46.65	-21.55	68.2	54.56	39.88	12.36	60.15	100	0	P	H
		15660	43.33	-30.67	74	48.21	38.33	14.67	57.88	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	45.34	-22.86	68.2	53.25	39.88	12.36	60.15	100	0	P	V
5220MHz		15660	43.4	-30.6	74	48.28	38.33	14.67	57.88	100	0	P	V
													V
													V
		10480	45.31	-22.89	68.2	53.22	39.97	12.38	60.26	100	0	P	H
		15720	44.33	-29.67	74	49.28	38.16	14.68	57.79	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	45.39	-22.81	68.2	53.3	39.97	12.38	60.26	100	0	P	V
5240MHz		15720	44.39	-29.61	74	49.34	38.16	14.68	57.79	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5148.98	55.42	-18.58	74	45.11	31.69	8.17	29.55	199	78	P	H
		5149.76	49.01	-4.99	54	38.7	31.69	8.17	29.55	199	78	A	H
	*	5190	105.62	-	-	95.24	31.71	8.22	29.55	199	78	P	H
	*	5190	98.38	-	-	88	31.71	8.22	29.55	199	78	A	H
802.11ac		5408.48	50.45	-23.55	74	39.88	31.84	8.31	29.58	199	78	P	H
VHT40		5453.56	41.14	-12.86	54	30.4	31.87	8.46	29.59	199	78	A	H
CH 38		5149.24	57.94	-16.06	74	47.63	31.69	8.17	29.55	194	47	P	V
5190MHz		5149.76	51.36	-2.64	54	41.05	31.69	8.17	29.55	194	47	A	V
	*	5190	109.26	-	-	98.88	31.71	8.22	29.55	194	47	P	V
	*	5190	101.21	-	-	90.83	31.71	8.22	29.55	194	47	A	V
		5432.84	50.79	-23.21	74	40.1	31.86	8.41	29.58	194	47	P	V
		5456.64	41.41	-12.59	54	30.67	31.87	8.46	29.59	194	47	A	V
		5150	53.19	-20.81	74	42.88	31.69	8.17	29.55	216	87	P	H
		5149.5	46.48	-7.52	54	36.17	31.69	8.17	29.55	216	87	A	H
	*	5230	110.67	-	-	100.24	31.74	8.25	29.56	216	87	P	H
	*	5230	102.71	-	-	92.28	31.74	8.25	29.56	216	87	A	H
802.11ac		5356.68	50.18	-23.82	74	39.65	31.81	8.29	29.57	216	87	P	H
VHT40		5352.76	41.78	-12.22	54	31.25	31.81	8.29	29.57	216	87	A	H
CH 46		5147.94	55.7	-18.3	74	45.39	31.69	8.17	29.55	199	46	P	V
5230MHz		5150	47.23	-6.77	54	36.92	31.69	8.17	29.55	199	46	A	V
	*	5230	112.66	-	-	102.23	31.74	8.25	29.56	199	46	P	V
	*	5230	104.29	-	-	93.86	31.74	8.25	29.56	199	46	A	V
		5350	52.05	-21.95	74	41.52	31.81	8.29	29.57	199	46	P	V
		5353.88	42.31	-11.69	54	31.78	31.81	8.29	29.57	199	46	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10380	45.85	-22.35	68.2	53.76	39.79	12.34	60.04	100	0	P	H
		15570	44.03	-29.97	74	48.88	38.53	14.62	58	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	44.36	-23.84	68.2	52.27	39.79	12.34	60.04	100	0	P	V
5190MHz		15570	44.1	-29.9	74	48.95	38.53	14.62	58	100	0	P	V
													V
													V
		10460	46.75	-21.45	68.2	54.66	39.91	12.37	60.19	100	0	P	H
		15690	43.7	-30.3	74	48.62	38.24	14.67	57.83	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	45.72	-22.48	68.2	53.63	39.91	12.37	60.19	100	0	P	V
5230MHz		15690	43.9	-30.1	74	48.82	38.24	14.67	57.83	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5149.76	55.68	-18.32	74	45.37	31.69	8.17	29.55	202	81	P	H
		5148.46	47.05	-6.95	54	36.74	31.69	8.17	29.55	202	81	A	H
	*	5210	101.84	-	-	91.43	31.73	8.24	29.56	202	81	P	H
	*	5210	93.31	-	-	82.9	31.73	8.24	29.56	202	81	A	H
802.11ac		5400.64	50.98	-23.02	74	40.41	31.84	8.31	29.58	202	81	P	H
VHT80		5459.16	41.34	-12.66	54	30.6	31.87	8.46	29.59	202	81	A	H
CH 42		5140.66	57.57	-16.43	74	47.28	31.69	8.15	29.55	211	68	P	V
5210MHz		5148.46	49.37	-4.63	54	39.06	31.69	8.17	29.55	211	68	A	V
	*	5210	105.1	-	-	94.69	31.73	8.24	29.56	211	68	P	V
	*	5210	97.64	-	-	87.23	31.73	8.24	29.56	211	68	A	V
		5441.8	51.46	-22.54	74	40.77	31.86	8.41	29.58	211	68	P	V
		5454.12	41.76	-12.24	54	31.02	31.87	8.46	29.59	211	68	A	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10420	45.61	-22.59	68.2	53.52	39.85	12.36	60.12	100	0	P	H
		15630	43.11	-30.89	74	48	38.37	14.65	57.91	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	46.51	-21.69	68.2	54.42	39.85	12.36	60.12	100	0	P	V
5210MHz		15630	43.6	-30.4	74	48.49	38.37	14.65	57.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5008.16	52.2	-21.8	74	42.13	31.61	7.99	29.53	205	96	P	H
		5109.82	43.3	-10.7	54	33.04	31.67	8.13	29.54	205	96	A	H
	*	5260	114.16	-	-	103.7	31.76	8.26	29.56	205	96	P	H
	*	5260	105.49	-	-	95.03	31.76	8.26	29.56	205	96	A	H
802.11ac		5351.28	51.91	-22.09	74	41.38	31.81	8.29	29.57	205	96	P	H
VHT20		5353.44	42.94	-11.06	54	32.41	31.81	8.29	29.57	205	96	A	H
CH 52		5120.02	52.1	-21.9	74	41.85	31.67	8.13	29.55	203	48	P	V
5260MHz		5073.1	43.32	-10.68	54	33.13	31.65	8.08	29.54	203	48	A	V
	*	5260	115.99	-	-	105.53	31.76	8.26	29.56	203	48	P	V
	*	5260	106.93	-	-	96.47	31.76	8.26	29.56	203	48	A	V
		5357.52	51.78	-22.22	74	41.25	31.81	8.29	29.57	203	48	P	V
		5356.56	43.54	-10.46	54	33.01	31.81	8.29	29.57	203	48	A	V
		5078.54	52.84	-21.16	74	42.65	31.65	8.08	29.54	189	127	P	H
		5061.88	43.05	-10.95	54	32.89	31.64	8.06	29.54	189	127	A	H
	*	5300	112.64	-	-	102.16	31.78	8.27	29.57	189	127	P	H
	*	5300	104.27	-	-	93.79	31.78	8.27	29.57	189	127	A	H
802.11ac		5351.76	62.74	-11.26	74	52.21	31.81	8.29	29.57	189	127	P	H
VHT20		5353.68	47.37	-6.63	54	36.84	31.81	8.29	29.57	189	127	A	H
CH 60		5055.42	52.6	-21.4	74	42.44	31.64	8.06	29.54	204	67	P	V
5300MHz		5055.42	43.16	-10.84	54	33	31.64	8.06	29.54	204	67	A	V
	*	5300	115.73	-	-	105.25	31.78	8.27	29.57	204	67	P	V
	*	5300	107.13	-	-	96.65	31.78	8.27	29.57	204	67	A	V
		5350.08	60.94	-13.06	74	50.41	31.81	8.29	29.57	204	67	P	V
		5352.48	47.02	-6.98	54	36.49	31.81	8.29	29.57	204	67	A	V

	*	5320	112.94	-	-	102.44	31.79	8.28	29.57	177	108	P	H
	*	5320	105.19	-	-	94.69	31.79	8.28	29.57	177	108	A	H
		5351.36	61.25	-12.75	74	50.72	31.81	8.29	29.57	177	108	P	H
		5351.52	47.57	-6.43	54	37.04	31.81	8.29	29.57	177	108	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	114.32	-	-	103.82	31.79	8.28	29.57	188	312	P	V
5320MHz	*	5320	106.08	-	-	95.58	31.79	8.28	29.57	188	312	A	V
		5361.28	66.98	-7.02	74	56.43	31.82	8.3	29.57	188	312	P	V
		5351.36	50.96	-3.04	54	40.43	31.81	8.29	29.57	188	312	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10520	48.29	-19.91	68.2	56.22	40.02	12.39	60.34	100	0	P	H
		15780	43.2	-30.8	74	48.16	38.04	14.71	57.71	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	48.27	-19.93	68.2	56.2	40.02	12.39	60.34	100	0	P	V
5260MHz		15780	43.87	-30.13	74	48.83	38.04	14.71	57.71	100	0	P	V
													V
													V
		10600	49.61	-24.39	74	57.65	40.1	12.41	60.55	100	0	P	H
		15900	44.54	-29.46	74	49.56	37.75	14.77	57.54	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	55.59	-18.41	74	63.63	40.1	12.41	60.55	328	0	P	V
5300MHz		10600	45.18	-8.82	54	53.22	40.1	12.41	60.55	328	0	A	V
		15900	44.55	-29.45	74	49.57	37.75	14.77	57.54	100	0	P	V
													V
		10640	49.84	-24.16	74	57.92	40.14	12.41	60.63	100	0	P	H
		15960	43.38	-30.62	74	48.47	37.58	14.78	57.45	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	55.3	-18.7	74	63.38	40.14	12.41	60.63	325	360	P	V
5320MHz		10640	45.4	-8.6	54	53.48	40.14	12.41	60.63	325	360	A	V
		15960	43.47	-30.53	74	48.56	37.58	14.78	57.45	100	0	P	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5042.84	51.57	-22.43	74	41.44	31.63	8.04	29.54	210	86	P	H
		5111.52	41.9	-12.1	54	31.64	31.67	8.13	29.54	210	86	A	H
	*	5270	110.45	-	-	99.98	31.76	8.27	29.56	210	86	P	H
	*	5270	102.51	-	-	92.04	31.76	8.27	29.56	210	86	A	H
802.11ac		5350.08	52.61	-21.39	74	42.08	31.81	8.29	29.57	210	86	P	H
VHT40		5350.32	44.23	-9.77	54	33.7	31.81	8.29	29.57	210	86	A	H
CH 54		5030.6	50.42	-23.58	74	40.32	31.62	8.01	29.53	198	45	P	V
5270MHz		5149.26	42.21	-11.79	54	31.9	31.69	8.17	29.55	198	45	A	V
	*	5270	112.11	-	-	101.64	31.76	8.27	29.56	198	45	P	V
	*	5270	104.11	-	-	93.64	31.76	8.27	29.56	198	45	A	V
		5355.12	55.46	-18.54	74	44.93	31.81	8.29	29.57	198	45	P	V
		5350.08	45.99	-8.01	54	35.46	31.81	8.29	29.57	198	45	A	V
		5049.98	52.22	-21.78	74	42.09	31.63	8.04	29.54	198	95	P	H
		5083.3	41.93	-12.07	54	31.74	31.65	8.08	29.54	198	95	A	H
	*	5310	107.25	-	-	96.75	31.79	8.28	29.57	198	95	P	H
	*	5310	98.98	-	-	88.48	31.79	8.28	29.57	198	95	A	H
802.11ac		5350.32	57.89	-16.11	74	47.36	31.81	8.29	29.57	198	95	P	H
VHT40		5350.08	50.42	-3.58	54	39.89	31.81	8.29	29.57	198	95	A	H
CH 62		5102.34	51.17	-22.83	74	40.95	31.66	8.1	29.54	191	46	P	V
5310MHz		5063.24	41.93	-12.07	54	31.77	31.64	8.06	29.54	191	46	A	V
	*	5310	108.61	-	-	98.11	31.79	8.28	29.57	191	46	P	V
	*	5310	101.05	-	-	90.55	31.79	8.28	29.57	191	46	A	V
		5350.32	60.02	-13.98	74	49.49	31.81	8.29	29.57	191	46	P	V
		5350.56	52.19	-1.81	54	41.66	31.81	8.29	29.57	191	46	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10540	48.65	-19.55	68.2	56.61	40.03	12.39	60.38	100	0	P	H
		15810	43.33	-30.67	74	48.31	37.96	14.73	57.67	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	47.94	-20.26	68.2	55.9	40.03	12.39	60.38	100	0	P	V
5270MHz		15810	43	-31	74	47.98	37.96	14.73	57.67	100	0	P	V
													V
													V
		10620	46.01	-27.99	74	54.07	40.12	12.41	60.59	100	0	P	H
		15930	44.48	-29.52	74	49.53	37.67	14.78	57.5	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	46.25	-27.75	74	54.31	40.12	12.41	60.59	100	0	P	V
5310MHz		15930	43.5	-30.5	74	48.55	37.67	14.78	57.5	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5009.86	53.67	-20.33	74	43.6	31.61	7.99	29.53	170	120	P	H
		5057.46	42.28	-11.72	54	32.12	31.64	8.06	29.54	170	120	A	H
	*	5290	101.47	-	-	90.99	31.77	8.27	29.56	170	120	P	H
	*	5290	93.33	-	-	82.85	31.77	8.27	29.56	170	120	A	H
802.11ac		5354.4	58.23	-15.77	74	47.7	31.81	8.29	29.57	170	120	P	H
VHT80		5351.28	49.54	-4.46	54	39.01	31.81	8.29	29.57	170	120	A	H
CH 58		5056.44	53.06	-20.94	74	42.9	31.64	8.06	29.54	204	50	P	V
5290MHz		5046.58	42.32	-11.68	54	32.19	31.63	8.04	29.54	204	50	A	V
	*	5290	104.97	-	-	94.49	31.77	8.27	29.56	204	50	P	V
	*	5290	96.95	-	-	86.47	31.77	8.27	29.56	204	50	A	V
		5358.48	59.99	-14.01	74	49.45	31.81	8.3	29.57	204	50	P	V
		5350.56	51.71	-2.29	54	41.18	31.81	8.29	29.57	204	50	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		10580	47.36	-20.84	68.2	55.38	40.09	12.4	60.51	100	0	P	H
		15870	44.1	-29.9	74	49.13	37.79	14.75	57.57	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	45.44	-22.76	68.2	53.46	40.09	12.4	60.51	100	0	P	V
5290MHz		15870	43.22	-30.78	74	48.25	37.79	14.75	57.57	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.6	62.21	-11.79	74	51.47	31.87	8.46	29.59	190	108	P	H
		5466.32	63.16	-5.04	68.2	52.36	31.88	8.51	29.59	190	108	P	H
		5459.44	46.15	-7.85	54	35.41	31.87	8.46	29.59	190	108	A	H
	*	5500	111.77	-	-	100.9	31.9	8.56	29.59	190	108	P	H
	*	5500	103.63	-	-	92.76	31.9	8.56	29.59	190	108	A	H
802.11ac													H
VHT20		5458	65.91	-8.09	74	55.17	31.87	8.46	29.59	221	89	P	V
CH 100		5468.72	67.2	-1	68.2	56.4	31.88	8.51	29.59	221	89	P	V
5500MHz		5458.64	49.84	-4.16	54	39.1	31.87	8.46	29.59	221	89	A	V
	*	5500	114.47	-	-	103.6	31.9	8.56	29.59	221	89	P	V
	*	5500	105.58	-	-	94.71	31.9	8.56	29.59	221	89	A	V
													V
		5437.36	51.88	-22.12	74	41.19	31.86	8.41	29.58	185	108	P	H
		5468.08	52.07	-16.13	68.2	41.27	31.88	8.51	29.59	185	108	P	H
		5457.52	43.42	-10.58	54	32.68	31.87	8.46	29.59	185	108	A	H
	*	5580	113.93	-	-	102.76	32	8.8	29.63	185	108	P	H
802.11ac	*	5580	105.99	-	-	94.82	32	8.8	29.63	185	108	A	H
VHT20		5751.77	53.38	-14.82	68.2	42	32.26	8.81	29.69	185	108	P	H
CH 116		5457.04	51.81	-22.19	74	41.07	31.87	8.46	29.59	230	87	P	V
5580MHz		5460.64	52.32	-15.88	68.2	41.58	31.87	8.46	29.59	230	87	P	V
		5459.92	43.53	-10.47	54	32.79	31.87	8.46	29.59	230	87	A	V
	*	5580	117.01	-	-	105.84	32	8.8	29.63	230	87	P	V
	*	5580	107.97	-	-	96.8	32	8.8	29.63	230	87	A	V
		5745.785	52.63	-15.57	68.2	41.27	32.24	8.81	29.69	230	87	P	V

	*	5700	113.84	-	-	102.52	32.17	8.82	29.67	186	108	P	H
	*	5700	105.39	-	-	94.07	32.17	8.82	29.67	186	108	A	H
		5728.52	63.47	-4.73	68.2	52.12	32.21	8.82	29.68	186	108	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	115.61	-	-	104.29	32.17	8.82	29.67	194	67	P	V
5700MHz	*	5700	106.95	-	-	95.63	32.17	8.82	29.67	194	67	A	V
		5727.88	65.64	-2.56	68.2	54.29	32.21	8.82	29.68	194	67	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11000	49.68	-24.32	74	58.17	40.5	12.51	61.5	100	0	P	H
		16500	45.14	-23.06	68.2	48.12	39.4	14.92	57.3	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	54.97	-19.03	74	63.46	40.5	12.51	61.5	305	360	P	V
5500MHz		11000	45.47	-8.53	54	53.96	40.5	12.51	61.5	305	360	A	V
		16500	45.28	-22.92	68.2	48.26	39.4	14.92	57.3	100	0	P	V
													V
		11160	54.91	-19.09	74	63.55	40.3	12.59	61.53			P	H
		11160	44.91	-9.09	54	53.55	40.3	12.59	61.53	104	347	A	H
802.11ac		16740	46.09	-22.11	68.2	48.26	39.69	14.96	56.82	100	0	P	H
VHT20													H
CH 116		11160	57.87	-16.13	74	66.51	40.3	12.59	61.53	296	0	P	V
5580MHz		11160	47.76	-6.24	54	56.4	40.3	12.59	61.53	296	0	A	V
		16740	46.15	-22.05	68.2	48.32	39.69	14.96	56.82	100	0	P	V
													V
		11400	46.34	-27.66	74	55.18	40.02	12.72	61.58	100	0	P	H
		17100	48.24	-19.96	68.2	48.9	40.36	15.06	56.08	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	49.34	-24.66	74	58.18	40.02	12.72	61.58	100	0	P	V
5700MHz		17100	48.27	-19.93	68.2	48.93	40.36	15.06	56.08	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5458.72	58.53	-15.47	74	47.79	31.87	8.46	29.59	210	85	P	H
		5467.6	60.58	-7.62	68.2	49.78	31.88	8.51	29.59	210	85	P	H
		5459.44	45.91	-8.09	54	35.17	31.87	8.46	29.59	210	85	A	H
	*	5510	110.26	-	-	99.36	31.9	8.6	29.6	210	85	P	H
802.11ac	*	5510	101.38	-	-	90.48	31.9	8.6	29.6	210	85	A	H
VHT40		5748.935	52.16	-16.04	68.2	40.8	32.24	8.81	29.69	210	85	P	H
CH 102		5457.04	65.18	-8.82	74	54.44	31.87	8.46	29.59	202	75	P	V
5510MHz		5464.96	67.11	-1.09	68.2	56.36	31.88	8.46	29.59	202	75	P	V
		5459.92	47.49	-6.51	54	36.75	31.87	8.46	29.59	202	75	A	V
	*	5510	111.78	-	-	100.88	31.9	8.6	29.6	202	75	P	V
	*	5510	103.09	-	-	92.19	31.9	8.6	29.6	202	75	A	V
		5764.37	53.09	-15.11	68.2	41.73	32.26	8.81	29.71	202	75	P	V
		5455.6	53.85	-20.15	74	43.11	31.87	8.46	29.59	215	86	P	H
		5467.12	55.53	-12.67	68.2	44.73	31.88	8.51	29.59	215	86	P	H
		5458.72	43.93	-10.07	54	33.19	31.87	8.46	29.59	215	86	A	H
	*	5550	112.36	-	-	101.3	31.97	8.7	29.61	215	86	P	H
802.11ac	*	5550	103.89	-	-	92.83	31.97	8.7	29.61	215	86	A	H
VHT40		5730.35	52.13	-16.07	68.2	40.79	32.21	8.82	29.69	215	86	P	H
CH 110		5459.2	58.34	-15.66	74	47.6	31.87	8.46	29.59	206	74	P	V
5550MHz		5466.4	61.15	-7.05	68.2	50.35	31.88	8.51	29.59	206	74	P	V
		5459.92	44.56	-9.44	54	33.82	31.87	8.46	29.59	206	74	A	V
	*	5550	113.55	-	-	102.49	31.97	8.7	29.61	206	74	P	V
	*	5550	104.74	-	-	93.68	31.97	8.7	29.61	206	74	A	V
		5756.495	52.91	-15.29	68.2	41.55	32.26	8.81	29.71	206	74	P	V

		5430.5	52.4	-21.6	74	41.71	31.86	8.41	29.58	208	85	P	H
		5463.4	52.11	-16.09	68.2	41.36	31.88	8.46	29.59	208	85	P	H
		5459.2	41.41	-12.59	54	30.67	31.87	8.46	29.59	208	85	A	H
	*	5670	112.85	-	-	101.54	32.14	8.83	29.66	208	85	P	H
802.11ac	*	5670	103.9	-	-	92.59	32.14	8.83	29.66	208	85	A	H
VHT40		5730.665	66.68	-1.52	68.2	55.34	32.21	8.82	29.69	208	85	P	H
CH 134		5397.6	51.79	-22.21	74	41.22	31.84	8.31	29.58	203	74	P	V
5670MHz		5469.7	51.92	-16.28	68.2	41.12	31.88	8.51	29.59	203	74	P	V
		5458.5	41.46	-12.54	54	30.72	31.87	8.46	29.59	203	74	A	V
	*	5670	113.85	-	-	102.54	32.14	8.83	29.66	203	74	P	V
	*	5670	104.79	-	-	93.48	32.14	8.83	29.66	203	74	A	V
		5726.57	66.2	-2	68.2	54.85	32.21	8.82	29.68	203	74	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11020	47.15	-26.85	74	55.64	40.48	12.53	61.5	100	0	P	H
		16530	45.45	-22.75	68.2	48.32	39.44	14.92	57.23	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	48.15	-25.85	74	56.64	40.48	12.53	61.5	100	0	P	V
5510MHz		16530	46.28	-21.92	68.2	49.15	39.44	14.92	57.23	100	0	P	V
													V
													V
		11100	49.55	-24.45	74	58.13	40.38	12.56	61.52	100	0	P	H
		16650	45.58	-22.62	68.2	48.03	39.59	14.95	56.99	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	52.64	-21.36	74	61.22	40.38	12.56	61.52	295	4	P	V
5550MHz		11100	45.37	-8.63	54	53.95	40.38	12.56	61.52	295	4	A	V
		16650	45.56	-22.64	68.2	48.01	39.59	14.95	56.99	100	0	P	V
													V
		11340	46.28	-27.72	74	55.07	40.1	12.68	61.57	100	0	P	H
		17010	47.09	-21.11	68.2	48.27	40.06	15.02	56.26	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	48.41	-25.59	74	57.2	40.1	12.68	61.57	100	0	P	V
5670MHz		17010	46.92	-21.28	68.2	48.1	40.06	15.02	56.26	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		5459.92	56.36	-17.64	74	45.62	31.87	8.46	29.59	181	101	P	H
		5464	57.98	-10.22	68.2	47.23	31.88	8.46	29.59	181	101	P	H
		5458.72	47.26	-6.74	54	36.52	31.87	8.46	29.59	181	101	A	H
	*	5530	105.21	-	-	94.25	31.92	8.65	29.61	181	101	P	H
802.11ac	*	5530	96.07	-	-	85.11	31.92	8.65	29.61	181	101	A	H
VHT80		5737.595	51.65	-16.55	68.2	40.29	32.24	8.81	29.69	181	101	P	H
CH 106		5458.48	59.56	-14.44	74	48.82	31.87	8.46	29.59	202	65	P	V
5530MHz		5464.96	60.81	-7.39	68.2	50.06	31.88	8.46	29.59	202	65	P	V
		5459.44	50.59	-3.41	54	39.85	31.87	8.46	29.59	202	65	A	V
	*	5530	107.66	-	-	96.7	31.92	8.65	29.61	202	65	P	V
	*	5530	98.98	-	-	88.02	31.92	8.65	29.61	202	65	A	V
		5733.185	52.71	-15.49	68.2	41.37	32.21	8.82	29.69	202	65	P	V
		5440.48	50.83	-23.17	74	40.14	31.86	8.41	29.58	194	127	P	H
		5461.12	51.31	-16.89	68.2	40.57	31.87	8.46	29.59	194	127	P	H
		5458.96	41.52	-12.48	54	30.78	31.87	8.46	29.59	194	127	A	H
	*	5610	105.57	-	-	94.32	32.04	8.85	29.64	194	127	P	H
802.11ac	*	5610	96.56	-	-	85.31	32.04	8.85	29.64	194	127	A	H
VHT80		5733.185	51.85	-16.35	68.2	40.51	32.21	8.82	29.69	194	127	P	H
CH 122		5459.44	51.98	-22.02	74	41.24	31.87	8.46	29.59	202	68	P	V
5610MHz		5468.32	53.24	-14.96	68.2	42.44	31.88	8.51	29.59	202	68	P	V
		5459.92	42	-12	54	31.26	31.87	8.46	29.59	202	68	A	V
	*	5610	109.23	-	-	97.98	32.04	8.85	29.64	202	68	P	V
	*	5610	99.36	-	-	88.11	32.04	8.85	29.64	202	68	A	V
		5730.035	53.05	-15.15	68.2	41.7	32.21	8.82	29.68	202	68	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11060	45.94	-28.06	74	54.48	40.42	12.55	61.51	100	0	P	H
		16590	44.8	-23.4	68.2	47.5	39.5	14.93	57.13	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	45.89	-28.11	74	54.43	40.42	12.55	61.51	100	0	P	V
5530MHz		16590	45.67	-22.53	68.2	48.37	39.5	14.93	57.13	100	0	P	V
													V
													V
		11220	45.3	-28.7	74	53.97	40.24	12.63	61.54	100	0	P	H
		16830	46.04	-22.16	68.2	47.9	39.79	14.99	56.64	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	44.72	-29.28	74	53.39	40.24	12.63	61.54	100	0	P	V
5610MHz		16830	45.56	-22.64	68.2	47.42	39.79	14.99	56.64	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)
	*	5720	114.67	-	-	103.32	32.21	8.82	29.68	199	105	P	H
	*	5720	106.12	-	-	94.77	32.21	8.82	29.68	199	105	A	H
													H
													H
802.11ac													H
VHT20													H
CH 144	*	5720	115.99	-	-	104.64	32.21	8.82	29.68	195	66	P	V
5720MHz	*	5720	107.33	-	-	95.98	32.21	8.82	29.68	195	66	A	V
													V
													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 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11440	47.09	-26.91	74	55.98	39.98	12.72	61.59	100	0	P	H
		17160	47.91	-20.29	68.2	48.17	40.6	15.07	55.93	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	49.19	-24.81	74	58.08	39.98	12.72	61.59	100	0	P	V
5720MHz		17160	48.61	-19.59	68.2	48.87	40.6	15.07	55.93	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
	*	5710	113.31	-	-	101.98	32.19	8.82	29.68	200	93	P	H
	*	5710	104.61	-	-	93.28	32.19	8.82	29.68	200	93	A	H
													H
													H
802.11ac													H
VHT40													H
CH 142	*	5710	112.87	-	-	101.54	32.19	8.82	29.68	191	50	P	V
5710MHz	*	5710	104.97	-	-	93.64	32.19	8.82	29.68	191	50	A	V
													V
													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 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11420	46.76	-27.24	74	55.63	40	12.71	61.58	100	0	P	H
		17160	48.53	-19.67	68.2	48.79	40.6	15.07	55.93	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	46.56	-27.44	74	55.43	40	12.71	61.58	100	0	P	V
5710MHz		17160	48.06	-20.14	68.2	48.32	40.6	15.07	55.93	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
	*	5690	105.72	-	-	94.39	32.17	8.83	29.67	189	127	P	H
	*	5690	96.99	-	-	85.66	32.17	8.83	29.67	189	127	A	H
													H
													H
802.11ac													H
VHT80													H
CH 138	*	5690	107.9	-	-	96.57	32.17	8.83	29.67	194	67	P	V
5690MHz	*	5690	98.55	-	-	87.22	32.17	8.83	29.67	194	67	A	V
													V
													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 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
		11380	45.49	-28.51	74	54.32	40.04	12.71	61.58	100	0	P	H
		17070	47.16	-21.04	68.2	48.03	40.24	15.04	56.15	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	45.5	-28.5	74	54.33	40.04	12.71	61.58	100	0	P	V
5690MHz		17070	47.01	-21.19	68.2	47.88	40.24	15.04	56.15	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 802.11n VHT20 (LF @ 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)
802.11n VHT20 LF		66.18	29.45	-10.55	40	48.5	12.13	1.13	32.31	-	-	P	H
		155.82	32.48	-11.02	43.5	46.35	16.85	1.56	32.28	-	-	P	H
		236.82	42.56	-3.44	46	55.86	16.97	1.95	32.22	100	0	P	H
		311.2	27.87	-18.13	46	38.44	19.41	2.15	32.13	-	-	P	H
		405.7	28.8	-17.2	46	36.43	22.06	2.46	32.15	-	-	P	H
		720.7	35.99	-10.01	46	37.85	27.1	3.17	32.13	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.54	30.05	-9.95	40	37.64	23.96	0.79	32.34	-	-	P	V
		66.18	27.62	-12.38	40	46.67	12.13	1.13	32.31	-	-	P	V
		238.17	35.38	-10.62	46	48.47	17.18	1.95	32.22	-	-	P	V
		718.6	31.15	-14.85	46	33.09	27.03	3.17	32.14	-	-	P	V
		900.6	37.58	-8.42	46	36.49	29.04	3.55	31.5	100	0	P	V
		997.9	36.25	-17.75	54	32.78	30.37	3.72	30.62	-	-	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 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)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission

Test Engineer :	Fu Chen, Alex Jheng, and Wilson Wu	**Temperature :**	24.8~25.2°C
		Relative Humidity :	48~52%

Note symbol

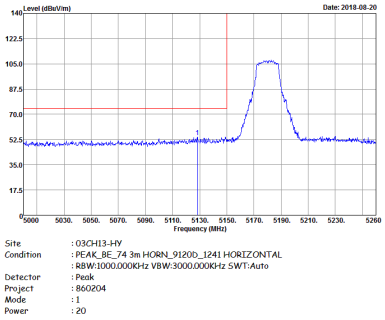
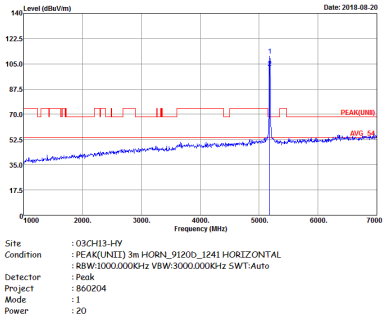
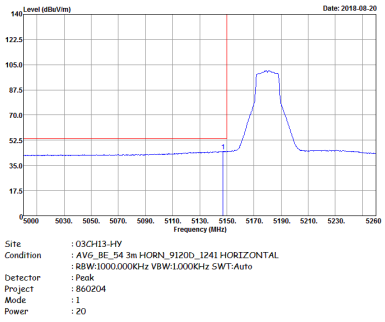
-L	**Low channel location**
-R	**High channel location**

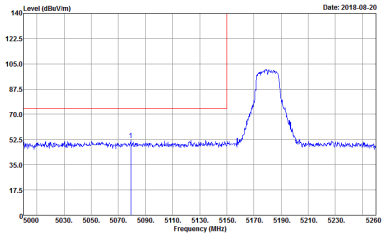
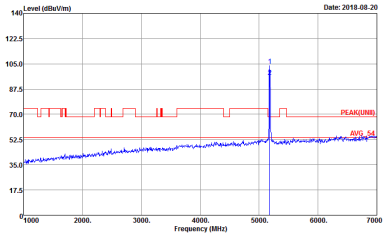
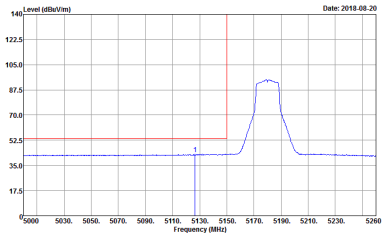
<CDD Mode>

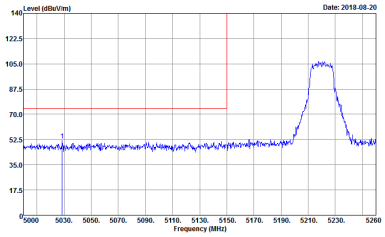
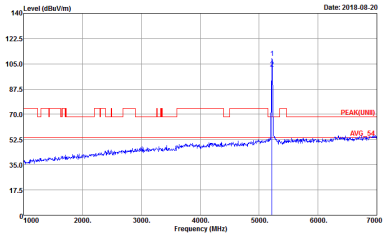
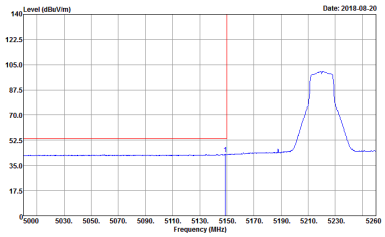
<For Sample 1>

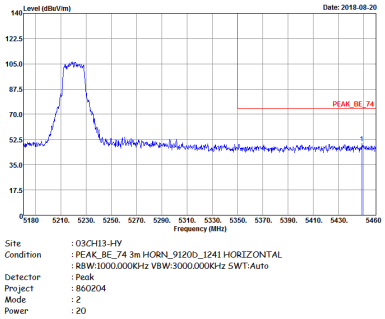
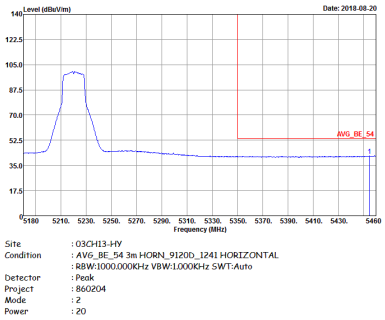
Band 1 - 5150~5250MHz

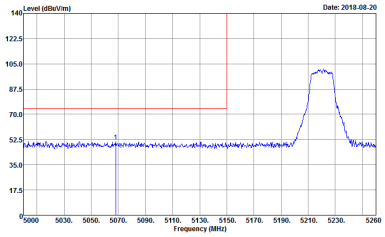
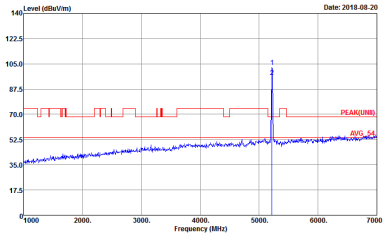
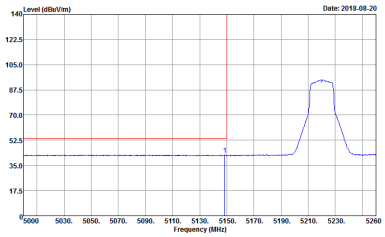
WIFI 802.11a (Band Edge @ 3m)

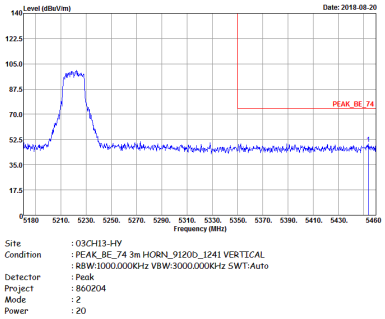
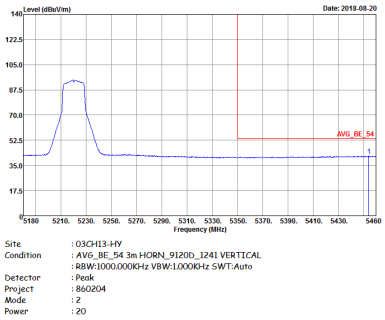
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

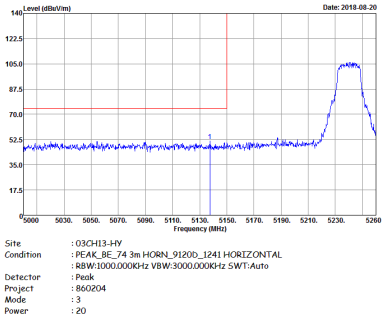
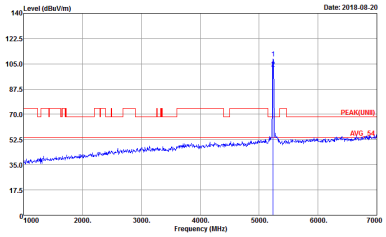
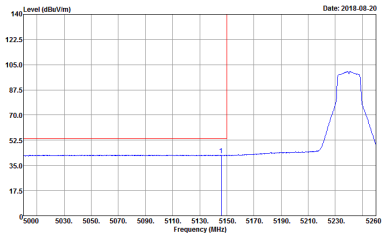
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 1 Power : 20	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 1 Power : 20
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 1 Power : 20	Left blank

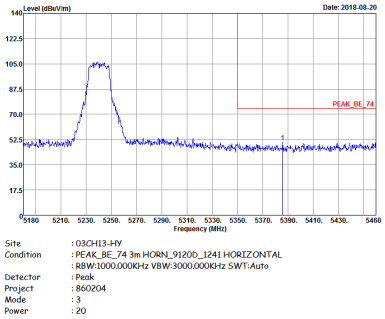
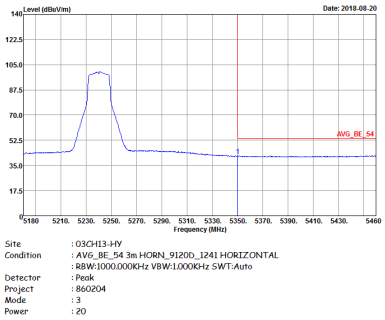
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 2 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 2 Power : 20
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 2 Power : 20	Left blank

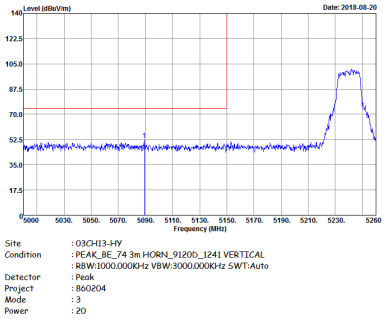
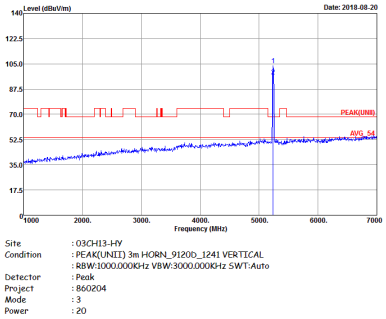
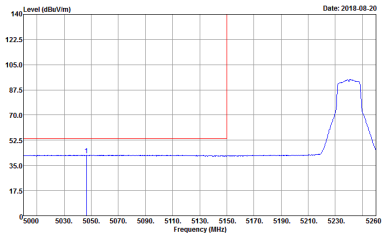
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 2 Power : 20	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 2 Power : 20	Left blank

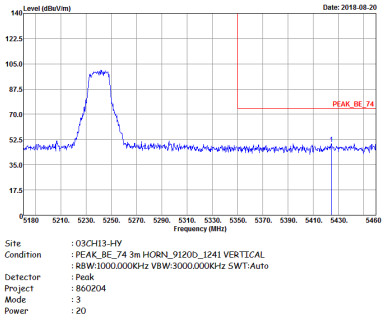
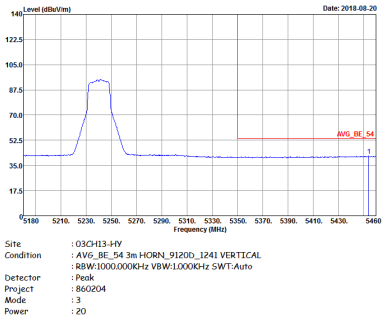
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 2 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 2 Power : 20
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 2 Power : 20	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 2 Power : 20	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 2 Power : 20	Left blank

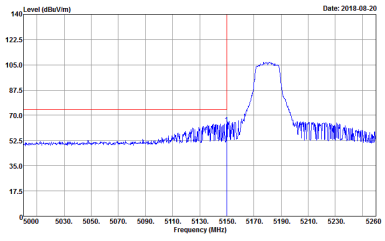
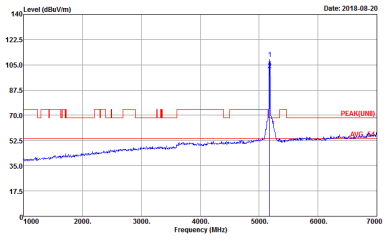
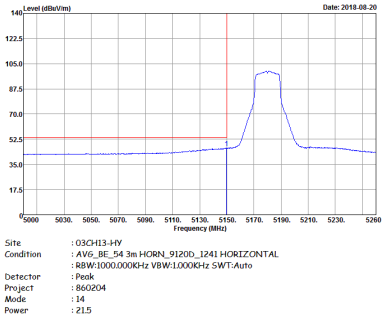
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 3 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 3 Power : 20
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 3 Power : 20	Left blank

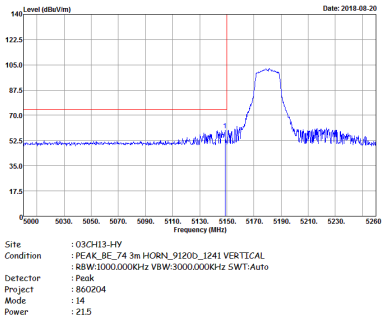
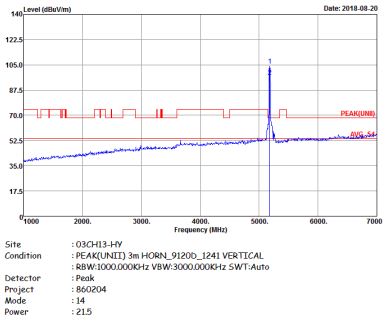
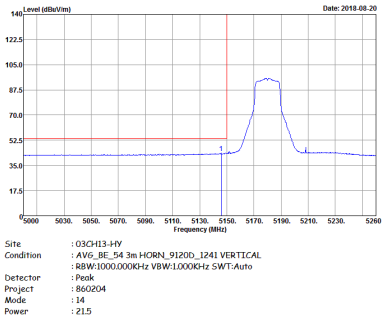
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 3 Power : 20	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 3 Power : 20	Left blank

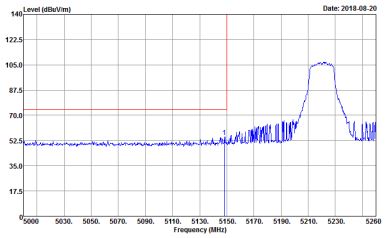
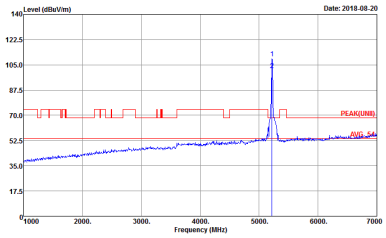
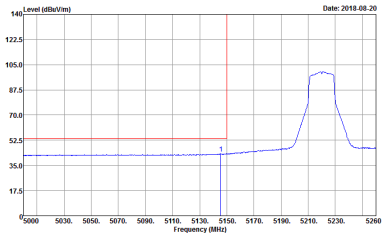
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 3 Power : 20	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 3 Power : 20
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 3 Power : 20	Left blank

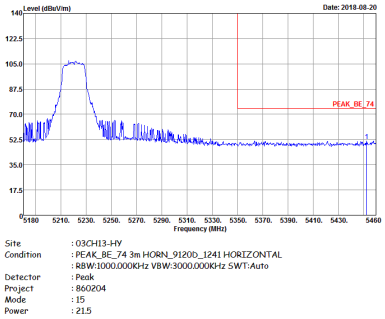
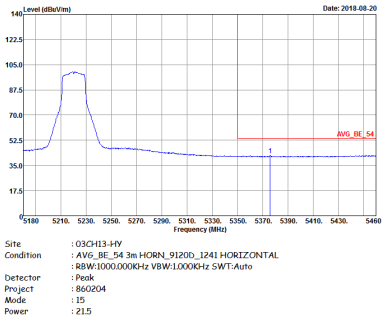
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 3 Power : 20	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 3 Power : 20	Left blank

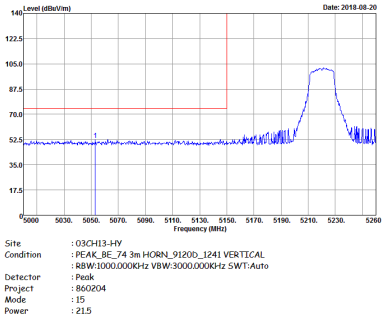
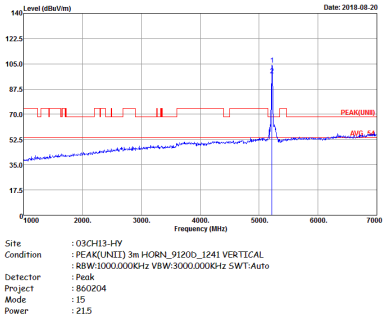
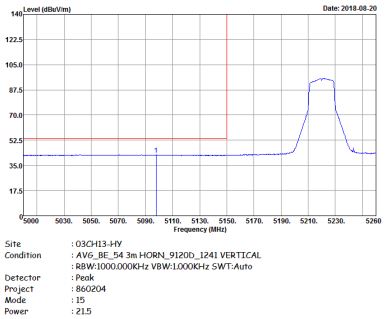
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

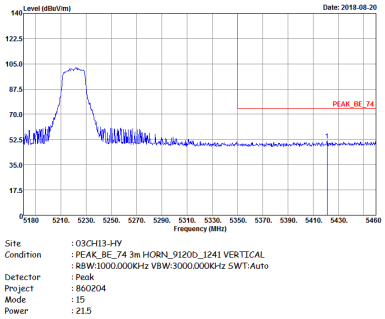
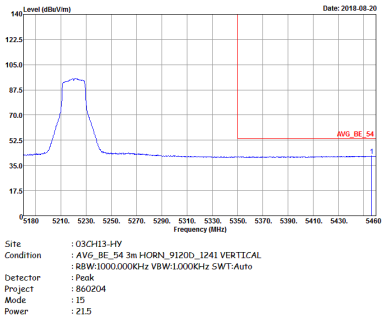
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

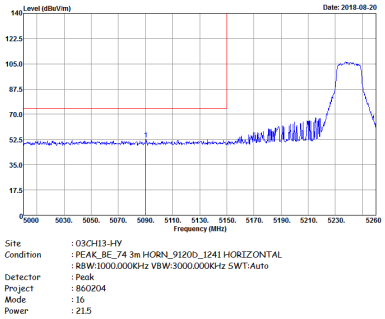
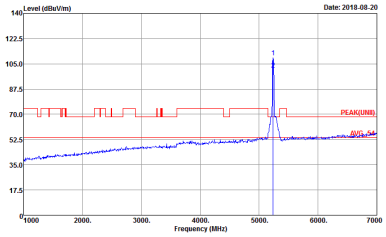
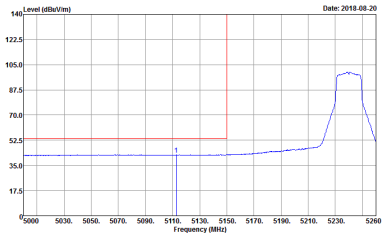
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

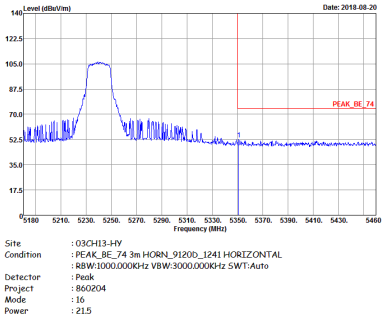
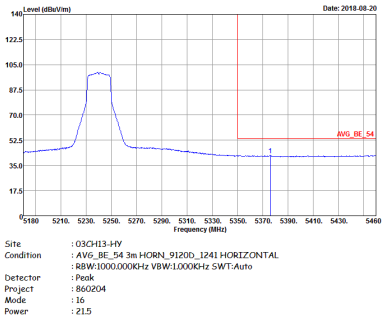
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 15 Power : 21.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 15 Power : 21.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 15 Power : 21.5	Left blank

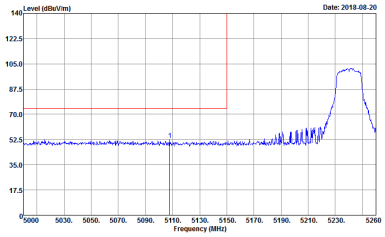
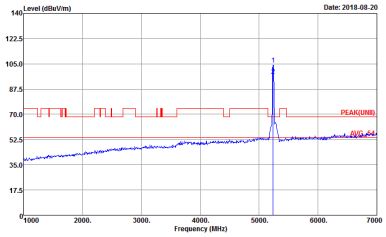
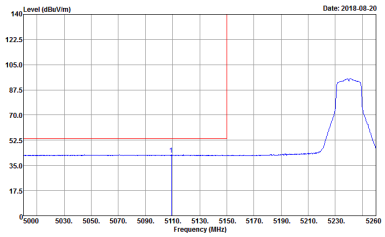
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 15 Power : 21.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 15 Power : 21.5	Left blank

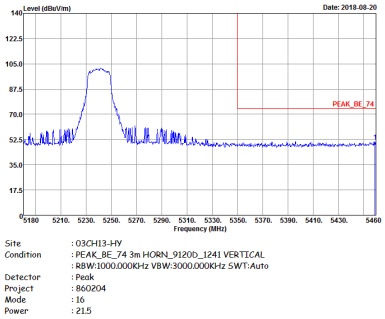
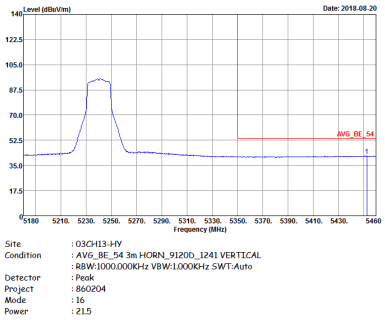
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 15 Power : 21.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 15 Power : 21.5	Left blank

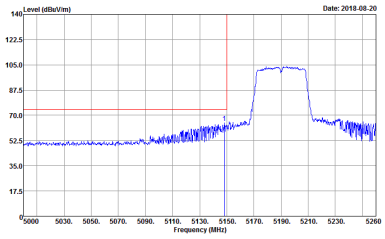
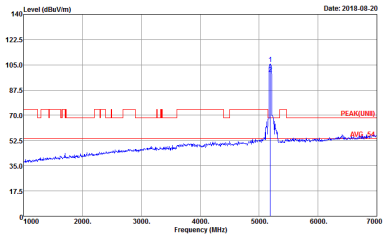
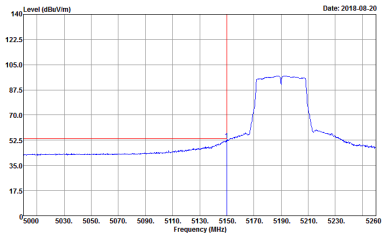
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 16 Power : 21.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 16 Power : 21.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 16 Power : 21.5	Left blank

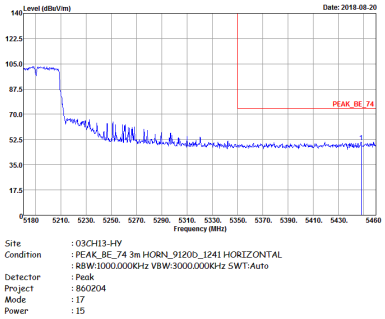
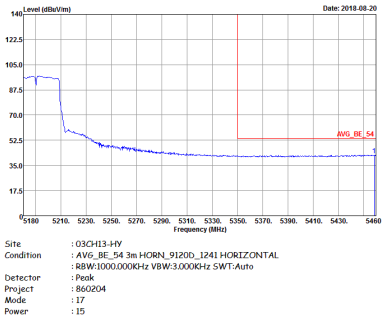
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 16 Power : 21.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 16 Power : 21.5	Left blank

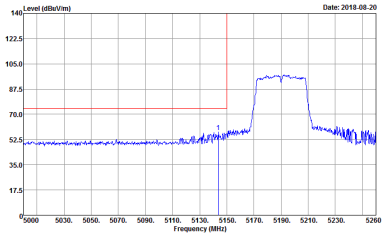
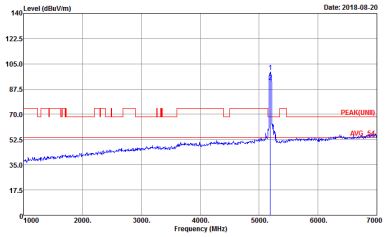
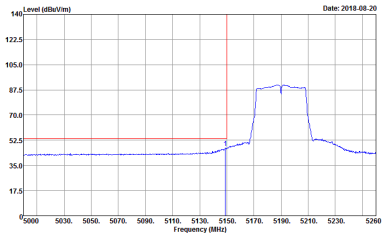
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 16 Power : 21.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 16 Power : 21.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 16 Power : 21.5	Left blank

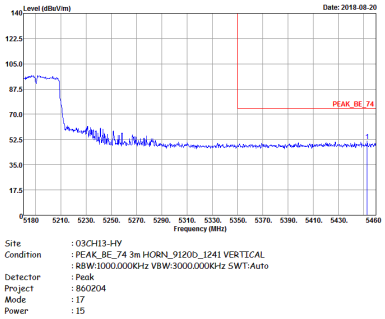
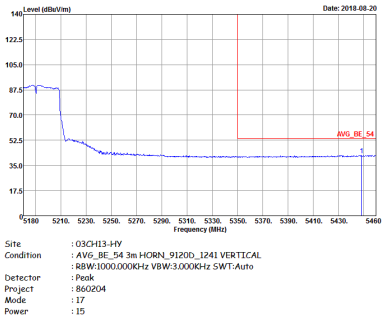
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

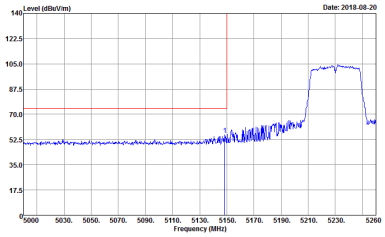
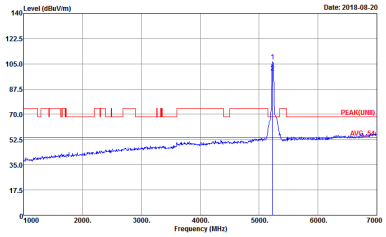
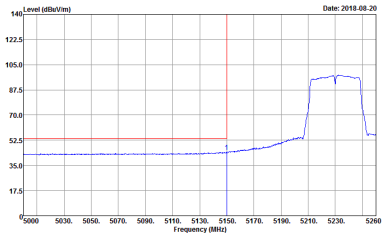
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

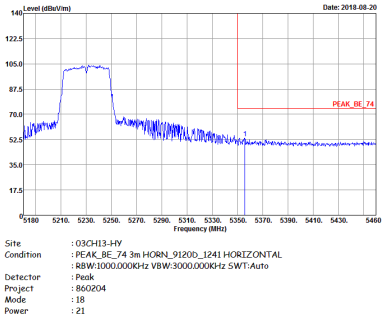
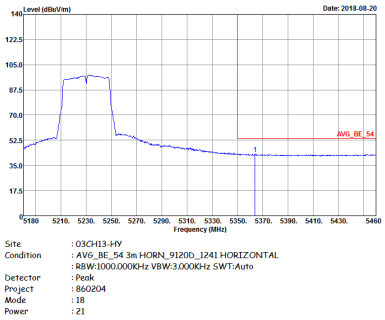
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

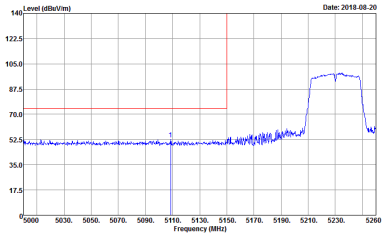
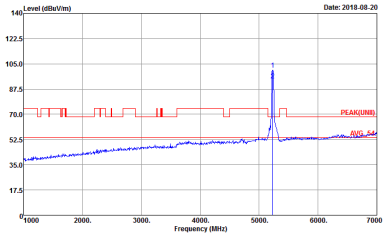
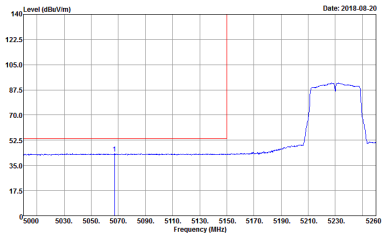
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 17 Power : 15	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 17 Power : 15	Left blank

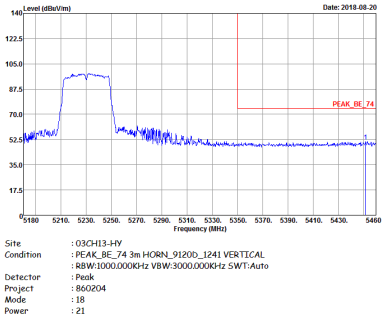
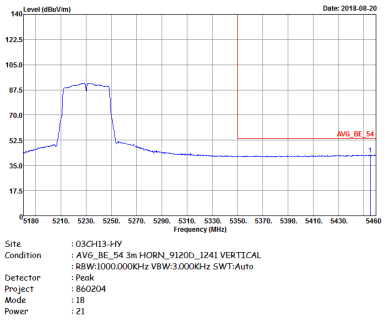
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 17 Power : 15	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 17 Power : 15
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 17 Power : 15	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 17 Power : 15	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 17 Power : 15	Left blank

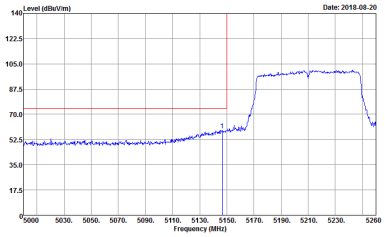
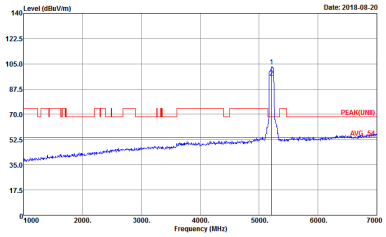
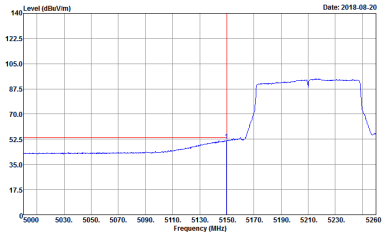
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 18 Power : 21	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 18 Power : 21
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 18 Power : 21	Left blank

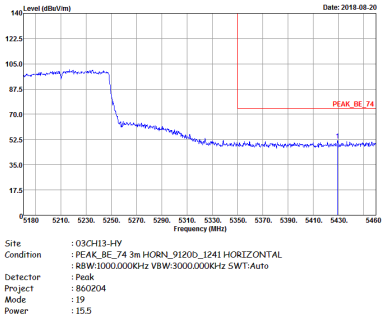
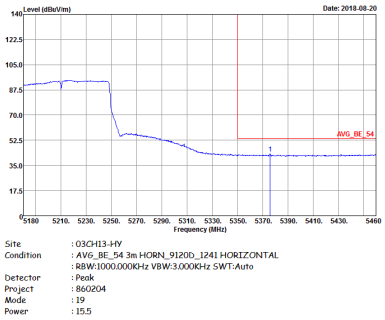
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 18 Power : 21	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 18 Power : 21	Left blank

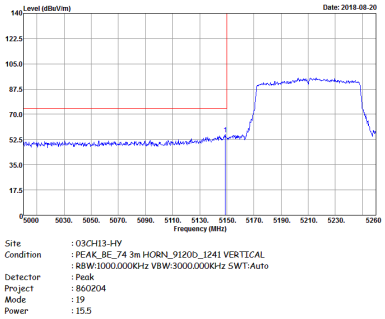
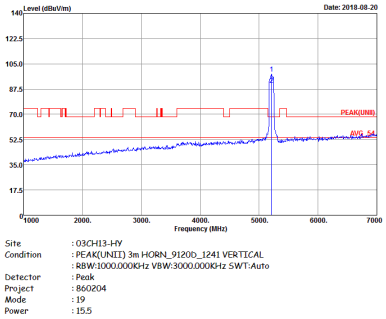
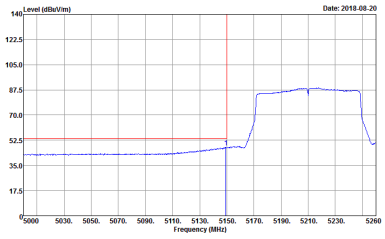
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 18 Power : 21	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 18 Power : 21
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 18 Power : 21	Left blank

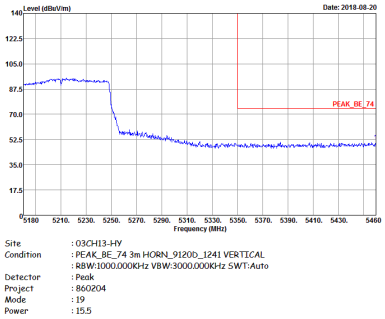
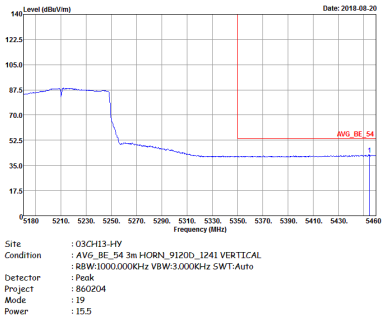
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 18 Power : 21	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 18 Power : 21	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	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 19 Power : 15.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 19 Power : 15.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 19 Power : 15.5	Left blank

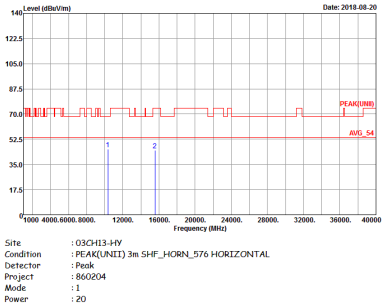
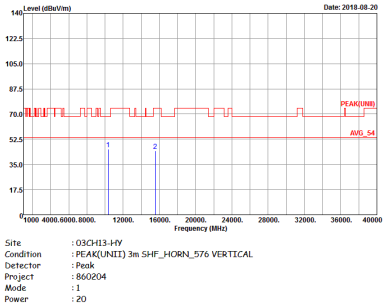
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 19 Power : 15.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 19 Power : 15.5	Left blank

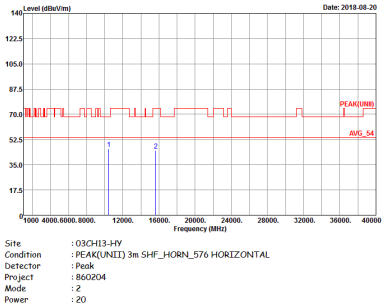
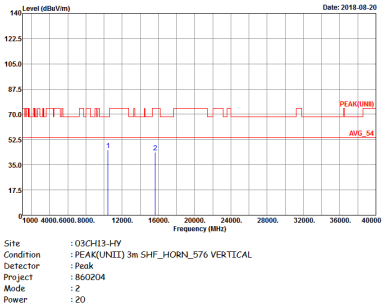
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 19 Power : 15.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 19 Power : 15.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 19 Power : 15.5	Left blank

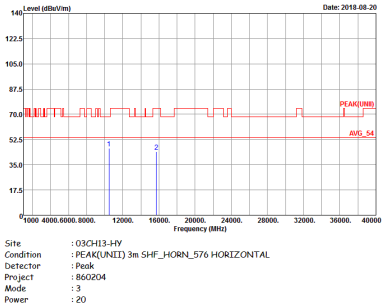
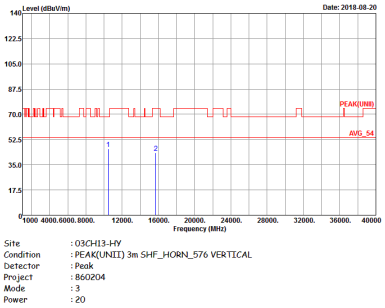
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 19 Power : 15.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 19 Power : 15.5	Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

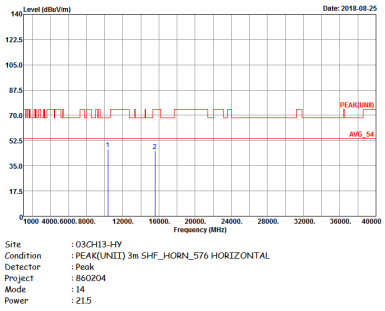
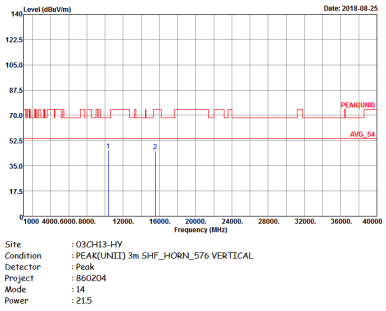
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

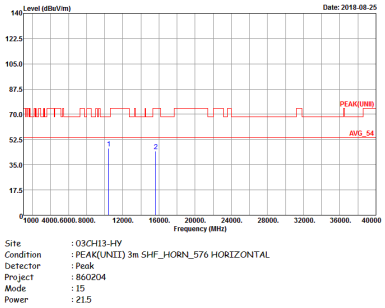
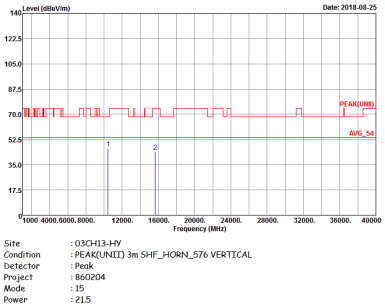
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 860204 Mode : 2 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 860204 Mode : 2 Power : 20

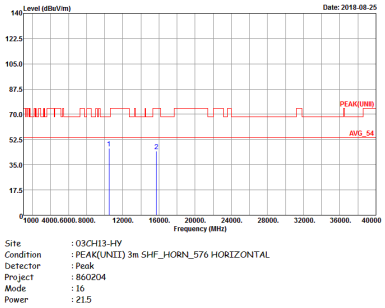
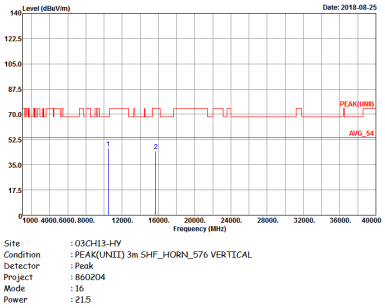
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 860204 Mode : 3 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 860204 Mode : 3 Power : 20

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

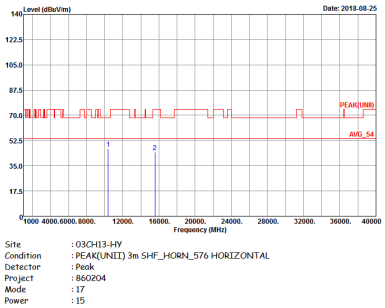
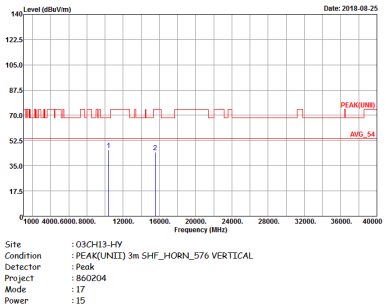
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

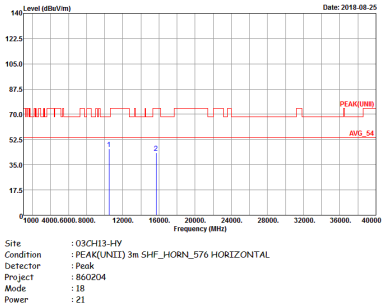
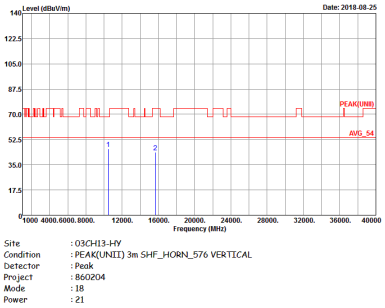
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 860204 Mode : 15 Power : 21.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 860204 Mode : 15 Power : 21.5

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 860204 Mode : 16 Power : 21.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 860204 Mode : 16 Power : 21.5

Band 1 5150~5250MHz

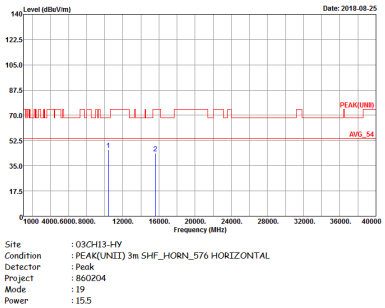
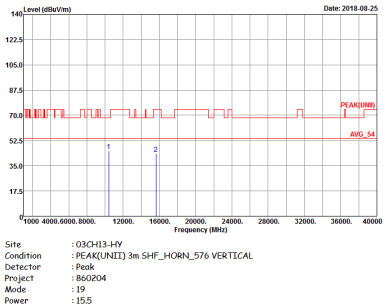
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak Project : 860204 Mode : 18 Power : 21	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak Project : 860204 Mode : 18 Power : 21

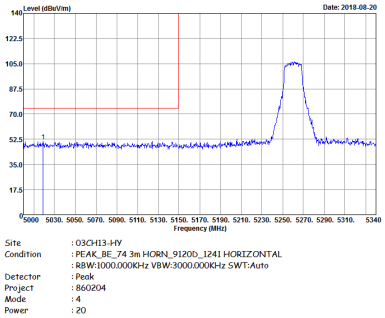
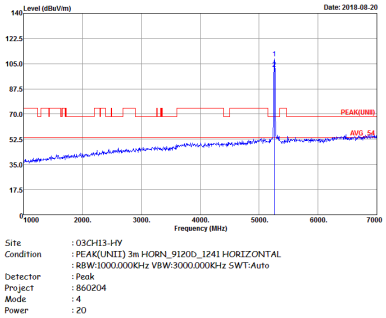
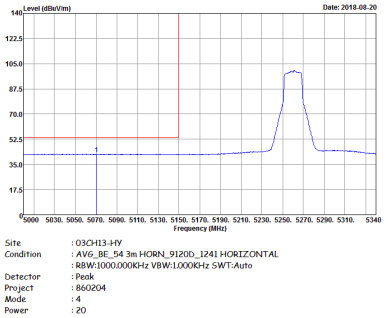
Band 1 5150~5250MHz

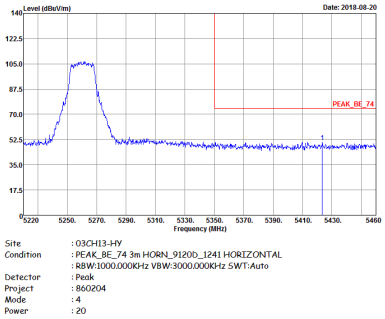
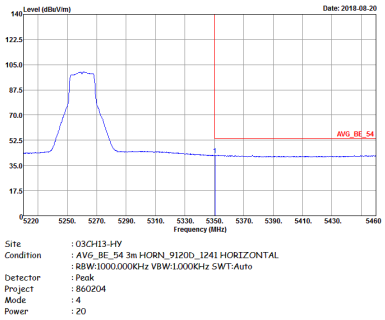
WIFI 802.11ac VHT80 (Harmonic @ 3m)

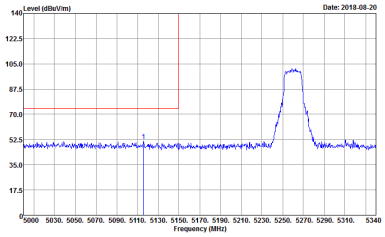
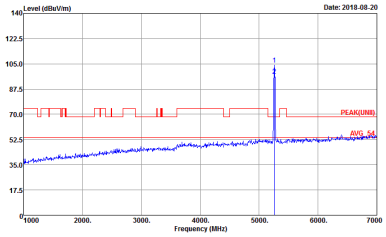
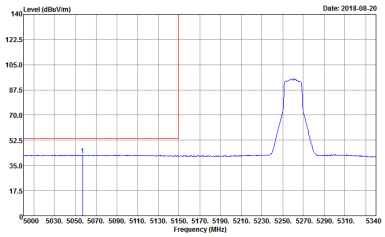
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

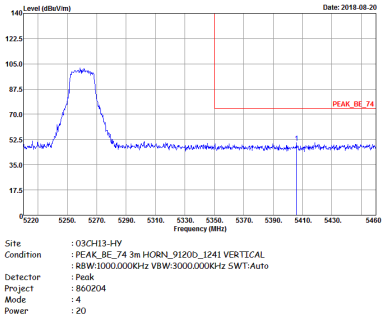
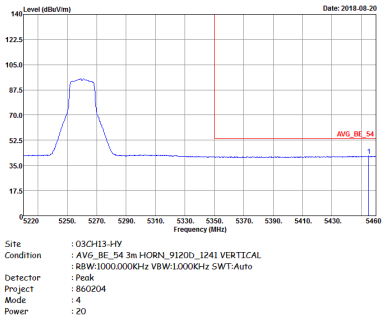
Band 2 - 5250~5350MHz

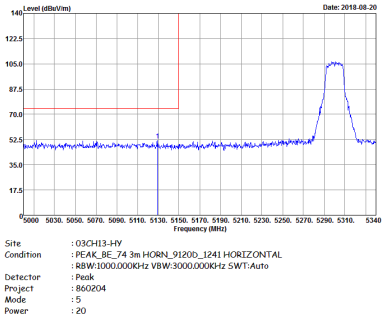
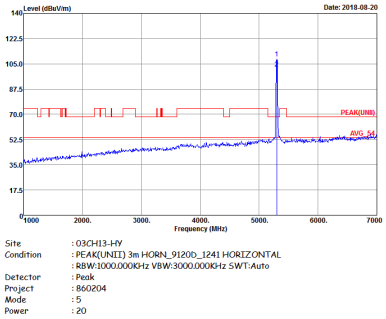
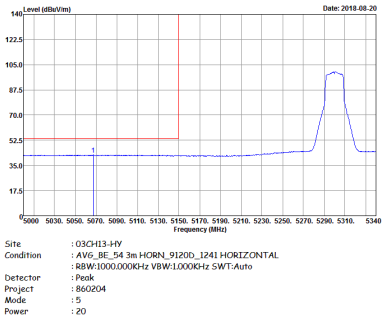
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 4 Power : 20	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 4 Power : 20
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 4 Power : 20	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 4 Power : 20	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 4 Power : 20	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 4 Power : 20	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 4 Power : 20
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 4 Power : 20	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 4 Power : 20	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 4 Power : 20	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 5 Power : 20	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 5 Power : 20
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 860204 Mode : 5 Power : 20	Left blank