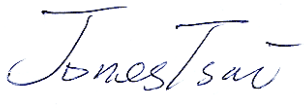
FCC RADIO TEST REPORT

FCC ID	:	**UZ7TC83B0**
Equipment	:	**Mobile Computer**
Brand Name	:	**ZEBRA**
Model Name	:	**TC83B0**
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 Nov. 01, 2018 and testing was started from Nov. 07, 2018 and completed on Mar. 21, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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



Approved by: Jones Tsai

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
FR8N0132-01E	01	Initial issue of report	Mar. 29, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 1.15 dB at 5150.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 9.16 dB at 0.755 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

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

Reviewed by: Wii Chang

Report Producer: Polly Tsai

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Computer
Brand Name	ZEBRA
Model Name	TC83B0
FCC ID	UZ7TC83B0
Sample 1	EUT with Scanner 1 (SE4750SR)
Sample 2	EUT with Scanner 2 (SE4750MR)
Sample 3	EUT with Scanner 3 (SE4850)
Sample 4	EUT with Scanner 4 (SE965)
EUT supports Radios application	WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	EV
SW Version	01-12-13.00-OG-U00-PRD
FW Version	FUSION_QA_2_1.1.0.003_O
MFD	27-Jan-19
EUT Stage	Engineering Sample

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

Specification of Accessories				
Battery 1	**Brand Name**	Zebra	**Part Number**	BT-000380
Battery 2	**Brand Name**	Zebra	**Part Number**	82-176054-01
Headset 1	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTVP-01
Audio adapter cable 1	**Brand Name**	Zebra	**Part Number**	CBL-TC8X-AUDBJ-01
Headset 2	**Brand Name**	Zebra	**Part Number**	HS2100-OTH
HS2100 to Quick Disconnect Cable	**Brand Name**	Zebra	**Part Number**	CBL-HS2100-QDC1-01
Audio adapter cable 2	**Brand Name**	Zebra	**Part Number**	CBL-TC8X-AUDQD-01
Hand Strap	**Brand Name**	Zebra	**Part Number**	SG-TC8X-HDSTP-01
USB Cable	**Brand Name**	Zebra	**Part Number**	CBL-TC8X-USBCHG-01
Holster 1	**Brand Name**	Zebra	**Part Number**	SG-TC8X-QDHLST-01
Holster 2	**Brand Name**	Zebra	**Part Number**	SG-TC8X-PMHLST-01
Adapter	**Brand Name**	Zebra	**Part Number**	PWR-BUA5V16W0WW
DC Line Cord	**Brand Name**	Zebra	**Part Number**	CBL-DC-383A1-01

Remark: USB cable was modified, all test item with this modified cable.

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Modes>	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>** 802.11a : 17.97 dBm / 0.0627 W 802.11n HT20 : 17.85 dBm / 0.0610 W 802.11n HT40 : 17.98 dBm / 0.0628 W 802.11ac VHT20: 17.82 dBm / 0.0605 W 802.11ac VHT40: 17.95 dBm / 0.0624 W 802.11ac VHT80: 17.10 dBm / 0.0513 W **<Ant. 2>** 802.11a : 18.49 dBm / 0.0706 W 802.11n HT20 : 18.40 dBm / 0.0692 W 802.11n HT40 : 18.49 dBm / 0.0706 W 802.11ac VHT20: 18.38 dBm / 0.0689 W 802.11ac VHT40: 18.47 dBm / 0.0703 W 802.11ac VHT80: 16.07 dBm / 0.0405 W **MIMO <Ant. 1+2>** 802.11a : 20.06 dBm / 0.1014 W 802.11n HT20 : 20.40 dBm / 0.1096 W 802.11n HT40 : 20.60 dBm / 0.1148 W 802.11ac VHT20: 20.36 dBm / 0.1086 W 802.11ac VHT40: 20.56 dBm / 0.1138 W 802.11ac VHT80: 17.37 dBm / 0.0546 W
	<5260 MHz ~ 5320 MHz> **<Ant. 1>** 802.11a : 17.99 dBm / 0.0630 W 802.11n HT20 : 17.94 dBm / 0.0622 W 802.11n HT40 : 17.97 dBm / 0.0627 W 802.11ac VHT20: 17.90 dBm / 0.0617 W 802.11ac VHT40: 17.96 dBm / 0.0625 W 802.11ac VHT80: 13.97 dBm / 0.0249 W **<Ant. 2>** 802.11a : 19.56 dBm / 0.0904 W 802.11n HT20 : 19.44 dBm / 0.0879 W 802.11n HT40 : 18.48 dBm / 0.0705 W 802.11ac VHT20: 19.40 dBm / 0.0871 W 802.11ac VHT40: 18.44 dBm / 0.0698 W 802.11ac VHT80: 13.57 dBm / 0.0228 W **MIMO <Ant. 1+2>** 802.11a : 20.03 dBm / 0.1007 W 802.11n HT20 : 20.44 dBm / 0.1107 W 802.11n HT40 : 20.63 dBm / 0.1156 W 802.11ac VHT20: 20.43 dBm / 0.1104 W 802.11ac VHT40: 20.59 dBm / 0.1146 W 802.11ac VHT80: 9.29 dBm / 0.0085 W

Standards-related Product Specification	
Maximum Output Power to Antenna <CDD Modes>	**<5500 MHz ~ 5720 MHz>** **<Ant. 1>** 802.11a : 18.24 dBm / 0.0667 W 802.11n HT20 : 18.08 dBm / 0.0643 W 802.11n HT40 : 16.32 dBm / 0.0429 W 802.11ac VHT20: 18.06 dBm / 0.0640 W 802.11ac VHT40: 16.30 dBm / 0.0427 W 802.11ac VHT80: 16.49 dBm / 0.0446 W **<Ant. 2>** 802.11a : 19.71 dBm / 0.0935 W 802.11n HT20 : 19.62 dBm / 0.0916 W 802.11n HT40 : 17.31 dBm / 0.0538 W 802.11ac VHT20: 19.44 dBm / 0.0879 W 802.11ac VHT40: 17.30 dBm / 0.0537 W 802.11ac VHT80: 17.47 dBm / 0.0558 W **MIMO <Ant. 1+2>** 802.11a : 19.32 dBm / 0.0855 W 802.11n HT20 : 19.60 dBm / 0.0912 W 802.11n HT40 : 19.42 dBm / 0.0875 W 802.11ac VHT20: 19.53 dBm / 0.0897 W 802.11ac VHT40: 19.38 dBm / 0.0867 W 802.11ac VHT80: 19.45 dBm / 0.0881 W
Maximum Output Power to Antenna <TXBF Modes>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 1+2>** 802.11ac VHT20: 19.35 dBm / 0.0861 W 802.11ac VHT40: 20.67 dBm / 0.1167 W 802.11ac VHT80: 20.11 dBm / 0.1026 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1+2>** 802.11ac VHT20: 19.37 dBm / 0.0865 W 802.11ac VHT40: 21.07 dBm / 0.1279 W 802.11ac VHT80: 18.11 dBm / 0.0647 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 1+2>** 802.11ac VHT20: 18.77 dBm / 0.0753 W 802.11ac VHT40: 19.94 dBm / 0.0986 W 802.11ac VHT80: 18.51 dBm / 0.0710 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 : 16.93 MHz
802.11n HT20 : 18.03 MHz
802.11n HT40 : 36.66 MHz
802.11ac VHT80 : 76.96 MHz
<Ant. 2>
802.11a : 16.93 MHz
802.11n HT20 : 18.08 MHz
802.11n HT40 : 36.56 MHz
802.11ac VHT80 : 76.96 MHz
MIMO <Ant. 1>
802.11a : 16.88 MHz
802.11n HT20 : 18.08 MHz
802.11n HT40 : 36.66 MHz
802.11ac VHT80 : 76.84 MHz
MIMO <Ant. 2>
802.11a : 16.83 MHz
802.11n HT20 : 17.98 MHz
802.11n HT40 : 36.66 MHz
802.11ac VHT80 : 76.84 MHz</td></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Modes></td><td>MIMO <Ant. 1>
802.11n VHT20 : 17.68 MHz
802.11n VHT40 : 36.86 MHz
802.11ac VHT80 : 77.32 MHz
MIMO <Ant. 2>
802.11n VHT20 : 19.13 MHz
802.11n VHT40 : 36.66 MHz
802.11ac VHT80 : 76.84 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 1 : Dipole Antenna with gain 4.92 dBi
Ant. 2 : Dipole Antenna with gain 4.45 dBi
<5260 MHz ~ 5320 MHz>
Ant. 1 : Dipole Antenna with gain 4.92 dBi
Ant. 2 : Dipole Antenna with gain 5.05 dBi
<5500 MHz ~ 5720 MHz>
Ant. 1 : Dipole Antenna with gain 5.21 dBi
Ant. 2 : Dipole Antenna with gain 5.23 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK/QPSK/16QAM/64QAM)
802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 1</th><th>Ant. 2</th></tr>
<tr><td>802.11 a/n/ac</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 ac TXBF</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

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

1.3 Modification of EUT

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

1.4 Testing Location

Test Site	SPORTON INTERNATIONAL INC.	
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.**
	03CH15-HY

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

FCC Designation No. TW1190 and TW0007

1.5 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel in "#" were 802.11ac VHT80.

2.2 Test Mode

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

Single Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	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
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + Scanner + USB Cable (Data Link with Notebook) (eMMC to Notebook) + Battery 1 + DC Line Cord + AC Adapter for Sample 3

Remark:

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

<CDD Mode>

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

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n 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	122
H	High	-	-	-
Straddle		-	-	138

<TXBF Mode>

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

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

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

<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 (%)		95.75		93.47	91.89	89.03	86.67	78.82	74.65	72.31
CH 036	5180	17.87	CH 044	17.79	17.77	17.90	17.77	17.54	17.57	17.56
CH 044	5220	17.97								
CH 048	5240	17.95								
CH 052	5260	17.93	CH 064	17.89	17.87	17.96	17.95	17.81	17.82	17.85
CH 060	5300	17.97								
CH 064	5320	17.99								
CH 100	5500	18.11	CH 116	17.84	17.77	18.20	17.82	17.64	17.73	17.75
CH 116	5580	18.24								
CH 140	5700	16.24								
CH 144	5720	16.26								

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

802.11n HT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		95.45		91.00	89.12	84.75	79.31	77.14	75.38	68.25
CH 036	5180	17.65	CH 044	17.56	17.82	17.84	17.67	17.54	17.51	17.81
CH 044	5220	17.85								
CH 048	5240	17.82								
CH 052	5260	17.86	CH 064	17.71	17.93	17.92	17.76	17.63	17.53	17.89
CH 060	5300	17.85								
CH 064	5320	17.94								
CH 100	5500	17.87	CH 116	17.66	17.85	17.82	17.56	17.48	17.48	17.81
CH 116	5580	18.08								
CH 140	5700	16.10								
CH 144	5720	16.13								

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

802.11n HT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		92.04		85.82	78.50	75.58	69.70	64.91	64.15	61.54
CH 038	5190	17.21	CH 046	17.76	17.35	17.32	17.17	17.18	17.03	17.16
CH 046	5230	17.98								
CH 054	5270	17.97	CH 054	17.91	17.95	17.87	17.82	17.78	17.73	17.86
CH 062	5310	15.01								
CH 102	5510	16.32	CH 102	16.11	16.25	16.12	16.07	16.08	16.03	16.06
CH 110	5550	16.05								
CH 134	5670	16.04								
CH 142	5710	16.31								

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

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)		95.48		91.48	88.24	86.30	80.14	75.98	74.92	73.77	68.73
CH 036	5180	17.64	CH 044	17.49	17.79	17.79	17.46	17.54	17.50	17.42	17.58
CH 044	5220	17.82									
CH 048	5240	17.81									
CH 052	5260	17.83	CH 064	17.69	17.89	17.87	17.76	17.84	17.75	17.67	17.83
CH 060	5300	17.80									
CH 064	5320	17.90									
CH 100	5500	17.83	CH 116	17.64	17.79	17.74	17.51	17.54	17.55	17.52	17.58
CH 116	5580	18.06									
CH 140	5700	16.08									
CH 144	5720	16.11									

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 (%)		92.12		85.82	80.77	76.47	69.12	64.91	63.64	63.46	59.18	55.32
CH 038	5190	17.19	CH 046	17.76	17.78	17.77	17.75	17.73	17.71	17.62	17.63	17.87
CH 046	5230	17.95										
CH 054	5270	17.96	CH 054	17.91	17.88	17.92	17.90	17.88	17.91	17.72	17.83	17.95
CH 062	5310	14.94										
CH 102	5510	16.30	CH 102	16.11	16.13	16.12	16.15	16.18	16.11	16.02	16.08	16.27
CH 110	5550	16.04										
CH 134	5670	16.01										
CH 142	5710	16.29										

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

802.11ac VHT80 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		85.71		75.46	68.99	63.96	57.89	52.94	51.76	50.00	48.68	45.45
CH 042	5210	17.10	CH 042	16.71	16.76	16.76	16.72	16.81	16.85	16.81	16.73	16.97
CH 058	5290	13.97	CH 058	13.51	13.44	13.44	13.47	13.52	13.54	13.56	13.53	13.62
CH 106	5530	16.49	CH 106	16.43	16.47	16.44	16.37	16.46	16.46	16.47	16.45	16.47
CH 122	5610	16.35										
CH 138	5690	16.33										

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

<Ant. 2>

802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps) 6M	Channel	Data Rate (bps) 9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		95.31		93.20	91.52	87.82	85.25	80.68	74.29	72.31
CH 036	5180	18.49	CH 036	18.31	18.28	18.42	18.44	18.09	18.24	18.28
CH 044	5220	18.42								
CH 048	5240	18.47								
CH 052	5260	19.56	CH 052	19.46	19.38	19.51	19.54	19.19	19.34	19.31
CH 060	5300	18.07								
CH 064	5320	18.23								
CH 100	5500	18.06	CH 116	19.36	19.33	19.58	19.70	19.47	19.53	19.59
CH 116	5580	19.71								
CH 140	5700	17.23								
CH 144	5720	17.23								

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

802.11n HT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		95.43		91.46	88.63	85.32	82.55	74.16	73.54	71.90
CH 036	5180	18.40	CH 036	18.24	18.27	18.28	17.87	18.15	18.14	18.09
CH 044	5220	18.25								
CH 048	5240	18.33								
CH 052	5260	19.44	CH 052	19.19	19.42	19.43	19.13	19.35	19.28	19.28
CH 060	5300	18.41								
CH 064	5320	18.14								
CH 100	5500	17.81	CH 116	19.19	18.82	18.94	18.48	18.75	18.73	18.73
CH 116	5580	19.62								
CH 140	5700	17.12								
CH 144	5720	17.08								

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

802.11n HT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		91.13		84.62	80.77	76.47	69.70	64.91	61.11	61.54
CH 038	5190	16.23	CH 046	18.38	18.28	18.27	18.22	18.23	18.39	18.26
CH 046	5230	18.49								
CH 054	5270	18.48	CH 054	18.43	18.33	18.32	18.17	18.18	18.39	18.16
CH 062	5310	14.91								
CH 102	5510	17.12	CH 142	17.03	16.98	16.92	16.97	16.93	17.09	16.91
CH 110	5550	17.20								
CH 134	5670	17.18								
CH 142	5710	17.31								

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

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)		95.48		92.11	88.84	84.90	77.78	77.40	74.85	74.01	68.23
CH 036	5180	18.38	CH 036	18.01	18.21	18.36	18.14	17.91	18.01	17.96	18.16
CH 044	5220	18.24									
CH 048	5240	18.32									
CH 052	5260	19.40	CH 052	19.16	19.39	19.39	19.29	19.06	19.16	19.11	19.26
CH 060	5300	18.36									
CH 064	5320	18.10									
CH 100	5500	17.80	CH 116	19.11	18.86	18.96	18.79	18.61	18.61	18.56	18.76
CH 116	5580	19.44									
CH 140	5700	17.09									
CH 144	5720	17.05									

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 (%)		91.22		85.92	79.44	76.47	69.12	65.52	63.64	62.26	59.18	56.52
CH 038	5190	16.20	CH 046	18.31	18.35	18.32	18.35	18.19	18.31	18.21	18.23	18.33
CH 046	5230	18.47										
CH 054	5270	18.44	CH 054	18.41	18.43	18.32	18.25	18.19	18.21	18.16	18.18	18.23
CH 062	5310	14.90										
CH 102	5510	17.10	CH 142	17.01	17.10	16.97	17.05	16.99	17.01	16.96	16.98	17.08
CH 110	5550	17.18										
CH 134	5670	17.13										
CH 142	5710	17.30										

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

802.11ac VHT80 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		85.39		75.93	68.99	63.96	57.59	52.94	51.50	50.62	48.05	46.67
CH 042	5210	16.07	CH 042	15.35	15.41	15.44	15.40	15.41	15.49	15.41	15.54	15.46
CH 058	5290	13.57	CH 058	13.38	13.40	13.45	13.50	13.51	13.48	13.51	13.53	13.56
CH 106	5530	17.47	CH 106	17.40	17.39	17.04	17.00	17.01	17.03	17.06	17.07	17.13
CH 122	5610	17.30										
CH 138	5690	17.44										

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

MIMO <Ant. 1+2>

802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M	
Duty Cycle (%)											
CH 036	5180	19.96	CH 048	19.76	19.80	19.91	19.97	19.57	20.02	19.66	
CH 044	5220	20.05									
CH 048	5240	20.06									
CH 052	5260	20.03	CH 052	19.89	19.93	19.98	20.01	19.71	19.73	19.79	
CH 060	5300	19.99									
CH 064	5320	19.68									
CH 100	5500	19.32	CH 100	18.91	19.00	19.31	19.31	19.18	19.26	19.25	
CH 116	5580	19.21									
CH 140	5700	18.27									
CH 144	5720	18.91									

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	20.26	CH 048	20.06	20.38	20.39	20.15	20.07	20.05	20.00	
CH 044	5220	20.35									
CH 048	5240	20.40									
CH 052	5260	20.44	CH 052	20.11	20.35	20.42	20.26	20.14	20.10	20.26	
CH 060	5300	20.31									
CH 064	5320	20.41									
CH 100	5500	19.60	CH 100	19.18	19.33	19.58	19.31	19.13	19.18	19.07	
CH 116	5580	19.03									
CH 140	5700	19.23									
CH 144	5720	19.36									

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

802.11n HT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)											
CH 038	5190	18.35	CH 046	20.43	20.34	20.34	20.30	20.37	20.41	20.30
CH 046	5230	20.60								
CH 054	5270	20.63	CH 054	20.53	20.42	20.44	20.35	20.44	20.41	20.38
CH 062	5310	14.85								
CH 102	5510	19.42	CH 102	19.32	19.34	19.38	19.41	19.37	19.28	19.28
CH 110	5550	19.30								
CH 134	5670	19.23								
CH 142	5710	19.41								

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	20.25	CH 048	20.08	20.32	19.88	19.96	19.97	19.95	20.07	20.11
CH 044	5220	20.34									
CH 048	5240	20.36									
CH 052	5260	20.43	CH 052	20.03	20.40	20.42	20.09	20.12	20.08	20.09	20.21
CH 060	5300	20.30									
CH 064	5320	20.40									
CH 100	5500	19.53	CH 100	19.11	19.28	19.36	19.13	19.08	19.12	19.11	19.18
CH 116	5580	19.02									
CH 140	5700	19.20									
CH 144	5720	19.32									

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

802.11ac VHT40 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)												
CH 038	5190	18.30	CH 046	20.40	20.35	20.43	20.36	20.34	20.32	20.36	20.35	20.33
CH 046	5230	20.56										
CH 054	5270	20.59	CH 054	20.50	20.45	20.50	20.36	20.44	20.37	20.44	20.42	20.38
CH 062	5310	14.81										
CH 102	5510	19.38	CH 102	19.34	19.34	19.34	19.34	19.35	19.33	19.36	19.25	19.29
CH 110	5550	19.25										
CH 134	5670	19.20										
CH 142	5710	19.37										

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

802.11ac VHT80 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)												
CH 042	5210	17.37	CH 042	17.31	17.31	17.27	17.32	17.34	17.36	17.35	17.35	17.32
CH 058	5290	9.29	CH 058	9.13	9.16	9.17	9.20	9.27	9.27	9.27	9.28	9.25
CH 106	5530	11.32	CH 122	19.13	19.06	19.15	19.15	19.17	19.12	19.17	19.20	19.22
CH 122	5610	19.45										
CH 138	5690	19.44										

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

<TXBF Mode>

MIMO <Ant. 1+2>

802.11ac VHT20 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)												
CH 036	5180	19.12	CH 044	19.27	18.91	18.90	19.14	19.14	19.12	19.27	19.27
CH 044	5220	19.35									
CH 048	5240	19.27									
CH 052	5260	19.37	CH 052	19.27	18.80	18.73	19.02	19.02	18.92	19.17	19.27
CH 060	5300	18.52									
CH 064	5320	18.58									
CH 100	5500	18.77	CH 100	18.62	18.34	18.20	18.49	18.47	18.52	18.59	18.49
CH 116	5580	18.54									
CH 140	5700	18.51									
CH 144	5720	18.40									

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

802.11ac VHT40 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)												
CH 038	5190	20.54	CH 046	20.00	20.45	20.49	20.27	20.27	20.27	20.07	20.00	20.13
CH 046	5230	20.67										
CH 054	5270	20.70	CH 062	20.20	20.52	20.62	20.64	20.47	20.40	20.50	20.54	20.44
CH 062	5310	21.07										
CH 102	5510	19.10	CH 134	19.13	19.52	19.48	19.01	19.17	18.97	19.04	18.97	19.04
CH 110	5550	19.14										
CH 134	5670	19.94										
CH 142	5710	19.72										

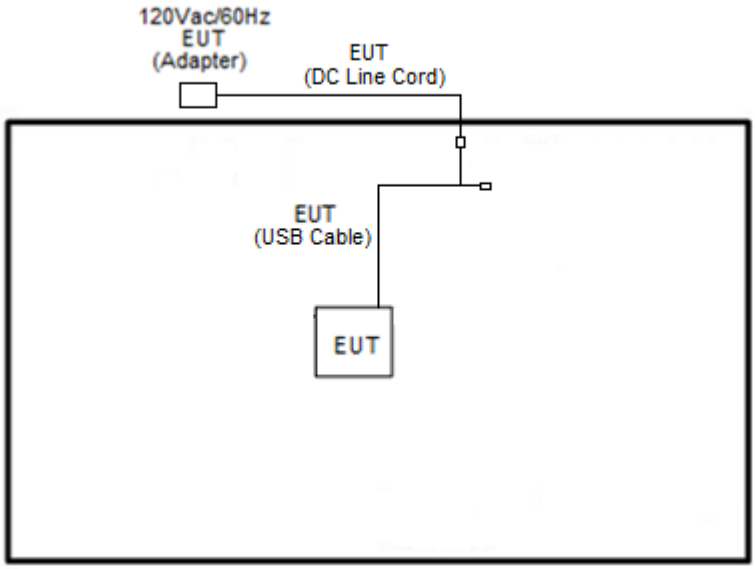
Note: The above Frequency and Channel in "*" were straddle Channel.

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	20.11	CH 042	19.36	19.52	19.67	19.95	19.90	19.74	19.78	19.78	19.64
CH 058	5290	18.11	CH 058	18.06	17.63	17.85	17.85	17.80	17.81	17.91	17.97	18.01
CH 106	5530	18.51	CH 106	17.96	18.11	18.16	18.27	18.27	18.27	18.27	18.32	18.32
CH 122	5610	18.37										
CH 138	5690	18.46										

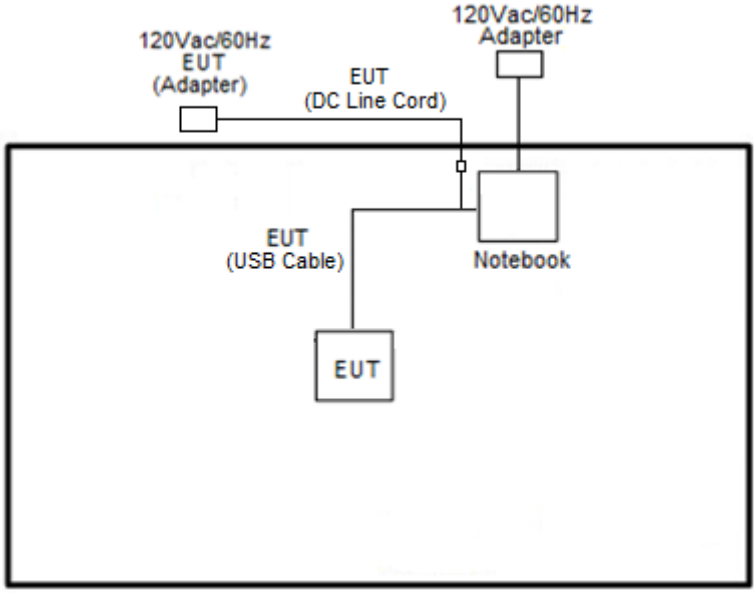
Note: The above Frequency and Channel in "*" were straddle Channel.

2.3 Connection Diagram of Test System

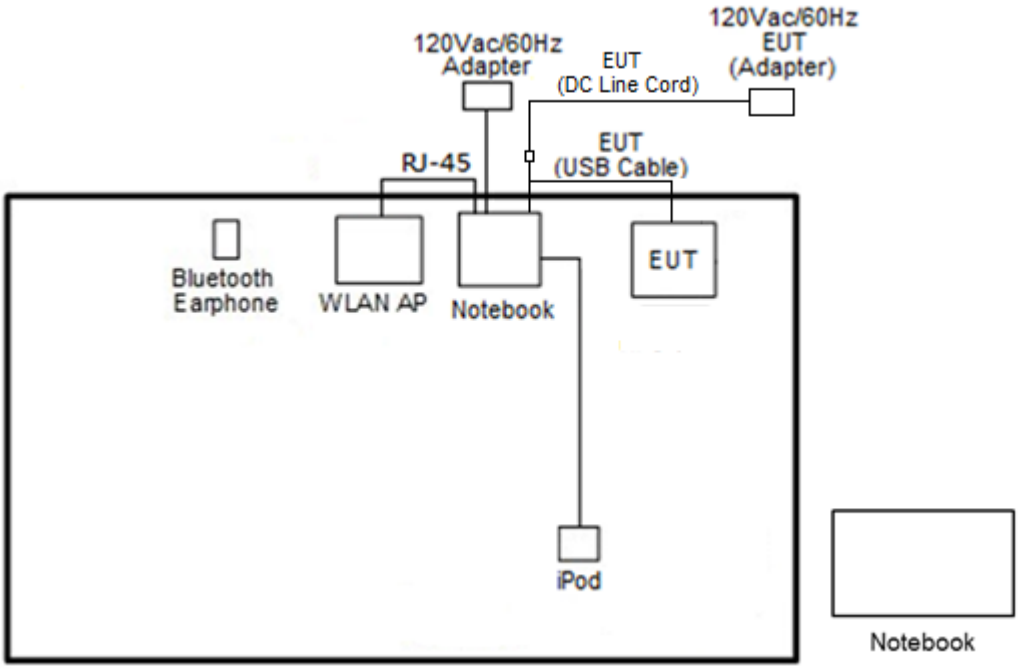
<WLAN Tx Mode>



<WLAN 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.	WLAN AP	ASUS	RT-AC54U	MSQ-RTN54U	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	Lenovo	L570	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Test Engineer :	Derek Hsu	Temperature :	21~25℃
		Relative Humidity :	51~54%

<CDD Mode>

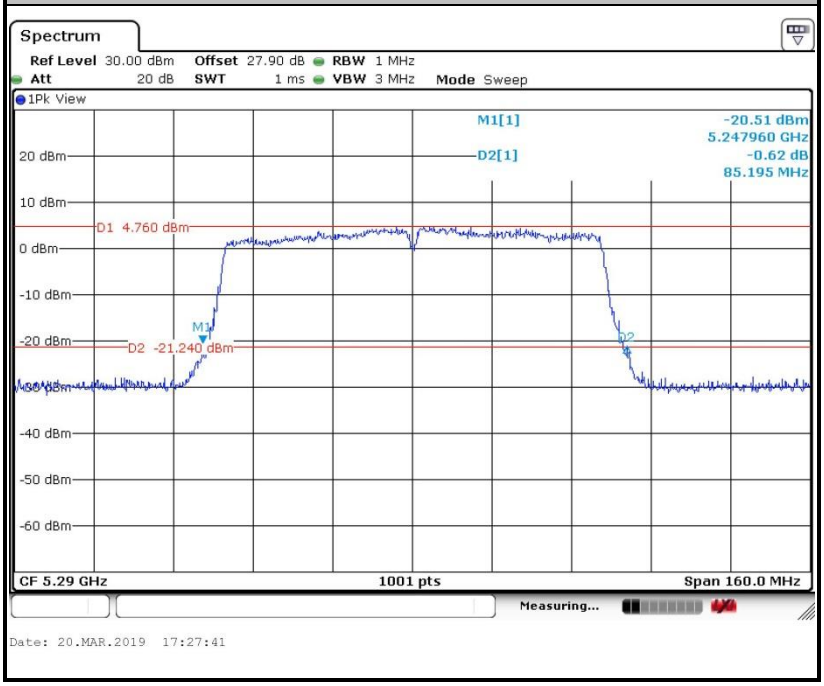
Band I												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	36	5180	16.83	16.83	25.06	25.47	-		22.26	22.26
11a	6Mbps	1	44	5220	16.93	16.93	24.82	25.95	-		22.29	22.29
11a	6Mbps	1	48	5240	16.93	16.93	26.13	25.77	-		22.29	22.29
HT20	MCS0	1	36	5180	18.03	18.03	25.12	26.61	-		22.56	22.56
HT20	MCS0	1	44	5220	17.98	17.98	26.31	26.37	-		22.55	22.55
HT20	MCS0	1	48	5240	18.03	18.03	26.85	26.43	-		22.56	22.56
HT40	MCS0	1	38	5190	36.46	36.56	41.96	42.08	-		23.01	23.01
HT40	MCS0	1	46	5230	36.56	36.46	41.72	41.84	-		23.01	23.01
VHT80	MCS0	1	42	5210	**76.84**	76.72	**84.24**	84.08	-		23.01	23.01
11a	6Mbps	2	36	5180	16.83	16.73	23.80	24.88	-		22.24	
11a	6Mbps	2	44	5220	16.88	16.78	25.30	25.18	-		22.25	
11a	6Mbps	2	48	5240	16.88	16.83	25.83	24.52	-		22.26	
HT20	MCS0	2	36	5180	18.03	17.93	26.73	25.77	-		22.54	
HT20	MCS0	2	44	5220	18.03	17.98	27.42	27.03	-		22.55	
HT20	MCS0	2	48	5240	18.08	17.98	26.85	26.55	-		22.55	
HT40	MCS0	2	38	5190	36.56	36.66	41.72	41.48	-		23.01	
HT40	MCS0	2	46	5230	36.56	36.56	41.48	41.60	-		23.01	
VHT80	MCS0	2	42	5210	76.60	76.72	83.28	83.28	-		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	16.93	16.93	25.00	25.53	23.29	23.29	29.29	29.29	23.98	23.98
11a	6Mbps	1	60	5300	16.83	16.88	24.76	25.36	23.26	23.27	29.26	29.27	23.98	23.98
11a	6Mbps	1	64	5320	16.88	16.88	25.53	25.12	23.27	23.27	29.27	29.27	23.98	23.98
HT20	MCS0	1	52	5260	18.03	18.08	26.13	26.37	23.56	23.57	29.56	29.57	23.98	23.98
HT20	MCS0	1	60	5300	17.98	17.98	26.07	26.73	23.55	23.55	29.55	29.55	23.98	23.98
HT20	MCS0	1	64	5320	17.98	18.03	26.49	27.15	23.55	23.56	29.55	29.56	23.98	23.98
HT40	MCS0	1	54	5270	36.46	36.56	42.08	42.08	23.98	23.98	30.00	30.00	23.98	23.98
HT40	MCS0	1	62	5310	36.56	36.56	41.96	41.96	23.98	23.98	30.00	30.00	23.98	23.98
VHT80	MCS0	1	58	5290	**76.84**	**76.84**	**85.20**	83.60	23.98	23.98	30.00	30.00	23.98	23.98
11a	6Mbps	2	52	5260	16.88	16.83	25.71	24.88	23.26		29.26		23.98	
11a	6Mbps	2	60	5300	16.88	16.73	25.36	24.94	23.24		29.24		23.98	
11a	6Mbps	2	64	5320	16.78	16.73	24.94	24.34	23.24		29.24		23.98	
HT20	MCS0	2	52	5260	18.03	17.98	26.19	26.06	23.55		29.55		23.98	
HT20	MCS0	2	60	5300	18.08	17.98	26.31	27.07	23.55		29.55		23.98	
HT20	MCS0	2	64	5320	18.08	17.98	27.09	25.83	23.55		29.55		23.98	
HT40	MCS0	2	54	5270	36.46	36.56	42.08	42.32	23.98		30.00		23.98	
HT40	MCS0	2	62	5310	36.56	36.56	42.44	42.08	23.98		30.00		23.98	
VHT80	MCS0	2	58	5290	76.84	**76.84**	83.12	82.64	23.98		30.00		23.98	

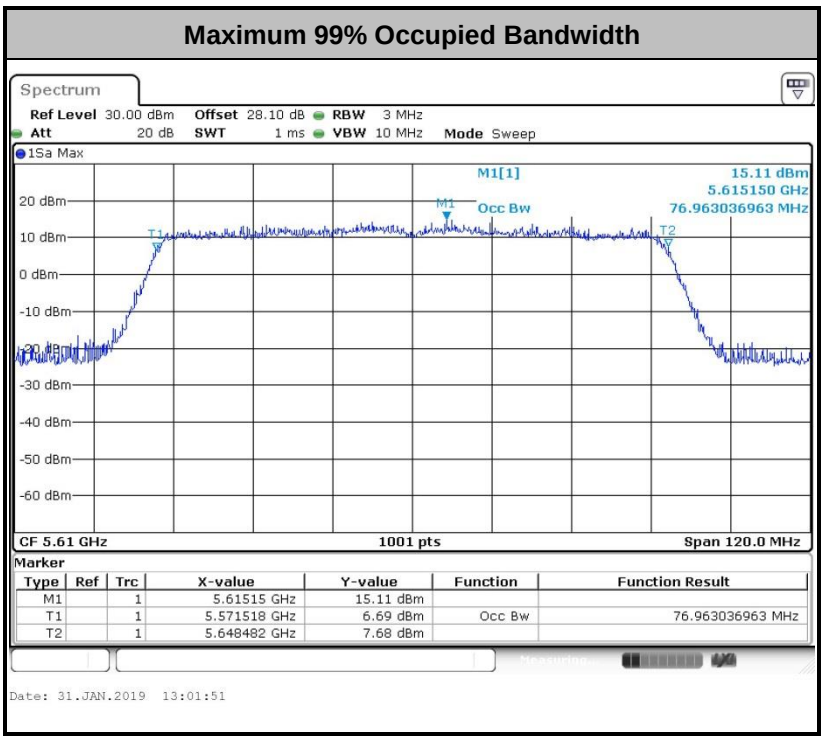
Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.88	16.88	25.83	25.89	23.27	23.27	29.27	29.27	23.98	23.98	----	----
11a	6Mbps	1	116	5580	16.83	16.88	25.42	25.18	23.26	23.27	29.26	29.27	23.98	23.98	----	----
11a	6Mbps	1	140	5700	16.83	16.83	24.64	24.94	23.26	23.26	29.26	29.26	23.98	23.98	----	----
11a	6Mbps	1	144	5720	13.44	13.44	17.05	16.93	22.28	22.28	28.28	28.28	23.32	23.29	2.893	2.742
HT20	MCS0	1	100	5500	17.98	17.98	27.09	25.83	23.55	23.55	29.55	29.55	23.98	23.98	----	----
HT20	MCS0	1	116	5580	17.98	17.93	25.71	25.83	23.55	23.54	29.55	29.54	23.98	23.98	----	----
HT20	MCS0	1	140	5700	17.93	17.93	25.65	26.01	23.54	23.54	29.54	29.54	23.98	23.98	----	----
HT20	MCS0	1	144	5720	13.99	13.99	17.77	17.41	22.46	22.46	28.46	28.46	23.50	23.41	3.092	2.543
HT40	MCS0	1	102	5510	36.66	36.56	41.96	41.96	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	110	5550	36.56	36.56	42.08	41.96	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	134	5670	36.66	36.56	41.84	42.20	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	142	5710	33.38	33.28	36.10	35.98	23.98	23.98	30.00	30.00	23.98	23.98	2.802	2.893
VHT80	MCS0	1	106	5530	76.72	76.72	83.60	84.40	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	122	5610	**76.96**	**76.96**	**84.56**	83.92	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	138	5690	73.36	73.36	77.04	76.72	23.98	23.98	30.00	30.00	23.98	23.98	2.525	2.525

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	16.78	16.78	25.12	24.34	23.25		29.25		23.98		----	----
11a	6Mbps	2	116	5580	16.83	16.73	24.52	23.50	23.24		29.24		23.98		----	----
11a	6Mbps	2	140	5700	16.88	16.73	25.06	24.94	23.24		29.24		23.98		----	----
11a	6Mbps	2	144	5720	13.44	13.39	16.93	17.11	22.27		28.27		23.29		3.092	3.142
HT20	MCS0	2	100	5500	17.98	17.98	25.65	26.43	23.55		29.55		23.98		----	----
HT20	MCS0	2	116	5580	17.93	17.93	26.01	26.31	23.54		29.54		23.98		----	----
HT20	MCS0	2	140	5700	17.93	17.93	25.75	25.53	23.54		29.54		23.98		----	----
HT20	MCS0	2	144	5720	13.99	13.94	17.41	18.43	22.44		28.44		23.41		3.391	2.743
HT40	MCS0	2	102	5510	36.66	36.66	41.96	42.44	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.56	36.66	41.72	42.08	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.56	36.56	41.72	41.60	23.98		30.00		23.98		----	----
HT40	MCS0	2	142	5710	33.38	33.28	36.10	35.98	23.98		30.00		23.98		2.802	3.084
VHT80	MCS0	2	106	5530	76.84	76.84	83.44	83.60	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.72	76.72	83.60	83.12	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	73.36	73.48	76.72	77.04	23.98		30.00		23.98		2.525	2.525

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

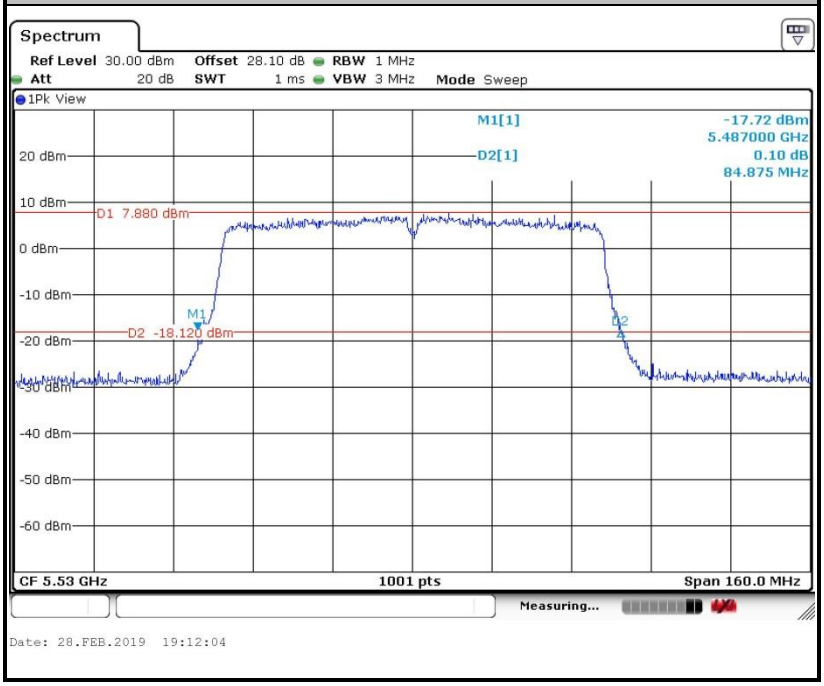
<TXBF Mode>

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	17.68	18.88	23.38	26.25	-		22.48	
VHT20	MCS0	2	44	5220	17.68	19.08	23.44	27.21	-		22.48	
VHT20	MCS0	2	48	5240	17.68	19.03	23.50	27.21	-		22.48	
VHT40	MCS0	2	38	5190	36.86	36.56	39.92	42.20	-		23.01	
VHT40	MCS0	2	46	5230	36.56	36.66	41.36	42.56	-		23.01	
VHT80	MCS0	2	42	5210	76.60	**76.72**	82.48	**84.24**	-		23.01	

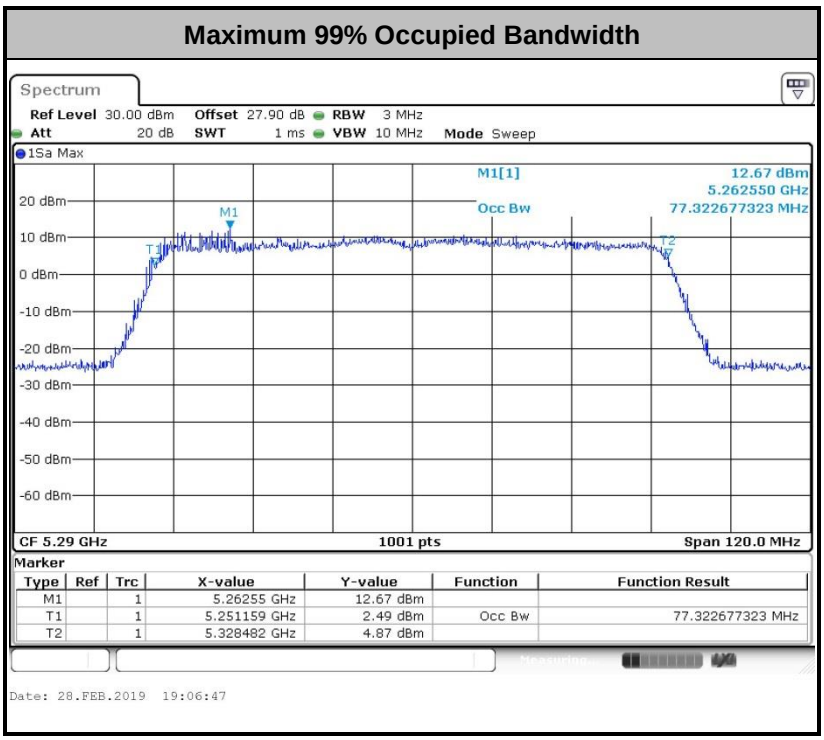
Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
VHT20	MCS0	2	52	5260	17.63	18.98	22.60	28.95	23.46		29.46		23.98	
VHT20	MCS0	2	60	5300	17.68	19.13	22.90	27.87	23.48		29.48		23.98	
VHT20	MCS0	2	64	5320	17.68	19.13	23.80	27.87	23.48		29.48		23.98	
VHT40	MCS0	2	54	5270	36.66	36.66	41.36	41.72	23.98		30.00		23.98	
VHT40	MCS0	2	62	5310	36.66	36.56	41.48	42.44	23.98		30.00		23.98	
VHT80	MCS0	2	58	5290	**77.32**	76.72	82.16	**83.60**	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	17.63	19.03	23.62	27.63	23.46		29.46		23.98		----	----
VHT20	MCS0	2	116	5580	17.68	18.98	23.56	27.93	23.48		29.48		23.98		----	----
VHT20	MCS0	2	140	5700	17.68	18.93	23.20	28.11	23.48		29.48		23.98		----	----
VHT20	MCS0	2	144	5720	13.84	14.49	16.75	19.03	22.41		28.41		23.24		2.542	3.791
VHT40	MCS0	2	102	5510	36.66	36.66	42.68	42.56	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.86	36.56	41.24	42.68	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.56	36.56	41.12	42.20	23.98		30.00		23.98		----	----
VHT40	MCS0	2	142	5710	33.38	33.28	35.62	36.34	23.98		30.00		23.98		2.58	3.18
VHT80	MCS0	2	106	5530	76.84	76.72	82.80	**84.88**	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	**77.08**	76.84	82.64	84.72	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	73.96	73.48	76.56	77.04	23.98		30.00		23.98		2.565	2.565

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

<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>

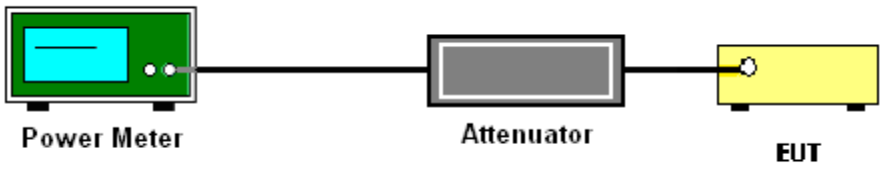
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

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	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	0.19	0.21	17.87	18.49		24.00	24.00	4.92	4.45	Pass
11a	6Mbps	1	44	5220	0.19	0.21	17.97	18.42		24.00	24.00	4.92	4.45	Pass
11a	6Mbps	1	48	5240	0.19	0.21	17.95	18.47		24.00	24.00	4.92	4.45	Pass
HT20	MCS0	1	36	5180	0.20	0.20	17.65	18.40		24.00	24.00	4.92	4.45	Pass
HT20	MCS0	1	44	5220	0.20	0.20	17.85	18.25		24.00	24.00	4.92	4.45	Pass
HT20	MCS0	1	48	5240	0.20	0.20	17.82	18.33		24.00	24.00	4.92	4.45	Pass
HT40	MCS0	1	38	5190	0.36	0.40	17.21	16.23		24.00	24.00	4.92	4.45	Pass
HT40	MCS0	1	46	5230	0.36	0.40	17.98	18.49		24.00	24.00	4.92	4.45	Pass
VHT20	MCS0	1	36	5180	0.20	0.20	17.64	18.38		24.00	24.00	4.92	4.45	Pass
VHT20	MCS0	1	44	5220	0.20	0.20	17.82	18.24		24.00	24.00	4.92	4.45	Pass
VHT20	MCS0	1	48	5240	0.20	0.20	17.81	18.32		24.00	24.00	4.92	4.45	Pass
VHT40	MCS0	1	38	5190	0.36	0.40	17.19	16.20		24.00	24.00	4.92	4.45	Pass
VHT40	MCS0	1	46	5230	0.36	0.40	17.95	18.47		24.00	24.00	4.92	4.45	Pass
VHT80	MCS0	1	42	5210	0.67	0.69	17.10	16.07		24.00	24.00	4.92	4.45	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	0.19	0.21	16.91	16.99	19.96	24.00		4.92		Pass
11a	6Mbps	2	44	5220	0.19	0.21	17.05	17.03	20.05	24.00		4.92		Pass
11a	6Mbps	2	48	5240	0.19	0.21	17.06	17.04	20.06	24.00		4.92		Pass
HT20	MCS0	2	36	5180	0.22	0.19	17.22	17.27	20.26	24.00		4.92		Pass
HT20	MCS0	2	44	5220	0.22	0.19	17.38	17.29	20.35	24.00		4.92		Pass
HT20	MCS0	2	48	5240	0.22	0.19	17.48	17.30	20.40	24.00		4.92		Pass
HT40	MCS0	2	38	5190	0.38	0.42	15.54	15.12	18.35	24.00		4.92		Pass
HT40	MCS0	2	46	5230	0.38	0.42	17.56	17.61	**20.60**	24.00		4.92		Pass
VHT20	MCS0	2	36	5180	0.23	0.20	17.23	17.25	20.25	24.00		4.92		Pass
VHT20	MCS0	2	44	5220	0.23	0.20	17.37	17.28	20.34	24.00		4.92		Pass
VHT20	MCS0	2	48	5240	0.23	0.20	17.43	17.27	20.36	24.00		4.92		Pass
VHT40	MCS0	2	38	5190	0.42	0.37	15.51	15.06	18.30	24.00		4.92		Pass
VHT40	MCS0	2	46	5230	0.42	0.37	17.59	17.51	20.56	24.00		4.92		Pass
VHT80	MCS0	2	42	5210	0.70	0.67	14.45	14.27	17.37	24.00		4.92		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	0.19	0.21	17.93	19.56		23.98	23.98	4.92	5.05	30	Pass
11a	6Mbps	1	60	5300	0.19	0.21	17.97	18.07		23.98	23.98	4.92	5.05	30	Pass
11a	6Mbps	1	64	5320	0.19	0.21	17.99	18.23		23.98	23.98	4.92	5.05	30	Pass
HT20	MCS0	1	52	5260	0.20	0.20	17.86	19.44		23.98	23.98	4.92	5.05	30	Pass
HT20	MCS0	1	60	5300	0.20	0.20	17.85	18.41		23.98	23.98	4.92	5.05	30	Pass
HT20	MCS0	1	64	5320	0.20	0.20	17.94	18.14		23.98	23.98	4.92	5.05	30	Pass
HT40	MCS0	1	54	5270	0.36	0.40	17.97	18.48		23.98	23.98	4.92	5.05	30	Pass
HT40	MCS0	1	62	5310	0.36	0.40	15.01	14.91		23.98	23.98	4.92	5.05	30	Pass
VHT20	MCS0	1	52	5260	0.20	0.20	17.83	19.40		23.98	23.98	4.92	5.05	30	Pass
VHT20	MCS0	1	60	5300	0.20	0.20	17.80	18.36		23.98	23.98	4.92	5.05	30	Pass
VHT20	MCS0	1	64	5320	0.20	0.20	17.90	18.10		23.98	23.98	4.92	5.05	30	Pass
VHT40	MCS0	1	54	5270	0.36	0.40	17.96	18.44		23.98	23.98	4.92	5.05	30	Pass
VHT40	MCS0	1	62	5310	0.36	0.40	14.94	14.90		23.98	23.98	4.92	5.05	30	Pass
VHT80	MCS0	1	58	5290	0.67	0.69	13.97	13.57		23.98	23.98	4.92	5.05	30	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	2	52	5260	0.19	0.21	17.09	16.95	20.03	23.98		5.05		30	Pass
11a	6Mbps	2	60	5300	0.19	0.21	17.04	16.92	19.99	23.98		5.05		30	Pass
11a	6Mbps	2	64	5320	0.19	0.21	16.69	16.65	19.68	23.98		5.05		30	Pass
HT20	MCS0	2	52	5260	0.22	0.19	17.58	17.27	20.44	23.98		5.05		30	Pass
HT20	MCS0	2	60	5300	0.22	0.19	17.32	17.27	20.31	23.98		5.05		30	Pass
HT20	MCS0	2	64	5320	0.22	0.19	17.49	17.31	20.41	23.98		5.05		30	Pass
HT40	MCS0	2	54	5270	0.38	0.42	17.62	17.61	**20.63**	23.98		5.05		30	Pass
HT40	MCS0	2	62	5310	0.38	0.42	11.88	11.80	14.85	23.98		5.05		30	Pass
VHT20	MCS0	2	52	5260	0.23	0.20	17.56	17.27	20.43	23.98		5.05		30	Pass
VHT20	MCS0	2	60	5300	0.23	0.20	17.31	17.26	20.30	23.98		5.05		30	Pass
VHT20	MCS0	2	64	5320	0.23	0.20	17.47	17.30	20.40	23.98		5.05		30	Pass
VHT40	MCS0	2	54	5270	0.42	0.37	17.61	17.55	20.59	23.98		5.05		30	Pass
VHT40	MCS0	2	62	5310	0.42	0.37	11.80	11.79	14.81	23.98		5.05		30	Pass
VHT80	MCS0	2	58	5290	0.70	0.67	6.28	6.28	9.29	23.98		5.05		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	0.19	0.21	18.11	18.06		23.98	23.98	5.21	5.23	30	Pass
11a	6Mbps	1	116	5580	0.19	0.21	18.24	**19.71**		23.98	23.98	5.21	5.23	30	Pass
11a	6Mbps	1	140	5700	0.19	0.21	16.24	17.23		23.98	23.98	5.21	5.23	30	Pass
11a	6Mbps	1	144	5720	0.19	0.21	16.26	17.23		23.32	23.29	5.21	5.23	30	Pass
HT20	MCS0	1	100	5500	0.20	0.20	17.87	17.81		23.98	23.98	5.21	5.23	30	Pass
HT20	MCS0	1	116	5580	0.20	0.20	18.08	19.62		23.98	23.98	5.21	5.23	30	Pass
HT20	MCS0	1	140	5700	0.20	0.20	16.10	17.12		23.98	23.98	5.21	5.23	30	Pass
HT20	MCS0	1	144	5720	0.20	0.20	16.13	17.08		23.50	23.41	5.21	5.23	30	Pass
HT40	MCS0	1	102	5510	0.36	0.40	16.32	17.12		23.98	23.98	5.21	5.23	30	Pass
HT40	MCS0	1	110	5550	0.36	0.40	16.05	17.20		23.98	23.98	5.21	5.23	30	Pass
HT40	MCS0	1	134	5670	0.36	0.40	16.04	17.18		23.98	23.98	5.21	5.23	30	Pass
HT40	MCS0	1	142	5710	0.36	0.40	16.32	17.31		23.98	23.98	5.21	5.23	30	Pass
VHT20	MCS0	1	100	5500	0.20	0.20	17.83	17.80		23.98	23.98	5.21	5.23	30	Pass
VHT20	MCS0	1	116	5580	0.20	0.20	18.06	19.44		23.98	23.98	5.21	5.23	30	Pass
VHT20	MCS0	1	140	5700	0.20	0.20	16.08	17.09		23.98	23.98	5.21	5.23	30	Pass
VHT20	MCS0	1	144	5720	0.20	0.20	16.11	17.05		23.50	23.41	5.21	5.23	30	Pass
VHT40	MCS0	1	102	5510	0.36	0.40	16.30	17.10		23.98	23.98	5.21	5.23	30	Pass
VHT40	MCS0	1	110	5550	0.36	0.40	16.04	17.18		23.98	23.98	5.21	5.23	30	Pass
VHT40	MCS0	1	134	5670	0.36	0.40	16.01	17.13		23.98	23.98	5.21	5.23	30	Pass
VHT40	MCS0	1	142	5710	0.36	0.40	16.30	17.30		23.98	23.98	5.21	5.23	30	Pass
VHT80	MCS0	1	106	5530	0.67	0.69	16.49	17.47		23.98	23.98	5.21	5.23	30	Pass
VHT80	MCS0	1	122	5610	0.67	0.69	16.35	17.30		23.98	23.98	5.21	5.23	30	Pass
VHT80	MCS0	1	138	5690	0.67	0.69	16.33	17.44		23.98	23.98	5.21	5.23	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	0.19	0.21	16.48	16.14	19.32	23.98		5.23		30	Pass
11a	6Mbps	2	116	5580	0.19	0.21	16.29	16.11	19.21	23.98		5.23		30	Pass
11a	6Mbps	2	140	5700	0.19	0.21	15.40	15.11	18.27	23.98		5.23		30	Pass
11a	6Mbps	2	144	5720	0.19	0.21	16.03	15.76	18.91	23.29		5.23		30	Pass
HT20	MCS0	2	100	5500	0.22	0.19	16.72	16.44	19.60	23.98		5.23		30	Pass
HT20	MCS0	2	116	5580	0.22	0.19	16.14	15.89	19.03	23.98		5.23		30	Pass
HT20	MCS0	2	140	5700	0.22	0.19	16.37	16.05	19.23	23.98		5.23		30	Pass
HT20	MCS0	2	144	5720	0.22	0.19	16.46	16.23	19.36	23.41		5.23		30	Pass
HT40	MCS0	2	102	5510	0.38	0.42	16.44	16.38	19.42	23.98		5.23		30	Pass
HT40	MCS0	2	110	5550	0.38	0.42	16.22	16.36	19.30	23.98		5.23		30	Pass
HT40	MCS0	2	134	5670	0.38	0.42	16.16	16.27	19.23	23.98		5.23		30	Pass
HT40	MCS0	2	142	5710	0.38	0.42	16.40	16.39	19.41	23.98		5.23		30	Pass
VHT20	MCS0	2	100	5500	0.23	0.20	16.53	16.50	19.53	23.98		5.23		30	Pass
VHT20	MCS0	2	116	5580	0.23	0.20	16.07	15.94	19.02	23.98		5.23		30	Pass
VHT20	MCS0	2	140	5700	0.23	0.20	16.33	16.05	19.20	23.98		5.23		30	Pass
VHT20	MCS0	2	144	5720	0.23	0.20	16.44	16.18	19.32	23.41		5.23		30	Pass
VHT40	MCS0	2	102	5510	0.42	0.37	16.47	16.27	19.38	23.98		5.23		30	Pass
VHT40	MCS0	2	110	5550	0.42	0.37	16.22	16.26	19.25	23.98		5.23		30	Pass
VHT40	MCS0	2	134	5670	0.42	0.37	16.19	16.19	19.20	23.98		5.23		30	Pass
VHT40	MCS0	2	142	5710	0.42	0.37	16.43	16.31	19.38	23.98		5.23		30	Pass
VHT80	MCS0	2	106	5530	0.70	0.67	8.25	8.37	11.32	23.98		5.23		30	Pass
VHT80	MCS0	2	122	5610	0.70	0.67	16.41	16.47	19.45	23.98		5.23		30	Pass
VHT80	MCS0	2	138	5690	0.70	0.67	16.46	16.39	19.44	23.98		5.23		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	15.30	16.80	19.12	22.30		7.70		Pass
VHT20	MCS0	2	44	5220	0.00	0.00	15.70	16.90	19.35	22.30		7.70		Pass
VHT20	MCS0	2	48	5240	0.00	0.00	15.50	16.90	19.27	22.30		7.70		Pass
VHT40	MCS0	2	38	5190	0.00	0.00	17.00	18.00	20.54	22.30		7.70		Pass
VHT40	MCS0	2	46	5230	0.00	0.00	16.90	18.30	**20.67**	22.30		7.70		Pass
VHT80	MCS0	2	42	5210	0.00	0.00	17.00	17.20	20.11	22.30		7.70		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	15.60	17.00	19.37	21.98		8.00		30	Pass
VHT20	MCS0	2	60	5300	0.00	0.00	14.70	16.20	18.52	21.98		8.00		30	Pass
VHT20	MCS0	2	64	5320	0.00	0.00	14.70	16.30	18.58	21.98		8.00		30	Pass
VHT40	MCS0	2	54	5270	0.00	0.00	17.10	18.20	20.70	21.98		8.00		30	Pass
VHT40	MCS0	2	62	5310	0.00	0.00	17.70	18.40	**21.07**	21.98		8.00		30	Pass
VHT80	MCS0	2	58	5290	0.00	0.00	15.10	15.10	18.11	21.98		8.00		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	15.00	16.40	18.77	21.75		8.23		30	Pass
VHT20	MCS0	2	116	5580	0.00	0.00	15.00	16.00	18.54	21.75		8.23		30	Pass
VHT20	MCS0	2	140	5700	0.00	0.00	14.80	16.10	18.51	21.75		8.23		30	Pass
VHT20	MCS0	2	144	5720	0.00	0.00	14.80	15.90	18.40	21.01		8.23		30	Pass
VHT40	MCS0	2	102	5510	0.00	0.00	15.50	16.60	19.10	21.75		8.23		30	Pass
VHT40	MCS0	2	110	5550	0.00	0.00	15.60	16.60	19.14	21.75		8.23		30	Pass
VHT40	MCS0	2	134	5670	0.00	0.00	16.40	17.40	**19.94**	21.75		8.23		30	Pass
VHT40	MCS0	2	142	5710	0.00	0.00	16.40	17.00	19.72	21.75		8.23		30	Pass
VHT80	MCS0	2	106	5530	0.00	0.00	15.70	15.30	18.51	21.75		8.23		30	Pass
VHT80	MCS0	2	122	5610	0.00	0.00	15.60	15.10	18.37	21.75		8.23		30	Pass
VHT80	MCS0	2	138	5690	0.00	0.00	15.60	15.40	18.51	21.75		8.23		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):

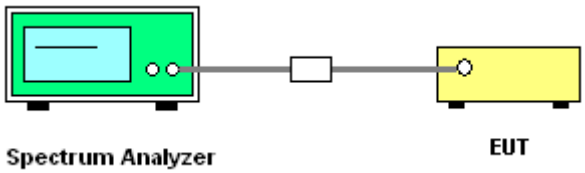
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the 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	Temperature :	21~25℃
		Relative Humidity :	51~54%

<CDD Mode>

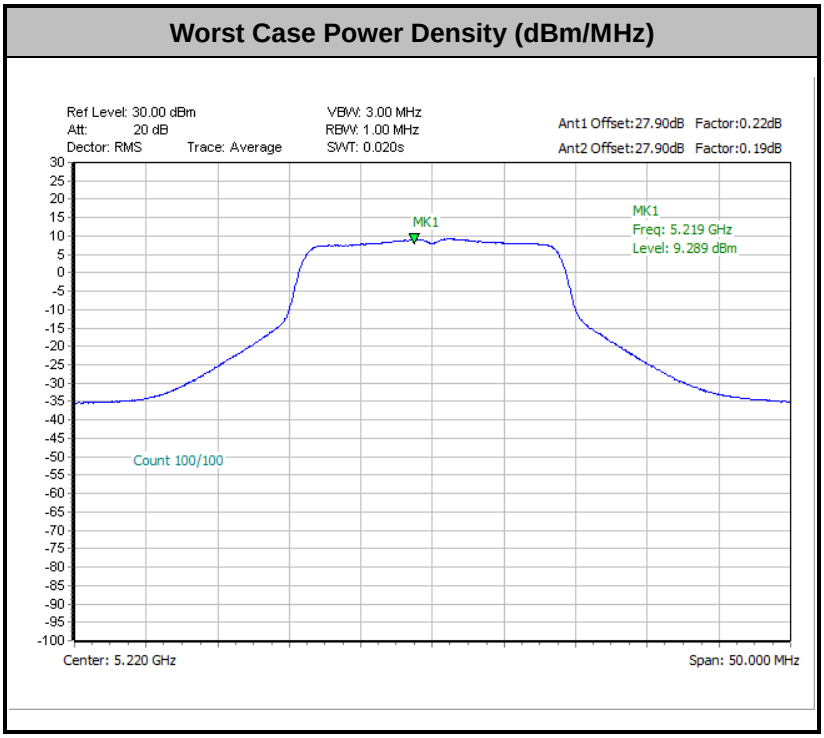
FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.19	0.21	7.26	7.10		11.00	11.00	4.92	4.45	Pass
11a	6Mbps	1	44	5220	0.19	0.21	7.26	7.03		11.00	11.00	4.92	4.45	Pass
11a	6Mbps	1	48	5240	0.19	0.21	7.17	6.94		11.00	11.00	4.92	4.45	Pass
HT20	MCS0	1	36	5180	0.20	0.20	6.68	6.82		11.00	11.00	4.92	4.45	Pass
HT20	MCS0	1	44	5220	0.20	0.20	6.74	6.56		11.00	11.00	4.92	4.45	Pass
HT20	MCS0	1	48	5240	0.20	0.20	6.71	6.65		11.00	11.00	4.92	4.45	Pass
HT40	MCS0	1	38	5190	0.36	0.40	3.40	2.31		11.00	11.00	4.92	4.45	Pass
HT40	MCS0	1	46	5230	0.36	0.40	3.76	3.78		11.00	11.00	4.92	4.45	Pass
VHT80	MCS0	1	42	5210	0.67	0.69	-0.54	-1.34		11.00	11.00	4.92	4.45	Pass
11a	6Mbps	2	36	5180	0.19	0.21			9.23	9.30		7.70		Pass
11a	6Mbps	2	44	5220	0.19	0.21			9.16	9.30		7.70		Pass
11a	6Mbps	2	48	5240	0.19	0.21			9.22	9.30		7.70		Pass
HT20	MCS0	2	36	5180	0.22	0.19			9.26	9.30		7.70		Pass
HT20	MCS0	2	44	5220	0.22	0.19			**9.29**	9.30		7.70		Pass
HT20	MCS0	2	48	5240	0.22	0.19			9.24	9.30		7.70		Pass
HT40	MCS0	2	38	5190	0.38	0.42			4.48	9.30		7.70		Pass
HT40	MCS0	2	46	5230	0.38	0.42			6.39	9.30		7.70		Pass
VHT80	MCS0	2	42	5210	0.70	0.67			-0.40	9.30		7.70		Pass

Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	0.19	0.21	7.40	8.64		11.00	11.00	4.92	5.05	Pass
11a	6Mbps	1	60	5300	0.19	0.21	7.38	7.25		11.00	11.00	4.92	5.05	Pass
11a	6Mbps	1	64	5320	0.19	0.21	7.46	7.38		11.00	11.00	4.92	5.05	Pass
HT20	MCS0	1	52	5260	0.20	0.20	6.93	8.30		11.00	11.00	4.92	5.05	Pass
HT20	MCS0	1	60	5300	0.20	0.20	6.89	6.82		11.00	11.00	4.92	5.05	Pass
HT20	MCS0	1	64	5320	0.20	0.20	7.13	7.06		11.00	11.00	4.92	5.05	Pass
HT40	MCS0	1	54	5270	0.36	0.40	4.22	4.01		11.00	11.00	4.92	5.05	Pass
HT40	MCS0	1	62	5310	0.36	0.40	0.97	1.30		11.00	11.00	4.92	5.05	Pass
VHT80	MCS0	1	58	5290	0.67	0.69	-3.93	-3.74		11.00	11.00	4.92	5.05	Pass
11a	6Mbps	2	52	5260	0.19	0.21			8.56	9.00		8.00		Pass
11a	6Mbps	2	60	5300	0.19	0.21			8.54	9.00		8.00		Pass
11a	6Mbps	2	64	5320	0.19	0.21			8.58	9.00		8.00		Pass
HT20	MCS0	2	52	5260	0.22	0.19			8.70	9.00		8.00		Pass
HT20	MCS0	2	60	5300	0.22	0.19			**8.97**	9.00		8.00		Pass
HT20	MCS0	2	64	5320	0.22	0.19			8.70	9.00		8.00		Pass
HT40	MCS0	2	54	5270	0.38	0.42			6.52	9.00		8.00		Pass
HT40	MCS0	2	62	5310	0.38	0.42			0.88	9.00		8.00		Pass
VHT80	MCS0	2	58	5290	0.70	0.67			-7.67	9.00		8.00		Pass

Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	0.19	0.21	7.19	7.36		11.00	11.00	5.21	5.23	Pass
11a	6Mbps	1	116	5580	0.19	0.21	7.26	8.57		11.00	11.00	5.21	5.23	Pass
11a	6Mbps	1	140	5700	0.19	0.21	5.10	5.82		11.00	11.00	5.21	5.23	Pass
11a	6Mbps	1	144	5720	0.19	0.21	5.14	5.93		11.00	11.00	5.21	5.23	Pass
HT20	MCS0	1	100	5500	0.20	0.20	6.88	6.83		11.00	11.00	5.21	5.23	Pass
HT20	MCS0	1	116	5580	0.20	0.20	6.84	8.35		11.00	11.00	5.21	5.23	Pass
HT20	MCS0	1	140	5700	0.20	0.20	4.81	5.45		11.00	11.00	5.21	5.23	Pass
HT20	MCS0	1	144	5720	0.20	0.20	4.74	5.53		11.00	11.00	5.21	5.23	Pass
HT40	MCS0	1	102	5510	0.36	0.40	1.94	2.38		11.00	11.00	5.21	5.23	Pass
HT40	MCS0	1	110	5550	0.36	0.40	1.51	2.53		11.00	11.00	5.21	5.23	Pass
HT40	MCS0	1	134	5670	0.36	0.40	1.44	2.28		11.00	11.00	5.21	5.23	Pass
HT40	MCS0	1	142	5710	0.36	0.40	1.94	2.56		11.00	11.00	5.21	5.23	Pass
VHT80	MCS0	1	106	5530	0.67	0.69	-0.46	0.48		11.00	11.00	5.21	5.23	Pass
VHT80	MCS0	1	122	5610	0.67	0.69	-0.72	0.29		11.00	11.00	5.21	5.23	Pass
VHT80	MCS0	1	138	5690	0.67	0.69	-0.51	0.34		11.00	11.00	5.21	5.23	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	0.19	0.21			8.30	8.77		8.23		Pass
11a	6Mbps	2	116	5580	0.19	0.21			7.88	8.77		8.23		Pass
11a	6Mbps	2	140	5700	0.19	0.21			7.65	8.77		8.23		Pass
11a	6Mbps	2	144	5720	0.19	0.21			7.82	8.77		8.23		Pass
HT20	MCS0	2	100	5500	0.22	0.19			**8.68**	8.77		8.23		Pass
HT20	MCS0	2	116	5580	0.22	0.19			7.34	8.77		8.23		Pass
HT20	MCS0	2	140	5700	0.22	0.19			8.22	8.77		8.23		Pass
HT20	MCS0	2	144	5720	0.22	0.19			7.72	8.77		8.23		Pass
HT40	MCS0	2	102	5510	0.38	0.42			4.90	8.77		8.23		Pass
HT40	MCS0	2	110	5550	0.38	0.42			4.60	8.77		8.23		Pass
HT40	MCS0	2	134	5670	0.38	0.42			4.55	8.77		8.23		Pass
HT40	MCS0	2	142	5710	0.38	0.42			4.94	8.77		8.23		Pass
VHT80	MCS0	2	106	5530	0.70	0.67			-5.78	8.77		8.23		Pass
VHT80	MCS0	2	122	5610	0.70	0.67			2.38	8.77		8.23		Pass
VHT80	MCS0	2	138	5690	0.70	0.67			2.54	8.77		8.23		Pass

Worst Case Power Density (dBm/MHz)



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

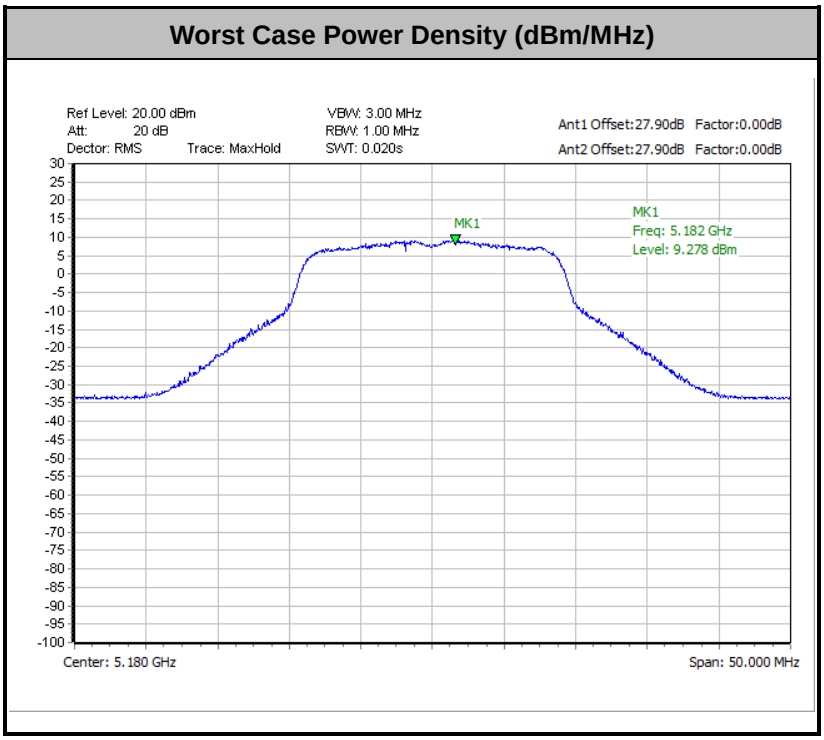
<TXBF Mode>

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			**9.28**	9.30		7.70		Pass
VHT20	MCS0	2	44	5220	0.00	0.00			9.23	9.30		7.70		Pass
VHT20	MCS0	2	48	5240	0.00	0.00			9.11	9.30		7.70		Pass
VHT40	MCS0	2	38	5190	0.00	0.00			9.10	9.30		7.70		Pass
VHT40	MCS0	2	46	5230	0.00	0.00			8.72	9.30		7.70		Pass
VHT80	MCS0	2	42	5210	0.00	0.00			8.03	9.30		7.70		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			**8.95**	9.00		8.00		Pass
VHT20	MCS0	2	60	5300	0.00	0.00			8.90	9.00		8.00		Pass
VHT20	MCS0	2	64	5320	0.00	0.00			8.60	9.00		8.00		Pass
VHT40	MCS0	2	54	5270	0.00	0.00			8.48	9.00		8.00		Pass
VHT40	MCS0	2	62	5310	0.00	0.00			8.90	9.00		8.00		Pass
VHT80	MCS0	2	58	5290	0.00	0.00			8.63	9.00		8.00		Pass

Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	100	5500	0.00	0.00			**8.73**	8.77		8.23		Pass
VHT20	MCS0	2	116	5580	0.00	0.00			8.56	8.77		8.23		Pass
VHT20	MCS0	2	140	5700	0.00	0.00			8.58	8.77		8.23		Pass
VHT20	MCS0	2	144	5720	0.00	0.00			8.52	8.77		8.23		Pass
VHT40	MCS0	2	102	5510	0.00	0.00			8.66	8.77		8.23		Pass
VHT40	MCS0	2	110	5550	0.00	0.00			8.59	8.77		8.23		Pass
VHT40	MCS0	2	134	5670	0.00	0.00			8.65	8.77		8.23		Pass
VHT40	MCS0	2	142	5710	0.00	0.00			8.39	8.77		8.23		Pass
VHT80	MCS0	2	106	5530	0.00	0.00			8.34	8.77		8.23		Pass
VHT80	MCS0	2	122	5610	0.00	0.00			8.71	8.77		8.23		Pass
VHT80	MCS0	2	138	5690	0.00	0.00			8.57	8.77		8.23		Pass

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

(i) 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

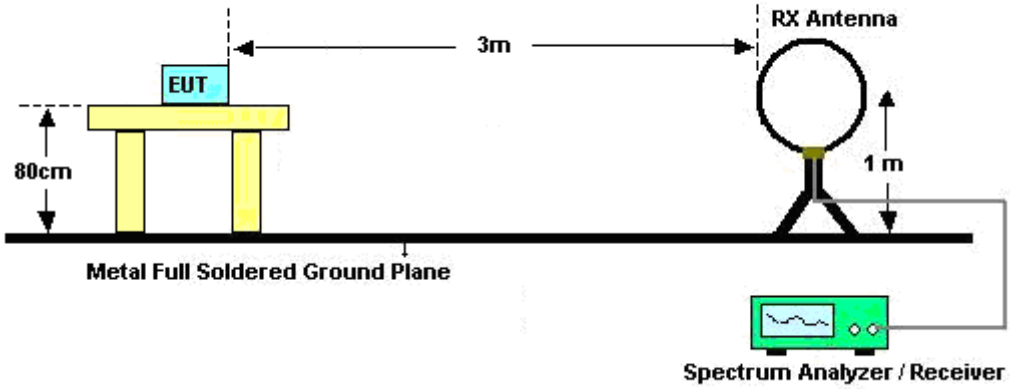
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

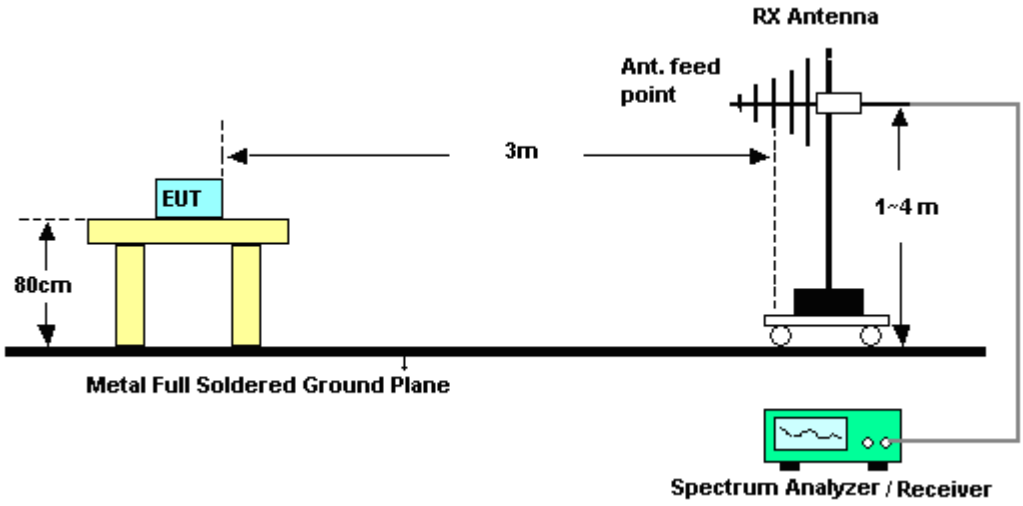
3.4.4 Test Setup

For radiated emissions below 30MHz

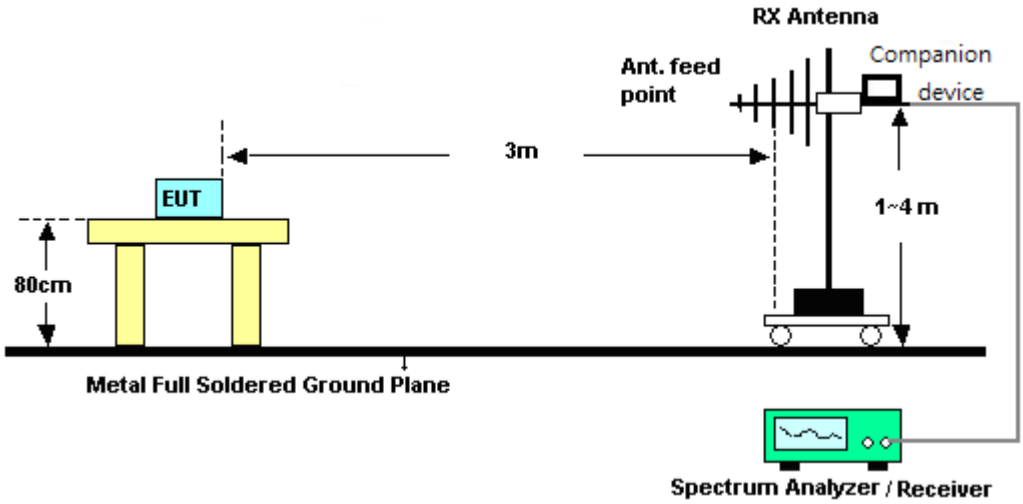


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

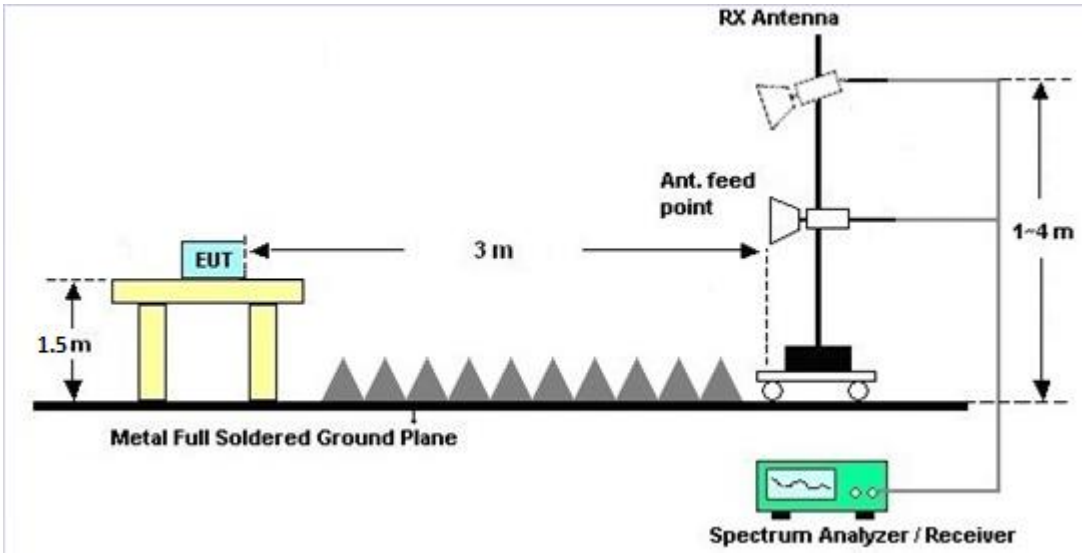


<TXBF Modes>



For radiated emissions above 1GHz

<CDD Mode>



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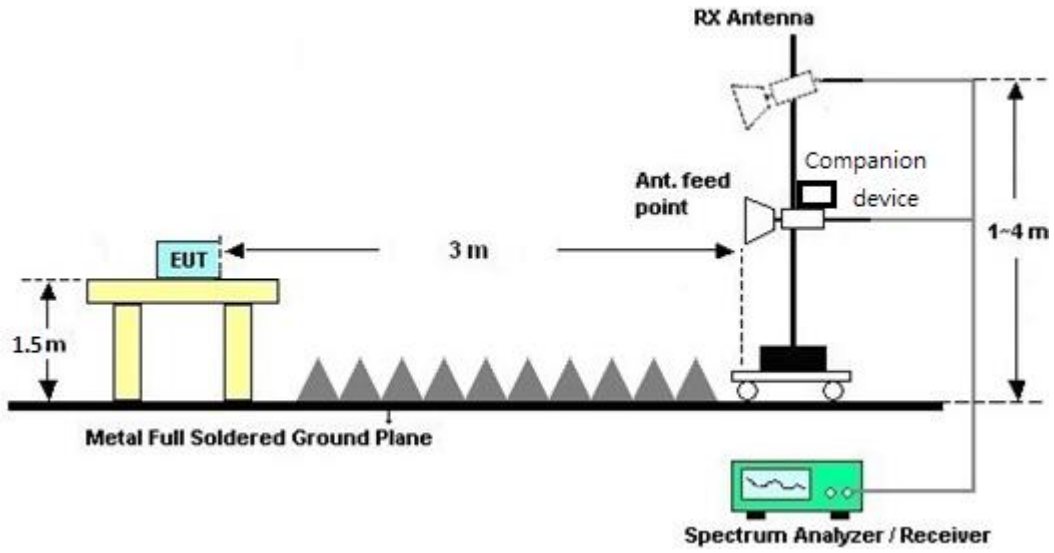


3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

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.

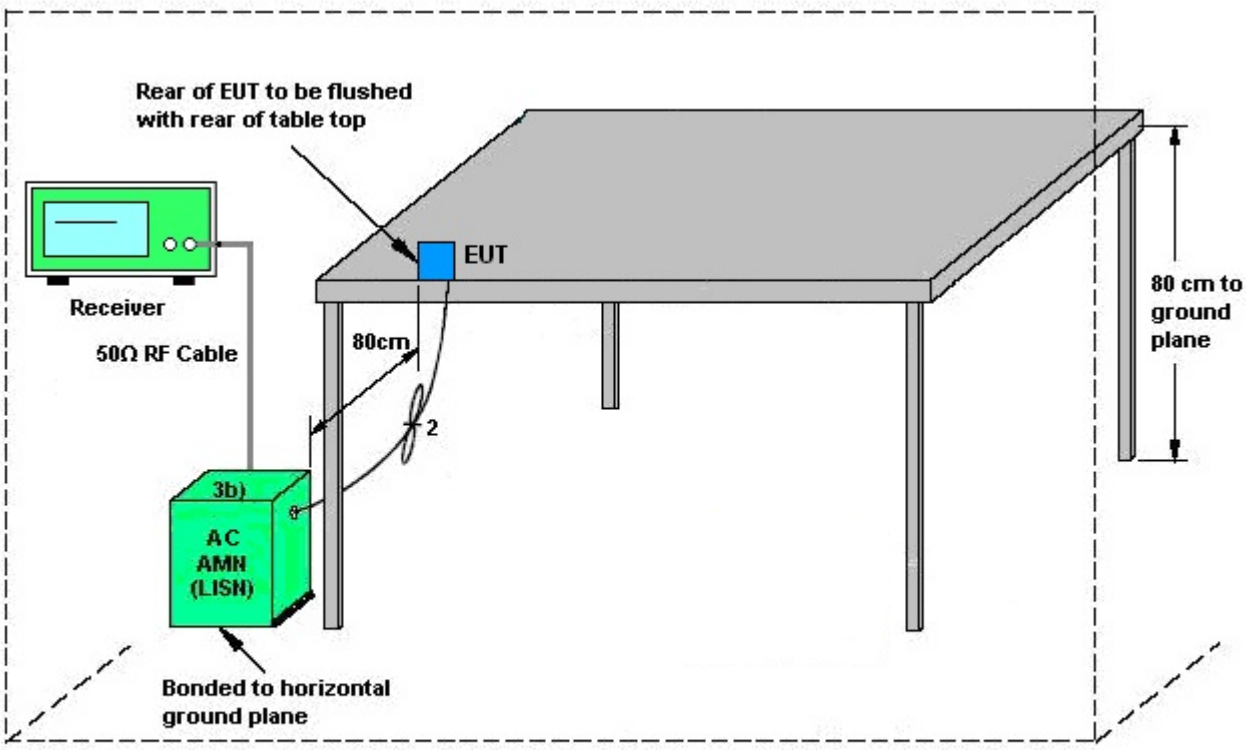
3.5.2 Measuring Instruments

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	4.92	4.45	4.92	7.70	0.00	1.70
Band II	4.92	5.05	5.05	8.00	0.00	2.00
Band III	5.21	5.23	5.23	8.23	0.00	2.23

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

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

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	4.92	4.45	7.70	7.70	1.70	1.70
Band II	4.92	5.05	8.00	8.00	2.00	2.00
Band III	5.21	5.23	8.23	8.23	2.23	2.23

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

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

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 06, 2019~ Mar. 19, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Mar. 06, 2019~ Mar. 19, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Mar. 06, 2019~ Mar. 19, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Mar. 06, 2019~ Mar. 19, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 06, 2019~ Mar. 19, 2019	N/A	Conduction (CO05-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Sep. 14, 2018	Mar. 06, 2019~ Mar. 19, 2019	Sep. 13, 2019	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 08, 2018	Mar. 06, 2019~ Mar. 19, 2019	Nov. 07, 2019	Conduction (CO05-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Mar. 29, 2018	Dec. 28, 2018~ Mar. 08, 2019	Mar. 28, 2019	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Dec. 28, 2018~ Mar. 08, 2019	Dec. 05, 2019	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00802N1D01N-06	47020&06	30MHz to 1GHz	Oct. 13, 2018	Dec. 28, 2018~ Mar. 08, 2019	Oct. 12, 2019	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1620	1G~18GHz	Oct. 17, 2018	Dec. 28, 2018~ Mar. 08, 2019	Oct. 16, 2019	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	May 08, 2018	Dec. 28, 2018~ Mar. 08, 2019	May 07, 2019	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 28, 2018	Dec. 28, 2018~ Mar. 08, 2019	Dec. 27, 2019	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	17100018000550006	1GHz~18GHz	Jul. 10, 2018	Dec. 28, 2018~ Mar. 08, 2019	Jul. 09, 2019	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 23, 2018	Dec. 28, 2018~ Mar. 08, 2019	Aug. 22, 2019	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2018	Dec. 28, 2018~ Mar. 08, 2019	Oct. 31, 2019	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	Apr. 25, 2018	Dec. 28, 2018~ Mar. 08, 2019	Apr. 24, 2019	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Dec. 28, 2018~ Mar. 08, 2019	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Dec. 28, 2018~ Mar. 08, 2019	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24	RK-000451	N/A	N/A	Dec. 28, 2018~ Mar. 08, 2019	N/A	Radiation (03CH15-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
<CDD Mode>								
Power Meter	Anritsu	ML2495A	1132003	N/A	Aug. 16, 2018	Nov. 07, 2018~ Mar. 21, 2019	Aug. 15, 2019	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1126017	300MHz~40GHz	Aug. 16, 2018	Nov. 07, 2018~ Mar. 21, 2019	Aug. 15, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV 30	100895	9kHz~30GHz	Apr. 20, 2018	Nov. 07, 2018~ Mar. 21, 2019	Apr. 19, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Mar. 01, 2018	Nov. 07, 2018~ Feb. 25, 2019	Feb. 28, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	EM	EMSW18	SW1070903	N/A	Dec. 19, 2018	Feb. 26, 2019~ Mar. 21, 2019	Dec. 18, 2019	Conducted (TH05-HY)
<TXBF Mode>								
Power Sensor	DARE	RadiPower	15I00041SNO09	10MHz~6GHz	May 07, 2018	Nov. 29, 2018~ Mar. 02, 2019	May 06, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV 30	100895	9kHz~30GHz	Apr. 20, 2018	Nov. 29, 2018~ Mar. 02, 2019	Apr. 19, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Apr. 17, 2018	Nov. 29, 2018~ Mar. 02, 2019	Apr. 16, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	EM	EMSW18	SW1070903	N/A	Dec. 19, 2018	Dec. 20, 2018~ Mar. 02, 2019	Dec. 18, 2019	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

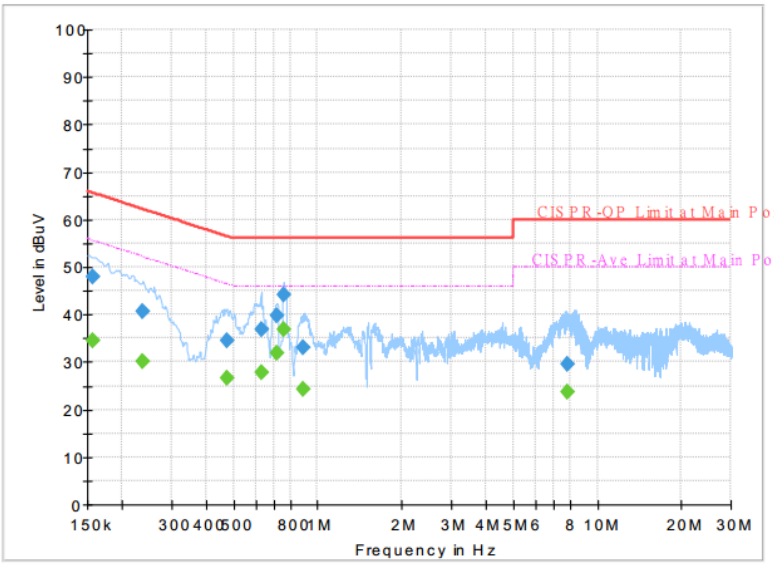
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.5**

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

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

Appendix A. AC Conducted Emission Test Results

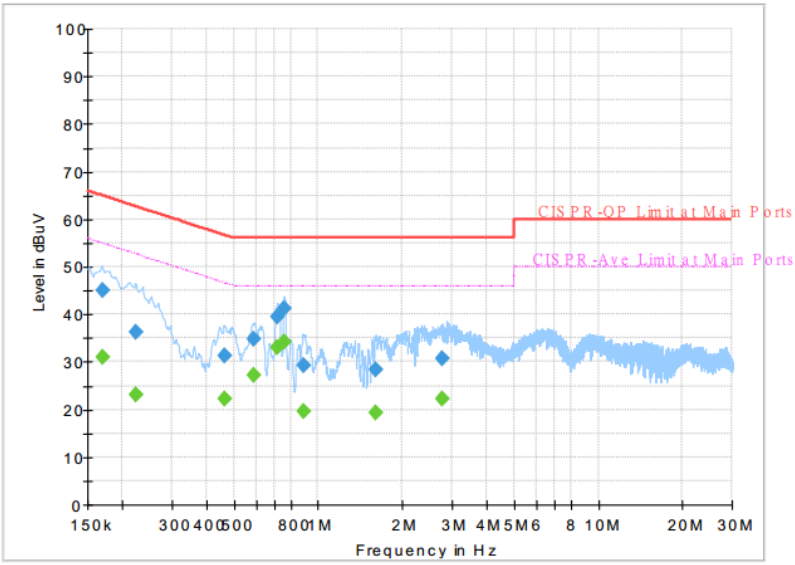
Test Engineer :	Jimmy Chang	**Temperature :**	24~26℃
		Relative Humidity :	51~53%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line



Final Result :

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	34.49	55.63	21.14	L1	OFF	19.5
0.156750	48.02	---	65.63	17.61	L1	OFF	19.5
0.237750	---	30.09	52.17	22.08	L1	OFF	19.5
0.237750	40.79	---	62.17	21.38	L1	OFF	19.5
0.471750	---	26.73	46.48	19.75	L1	OFF	19.5
0.471750	34.53	---	56.48	21.95	L1	OFF	19.5
0.627000	---	27.78	46.00	18.22	L1	OFF	19.5
0.627000	36.78	---	56.00	19.22	L1	OFF	19.5
0.714750	---	31.82	46.00	14.18	L1	OFF	19.5
0.714750	39.83	---	56.00	16.17	L1	OFF	19.5
0.755250	---	36.84	46.00	9.16	L1	OFF	19.5
0.755250	44.03	---	56.00	11.97	L1	OFF	19.5
0.885750	---	24.13	46.00	21.87	L1	OFF	19.5
0.885750	32.99	---	56.00	23.01	L1	OFF	19.5
7.838250	---	23.58	50.00	26.42	L1	OFF	19.7
7.838250	29.60	---	60.00	30.40	L1	OFF	19.7

Test Engineer :	Jimmy Chang	Temperature :	24~26℃
		Relative Humidity :	51~53%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral



Final Result :

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	30.90	54.95	24.05	N	OFF	19.5
0.170250	45.16	---	64.95	19.79	N	OFF	19.5
0.224250	---	23.08	52.66	29.58	N	OFF	19.5
0.224250	36.34	---	62.66	26.32	N	OFF	19.5
0.462750	---	22.19	46.64	24.45	N	OFF	19.5
0.462750	31.25	---	56.64	25.39	N	OFF	19.5
0.591000	---	27.34	46.00	18.66	N	OFF	19.5
0.591000	34.66	---	56.00	21.34	N	OFF	19.5
0.717000	---	33.00	46.00	13.00	N	OFF	19.5
0.717000	39.51	---	56.00	16.49	N	OFF	19.5
0.759750	---	34.12	46.00	11.88	N	OFF	19.5
0.759750	41.08	---	56.00	14.92	N	OFF	19.5
0.890250	---	19.53	46.00	26.47	N	OFF	19.5
0.890250	29.23	---	56.00	26.77	N	OFF	19.5
1.605750	---	19.21	46.00	26.79	N	OFF	19.6
1.605750	28.39	---	56.00	27.61	N	OFF	19.6
2.782500	---	22.12	46.00	23.88	N	OFF	19.5
2.782500	30.76	---	56.00	25.24	N	OFF	19.5

Appendix B. Radiated Spurious Emission

Test Engineer :	Watt Tseng, Karl Hou, and Bigshow Wang	Temperature :	24~26°C
		Relative Humidity :	47~48%

<CDD Mode>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.94	64.47	-9.53	74	54.14	31.8	8.63	30.1	345	284	P	H
		5148.98	47.18	-6.82	54	36.85	31.8	8.63	30.1	345	284	A	H
	*	5180	111.03	-	-	100.81	31.67	8.65	30.1	345	284	P	H
	*	5180	102.59	-	-	92.37	31.67	8.65	30.1	345	284	A	H
													H
		5143.26	71.2	-2.8	74	60.87	31.8	8.63	30.1	157	9	P	V
		5150	52.85	-1.15	54	42.51	31.8	8.64	30.1	157	9	A	V
	*	5180	116.86	-	-	106.64	31.67	8.65	30.1	157	9	P	V
	*	5180	108.97	-	-	98.75	31.67	8.65	30.1	157	9	A	V
													V
802.11a CH 44 5220MHz		5106.86	51.32	-22.68	74	40.93	31.87	8.61	30.09	192	318	P	H
		5145.6	41.61	-12.39	54	31.28	31.8	8.63	30.1	192	318	A	H
	*	5220	107.94	-	-	97.82	31.53	8.7	30.11	192	318	P	H
	*	5220	100.16	-	-	90.04	31.53	8.7	30.11	192	318	A	H
		5360.6	49.47	-24.53	74	39.1	31.47	9.02	30.12	192	318	P	H
		5452.72	41.18	-12.82	54	30.5	31.7	9.12	30.14	192	318	A	H
		5146.38	52.16	-21.84	74	41.83	31.8	8.63	30.1	100	5	P	V
		5145.6	43.48	-10.52	54	33.15	31.8	8.63	30.1	100	5	A	V
	*	5220	112.84	-	-	102.72	31.53	8.7	30.11	100	5	P	V
	*	5220	104.65	-	-	94.53	31.53	8.7	30.11	100	5	A	V
		5365.08	50.15	-23.85	74	39.77	31.47	9.03	30.12	100	5	P	V
		5452.72	41.85	-12.15	54	31.17	31.7	9.12	30.14	100	5	A	V

802.11a CH 48 5240MHz		5068.9	50.23	-23.77	74	39.83	31.9	8.59	30.09	187	319	P	H
		5145.6	41.21	-12.79	54	30.88	31.8	8.63	30.1	187	319	A	H
	*	5240	107.54	-	-	97.43	31.47	8.75	30.11	187	319	P	H
	*	5240	99.82	-	-	89.71	31.47	8.75	30.11	187	319	A	H
		5395.32	49.78	-24.22	74	39.21	31.6	9.1	30.13	187	319	P	H
		5452.72	40.74	-13.26	54	30.06	31.7	9.12	30.14	187	319	A	H
		5092.04	51.31	-22.69	74	40.89	31.9	8.61	30.09	100	5	P	V
		5145.34	42.77	-11.23	54	32.44	31.8	8.63	30.1	100	5	A	V
	*	5240	112.77	-	-	102.66	31.47	8.75	30.11	100	5	P	V
	*	5240	104.73	-	-	94.62	31.47	8.75	30.11	100	5	A	V
		5376.56	51.59	-22.41	74	41.19	31.47	9.06	30.13	100	5	P	V
		5452.72	42.21	-11.79	54	31.53	31.7	9.12	30.14	100	5	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.51	-20.69	68.2	56.16	39.37	13.33	61.35	100	0	P	H
		15540	45.48	-28.52	74	53.32	37.93	16.67	62.44	100	0	P	H
													H
													H
		10360	49.58	-18.62	68.2	58.23	39.37	13.33	61.35	100	0	P	V
		15540	45.26	-28.74	74	53.1	37.93	16.67	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.98	-21.22	68.2	55.56	39.53	13.38	61.49	100	0	P	H
		15660	45.44	-28.56	74	53.36	37.45	16.87	62.24	100	0	P	H
													H
													H
		10440	47.46	-20.74	68.2	56.04	39.53	13.38	61.49	100	0	P	V
		15660	44.75	-29.25	74	52.67	37.45	16.87	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.99	-21.21	68.2	55.57	39.58	13.4	61.56	100	0	P	H
		15720	45.97	-28.03	74	53.87	37.3	16.95	62.15	100	0	P	H
													H
													H
		10480	47.14	-21.06	68.2	55.72	39.58	13.4	61.56	100	0	P	V
		15720	44.98	-29.02	74	52.88	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (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)
		5149.5	64.15	-9.85	74	53.82	31.8	8.63	30.1	191	318	P	H
		5149.24	44.83	-9.17	54	34.5	31.8	8.63	30.1	191	318	A	H
	*	5180	107.49	-	-	97.27	31.67	8.65	30.1	191	318	P	H
	*	5180	99.6	-	-	89.38	31.67	8.65	30.1	191	318	A	H
802.11n													H
HT20													H
CH 36		5148.46	68.35	-5.65	74	58.02	31.8	8.63	30.1	100	5	P	V
5180MHz		5149.5	48.51	-5.49	54	38.18	31.8	8.63	30.1	100	5	A	V
	*	5180	112.15	-	-	101.93	31.67	8.65	30.1	100	5	P	V
	*	5180	104.25	-	-	94.03	31.67	8.65	30.1	100	5	A	V
													V
													V
		5149.76	54.44	-19.56	74	44.11	31.8	8.63	30.1	190	319	P	H
		5145.6	41.37	-12.63	54	31.04	31.8	8.63	30.1	190	319	A	H
	*	5220	107.42	-	-	97.3	31.53	8.7	30.11	190	319	P	H
	*	5220	99.55	-	-	89.43	31.53	8.7	30.11	190	319	A	H
802.11n		5448.8	51.14	-22.86	74	40.45	31.7	9.12	30.13	190	319	P	H
HT20		5355.84	40.81	-13.19	54	30.52	31.4	9.01	30.12	190	319	A	H
CH 44		5149.76	59.65	-14.35	74	49.32	31.8	8.63	30.1	100	5	P	V
5220MHz		5145.6	43.79	-10.21	54	33.46	31.8	8.63	30.1	100	5	A	V
	*	5220	112.56	-	-	102.44	31.53	8.7	30.11	100	5	P	V
	*	5220	104.35	-	-	94.23	31.53	8.7	30.11	100	5	A	V
		5350.8	52.53	-21.47	74	42.25	31.4	9	30.12	100	5	P	V
		5452.72	42.39	-11.61	54	31.71	31.7	9.12	30.14	100	5	A	V

		5141.7	51.02	-22.98	74	40.69	31.8	8.63	30.1	186	319	P	H
		5145.6	41.28	-12.72	54	30.95	31.8	8.63	30.1	186	319	A	H
	*	5240	107.51	-	-	97.4	31.47	8.75	30.11	186	319	P	H
	*	5240	99.26	-	-	89.15	31.47	8.75	30.11	186	319	A	H
802.11n		5415.76	50.64	-23.36	74	40.03	31.63	9.11	30.13	186	319	P	H
HT20		5398.68	40.84	-13.16	54	30.26	31.6	9.11	30.13	186	319	A	H
CH 48		5148.72	54.8	-19.2	74	44.47	31.8	8.63	30.1	100	5	P	V
5240MHz		5145.6	42.48	-11.52	54	32.15	31.8	8.63	30.1	100	5	A	V
	*	5240	112.58	-	-	102.47	31.47	8.75	30.11	100	5	P	V
	*	5240	104.31	-	-	94.2	31.47	8.75	30.11	100	5	A	V
		5352.48	53.04	-20.96	74	42.76	31.4	9	30.12	100	5	P	V
		5452.72	42.13	-11.87	54	31.45	31.7	9.12	30.14	100	5	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	46.61	-21.59	68.2	55.26	39.37	13.33	61.35	400	0	P	H
		15540	45.56	-28.44	74	53.4	37.93	16.67	62.44	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	47.36	-20.84	68.2	56.01	39.37	13.33	61.35	100	0	P	V
5180MHz		15540	44.62	-29.38	74	52.46	37.93	16.67	62.44	100	0	P	V
													V
													V
		10440	47.91	-20.29	68.2	56.49	39.53	13.38	61.49	100	0	P	H
		15660	44.34	-29.66	74	52.26	37.45	16.87	62.24	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	47.16	-21.04	68.2	55.74	39.53	13.38	61.49	100	0	P	V
5220MHz		15660	44.53	-29.47	74	52.45	37.45	16.87	62.24	100	0	P	V
													V
													V
		10480	47.06	-21.14	68.2	55.64	39.58	13.4	61.56	100	0	P	H
		15720	44.83	-29.17	74	52.73	37.3	16.95	62.15	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	47.16	-21.04	68.2	55.74	39.58	13.4	61.56	100	0	P	V
5240MHz		15720	45.2	-28.8	74	53.1	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n 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 38 5190MHz		5144.3	60.47	-13.53	74	50.14	31.8	8.63	30.1	100	47	P	H
		5133.12	52.24	-1.76	54	41.88	31.83	8.63	30.1	100	47	A	H
	*	5190	109.15	-	-	98.93	31.67	8.65	30.1	100	47	P	H
	*	5190	101.2	-	-	90.98	31.67	8.65	30.1	100	47	A	H
		5379.92	52.12	-21.88	74	41.66	31.53	9.06	30.13	100	47	P	H
		5376	43.77	-10.23	54	33.37	31.47	9.06	30.13	100	47	A	H
		5144.56	57.4	-16.6	74	47.07	31.8	8.63	30.1	100	142	P	V
		5150	46.45	-7.55	54	36.11	31.8	8.64	30.1	100	142	A	V
	*	5190	104.54	-	-	94.32	31.67	8.65	30.1	100	142	P	V
	*	5190	96.6	-	-	86.38	31.67	8.65	30.1	100	142	A	V
		5426.68	50.28	-23.72	74	39.66	31.63	9.12	30.13	100	142	P	V
		5376	41.88	-12.12	54	31.48	31.47	9.06	30.13	100	142	A	V
802.11n HT40 CH 46 5230MHz		5150	55.6	-18.4	74	45.26	31.8	8.64	30.1	187	318	P	H
		5145.6	42.78	-11.22	54	32.45	31.8	8.63	30.1	187	318	A	H
	*	5230	104.23	-	-	94.13	31.47	8.74	30.11	187	318	P	H
	*	5230	96.47	-	-	86.37	31.47	8.74	30.11	187	318	A	H
		5434.24	49.48	-24.52	74	38.82	31.67	9.12	30.13	187	318	P	H
		5405.68	41.37	-12.63	54	30.79	31.6	9.11	30.13	187	318	A	H
		5148.98	59.53	-14.47	74	49.2	31.8	8.63	30.1	100	5	P	V
		5150	45.51	-8.49	54	35.17	31.8	8.64	30.1	100	5	A	V
	*	5230	109.17	-	-	99.08	31.47	8.73	30.11	100	5	P	V
	*	5230	101.35	-	-	91.26	31.47	8.73	30.11	100	5	A	V
		5350.8	53.74	-20.26	74	43.46	31.4	9	30.12	100	5	P	V
		5350.52	43.41	-10.59	54	33.13	31.4	9	30.12	100	5	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	46.27	-21.93	68.2	54.88	39.43	13.34	61.38	100	0	P	H
		15570	45.04	-28.96	74	52.93	37.77	16.73	62.39	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	47.66	-20.54	68.2	56.27	39.43	13.34	61.38	100	0	P	V
5190MHz		15570	45.05	-28.95	74	52.94	37.77	16.73	62.39	100	0	P	V
													V
													V
		10460	46.81	-21.39	68.2	55.4	39.55	13.39	61.53	100	0	P	H
		15690	45.26	-28.74	74	53.19	37.35	16.92	62.2	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	47.78	-20.42	68.2	56.37	39.55	13.39	61.53	100	0	P	V
5230MHz		15690	45.1	-28.9	74	53.03	37.35	16.92	62.2	100	0	P	V
													V
													V

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5150	60.65	-13.35	74	50.31	31.8	8.64	30.1	100	45	P	H
		5149.24	51.8	-2.2	54	41.47	31.8	8.63	30.1	100	45	A	H
	*	5210	106.75	-	-	96.65	31.53	8.68	30.11	100	45	P	H
	*	5210	98.76	-	-	88.66	31.53	8.68	30.11	100	45	A	H
		5354.72	53.24	-20.76	74	42.95	31.4	9.01	30.12	100	45	P	H
		5376	44.85	-9.15	54	34.45	31.47	9.06	30.13	100	45	A	H
		5142.74	55.56	-18.44	74	45.23	31.8	8.63	30.1	100	139	P	V
		5149.24	47.73	-6.27	54	37.4	31.8	8.63	30.1	100	139	A	V
	*	5210	101.49	-	-	91.39	31.53	8.68	30.11	100	139	P	V
	*	5210	93.65	-	-	83.55	31.53	8.68	30.11	100	139	A	V
		5401.76	50.07	-23.93	74	39.49	31.6	9.11	30.13	100	139	P	V
		5370.96	42.22	-11.78	54	31.83	31.47	9.04	30.12	100	139	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.81	-21.39	68.2	55.39	39.52	13.36	61.46	100	0	P	H
		15630	46.27	-27.73	74	54.24	37.5	16.82	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	47.02	-21.18	68.2	55.6	39.52	13.36	61.46	100	0	P	V
5210MHz		15630	44.27	-29.73	74	52.24	37.5	16.82	62.29	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5067.32	50.31	-23.69	74	39.91	31.9	8.59	30.09	188	318	P	H
		5145.18	41.04	-12.96	54	30.71	31.8	8.63	30.1	188	318	A	H
	*	5260	106.96	-	-	96.87	31.4	8.8	30.11	188	318	P	H
	*	5260	99.22	-	-	89.13	31.4	8.8	30.11	188	318	A	H
		5370.96	50.74	-23.26	74	40.35	31.47	9.04	30.12	188	318	P	H
		5424.72	40.95	-13.05	54	30.34	31.63	9.11	30.13	188	318	A	H
		5065.96	50.21	-23.79	74	39.81	31.9	8.59	30.09	100	5	P	V
		5145.52	42.1	-11.9	54	31.77	31.8	8.63	30.1	100	5	A	V
	*	5260	111.07	-	-	100.98	31.4	8.8	30.11	100	5	P	V
	*	5260	104.05	-	-	93.96	31.4	8.8	30.11	100	5	A	V
		5412.24	51.58	-22.42	74	40.97	31.63	9.11	30.13	100	5	P	V
		5350.8	42.66	-11.34	54	32.38	31.4	9	30.12	100	5	A	V
802.11a CH 60 5300MHz		5060.52	49.68	-24.32	74	39.28	31.9	8.59	30.09	188	318	P	H
		5145.86	40.91	-13.09	54	30.58	31.8	8.63	30.1	188	318	A	H
	*	5300	106.1	-	-	95.93	31.4	8.89	30.12	188	318	P	H
	*	5300	98.05	-	-	87.88	31.4	8.89	30.12	188	318	A	H
		5357.04	51.54	-22.46	74	41.25	31.4	9.01	30.12	188	318	P	H
		5350.56	41.5	-12.5	54	31.22	31.4	9	30.12	188	318	A	H
		5127.5	49.65	-24.35	74	39.3	31.83	8.62	30.1	100	5	P	V
		5145.52	42.16	-11.84	54	31.83	31.8	8.63	30.1	100	5	A	V
	*	5300	111.54	-	-	101.37	31.4	8.89	30.12	100	5	P	V
	*	5300	103.56	-	-	93.39	31.4	8.89	30.12	100	5	A	V
		5352	53.58	-20.42	74	43.3	31.4	9	30.12	100	5	P	V
		5351.52	44.73	-9.27	54	34.45	31.4	9	30.12	100	5	A	V

802.11a CH 64 5320MHz	*	5320	108.61	-	-	98.4	31.4	8.93	30.12	334	289	P	H
	*	5320	100.7	-	-	90.49	31.4	8.93	30.12	334	289	A	H
		5356.64	59.39	-14.61	74	49.1	31.4	9.01	30.12	334	289	P	H
		5351.2	47	-7	54	36.72	31.4	9	30.12	334	289	A	H
													H
													H
	*	5320	113.9	-	-	103.69	31.4	8.93	30.12	122	0	P	V
	*	5320	106.2	-	-	95.99	31.4	8.93	30.12	122	0	A	V
		5350.72	68.4	-5.6	74	58.12	31.4	9	30.12	122	0	P	V
		5350.88	52.29	-1.71	54	42.01	31.4	9	30.12	122	0	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.36	-21.84	68.2	54.94	39.63	13.41	61.62	100	0	P	H
		15780	45.56	-28.44	74	53.28	37.3	17.03	62.05	100	0	P	H
													H
													H
		10520	46.44	-21.76	68.2	55.02	39.63	13.41	61.62	100	0	P	V
		15780	45.16	-28.84	74	52.88	37.3	17.03	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.94	-26.06	74	56.42	39.8	13.4	61.68	100	0	P	H
		15900	45.46	-28.54	74	53.13	37	17.19	61.86	100	0	P	H
													H
													H
		10600	47.68	-26.32	74	56.16	39.8	13.4	61.68	100	0	P	V
		15900	45.16	-28.84	74	52.83	37	17.19	61.86	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.5	-26.5	74	56.01	39.8	13.4	61.71	100	0	P	H
		15960	44.67	-29.33	74	52.33	36.93	17.17	61.76	100	0	P	H
													H
													H
		10640	47.3	-26.7	74	55.81	39.8	13.4	61.71	100	0	P	V
		15960	44.51	-29.49	74	52.17	36.93	17.17	61.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (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)
		5097.92	50.57	-23.43	74	40.15	31.9	8.61	30.09	187	319	P	H
		5145.18	40.94	-13.06	54	30.61	31.8	8.63	30.1	187	319	A	H
	*	5260	106.68	-	-	96.59	31.4	8.8	30.11	187	319	P	H
	*	5260	98.83	-	-	88.74	31.4	8.8	30.11	187	319	A	H
802.11n		5354.64	51.16	-22.84	74	40.87	31.4	9.01	30.12	187	319	P	H
HT20		5355.36	40.92	-13.08	54	30.63	31.4	9.01	30.12	187	319	A	H
CH 52		5140.42	51.12	-22.88	74	40.79	31.8	8.63	30.1	100	5	P	V
5260MHz		5145.52	42.01	-11.99	54	31.68	31.8	8.63	30.1	100	5	A	V
	*	5260	111.84	-	-	101.75	31.4	8.8	30.11	100	5	P	V
	*	5260	103.76	-	-	93.67	31.4	8.8	30.11	100	5	A	V
		5351.28	56.08	-17.92	74	45.8	31.4	9	30.12	100	5	P	V
		5350.32	42.68	-11.32	54	32.4	31.4	9	30.12	100	5	A	V
		5102.34	49.81	-24.19	74	39.39	31.9	8.61	30.09	185	318	P	H
		5145.52	40.81	-13.19	54	30.48	31.8	8.63	30.1	185	318	A	H
	*	5300	105.79	-	-	95.62	31.4	8.89	30.12	185	318	P	H
	*	5300	97.66	-	-	87.49	31.4	8.89	30.12	185	318	A	H
802.11n		5351.04	58.35	-15.65	74	48.07	31.4	9	30.12	185	318	P	H
HT20		5350.8	42.13	-11.87	54	31.85	31.4	9	30.12	185	318	A	H
CH 60		5113.56	50	-24	74	39.6	31.87	8.62	30.09	100	4	P	V
5300MHz		5145.52	42.06	-11.94	54	31.73	31.8	8.63	30.1	100	4	A	V
	*	5300	111.08	-	-	100.91	31.4	8.89	30.12	100	4	P	V
	*	5300	103.08	-	-	92.91	31.4	8.89	30.12	100	4	A	V
		5366.16	59.73	-14.27	74	49.35	31.47	9.03	30.12	100	4	P	V
		5351.28	45.5	-8.5	54	35.22	31.4	9	30.12	100	4	A	V

	*	5320	105.36	-	-	95.15	31.4	8.93	30.12	186	318	P	H
	*	5320	97.1	-	-	86.89	31.4	8.93	30.12	186	318	A	H
		5350.88	60.92	-13.08	74	50.64	31.4	9	30.12	186	318	P	H
		5351.2	42.88	-11.12	54	32.6	31.4	9	30.12	186	318	A	H
802.11n													H
HT20													H
CH 64	*	5320	111.19	-	-	100.98	31.4	8.93	30.12	100	4	P	V
5320MHz	*	5320	103.03	-	-	92.82	31.4	8.93	30.12	100	4	A	V
		5351.68	66.46	-7.54	74	56.18	31.4	9	30.12	100	4	P	V
		5352.8	47.46	-6.54	54	37.18	31.4	9	30.12	100	4	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	46.92	-21.28	68.2	55.5	39.63	13.41	61.62	100	0	P	H
		15780	46.31	-27.69	74	54.03	37.3	17.03	62.05	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	47.67	-20.53	68.2	56.25	39.63	13.41	61.62	100	0	P	V
5260MHz		15780	45.72	-28.28	74	53.44	37.3	17.03	62.05	100	0	P	V
													V
													V
		10600	47.43	-26.57	74	55.91	39.8	13.4	61.68	100	0	P	H
		15900	45.22	-28.78	74	52.89	37	17.19	61.86	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	47.83	-26.17	74	56.31	39.8	13.4	61.68	100	0	P	V
5300MHz		15900	44.18	-29.82	74	51.85	37	17.19	61.86	100	0	P	V
													V
													V
		10640	48.96	-25.04	74	57.47	39.8	13.4	61.71	100	0	P	H
		15960	44.89	-29.11	74	52.55	36.93	17.17	61.76	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	48.14	-25.86	74	56.65	39.8	13.4	61.71	100	0	P	V
5320MHz		15960	44.4	-29.6	74	52.06	36.93	17.17	61.76	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11n 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 54 5270MHz		5143.82	50.49	-23.51	74	40.16	31.8	8.63	30.1	186	318	P	H
		5145.52	41.48	-12.52	54	31.15	31.8	8.63	30.1	186	318	A	H
	*	5270	103.63	-	-	93.52	31.4	8.82	30.11	186	318	P	H
	*	5270	95.99	-	-	85.88	31.4	8.82	30.11	186	318	A	H
		5352.72	57.3	-16.7	74	47.02	31.4	9	30.12	186	318	P	H
		5351.28	42.42	-11.58	54	32.14	31.4	9	30.12	186	318	A	H
		5144.16	52.22	-21.78	74	41.89	31.8	8.63	30.1	100	5	P	V
		5145.52	42.72	-11.28	54	32.39	31.8	8.63	30.1	100	5	A	V
	*	5270	108.65	-	-	98.54	31.4	8.82	30.11	100	5	P	V
	*	5270	100.94	-	-	90.83	31.4	8.82	30.11	100	5	A	V
		5350.8	61.64	-12.36	74	51.36	31.4	9	30.12	100	5	P	V
		5350.56	47	-7	54	36.72	31.4	9	30.12	100	5	A	V
802.11n HT40 CH 62 5310MHz		5068.68	49.3	-24.7	74	38.9	31.9	8.59	30.09	100	47	P	H
		5145.52	41.3	-12.7	54	30.97	31.8	8.63	30.1	100	47	A	H
	*	5310	108.23	-	-	98.04	31.4	8.91	30.12	100	47	P	H
	*	5310	100.23	-	-	90.04	31.4	8.91	30.12	100	47	A	H
		5351.28	60.04	-13.96	74	49.76	31.4	9	30.12	100	47	P	H
		5350.08	51.76	-2.24	54	41.48	31.4	9	30.12	100	47	A	H
		5044.2	49.84	-24.16	74	39.45	31.9	8.58	30.09	101	146	P	V
		5108.12	40.91	-13.09	54	30.52	31.87	8.61	30.09	101	146	A	V
	*	5310	103.33	-	-	93.14	31.4	8.91	30.12	101	146	P	V
	*	5310	95.92	-	-	85.73	31.4	8.91	30.12	101	146	A	V
		5352.96	57.2	-16.8	74	46.92	31.4	9	30.12	101	146	P	V
		5350.32	47.74	-6.26	54	37.46	31.4	9	30.12	101	146	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 Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	47.03	-21.17	68.2	55.58	39.67	13.41	61.63	100	0	P	H
		15810	44.38	-29.62	74	52	37.3	17.08	62	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	47.65	-20.55	68.2	56.2	39.67	13.41	61.63	100	0	P	V
5270MHz		15810	45.28	-28.72	74	52.9	37.3	17.08	62	100	0	P	V
													V
													V
		10620	47.42	-26.58	74	55.91	39.8	13.41	61.7	100	0	P	H
		15930	45.45	-28.55	74	53.1	36.97	17.19	61.81	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	47.63	-26.37	74	56.12	39.8	13.41	61.7	100	0	P	V
5310MHz		15930	45.02	-28.98	74	52.67	36.97	17.19	61.81	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5088.74	49.69	-24.31	74	39.28	31.9	8.6	30.09	100	47	P	H
		5089.08	41.35	-12.65	54	30.94	31.9	8.6	30.09	100	47	A	H
	*	5290	103.44	-	-	93.29	31.4	8.86	30.11	100	47	P	H
	*	5290	96.19	-	-	86.04	31.4	8.86	30.11	100	47	A	H
		5358	58.99	-15.01	74	48.69	31.4	9.02	30.12	100	47	P	H
		5350.08	51.26	-2.74	54	40.98	31.4	9	30.12	100	47	A	H
		5085	49.02	-24.98	74	38.61	31.9	8.6	30.09	100	145	P	V
		5076.84	41.19	-12.81	54	30.78	31.9	8.6	30.09	100	145	A	V
	*	5290	98.93	-	-	88.78	31.4	8.86	30.11	100	145	P	V
	*	5290	91.36	-	-	81.21	31.4	8.86	30.11	100	145	A	V
		5356.32	55.16	-18.84	74	44.87	31.4	9.01	30.12	100	145	P	V
		5354.64	47.22	-6.78	54	36.93	31.4	9.01	30.12	100	145	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	47.82	-20.38	68.2	56.3	39.77	13.41	61.66	100	0	P	H
		15870	44.89	-29.11	74	52.58	37.06	17.16	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	47.27	-20.93	68.2	55.75	39.77	13.41	61.66	100	0	P	V
5290MHz		15870	45.14	-28.86	74	52.83	37.06	17.16	61.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5458.32	62.95	-11.05	74	52.27	31.7	9.12	30.14	100	43	P	H
		5460.72	63.54	-4.66	68.2	52.86	31.7	9.12	30.14	100	43	P	H
		5458.96	48.45	-5.55	54	37.77	31.7	9.12	30.14	100	43	A	H
	*	5500	115.75	-	-	105.06	31.7	9.13	30.14	100	43	P	H
	*	5500	107.82	-	-	97.13	31.7	9.13	30.14	100	43	A	H
													H
		5459.76	57.31	-16.69	74	46.63	31.7	9.12	30.14	100	141	P	V
		5470	58.04	-10.16	68.2	47.36	31.7	9.12	30.14	100	141	P	V
		5459.6	45.55	-8.45	54	34.87	31.7	9.12	30.14	100	141	A	V
	*	5500	111.37	-	-	100.68	31.7	9.13	30.14	100	141	P	V
	*	5500	103.22	-	-	92.53	31.7	9.13	30.14	100	141	A	V
													V
802.11a CH 116 5580MHz		5452.24	53.15	-20.85	74	42.47	31.7	9.12	30.14	100	46	P	H
		5464.24	52.93	-15.27	68.2	42.25	31.7	9.12	30.14	100	46	P	H
		5452.72	43.55	-10.45	54	32.87	31.7	9.12	30.14	100	46	A	H
	*	5580	114.78	-	-	104.02	31.8	9.15	30.19	100	46	P	H
	*	5580	106.95	-	-	96.19	31.8	9.15	30.19	100	46	A	H
		5726.57	51.58	-16.62	68.2	40.53	31.93	9.38	30.26	100	46	P	H
		5372.32	50.85	-23.15	74	40.45	31.47	9.05	30.12	100	141	P	V
		5466.16	50.39	-17.81	68.2	39.71	31.7	9.12	30.14	100	141	P	V
		5452.72	42.12	-11.88	54	31.44	31.7	9.12	30.14	100	141	A	V
	*	5580	111.01	-	-	100.25	31.8	9.15	30.19	100	141	P	V
	*	5580	102.7	-	-	91.94	31.8	9.15	30.19	100	141	A	V
		5739.17	50.69	-17.51	68.2	39.55	32	9.41	30.27	100	141	P	V

802.11a CH 140 5700MHz	*	5700	103.46	-	-	92.57	31.8	9.34	30.25	147	5	P	H
	*	5700	95.42	-	-	84.53	31.8	9.34	30.25	147	5	A	H
		5741.56	52.07	-16.13	68.2	40.93	32	9.41	30.27	147	5	P	H
													H
													H
													H
	*	5700	110	-	-	99.11	31.8	9.34	30.25	102	336	P	V
	*	5700	101.68	-	-	90.79	31.8	9.34	30.25	102	336	A	V
		5742.52	53.19	-15.01	68.2	42.05	32	9.41	30.27	102	336	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.49	-26.51	74	55.65	40.4	13.44	62	100	0	P	H
		16500	47.74	-20.46	68.2	51.53	38.6	17.21	59.6	100	0	P	H
													H
													H
		11000	48.34	-25.66	74	56.5	40.4	13.44	62	100	0	P	V
		16500	47.52	-20.68	68.2	51.31	38.6	17.21	59.6	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.42	-25.58	74	56.5	39.93	13.67	61.68	100	0	P	H
		16740	49.24	-18.96	68.2	51.68	39.78	17.48	59.7	100	0	P	H
													H
													H
		11160	53.49	-20.51	74	61.57	39.93	13.67	61.68	220	167	P	V
		11160	42.65	-11.35	54	50.73	39.93	13.67	61.68	220	167	A	V
		16740	47.74	-20.46	68.2	50.18	39.78	17.48	59.7	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	57.57	-16.43	74	64.8	40	13.97	61.2	235	344	P	H
		11400	47.97	-6.03	54	55.2	40	13.97	61.2	235	344	A	H
		17100	49.29	-18.91	68.2	50.81	40.5	17.66	59.68	100	0	P	H
													H
		11400	54.43	-19.57	74	61.66	40	13.97	61.2	100	17	P	V
		11400	44.54	-9.46	54	51.77	40	13.97	61.2	100	17	A	V
		17100	49.24	-18.96	68.2	50.76	40.5	17.66	59.68	100	0	P	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 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)
		5452.72	60.99	-13.01	74	50.31	31.7	9.12	30.14	100	48	P	H
		5466.96	58.1	-10.1	68.2	47.42	31.7	9.12	30.14	100	48	P	H
		5442.48	48.82	-5.18	54	38.16	31.67	9.12	30.13	100	48	A	H
	*	5500	115.41	-	-	104.72	31.7	9.13	30.14	100	48	P	H
802.11n	*	5500	107.37	-	-	96.68	31.7	9.13	30.14	100	48	A	H
HT20													H
CH 100		5457.68	59.9	-14.1	74	49.22	31.7	9.12	30.14	100	142	P	V
5500MHz		5466	55.12	-13.08	68.2	44.44	31.7	9.12	30.14	100	142	P	V
		5458.16	45.6	-8.4	54	34.92	31.7	9.12	30.14	100	142	A	V
	*	5500	110.74	-	-	100.05	31.7	9.13	30.14	100	142	P	V
	*	5500	102.76	-	-	92.07	31.7	9.13	30.14	100	142	A	V
													V
		5453.44	52.12	-21.88	74	41.44	31.7	9.12	30.14	100	47	P	H
		5468.56	52.27	-15.93	68.2	41.59	31.7	9.12	30.14	100	47	P	H
		5452.72	43.74	-10.26	54	33.06	31.7	9.12	30.14	100	47	A	H
	*	5580	115.02	-	-	104.26	31.8	9.15	30.19	100	47	P	H
802.11n	*	5580	106.73	-	-	95.97	31.8	9.15	30.19	100	47	A	H
HT20		5744.84	50.95	-17.25	68.2	39.8	32	9.42	30.27	100	47	P	H
CH 116		5433.76	50.74	-23.26	74	40.08	31.67	9.12	30.13	100	141	P	V
5580MHz		5468.08	50.4	-17.8	68.2	39.72	31.7	9.12	30.14	100	141	P	V
		5452.72	42.11	-11.89	54	31.43	31.7	9.12	30.14	100	141	A	V
	*	5580	110.36	-	-	99.6	31.8	9.15	30.19	100	141	P	V
	*	5580	102.14	-	-	91.38	31.8	9.15	30.19	100	141	A	V
		5763.74	50.02	-18.18	68.2	38.79	32.07	9.45	30.29	100	141	P	V

	*	5700	102.04	-	-	91.15	31.8	9.34	30.25	147	2	P	H
	*	5700	94.08	-	-	83.19	31.8	9.34	30.25	147	2	A	H
		5732.28	57.91	-10.29	68.2	46.86	31.93	9.39	30.27	147	2	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	107.97	-	-	97.08	31.8	9.34	30.25	100	345	P	V
5700MHz	*	5700	100.07	-	-	89.18	31.8	9.34	30.25	100	345	A	V
		5725	62.77	-5.43	68.2	51.72	31.93	9.38	30.26	100	345	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 Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	48.39	-25.61	74	56.55	40.4	13.44	62	100	0	P	H
		16500	46.88	-21.32	68.2	50.67	38.6	17.21	59.6	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	48.25	-25.75	74	56.41	40.4	13.44	62	100	0	P	V
5500MHz		16500	47.15	-21.05	68.2	50.94	38.6	17.21	59.6	100	0	P	V
													V
													V
		11160	48.53	-25.47	74	56.61	39.93	13.67	61.68	100	0	P	H
		16740	48	-20.2	68.2	50.44	39.78	17.48	59.7	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	49.37	-24.63	74	57.45	39.93	13.67	61.68	100	0	P	V
5580MHz		16740	48.9	-19.3	68.2	51.34	39.78	17.48	59.7	100	0	P	V
													V
													V
		11400	57.45	-16.55	74	64.68	40	13.97	61.2	251	343	P	H
		11400	46.74	-7.26	54	53.97	40	13.97	61.2	251	343	A	H
802.11n		17100	49.11	-19.09	68.2	50.63	40.5	17.66	59.68	100	0	P	H
HT20													H
CH 140		11400	53.96	-20.04	74	61.19	40	13.97	61.2	103	18	P	V
5700MHz		11400	44.34	-9.66	54	51.57	40	13.97	61.2	103	18	A	V
		17100	49.64	-18.56	68.2	51.16	40.5	17.66	59.68	100	0	P	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 Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	59.55	-14.45	74	48.87	31.7	9.12	30.14	156	23	P	H
		5469.28	60.47	-7.73	68.2	49.79	31.7	9.12	30.14	156	23	P	H
		5457.28	44.52	-9.48	54	33.84	31.7	9.12	30.14	156	23	A	H
	*	5510	101.22	-	-	90.54	31.7	9.13	30.15	156	23	P	H
802.11n	*	5510	93.5	-	-	82.82	31.7	9.13	30.15	156	23	A	H
HT40		5751.455	49.66	-18.54	68.2	38.5	32	9.43	30.27	156	23	P	H
CH 102		5459.92	64.23	-9.77	74	53.55	31.7	9.12	30.14	271	49	P	V
5510MHz		5462.8	65.06	-3.14	68.2	54.38	31.7	9.12	30.14	271	49	P	V
		5452.96	47.84	-6.16	54	37.16	31.7	9.12	30.14	271	49	A	V
	*	5510	105.83	-	-	95.15	31.7	9.13	30.15	271	49	P	V
	*	5510	98.23	-	-	87.55	31.7	9.13	30.15	271	49	A	V
		5744.84	49.64	-18.56	68.2	38.49	32	9.42	30.27	271	49	P	V
		5458.24	53.72	-20.28	74	43.04	31.7	9.12	30.14	136	28	P	H
		5465.44	55.98	-12.22	68.2	45.3	31.7	9.12	30.14	136	28	P	H
		5452.72	42.17	-11.83	54	31.49	31.7	9.12	30.14	136	28	A	H
	*	5550	100.11	-	-	89.34	31.8	9.14	30.17	136	28	P	H
802.11n	*	5550	92.49	-	-	81.72	31.8	9.14	30.17	136	28	A	H
HT40		5738.54	50.41	-17.79	68.2	39.27	32	9.41	30.27	136	28	P	H
CH 110		5459.92	59.14	-14.86	74	48.46	31.7	9.12	30.14	103	343	P	V
5550MHz		5467.84	60.54	-7.66	68.2	49.86	31.7	9.12	30.14	103	343	P	V
		5452.72	44.72	-9.28	54	34.04	31.7	9.12	30.14	103	343	A	V
	*	5550	105.33	-	-	94.56	31.8	9.14	30.17	103	343	P	V
	*	5550	97.78	-	-	87.01	31.8	9.14	30.17	103	343	A	V
		5764.055	50.35	-17.85	68.2	39.12	32.07	9.45	30.29	103	343	P	V

		5453.95	49.83	-24.17	74	39.15	31.7	9.12	30.14	138	278	P	H
		5464.8	49.09	-19.11	68.2	38.41	31.7	9.12	30.14	138	278	P	H
		5413.35	41.06	-12.94	54	30.45	31.63	9.11	30.13	138	278	A	H
	*	5670	100.94	-	-	90.14	31.75	9.28	30.23	138	278	P	H
802.11n	*	5670	93.46	-	-	82.66	31.75	9.28	30.23	138	278	A	H
HT40		5727.55	58.59	-9.61	68.2	47.53	31.93	9.39	30.26	138	278	P	H
CH 134		5401.1	50.92	-23.08	74	40.34	31.6	9.11	30.13	105	341	P	V
5670MHz		5464.45	49.49	-18.71	68.2	38.81	31.7	9.12	30.14	105	341	P	V
		5452.9	42.57	-11.43	54	31.89	31.7	9.12	30.14	105	341	A	V
	*	5670	104.6	-	-	93.8	31.75	9.28	30.23	105	341	P	V
	*	5670	96.79	-	-	85.99	31.75	9.28	30.23	105	341	A	V
		5729.3	60.81	-7.39	68.2	49.75	31.93	9.39	30.26	105	341	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	48.25	-25.75	74	56.41	40.33	13.47	61.96	100	0	P	H
		16530	45.62	-22.58	68.2	49.29	38.7	17.24	59.61	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	47.94	-26.06	74	56.1	40.33	13.47	61.96	100	0	P	V
5510MHz		16530	45.86	-22.34	68.2	49.53	38.7	17.24	59.61	100	0	P	V
													V
													V
		11100	47.76	-26.24	74	56.03	40	13.53	61.8	100	0	P	H
		16650	46.71	-21.49	68.2	49.76	39.2	17.41	59.66	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	47.91	-26.09	74	56.18	40	13.53	61.8	100	0	P	V
5550MHz		16650	46.55	-21.65	68.2	49.6	39.2	17.41	59.66	100	0	P	V
													V
													V
		11340	48.77	-25.23	74	56.22	39.87	14	61.32	100	0	P	H
		17010	48.7	-19.5	68.2	50.45	40.5	17.54	59.79	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	48.61	-25.39	74	56.06	39.87	14	61.32	100	0	P	V
5670MHz		17010	47.45	-20.75	68.2	49.2	40.5	17.54	59.79	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452.24	55.03	-18.97	74	44.35	31.7	9.12	30.14	146	24	P	H
		5469.76	56.6	-11.6	68.2	45.92	31.7	9.12	30.14	146	24	P	H
		5459.68	43.37	-10.63	54	32.69	31.7	9.12	30.14	146	24	A	H
	*	5530	98.14	-	-	87.44	31.73	9.14	30.17	146	24	P	H
802.11ac	*	5530	89.97	-	-	79.27	31.73	9.14	30.17	146	24	A	H
VHT80		5754.92	50.73	-17.47	68.2	39.49	32.07	9.44	30.27	146	24	P	H
CH 106		5459.92	61.29	-12.71	74	50.61	31.7	9.12	30.14	100	343	P	V
5530MHz		5469.52	62.67	-5.53	68.2	51.99	31.7	9.12	30.14	100	343	P	V
		5459.2	47.05	-6.95	54	36.37	31.7	9.12	30.14	100	343	A	V
	*	5530	102.97	-	-	92.27	31.73	9.14	30.17	100	343	P	V
	*	5530	94.96	-	-	84.26	31.73	9.14	30.17	100	343	A	V
		5746.73	49.5	-18.7	68.2	38.35	32	9.42	30.27	100	343	P	V
		5399.2	50.02	-23.98	74	39.44	31.6	9.11	30.13	151	24	P	H
		5464	49.52	-18.68	68.2	38.84	31.7	9.12	30.14	151	24	P	H
		5452.72	42.01	-11.99	54	31.33	31.7	9.12	30.14	151	24	A	H
	*	5610	96.92	-	-	86.16	31.8	9.17	30.21	151	24	P	H
802.11ac	*	5610	89.27	-	-	78.51	31.8	9.17	30.21	151	24	A	H
VHT80		5746.415	49.2	-19	68.2	38.05	32	9.42	30.27	151	24	P	H
CH 122		5459.68	52.37	-21.63	74	41.69	31.7	9.12	30.14	263	53	P	V
5610MHz		5463.04	50.12	-18.08	68.2	39.44	31.7	9.12	30.14	263	53	P	V
		5452.72	43.62	-10.38	54	32.94	31.7	9.12	30.14	263	53	A	V
	*	5610	102.77	-	-	92.01	31.8	9.17	30.21	263	53	P	V
	*	5610	95.12	-	-	84.36	31.8	9.17	30.21	263	53	A	V
		5763.11	50.28	-17.92	68.2	39.05	32.07	9.45	30.29	263	53	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	49.5	-24.5	74	57.75	40.13	13.5	61.88	100	0	P	H
		16590	48.1	-20.1	68.2	51.57	38.85	17.32	59.64	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	48.8	-25.2	74	57.05	40.13	13.5	61.88	400	0	P	V
5530MHz		16590	47.24	-20.96	68.2	50.71	38.85	17.32	59.64	100	0	P	V
													V
													V
		11220	47.58	-26.42	74	55.43	39.88	13.83	61.56	100	0	P	H
		16830	48.29	-19.91	68.2	50.34	40.2	17.48	59.73	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.67	-26.33	74	55.52	39.88	13.83	61.56	100	0	P	V
5610MHz		16830	48.38	-19.82	68.2	50.43	40.2	17.48	59.73	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5434.24	50.58	-23.42	74	39.92	31.67	9.12	30.13	138	281	P	H
		5466.22	49.28	-18.92	68.2	38.6	31.7	9.12	30.14	138	281	P	H
		5411.23	40.98	-13.02	54	30.4	31.6	9.11	30.13	138	281	A	H
	*	5720	105.33	-	-	94.29	31.93	9.37	30.26	138	281	P	H
	*	5720	97.1	-	-	86.06	31.93	9.37	30.26	138	281	A	H
		5944.75	52.1	-16.1	68.2	40.39	32.4	9.69	30.38	138	281	P	H
		5456.86	51.16	-22.84	74	40.48	31.7	9.12	30.14	100	336	P	V
		5465.05	49.42	-18.78	68.2	38.74	31.7	9.12	30.14	100	336	P	V
		5452.96	42.3	-11.7	54	31.62	31.7	9.12	30.14	100	336	A	V
	*	5720	109.39	-	-	98.35	31.93	9.37	30.26	100	336	P	V
	*	5720	101.69	-	-	90.65	31.93	9.37	30.26	100	336	A	V
		5902.25	51.7	-16.5	68.2	40.12	32.3	9.64	30.36	100	336	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	56.02	-17.98	74	63.13	40.07	13.94	61.12	230	342	P	H
		11440	46.43	-7.57	54	53.54	40.07	13.94	61.12	230	342	A	H
		17160	49.15	-19.05	68.2	50.43	40.57	17.76	59.61	100	0	P	H
													H
		11440	53.77	-20.23	74	60.88	40.07	13.94	61.12	100	21	P	V
		11440	43.78	-10.22	54	50.89	40.07	13.94	61.12	100	21	A	V
		17160	49.63	-18.57	68.2	50.91	40.57	17.76	59.61	100	0	P	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 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 HT20 CH 144 5720MHz		5433.85	50.31	-23.69	74	39.65	31.67	9.12	30.13	148	278	P	H
		5463.88	48.89	-19.31	68.2	38.21	31.7	9.12	30.14	148	278	P	H
		5459.98	40.19	-13.81	54	29.51	31.7	9.12	30.14	148	278	A	H
	*	5720	104.32	-	-	93.28	31.93	9.37	30.26	148	278	P	H
	*	5720	96.34	-	-	85.3	31.93	9.37	30.26	148	278	A	H
		5876.25	51.12	-17.08	68.2	39.58	32.27	9.61	30.34	148	278	P	H
		5380.03	49.51	-24.49	74	39.04	31.53	9.07	30.13	100	334	P	V
		5463.49	48.48	-19.72	68.2	37.8	31.7	9.12	30.14	100	334	P	V
		5452.96	40.49	-13.51	54	29.81	31.7	9.12	30.14	100	334	A	V
	*	5720	108.07	-	-	97.03	31.93	9.37	30.26	100	334	P	V
	*	5720	99.85	-	-	88.81	31.93	9.37	30.26	100	334	A	V
		5918.75	51.01	-17.19	68.2	39.39	32.33	9.66	30.37	100	334	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	56.92	-17.08	74	64.03	40.07	13.94	61.12	239	344	P	H
		11440	46.19	-7.81	54	53.3	40.07	13.94	61.12	239	344	A	H
802.11n		17160	50.1	-18.1	68.2	51.38	40.57	17.76	59.61	100	0	P	H
HT20													H
CH 144		11440	49.97	-24.03	74	57.08	40.07	13.94	61.12	100	0	P	V
5720MHz		17160	48.58	-19.62	68.2	49.86	40.57	17.76	59.61	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 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 142 5710MHz		5399.53	49.34	-24.66	74	38.76	31.6	9.11	30.13	149	279	P	H
		5461.15	50.13	-18.07	68.2	39.45	31.7	9.12	30.14	149	279	P	H
		5458.42	41	-13	54	30.32	31.7	9.12	30.14	149	279	A	H
	*	5710	101.54	-	-	90.58	31.87	9.35	30.26	149	279	P	H
	*	5710	93.86	-	-	82.9	31.87	9.35	30.26	149	279	A	H
		5914	51.64	-16.56	68.2	40.03	32.33	9.65	30.37	149	279	P	H
		5441.26	50.89	-23.11	74	40.23	31.67	9.12	30.13	100	342	P	V
		5468.95	48.75	-19.45	68.2	38.07	31.7	9.12	30.14	100	342	P	V
		5452.57	42.87	-11.13	54	32.19	31.7	9.12	30.14	100	342	A	V
	*	5710	104.99	-	-	94.03	31.87	9.35	30.26	100	342	P	V
	*	5710	97.07	-	-	86.11	31.87	9.35	30.26	100	342	A	V
		5864.75	51.89	-16.31	68.2	40.41	32.23	9.59	30.34	100	342	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	49.83	-24.17	74	57	40.03	13.96	61.16	100	0	P	H
		17130	48.62	-19.58	68.2	50.02	40.53	17.71	59.64	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	49.9	-24.1	74	57.07	40.03	13.96	61.16	400	0	P	V
5710MHz		17130	48.64	-19.56	68.2	50.04	40.53	17.71	59.64	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 VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5395.24	49.6	-24.4	74	39.03	31.6	9.1	30.13	152	279	P	H
		5466.61	49.34	-18.86	68.2	38.66	31.7	9.12	30.14	152	279	P	H
		5448.67	41.23	-12.77	54	30.54	31.7	9.12	30.13	152	279	A	H
	*	5690	98.05	-	-	87.18	31.8	9.32	30.25	152	279	P	H
	*	5690	90.45	-	-	79.58	31.8	9.32	30.25	152	279	A	H
		5914	50.94	-17.26	68.2	39.33	32.33	9.65	30.37	152	279	P	H
		5428	49.66	-24.34	74	39.04	31.63	9.12	30.13	245	44	P	V
		5465.83	49.8	-18.4	68.2	39.12	31.7	9.12	30.14	245	44	P	V
		5452.57	42.11	-11.89	54	31.43	31.7	9.12	30.14	245	44	A	V
	*	5690	101.17	-	-	90.3	31.8	9.32	30.25	245	44	P	V
	*	5690	93.55	-	-	82.68	31.8	9.32	30.25	245	44	A	V
		5886.1	50.48	-17.72	68.2	38.95	32.27	9.62	30.36	245	44	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.56	-26.44	74	54.84	39.97	13.99	61.24	100	0	P	H
		17070	49.48	-18.72	68.2	51.08	40.5	17.62	59.72	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	47.58	-26.42	74	54.86	39.97	13.99	61.24	100	0	P	V
5690MHz		17070	49.93	-18.27	68.2	51.53	40.5	17.62	59.72	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		82.92	27.61	-12.39	40	45.23	13.72	1.2	32.54	-	-	P	H
		134.76	34.42	-9.08	43.5	48.01	17.44	1.47	32.5	100	0	P	H
		268.68	24.79	-21.21	46	35.75	19.4	2.16	32.52	-	-	P	H
		500.2	28.22	-17.78	46	34.09	23.95	2.75	32.57	-	-	P	H
		676.6	29	-17	46	31.8	26.46	3.19	32.45	-	-	P	H
		904.1	33.7	-12.3	46	32.45	29.14	3.73	31.62	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		69.96	33.64	-6.36	40	52.91	12.19	1.1	32.56	100	0	P	V
		135.03	29.77	-13.73	43.5	43.36	17.44	1.47	32.5	-	-	P	V
		272.46	26.24	-19.76	46	37.41	19.19	2.17	32.53	-	-	P	V
		421.1	27.53	-18.47	46	34.88	22.67	2.53	32.55	-	-	P	V
		664.7	29.63	-16.37	46	32.57	26.37	3.16	32.47	-	-	P	V
		664.7	29.63	-16.37	46	32.57	26.37	3.16	32.47	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5145.86	65.19	-8.81	74	54.86	31.8	8.63	30.1	100	331	P	H
		5150	47.54	-6.46	54	37.2	31.8	8.64	30.1	100	331	A	H
	*	5180	113.88	-	-	103.66	31.67	8.65	30.1	100	331	P	H
	*	5180	105.75	-	-	95.53	31.67	8.65	30.1	100	331	A	H
													H
													H
		5145.86	57.24	-16.76	74	46.91	31.8	8.63	30.1	100	77	P	V
		5148.72	42.87	-11.13	54	32.54	31.8	8.63	30.1	100	77	A	V
	*	5180	108.77	-	-	98.55	31.67	8.65	30.1	100	77	P	V
	*	5180	100.83	-	-	90.61	31.67	8.65	30.1	100	77	A	V
													V
													V
802.11a CH 44 5220MHz		5147.16	56.37	-17.63	74	46.04	31.8	8.63	30.1	100	332	P	H
		5149.76	43.54	-10.46	54	33.21	31.8	8.63	30.1	100	332	A	H
	*	5220	112.89	-	-	102.77	31.53	8.7	30.11	100	332	P	H
	*	5220	105.06	-	-	94.94	31.53	8.7	30.11	100	332	A	H
		5364.52	50.5	-23.5	74	40.12	31.47	9.03	30.12	100	332	P	H
		5376.28	41.86	-12.14	54	31.46	31.47	9.06	30.13	100	332	A	H
		5148.46	53.09	-20.91	74	42.76	31.8	8.63	30.1	108	74	P	V
		5150	41.31	-12.69	54	30.97	31.8	8.64	30.1	108	74	A	V
	*	5220	109.88	-	-	99.76	31.53	8.7	30.11	108	74	P	V
	*	5220	102.14	-	-	92.02	31.53	8.7	30.11	108	74	A	V
		5435.36	50.28	-23.72	74	39.62	31.67	9.12	30.13	108	74	P	V
		5358.92	41.21	-12.79	54	30.91	31.4	9.02	30.12	108	74	A	V

802.11a CH 48 5240MHz		5137.54	52.44	-21.56	74	42.08	31.83	8.63	30.1	100	332	P	H
		5147.94	41.97	-12.03	54	31.64	31.8	8.63	30.1	100	332	A	H
	*	5240	112.84	-	-	102.73	31.47	8.75	30.11	100	332	P	H
	*	5240	105.01	-	-	94.9	31.47	8.75	30.11	100	332	A	H
		5350	53.01	-20.99	74	42.73	31.4	9	30.12	100	332	P	H
		5351.92	42.28	-11.72	54	32	31.4	9	30.12	100	332	A	H
		5132.34	49.81	-24.19	74	39.45	31.83	8.63	30.1	100	72	P	V
		5148.46	40.79	-13.21	54	30.46	31.8	8.63	30.1	100	72	A	V
	*	5240	110.33	-	-	100.22	31.47	8.75	30.11	100	72	P	V
	*	5240	102.07	-	-	91.96	31.47	8.75	30.11	100	72	A	V
		5355.28	50.32	-23.68	74	40.03	31.4	9.01	30.12	100	72	P	V
		5354.72	41.41	-12.59	54	31.12	31.4	9.01	30.12	100	72	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	46.75	-21.45	68.2	55.4	39.37	13.33	61.35	100	0	P	H
		15540	45.55	-28.45	74	53.39	37.93	16.67	62.44	100	0	P	H
													H
													H
		10360	46.07	-22.13	68.2	54.72	39.37	13.33	61.35	100	0	P	V
		15540	46.12	-27.88	74	53.96	37.93	16.67	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.71	-21.49	68.2	55.29	39.53	13.38	61.49	100	0	P	H
		15660	44.36	-29.64	74	52.28	37.45	16.87	62.24	100	0	P	H
													H
													H
		10440	46.23	-21.97	68.2	54.81	39.53	13.38	61.49	100	0	P	V
		15660	45.47	-28.53	74	53.39	37.45	16.87	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	47.36	-20.84	68.2	55.94	39.58	13.4	61.56	100	0	P	H
		15720	46.23	-27.77	74	54.13	37.3	16.95	62.15	100	0	P	H
													H
													H
		10480	46.26	-21.94	68.2	54.84	39.58	13.4	61.56	100	0	P	V
		15720	45.77	-28.23	74	53.67	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (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)
		5139.62	68.02	-5.98	74	57.69	31.8	8.63	30.1	100	9	P	H
		5150	49.92	-4.08	54	39.58	31.8	8.64	30.1	100	9	A	H
	*	5180	113.84	-	-	103.62	31.67	8.65	30.1	100	9	P	H
	*	5180	105.82	-	-	95.6	31.67	8.65	30.1	100	9	A	H
802.11n													H
HT20													H
CH 36		5148.46	57.67	-16.33	74	47.34	31.8	8.63	30.1	249	3	P	V
5180MHz		5148.46	42.53	-11.47	54	32.2	31.8	8.63	30.1	249	3	A	V
	*	5180	104.54	-	-	94.32	31.67	8.65	30.1	249	3	P	V
	*	5180	96.36	-	-	86.14	31.67	8.65	30.1	249	3	A	V
													V
													V
		5144.3	57.39	-16.61	74	47.06	31.8	8.63	30.1	100	8	P	H
		5149.5	44.13	-9.87	54	33.8	31.8	8.63	30.1	100	8	A	H
	*	5220	113.8	-	-	103.68	31.53	8.7	30.11	100	8	P	H
	*	5220	105.89	-	-	95.77	31.53	8.7	30.11	100	8	A	H
802.11n		5383.84	53.07	-20.93	74	42.6	31.53	9.07	30.13	100	8	P	H
HT20		5351.36	42.89	-11.11	54	32.61	31.4	9	30.12	100	8	A	H
CH 44		5148.98	51.95	-22.05	74	41.62	31.8	8.63	30.1	121	81	P	V
5220MHz		5149.76	41.63	-12.37	54	31.3	31.8	8.63	30.1	121	81	A	V
	*	5220	110.26	-	-	100.14	31.53	8.7	30.11	121	81	P	V
	*	5220	102.33	-	-	92.21	31.53	8.7	30.11	121	81	A	V
		5377.12	51.18	-22.82	74	40.78	31.47	9.06	30.13	121	81	P	V
		5375.44	41.65	-12.35	54	31.26	31.47	9.05	30.13	121	81	A	V

		5148.46	52.35	-21.65	74	42.02	31.8	8.63	30.1	100	8	P	H
		5150	42.76	-11.24	54	32.42	31.8	8.64	30.1	100	8	A	H
	*	5240	113.82	-	-	103.71	31.47	8.75	30.11	100	8	P	H
	*	5240	105.64	-	-	95.53	31.47	8.75	30.11	100	8	A	H
802.11n		5390.28	51.98	-22.02	74	41.49	31.53	9.09	30.13	100	8	P	H
HT20		5350.24	43.28	-10.72	54	33	31.4	9	30.12	100	8	A	H
CH 48		5059.8	52.32	-21.68	74	41.92	31.9	8.59	30.09	134	80	P	V
5240MHz		5149.76	41.19	-12.81	54	30.86	31.8	8.63	30.1	134	80	A	V
	*	5240	110.89	-	-	100.78	31.47	8.75	30.11	134	80	P	V
	*	5240	103.03	-	-	92.92	31.47	8.75	30.11	134	80	A	V
		5376	51.49	-22.51	74	41.09	31.47	9.06	30.13	134	80	P	V
		5357.8	42.3	-11.7	54	32	31.4	9.02	30.12	134	80	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 Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	45.71	-22.49	68.2	54.36	39.37	13.33	61.35	100	0	P	H
		15540	45.69	-28.31	74	53.53	37.93	16.67	62.44	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	46.43	-21.77	68.2	55.08	39.37	13.33	61.35	100	0	P	V
5180MHz		15540	45.21	-28.79	74	53.05	37.93	16.67	62.44	100	0	P	V
													V
													V
		10440	46.6	-21.6	68.2	55.18	39.53	13.38	61.49	100	0	P	H
		15660	45.44	-28.56	74	53.36	37.45	16.87	62.24	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	47.57	-20.63	68.2	56.15	39.53	13.38	61.49	100	0	P	V
5220MHz		15660	45.31	-28.69	74	53.23	37.45	16.87	62.24	100	0	P	V
													V
													V
		10480	46.73	-21.47	68.2	55.31	39.58	13.4	61.56	100	0	P	H
		15720	45.42	-28.58	74	53.32	37.3	16.95	62.15	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	46.61	-21.59	68.2	55.19	39.58	13.4	61.56	100	0	P	V
5240MHz		15720	46.26	-27.74	74	54.16	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (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)
802.11n HT40 CH 38 5190MHz		5149.5	65.72	-8.28	74	55.39	31.8	8.63	30.1	100	8	P	H
		5149.24	51.74	-2.26	54	41.41	31.8	8.63	30.1	100	8	A	H
	*	5190	109.94	-	-	99.72	31.67	8.65	30.1	100	8	P	H
	*	5190	101.73	-	-	91.51	31.67	8.65	30.1	100	8	A	H
		5352.76	51.05	-22.95	74	40.77	31.4	9	30.12	100	8	P	H
		5357.24	42.8	-11.2	54	32.51	31.4	9.01	30.12	100	8	A	H
		5142.22	56.86	-17.14	74	46.53	31.8	8.63	30.1	112	77	P	V
		5148.46	44.55	-9.45	54	34.22	31.8	8.63	30.1	112	77	A	V
	*	5190	102.76	-	-	92.54	31.67	8.65	30.1	112	77	P	V
	*	5190	94.76	-	-	84.54	31.67	8.65	30.1	112	77	A	V
		5378.24	49.93	-24.07	74	39.47	31.53	9.06	30.13	112	77	P	V
		5357.52	41.67	-12.33	54	31.38	31.4	9.01	30.12	112	77	A	V
802.11n HT40 CH 46 5230MHz		5143.52	58.79	-15.21	74	48.46	31.8	8.63	30.1	100	8	P	H
		5150	46.39	-7.61	54	36.05	31.8	8.64	30.1	100	8	A	H
	*	5230	110.9	-	-	100.81	31.47	8.73	30.11	100	8	P	H
	*	5230	103.33	-	-	93.24	31.47	8.73	30.11	100	8	A	H
		5359.2	57	-17	74	46.7	31.4	9.02	30.12	100	8	P	H
		5351.36	45.24	-8.76	54	34.96	31.4	9	30.12	100	8	A	H
		5143.52	53.71	-20.29	74	43.38	31.8	8.63	30.1	141	80	P	V
		5146.64	42.14	-11.86	54	31.81	31.8	8.63	30.1	141	80	A	V
	*	5230	107.76	-	-	97.67	31.47	8.73	30.11	141	80	P	V
	*	5230	100.18	-	-	90.09	31.47	8.73	30.11	141	80	A	V
		5352.48	52.59	-21.41	74	42.31	31.4	9	30.12	141	80	P	V
		5351.36	43.5	-10.5	54	33.22	31.4	9	30.12	141	80	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 Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	46.08	-22.12	68.2	54.69	39.43	13.34	61.38	100	0	P	H
		15570	45.24	-28.76	74	53.13	37.77	16.73	62.39	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	45.95	-22.25	68.2	54.56	39.43	13.34	61.38	100	0	P	V
5190MHz		15570	45.58	-28.42	74	53.47	37.77	16.73	62.39	100	0	P	V
													V
													V
		10460	47.39	-20.81	68.2	55.98	39.55	13.39	61.53	100	0	P	H
		15690	44.88	-29.12	74	52.81	37.35	16.92	62.2	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	46.25	-21.95	68.2	54.84	39.55	13.39	61.53	100	0	P	V
5230MHz		15690	45.35	-28.65	74	53.28	37.35	16.92	62.2	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5150	60.47	-13.53	74	50.13	31.8	8.64	30.1	100	8	P	H
		5149.76	51.33	-2.67	54	41	31.8	8.63	30.1	100	8	A	H
	*	5210	106.5	-	-	96.4	31.53	8.68	30.11	100	8	P	H
	*	5210	98.69	-	-	88.59	31.53	8.68	30.11	100	8	A	H
		5353.04	52.21	-21.79	74	41.93	31.4	9	30.12	100	8	P	H
		5353.88	43.3	-10.7	54	33.01	31.4	9.01	30.12	100	8	A	H
		5140.66	53.07	-20.93	74	42.74	31.8	8.63	30.1	106	71	P	V
		5145.86	44.47	-9.53	54	34.14	31.8	8.63	30.1	106	71	A	V
	*	5210	100.67	-	-	90.57	31.53	8.68	30.11	106	71	P	V
	*	5210	92.42	-	-	82.32	31.53	8.68	30.11	106	71	A	V
		5454.96	50.09	-23.91	74	39.41	31.7	9.12	30.14	106	71	P	V
		5356.68	42.02	-11.98	54	31.73	31.4	9.01	30.12	106	71	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	47.5	-20.7	68.2	56.08	39.52	13.36	61.46	100	0	P	H
		15630	44.34	-29.66	74	52.31	37.5	16.82	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	47.17	-21.03	68.2	55.75	39.52	13.36	61.46	100	0	P	V
5210MHz		15630	45.51	-28.49	74	53.48	37.5	16.82	62.29	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5144.5	50.92	-23.08	74	40.59	31.8	8.63	30.1	100	9	P	H
		5147.56	41.48	-12.52	54	31.15	31.8	8.63	30.1	100	9	A	H
	*	5260	115.68	-	-	105.59	31.4	8.8	30.11	100	9	P	H
	*	5260	107.98	-	-	97.89	31.4	8.8	30.11	100	9	A	H
		5350.32	56.52	-17.48	74	46.24	31.4	9	30.12	100	9	P	H
		5350.08	44.32	-9.68	54	34.04	31.4	9	30.12	100	9	A	H
		5090.1	48.56	-25.44	74	38.14	31.9	8.61	30.09	251	91	P	V
		5059.5	40.22	-13.78	54	29.82	31.9	8.59	30.09	251	91	A	V
	*	5260	109.71	-	-	99.62	31.4	8.8	30.11	251	91	P	V
	*	5260	101.81	-	-	91.72	31.4	8.8	30.11	251	91	A	V
		5407.68	50.47	-23.53	74	39.89	31.6	9.11	30.13	251	91	P	V
		5362.8	41.39	-12.61	54	31.01	31.47	9.03	30.12	251	91	A	V
802.11a CH 60 5300MHz		5081.6	50.64	-23.36	74	40.23	31.9	8.6	30.09	100	8	P	H
		5065.28	41.46	-12.54	54	31.06	31.9	8.59	30.09	100	8	A	H
	*	5300	113.01	-	-	102.84	31.4	8.89	30.12	100	8	P	H
	*	5300	105.32	-	-	95.15	31.4	8.89	30.12	100	8	A	H
		5353.44	56.05	-17.95	74	45.76	31.4	9.01	30.12	100	8	P	H
		5350.08	46.73	-7.27	54	36.45	31.4	9	30.12	100	8	A	H
		5106.42	50.19	-23.81	74	39.8	31.87	8.61	30.09	140	75	P	V
		5103.02	41.02	-12.98	54	30.6	31.9	8.61	30.09	140	75	A	V
	*	5300	110.58	-	-	100.41	31.4	8.89	30.12	140	75	P	V
	*	5300	102.88	-	-	92.71	31.4	8.89	30.12	140	75	A	V
		5355.84	53.02	-20.98	74	42.73	31.4	9.01	30.12	140	75	P	V
		5354.16	44.57	-9.43	54	34.28	31.4	9.01	30.12	140	75	A	V

802.11a CH 64 5320MHz	*	5320	116.4	-	-	106.19	31.4	8.93	30.12	100	8	P	H
	*	5320	108.55	-	-	98.34	31.4	8.93	30.12	100	8	A	H
		5353.12	69.76	-4.24	74	59.48	31.4	9	30.12	100	8	P	H
		5350.08	52.58	-1.42	54	42.3	31.4	9	30.12	100	8	A	H
													H
													H
	*	5320	110.29	-	-	100.08	31.4	8.93	30.12	247	85	P	V
	*	5320	112.88	-	-	102.67	31.4	8.93	30.12	247	85	A	V
		5352.64	64.47	-9.53	74	54.19	31.4	9	30.12	247	85	P	V
		5351.68	47.27	-6.73	54	36.99	31.4	9	30.12	247	85	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	47.34	-20.86	68.2	55.92	39.63	13.41	61.62	100	0	P	H
		15780	45.95	-28.05	74	53.67	37.3	17.03	62.05	100	0	P	H
													H
													H
		10520	47.42	-20.78	68.2	56	39.63	13.41	61.62	100	0	P	V
		15780	45.91	-28.09	74	53.63	37.3	17.03	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	46.74	-27.26	74	55.22	39.8	13.4	61.68	100	0	P	H
		15900	45.85	-28.15	74	53.52	37	17.19	61.86	100	0	P	H
													H
													H
		10600	47.09	-26.91	74	55.57	39.8	13.4	61.68	100	0	P	V
		15900	46.15	-27.85	74	53.82	37	17.19	61.86	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.09	-26.91	74	55.6	39.8	13.4	61.71	100	0	P	H
		15960	45.69	-28.31	74	53.35	36.93	17.17	61.76	100	0	P	H
													H
													H
		10640	47.27	-26.73	74	55.78	39.8	13.4	61.71	100	0	P	V
		15960	44.91	-29.09	74	52.57	36.93	17.17	61.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (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)
		5144.84	50.84	-23.16	74	40.51	31.8	8.63	30.1	100	9	P	H
		5149.94	41.23	-12.77	54	30.9	31.8	8.63	30.1	100	9	A	H
	*	5260	115.83	-	-	105.74	31.4	8.8	30.11	100	9	P	H
	*	5260	107.68	-	-	97.59	31.4	8.8	30.11	100	9	A	H
802.11n		5355.36	53.9	-20.1	74	43.61	31.4	9.01	30.12	100	9	P	H
HT20		5350.56	44.24	-9.76	54	33.96	31.4	9	30.12	100	9	A	H
CH 52		5031.62	48.82	-25.18	74	38.52	31.8	8.58	30.08	250	92	P	V
5260MHz		5065.96	40.12	-13.88	54	29.72	31.9	8.59	30.09	250	92	A	V
	*	5260	109.47	-	-	99.38	31.4	8.8	30.11	250	92	P	V
	*	5260	101.39	-	-	91.3	31.4	8.8	30.11	250	92	A	V
		5371.68	51.04	-22.96	74	40.64	31.47	9.05	30.12	250	92	P	V
		5362.08	41.22	-12.78	54	30.85	31.47	9.02	30.12	250	92	A	V
		5040.8	51.16	-22.84	74	40.76	31.9	8.58	30.08	103	6	P	H
		5081.94	41.49	-12.51	54	31.08	31.9	8.6	30.09	103	6	A	H
	*	5300	113.36	-	-	103.19	31.4	8.89	30.12	103	6	P	H
	*	5300	105.35	-	-	95.18	31.4	8.89	30.12	103	6	A	H
802.11n		5350.8	63.74	-10.26	74	53.46	31.4	9	30.12	103	6	P	H
HT20		5352.96	46.53	-7.47	54	36.25	31.4	9	30.12	103	6	A	H
CH 60		5044.54	50.12	-23.88	74	39.73	31.9	8.58	30.09	142	82	P	V
5300MHz		5100.3	40.97	-13.03	54	30.55	31.9	8.61	30.09	142	82	A	V
	*	5300	110.92	-	-	100.75	31.4	8.89	30.12	142	82	P	V
	*	5300	102.93	-	-	92.76	31.4	8.89	30.12	142	82	A	V
		5350.32	61.31	-12.69	74	51.03	31.4	9	30.12	142	82	P	V
		5351.28	44.61	-9.39	54	34.33	31.4	9	30.12	142	82	A	V

	*	5320	112.48	-	-	102.27	31.4	8.93	30.12	100	6	P	H
	*	5320	104.66	-	-	94.45	31.4	8.93	30.12	100	6	A	H
		5354.08	66.44	-7.56	74	56.15	31.4	9.01	30.12	100	6	P	H
		5351.36	48.43	-5.57	54	38.15	31.4	9	30.12	100	6	A	H
802.11n													H
HT20													H
CH 64	*	5320	110.13	-	-	99.92	31.4	8.93	30.12	150	83	P	V
5320MHz	*	5320	101.86	-	-	91.65	31.4	8.93	30.12	150	83	A	V
		5354.4	63.41	-10.59	74	53.12	31.4	9.01	30.12	150	83	P	V
		5352.32	46.36	-7.64	54	36.08	31.4	9	30.12	150	83	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 Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	47.46	-20.74	68.2	56.04	39.63	13.41	61.62	100	0	P	H
		15780	45.92	-28.08	74	53.64	37.3	17.03	62.05	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	48.07	-20.13	68.2	56.65	39.63	13.41	61.62	100	0	P	V
5260MHz		15780	45.81	-28.19	74	53.53	37.3	17.03	62.05	100	0	P	V
													V
													V
		10600	47.37	-26.63	74	55.85	39.8	13.4	61.68	100	0	P	H
		15900	44.98	-29.02	74	52.65	37	17.19	61.86	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	46.88	-27.12	74	55.36	39.8	13.4	61.68	100	0	P	V
5300MHz		15900	45.06	-28.94	74	52.73	37	17.19	61.86	100	0	P	V
													V
													V
		10640	46.64	-27.36	74	55.15	39.8	13.4	61.71	100	0	P	H
		15960	44.03	-29.97	74	51.69	36.93	17.17	61.76	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	48.07	-25.93	74	56.58	39.8	13.4	61.71	100	0	P	V
5320MHz		15960	44.64	-29.36	74	52.3	36.93	17.17	61.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (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)
802.11n HT40 CH 54 5270MHz		5141.44	51.2	-22.8	74	40.87	31.8	8.63	30.1	100	7	P	H
		5138.72	42.41	-11.59	54	32.05	31.83	8.63	30.1	100	7	A	H
	*	5270	110.1	-	-	99.99	31.4	8.82	30.11	100	7	P	H
	*	5270	102.42	-	-	92.31	31.4	8.82	30.11	100	7	A	H
		5352.24	61.03	-12.97	74	50.75	31.4	9	30.12	100	7	P	H
		5352.72	47.3	-6.7	54	37.02	31.4	9	30.12	100	7	A	H
		5149.6	51.46	-22.54	74	41.13	31.8	8.63	30.1	131	82	P	V
		5133.96	41.51	-12.49	54	31.15	31.83	8.63	30.1	131	82	A	V
	*	5270	107.96	-	-	97.85	31.4	8.82	30.11	131	82	P	V
	*	5270	100.28	-	-	90.17	31.4	8.82	30.11	131	82	A	V
		5352.48	59.43	-14.57	74	49.15	31.4	9	30.12	131	82	P	V
		5352.24	45.31	-8.69	54	35.03	31.4	9	30.12	131	82	A	V
802.11n HT40 CH 62 5310MHz		5059.84	51.59	-22.41	74	41.19	31.9	8.59	30.09	100	7	P	H
		5128.86	41.47	-12.53	54	31.12	31.83	8.62	30.1	100	7	A	H
	*	5310	108.23	-	-	98.04	31.4	8.91	30.12	100	7	P	H
	*	5310	99.96	-	-	89.77	31.4	8.91	30.12	100	7	A	H
		5358.24	64.99	-9.01	74	54.69	31.4	9.02	30.12	100	7	P	H
		5350.56	52.64	-1.36	54	42.36	31.4	9	30.12	100	7	A	H
		5036.72	50.61	-23.39	74	40.31	31.8	8.58	30.08	122	76	P	V
		5107.44	41.1	-12.9	54	30.71	31.87	8.61	30.09	122	76	A	V
	*	5310	103.34	-	-	93.15	31.4	8.91	30.12	122	76	P	V
	*	5310	95.61	-	-	85.42	31.4	8.91	30.12	122	76	A	V
		5350.08	61.92	-12.08	74	51.64	31.4	9	30.12	122	76	P	V
		5350.08	49.58	-4.42	54	39.3	31.4	9	30.12	122	76	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 Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	46.09	-22.11	68.2	54.64	39.67	13.41	61.63	100	0	P	H
		15810	45.79	-28.21	74	53.41	37.3	17.08	62	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	46.89	-21.31	68.2	55.44	39.67	13.41	61.63	100	0	P	V
5270MHz		15810	44.67	-29.33	74	52.29	37.3	17.08	62	100	0	P	V
													V
													V
		10620	46.94	-27.06	74	55.43	39.8	13.41	61.7	100	0	P	H
		15930	45.64	-28.36	74	53.29	36.97	17.19	61.81	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	47.61	-26.39	74	56.1	39.8	13.41	61.7	100	0	P	V
5310MHz		15930	46.38	-27.62	74	54.03	36.97	17.19	61.81	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5073.1	50.97	-23.03	74	40.56	31.9	8.6	30.09	100	7	P	H
		5116.62	41.46	-12.54	54	31.06	31.87	8.62	30.09	100	7	A	H
	*	5290	103.59	-	-	93.44	31.4	8.86	30.11	100	7	P	H
	*	5290	95.89	-	-	85.74	31.4	8.86	30.11	100	7	A	H
		5352.72	61.89	-12.11	74	51.61	31.4	9	30.12	100	7	P	H
		5351.76	52.49	-1.51	54	42.21	31.4	9	30.12	100	7	A	H
		5067.32	51.16	-22.84	74	40.76	31.9	8.59	30.09	121	70	P	V
		5135.66	41.06	-12.94	54	30.7	31.83	8.63	30.1	121	70	A	V
	*	5290	99.27	-	-	89.12	31.4	8.86	30.11	121	70	P	V
	*	5290	91.85	-	-	81.7	31.4	8.86	30.11	121	70	A	V
		5355.12	58.52	-15.48	74	48.23	31.4	9.01	30.12	121	70	P	V
		5353.92	48.29	-5.71	54	38	31.4	9.01	30.12	121	70	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.28	-21.92	68.2	54.76	39.77	13.41	61.66	100	0	P	H
		15870	46.45	-27.55	74	54.14	37.06	17.16	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	47.37	-20.83	68.2	55.85	39.77	13.41	61.66	100	0	P	V
5290MHz		15870	44.51	-29.49	74	52.2	37.06	17.16	61.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5459.98	63.44	-10.56	74	52.76	31.7	9.12	30.14	100	12	P	H
		5465.2	66.26	-1.94	68.2	55.58	31.7	9.12	30.14	100	12	P	H
		5458.96	47.02	-6.98	54	36.34	31.7	9.12	30.14	100	12	A	H
	*	5500	114.99	-	-	104.3	31.7	9.13	30.14	100	12	P	H
	*	5500	107.28	-	-	96.59	31.7	9.13	30.14	100	12	A	H
													H
		5458	58.34	-15.66	74	47.66	31.7	9.12	30.14	247	77	P	V
		5464.08	60.19	-8.01	68.2	49.51	31.7	9.12	30.14	247	77	P	V
		5459.44	43.38	-10.62	54	32.7	31.7	9.12	30.14	247	77	A	V
	*	5500	110.74	-	-	100.05	31.7	9.13	30.14	247	77	P	V
	*	5500	102.7	-	-	92.01	31.7	9.13	30.14	247	77	A	V
													V
802.11a CH 116 5580MHz		5413.84	52.82	-21.18	74	42.21	31.63	9.11	30.13	100	31	P	H
		5468.08	51.79	-16.41	68.2	41.11	31.7	9.12	30.14	100	31	P	H
		5459.44	41.79	-12.21	54	31.11	31.7	9.12	30.14	100	31	A	H
	*	5580	116.43	-	-	105.67	31.8	9.15	30.19	100	31	P	H
	*	5580	108.23	-	-	97.47	31.8	9.15	30.19	100	31	A	H
		5760.59	52.4	-15.8	68.2	41.17	32.07	9.45	30.29	100	31	P	H
		5442.64	50.32	-23.68	74	39.66	31.67	9.12	30.13	283	82	P	V
		5468.08	50.39	-17.81	68.2	39.71	31.7	9.12	30.14	283	82	P	V
		5429.2	40.78	-13.22	54	30.12	31.67	9.12	30.13	283	82	A	V
	*	5580	111.49	-	-	100.73	31.8	9.15	30.19	283	82	P	V
	*	5580	103.25	-	-	92.49	31.8	9.15	30.19	283	82	A	V
		5764.37	50.52	-17.68	68.2	39.29	32.07	9.45	30.29	283	82	P	V

802.11a CH 140 5700MHz	*	5700	112.54	-	-	101.65	31.8	9.34	30.25	100	30	P	H
	*	5700	104.57	-	-	93.68	31.8	9.34	30.25	100	30	A	H
		5739.16	55.32	-12.88	68.2	44.18	32	9.41	30.27	100	30	P	H
													H
													H
													H
	*	5700	108.39	-	-	97.5	31.8	9.34	30.25	100	54	P	V
	*	5700	100.58	-	-	89.69	31.8	9.34	30.25	100	54	A	V
		5726.6	54.04	-14.16	68.2	42.99	31.93	9.38	30.26	100	54	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	48.51	-25.49	74	56.67	40.4	13.44	62	100	0	P	H
		16500	46.74	-21.46	68.2	50.53	38.6	17.21	59.6	100	0	P	H
													H
													H
		11000	48.97	-25.03	74	57.13	40.4	13.44	62	100	0	P	V
		16500	47.83	-20.37	68.2	51.62	38.6	17.21	59.6	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.91	-25.09	74	56.99	39.93	13.67	61.68	100	0	P	H
		16740	48.97	-19.23	68.2	51.41	39.78	17.48	59.7	100	0	P	H
													H
													H
		11160	49.4	-24.6	74	57.48	39.93	13.67	61.68	100	0	P	V
		16740	50.05	-18.15	68.2	52.49	39.78	17.48	59.7	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	48.62	-25.38	74	55.85	40	13.97	61.2	100	0	P	H
		17100	49.55	-18.65	68.2	51.07	40.5	17.66	59.68	100	0	P	H
													H
													H
		11400	49.6	-24.4	74	56.83	40	13.97	61.2	100	0	P	V
		17100	48.83	-19.37	68.2	50.35	40.5	17.66	59.68	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 Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.52	62.7	-11.3	74	52.02	31.7	9.12	30.14	100	13	P	H
		5469.84	64.94	-3.26	68.2	54.26	31.7	9.12	30.14	100	13	P	H
		5460	45.91	-8.09	54	35.23	31.7	9.12	30.14	100	13	A	H
	*	5500	112.97	-	-	102.28	31.7	9.13	30.14	100	13	P	H
802.11n	*	5500	105.34	-	-	94.65	31.7	9.13	30.14	100	13	A	H
HT20													H
CH 100		5459.44	58.44	-15.56	74	47.76	31.7	9.12	30.14	276	77	P	V
5500MHz		5469.84	59.23	-8.97	68.2	48.55	31.7	9.12	30.14	276	77	P	V
		5459.28	42.53	-11.47	54	31.85	31.7	9.12	30.14	276	77	A	V
	*	5500	109.5	-	-	98.81	31.7	9.13	30.14	276	77	P	V
	*	5500	101.39	-	-	90.7	31.7	9.13	30.14	276	77	A	V
													V
		5456.32	51.14	-22.86	74	40.46	31.7	9.12	30.14	100	16	P	H
		5464	51.67	-16.53	68.2	40.99	31.7	9.12	30.14	100	16	P	H
		5458.96	41.63	-12.37	54	30.95	31.7	9.12	30.14	100	16	A	H
	*	5580	114.81	-	-	104.05	31.8	9.15	30.19	100	16	P	H
802.11n	*	5580	106.88	-	-	96.12	31.8	9.15	30.19	100	16	A	H
HT20		5749.88	50.84	-17.36	68.2	39.68	32	9.43	30.27	100	16	P	H
CH 116		5459.44	50.7	-23.3	74	40.02	31.7	9.12	30.14	231	81	P	V
5580MHz		5460	49.59	-18.61	68.2	38.91	31.7	9.12	30.14	231	81	P	V
		5459.68	40.89	-13.11	54	30.21	31.7	9.12	30.14	231	81	A	V
	*	5580	109.8	-	-	99.04	31.8	9.15	30.19	231	81	P	V
	*	5580	101.81	-	-	91.05	31.8	9.15	30.19	231	81	A	V
		5739.485	49.24	-18.96	68.2	38.1	32	9.41	30.27	231	81	P	V

	*	5700	111.89	-	-	101	31.8	9.34	30.25	100	25	P	H
	*	5700	103.86	-	-	92.97	31.8	9.34	30.25	100	25	A	H
		5726.2	66.17	-2.03	68.2	55.12	31.93	9.38	30.26	100	25	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	107.96	-	-	97.07	31.8	9.34	30.25	272	78	P	V
5700MHz	*	5700	100.57	-	-	89.68	31.8	9.34	30.25	272	78	A	V
		5731.48	62.43	-5.77	68.2	51.38	31.93	9.39	30.27	272	78	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 Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	48.28	-25.72	74	56.44	40.4	13.44	62	100	0	P	H
		16500	45.96	-22.24	68.2	49.75	38.6	17.21	59.6	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	47.63	-26.37	74	55.79	40.4	13.44	62	100	0	P	V
5500MHz		16500	46.79	-21.41	68.2	50.58	38.6	17.21	59.6	100	0	P	V
													V
													V
		11160	48.44	-25.56	74	56.52	39.93	13.67	61.68	100	0	P	H
		16740	47.35	-20.85	68.2	49.79	39.78	17.48	59.7	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	48.8	-25.2	74	56.88	39.93	13.67	61.68	100	0	P	V
5580MHz		16740	48.1	-20.1	68.2	50.54	39.78	17.48	59.7	100	0	P	V
													V
													V
		11400	49.08	-24.92	74	56.31	40	13.97	61.2	100	0	P	H
		17100	48.95	-19.25	68.2	50.47	40.5	17.66	59.68	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	52.76	-21.24	74	59.99	40	13.97	61.2	339	1	P	V
5700MHz		11400	42.54	-11.46	54	49.77	40	13.97	61.2	339	1	A	V
		17100	48.37	-19.83	68.2	49.89	40.5	17.66	59.68	100	0	P	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 Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.6	64.8	-9.2	74	54.12	31.7	9.12	30.14	100	16	P	H
		5469.76	65.94	-2.26	68.2	55.26	31.7	9.12	30.14	100	16	P	H
		5455.36	49.06	-4.94	54	38.38	31.7	9.12	30.14	100	16	A	H
	*	5510	109.16	-	-	98.48	31.7	9.13	30.15	100	16	P	H
802.11n	*	5510	101.29	-	-	90.61	31.7	9.13	30.15	100	16	A	H
HT40		5735.705	51.16	-17.04	68.2	40.03	32	9.4	30.27	100	16	P	H
CH 102		5452.72	60.66	-13.34	74	49.98	31.7	9.12	30.14	247	81	P	V
5510MHz		5469.04	63.29	-4.91	68.2	52.61	31.7	9.12	30.14	247	81	P	V
		5455.36	46.81	-7.19	54	36.13	31.7	9.12	30.14	247	81	A	V
	*	5510	105.06	-	-	94.38	31.7	9.13	30.15	247	81	P	V
	*	5510	97.83	-	-	87.15	31.7	9.13	30.15	247	81	A	V
		5730.35	50.45	-17.75	68.2	39.4	31.93	9.39	30.27	247	81	P	V
		5450.56	54.55	-19.45	74	43.87	31.7	9.12	30.14	100	15	P	H
		5466.16	58.12	-10.08	68.2	47.44	31.7	9.12	30.14	100	15	P	H
		5459.68	44.74	-9.26	54	34.06	31.7	9.12	30.14	100	15	A	H
	*	5550	108.93	-	-	98.16	31.8	9.14	30.17	100	15	P	H
802.11n	*	5550	101.28	-	-	90.51	31.8	9.14	30.17	100	15	A	H
HT40		5742.32	50.49	-17.71	68.2	39.35	32	9.41	30.27	100	15	P	H
CH 110		5458.48	52.84	-21.16	74	42.16	31.7	9.12	30.14	258	79	P	V
5550MHz		5467.84	53.57	-14.63	68.2	42.89	31.7	9.12	30.14	258	79	P	V
		5456.8	42.68	-11.32	54	32	31.7	9.12	30.14	258	79	A	V
	*	5550	105.58	-	-	94.81	31.8	9.14	30.17	258	79	P	V
	*	5550	97.66	43.66	54	86.89	31.8	9.14	30.17	258	79	A	V
		5763.425	50.53	-17.67	68.2	39.3	32.07	9.45	30.29	258	79	P	V

		5380.1	51.13	-22.87	74	40.66	31.53	9.07	30.13	100	24	P	H
		5463.4	51.8	-16.4	68.2	41.12	31.7	9.12	30.14	100	24	P	H
		5457.1	42.42	-11.58	54	31.74	31.7	9.12	30.14	100	24	A	H
	*	5670	108.6	-	-	97.8	31.75	9.28	30.23	100	24	P	H
802.11n	*	5670	100.78	-	-	89.98	31.75	9.28	30.23	100	24	A	H
HT40		5729.3	63.79	-4.41	68.2	52.73	31.93	9.39	30.26	100	24	P	H
CH 134		5437.85	50.87	-23.13	74	40.21	31.67	9.12	30.13	139	68	P	V
5670MHz		5463.05	50.41	-17.79	68.2	39.73	31.7	9.12	30.14	139	68	P	V
		5405.3	42.21	-11.79	54	31.63	31.6	9.11	30.13	139	68	A	V
	*	5670	104.4	-	-	93.6	31.75	9.28	30.23	139	68	P	V
	*	5670	96.64	-	-	85.84	31.75	9.28	30.23	139	68	A	V
		5729.3	59.79	-8.41	68.2	48.73	31.93	9.39	30.26	139	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 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.98	-26.02	74	56.14	40.33	13.47	61.96	100	0	P	H
		16530	46.6	-21.6	68.2	50.27	38.7	17.24	59.61	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	47.89	-26.11	74	56.05	40.33	13.47	61.96	100	0	P	V
5510MHz		16530	46.54	-21.66	68.2	50.21	38.7	17.24	59.61	100	0	P	V
													V
													V
		11100	47.32	-26.68	74	55.59	40	13.53	61.8	100	0	P	H
		16650	47.72	-20.48	68.2	50.77	39.2	17.41	59.66	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	48.67	-25.33	74	56.94	40	13.53	61.8	100	0	P	V
5550MHz		16650	46.94	-21.26	68.2	49.99	39.2	17.41	59.66	100	0	P	V
													V
													V
		11340	47.86	-26.14	74	55.31	39.87	14	61.32	100	0	P	H
		17010	50.56	-17.64	68.2	52.31	40.5	17.54	59.79	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	48.81	-25.19	74	56.26	39.87	14	61.32	100	0	P	V
5670MHz		17010	48.73	-19.47	68.2	50.48	40.5	17.54	59.79	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5454.64	61.21	-12.79	74	50.53	31.7	9.12	30.14	100	25	P	H
		5464.96	63.37	-4.83	68.2	52.69	31.7	9.12	30.14	100	25	P	H
		5456.8	48.35	-5.65	54	37.67	31.7	9.12	30.14	100	25	A	H
	*	5530	106.28	-	-	95.58	31.73	9.14	30.17	100	25	P	H
802.11ac	*	5530	98.39	-	-	87.69	31.73	9.14	30.17	100	25	A	H
VHT80		5755.55	51.83	-16.37	68.2	40.59	32.07	9.44	30.27	100	25	P	H
CH 106		5456.8	55.91	-18.09	74	45.23	31.7	9.12	30.14	150	74	P	V
5530MHz		5463.52	58.12	-10.08	68.2	47.44	31.7	9.12	30.14	150	74	P	V
		5453.92	45.4	-8.6	54	34.72	31.7	9.12	30.14	150	74	A	V
	*	5530	102.53	-	-	91.83	31.73	9.14	30.17	150	74	P	V
	*	5530	94.31	-	-	83.61	31.73	9.14	30.17	150	74	A	V
		5745.47	50.3	-17.9	68.2	39.15	32	9.42	30.27	150	74	P	V
		5451.52	52.02	-21.98	74	41.34	31.7	9.12	30.14	100	26	P	H
		5462.8	51.22	-16.98	68.2	40.54	31.7	9.12	30.14	100	26	P	H
		5456.08	42.95	-11.05	54	32.27	31.7	9.12	30.14	100	26	A	H
	*	5610	105.97	-	-	95.21	31.8	9.17	30.21	100	26	P	H
802.11ac	*	5610	98.38	-	-	87.62	31.8	9.17	30.21	100	26	A	H
VHT80		5753.66	51.89	-16.31	68.2	40.66	32.07	9.43	30.27	100	26	P	H
CH 122		5443.84	50.12	-23.88	74	39.46	31.67	9.12	30.13	237	70	P	V
5610MHz		5469.28	50.82	-17.38	68.2	40.14	31.7	9.12	30.14	237	70	P	V
		5449.36	42.16	-11.84	54	31.47	31.7	9.12	30.13	237	70	A	V
	*	5610	102.01	-	-	91.25	31.8	9.17	30.21	237	70	P	V
	*	5610	94.1	-	-	83.34	31.8	9.17	30.21	237	70	A	V
		5739.8	50.79	-17.41	68.2	39.65	32	9.41	30.27	237	70	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	48.53	-25.47	74	56.78	40.13	13.5	61.88	100	0	P	H
		16590	46.76	-21.44	68.2	50.23	38.85	17.32	59.64	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.54	-26.46	74	55.79	40.13	13.5	61.88	100	0	P	V
5530MHz		16590	47.49	-20.71	68.2	50.96	38.85	17.32	59.64	100	0	P	V
													V
													V
		11220	47.48	-26.52	74	55.33	39.88	13.83	61.56	100	0	P	H
		16830	48.54	-19.66	68.2	50.59	40.2	17.48	59.73	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	48.31	-25.69	74	56.16	39.88	13.83	61.56	100	0	P	V
5610MHz		16830	48.04	-20.16	68.2	50.09	40.2	17.48	59.73	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5387.83	50.31	-23.69	74	39.83	31.53	9.08	30.13	100	29	P	H
		5465.83	49.85	-18.35	68.2	39.17	31.7	9.12	30.14	100	29	P	H
		5457.64	41.42	-12.58	54	30.74	31.7	9.12	30.14	100	29	A	H
	*	5720	112.3	-	-	101.26	31.93	9.37	30.26	100	29	P	H
	*	5720	104.41	-	-	93.37	31.93	9.37	30.26	100	29	A	H
		5861.25	52.11	-16.09	68.2	40.63	32.23	9.59	30.34	100	29	P	H
		5404.6	50.63	-23.37	74	40.05	31.6	9.11	30.13	100	58	P	V
		5461.93	50	-18.2	68.2	39.32	31.7	9.12	30.14	100	58	P	V
		5458.81	41.05	-12.95	54	30.37	31.7	9.12	30.14	100	58	A	V
	*	5720	108.8	-	-	97.76	31.93	9.37	30.26	100	58	P	V
	*	5720	100.84	-	-	89.8	31.93	9.37	30.26	100	58	A	V
		5895.5	53.38	-14.82	68.2	41.81	32.3	9.63	30.36	100	58	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	48.26	-25.74	74	55.37	40.07	13.94	61.12	100	0	P	H
		17160	48.46	-19.74	68.2	49.74	40.57	17.76	59.61	100	0	P	H
													H
													H
		11440	53.15	-20.85	74	60.26	40.07	13.94	61.12	307	5	P	V
		11440	42.01	-11.99	54	49.12	40.07	13.94	61.12	307	5	A	V
		17160	48.74	-19.46	68.2	50.02	40.57	17.76	59.61	100	0	P	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 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)
802.11n HT20 CH 144 5720MHz		5420.98	51.42	-22.58	74	40.81	31.63	9.11	30.13	100	23	P	H
		5465.05	49.64	-18.56	68.2	38.96	31.7	9.12	30.14	100	23	P	H
		5422.93	41.29	-12.71	54	30.68	31.63	9.11	30.13	100	23	A	H
	*	5720	111.11	-	-	100.07	31.93	9.37	30.26	100	23	P	H
	*	5720	103.59	-	-	92.55	31.93	9.37	30.26	100	23	A	H
		5855.25	52.17	-16.03	68.2	40.69	32.23	9.58	30.33	100	23	P	H
		5432.29	50.44	-23.56	74	39.78	31.67	9.12	30.13	271	84	P	V
		5463.49	49.21	-18.99	68.2	38.53	31.7	9.12	30.14	271	84	P	V
		5446.72	41.14	-12.86	54	30.45	31.7	9.12	30.13	271	84	A	V
	*	5720	108.43	-	-	97.39	31.93	9.37	30.26	271	84	P	V
	*	5720	100.47	-	-	89.43	31.93	9.37	30.26	271	84	A	V
		5888	52.2	-16	68.2	40.64	32.3	9.62	30.36	271	84	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	49.2	-24.8	74	56.31	40.07	13.94	61.12	100	0	P	H
		17160	48.35	-19.85	68.2	49.63	40.57	17.76	59.61	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	52.44	-21.56	74	59.55	40.07	13.94	61.12	314	4	P	V
5720MHz		11440	42.51	-11.49	54	49.62	40.07	13.94	61.12	314	4	A	V
		17160	48.49	-19.71	68.2	49.77	40.57	17.76	59.61	100	0	P	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 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)
802.11n HT40 CH 142 5710MHz		5378.47	50.93	-23.07	74	40.47	31.53	9.06	30.13	100	24	P	H
		5469.73	50.18	-18.02	68.2	39.5	31.7	9.12	30.14	100	24	P	H
		5456.47	42.39	-11.61	54	31.71	31.7	9.12	30.14	100	24	A	H
	*	5710	109.38	-	-	98.42	31.87	9.35	30.26	100	24	P	H
	*	5710	101.6	-	-	90.64	31.87	9.35	30.26	100	24	A	H
		5909	53.19	-15.01	68.2	41.58	32.33	9.65	30.37	100	24	P	H
		5435.8	50.81	-23.19	74	40.15	31.67	9.12	30.13	104	67	P	V
		5466.22	49.79	-18.41	68.2	39.11	31.7	9.12	30.14	104	67	P	V
		5427.22	41.96	-12.04	54	31.34	31.63	9.12	30.13	104	67	A	V
	*	5710	105.39	-	-	94.43	31.87	9.35	30.26	104	67	P	V
	*	5710	97.77	-	-	86.81	31.87	9.35	30.26	104	67	A	V
		5870	53.09	-15.11	68.2	41.6	32.23	9.6	30.34	104	67	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	48.46	-25.54	74	55.63	40.03	13.96	61.16	100	0	P	H
		17130	50.52	-17.68	68.2	51.92	40.53	17.71	59.64	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	49.93	-24.07	74	57.1	40.03	13.96	61.16	100	0	P	V
5710MHz		17130	49.23	-18.97	68.2	50.63	40.53	17.71	59.64	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 VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5404.6	50.87	-23.13	74	40.29	31.6	9.11	30.13	100	25	P	H
		5469.34	51.62	-16.58	68.2	40.94	31.7	9.12	30.14	100	25	P	H
		5455.3	42.26	-11.74	54	31.58	31.7	9.12	30.14	100	25	A	H
	*	5690	106.1	-	-	95.23	31.8	9.32	30.25	100	25	P	H
	*	5690	98.27	-	-	87.4	31.8	9.32	30.25	100	25	A	H
		5873.5	52.09	-16.11	68.2	40.56	32.27	9.6	30.34	100	25	P	H
		5383.15	50.71	-23.29	74	40.24	31.53	9.07	30.13	150	67	P	V
		5467	48.64	-19.56	68.2	37.96	31.7	9.12	30.14	150	67	P	V
		5438.53	41.97	-12.03	54	31.31	31.67	9.12	30.13	150	67	A	V
	*	5690	102.3	-	-	91.43	31.8	9.32	30.25	150	67	P	V
	*	5690	94.02	-	-	83.15	31.8	9.32	30.25	150	67	A	V
		5923.9	52.35	-15.85	68.2	40.69	32.37	9.66	30.37	150	67	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.95	-26.05	74	55.23	39.97	13.99	61.24	100	0	P	H
		17070	49	-19.2	68.2	50.6	40.5	17.62	59.72	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	48.03	-25.97	74	55.31	39.97	13.99	61.24	100	0	P	V
5690MHz		17070	48.79	-19.41	68.2	50.39	40.5	17.62	59.72	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		84	28.61	-11.39	40	46.1	13.84	1.12	32.54	-	-	P	H
		134.22	34.05	-9.45	43.5	47.66	17.43	1.39	32.5	-	-	P	H
		291.09	41.91	-4.09	46	53.19	19.04	2.04	32.54	100	0	P	H
		324.5	40.24	-5.76	46	50.95	19.61	2.14	32.54	-	-	P	H
		608.7	38	-8	46	41.76	25.75	2.93	32.58	-	-	P	H
		947.5	34.38	-11.62	46	31.07	30.68	3.63	31.25	-	-	P	H
													H
													H
													H
													H
													H
													H
		69.15	34.56	-5.44	40	53.93	12.1	1.01	32.56	100	0	P	V
		134.49	28.32	-15.18	43.5	41.92	17.44	1.39	32.5	-	-	P	V
		274.62	26.03	-19.97	46	37.29	19.09	1.98	32.53	-	-	P	V
		423.2	28.19	-17.81	46	35.5	22.7	2.46	32.55	-	-	P	V
		657.7	28.53	-17.47	46	31.53	26.33	3	32.48	-	-	P	V
		954.5	33.79	-12.21	46	30.22	30.86	3.65	31.19	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	60.13	-13.87	74	49.79	31.8	8.64	30.1	100	8	P	H
		5149.76	51.49	-2.51	54	41.16	31.8	8.63	30.1	100	8	A	H
	*	5180	117.89	-	-	107.67	31.67	8.65	30.1	100	8	P	H
	*	5180	110.44	-	-	100.22	31.67	8.65	30.1	100	8	A	H
													H
													H
		5147.42	56.35	-17.65	74	46.02	31.8	8.63	30.1	120	81	P	V
		5147.68	44.66	-9.34	54	34.33	31.8	8.63	30.1	120	81	A	V
	*	5180	113.42	-	-	103.2	31.67	8.65	30.1	120	81	P	V
	*	5180	105.4	-	-	95.18	31.67	8.65	30.1	120	81	A	V
													V
													V
802.11a CH 44 5220MHz		5146.9	52.13	-21.87	74	41.8	31.8	8.63	30.1	264	303	P	H
		5145.86	43.62	-10.38	54	33.29	31.8	8.63	30.1	264	303	A	H
	*	5220	118.26	-	-	108.14	31.53	8.7	30.11	264	303	P	H
	*	5220	110.16	-	-	100.04	31.53	8.7	30.11	264	303	A	H
		5356.4	52.51	-21.49	74	42.22	31.4	9.01	30.12	264	303	P	H
		5376	44.34	-9.66	54	33.94	31.47	9.06	30.13	264	303	A	H
		5036.14	50.77	-23.23	74	40.47	31.8	8.58	30.08	141	84	P	V
		5145.6	41.39	-12.61	54	31.06	31.8	8.63	30.1	141	84	A	V
	*	5220	112.73	-	-	102.61	31.53	8.7	30.11	141	84	P	V
	*	5220	104.64	-	-	94.52	31.53	8.7	30.11	141	84	A	V
		5374.88	50.18	-23.82	74	39.79	31.47	9.05	30.13	141	84	P	V
		5452.72	41.84	-12.16	54	31.16	31.7	9.12	30.14	141	84	A	V

802.11a CH 48 5240MHz		5149.76	55.43	-18.57	74	45.1	31.8	8.63	30.1	262	303	P	H
		5145.6	42.7	-11.3	54	32.37	31.8	8.63	30.1	262	303	A	H
	*	5240	118.09	-	-	107.98	31.47	8.75	30.11	262	303	P	H
	*	5240	110.17	-	-	100.06	31.47	8.75	30.11	262	303	A	H
		5352.2	55.22	-18.78	74	44.94	31.4	9	30.12	262	303	P	H
		5376	44.62	-9.38	54	34.22	31.47	9.06	30.13	262	303	A	H
		5139.62	50.58	-23.42	74	40.25	31.8	8.63	30.1	144	82	P	V
		5077.74	40.88	-13.12	54	30.47	31.9	8.6	30.09	144	82	A	V
	*	5240	112.84	-	-	102.73	31.47	8.75	30.11	144	82	P	V
	*	5240	104.98	-	-	94.87	31.47	8.75	30.11	144	82	A	V
		5438.44	51.8	-22.2	74	41.14	31.67	9.12	30.13	144	82	P	V
		5352.2	42.16	-11.84	54	31.88	31.4	9	30.12	144	82	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	46.25	-21.95	68.2	54.9	39.37	13.33	61.35	100	0	P	H
		15540	45.74	-28.26	74	53.58	37.93	16.67	62.44	100	0	P	H
													H
													H
		10360	46.29	-21.91	68.2	54.94	39.37	13.33	61.35	100	0	P	V
		15540	45.26	-28.74	74	53.1	37.93	16.67	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.3	-21.9	68.2	54.88	39.53	13.38	61.49	100	0	P	H
		15660	45.26	-28.74	74	53.18	37.45	16.87	62.24	100	0	P	H
													H
													H
		10440	46.25	-21.95	68.2	54.83	39.53	13.38	61.49	100	0	P	V
		15660	45.6	-28.4	74	53.52	37.45	16.87	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.38	-21.82	68.2	54.96	39.58	13.4	61.56	100	0	P	H
		15720	45.06	-28.94	74	52.96	37.3	16.95	62.15	100	0	P	H
													H
													H
		10480	46.27	-21.93	68.2	54.85	39.58	13.4	61.56	100	0	P	V
		15720	45.76	-28.24	74	53.66	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.24	72.81	-1.19	74	62.48	31.8	8.63	30.1	100	8	P	H
		5144.56	52.12	-1.88	54	41.79	31.8	8.63	30.1	100	8	A	H
	*	5180	119.4	-	-	109.18	31.67	8.65	30.1	100	8	P	H
	*	5180	111.57	-	-	101.35	31.67	8.65	30.1	100	8	A	H
802.11n													H
HT20													H
CH 36		5149.24	64.39	-9.61	74	54.06	31.8	8.63	30.1	366	81	P	V
5180MHz		5149.76	45.57	-8.43	54	35.24	31.8	8.63	30.1	366	81	A	V
	*	5180	113.49	-	-	103.27	31.67	8.65	30.1	366	81	P	V
	*	5180	105.44	-	-	95.22	31.67	8.65	30.1	366	81	A	V
													V
													V
		5147.94	58.97	-15.03	74	48.64	31.8	8.63	30.1	261	302	P	H
		5146.64	43.86	-10.14	54	33.53	31.8	8.63	30.1	261	302	A	H
	*	5220	117.39	-	-	107.27	31.53	8.7	30.11	261	302	P	H
	*	5220	109.33	-	-	99.21	31.53	8.7	30.11	261	302	A	H
802.11n		5351.08	52.57	-21.43	74	42.29	31.4	9	30.12	261	302	P	H
HT20		5376	44.48	-9.52	54	34.08	31.47	9.06	30.13	261	302	A	H
CH 44		5049.92	51.42	-22.58	74	41.03	31.9	8.58	30.09	100	81	P	V
5220MHz		5149.76	41.31	-12.69	54	30.98	31.8	8.63	30.1	100	81	A	V
	*	5220	112.05	-	-	101.93	31.53	8.7	30.11	100	81	P	V
	*	5220	103.46	-	-	93.34	31.53	8.7	30.11	100	81	A	V
		5441.52	51.33	-22.67	74	40.67	31.67	9.12	30.13	100	81	P	V
		5376.28	41.91	-12.09	54	31.51	31.47	9.06	30.13	100	81	A	V

		5146.64	54.64	-19.36	74	44.31	31.8	8.63	30.1	267	302	P	H
		5145.6	42.79	-11.21	54	32.46	31.8	8.63	30.1	267	302	A	H
	*	5240	118.3	-	-	108.19	31.47	8.75	30.11	267	302	P	H
	*	5240	110.06	-	-	99.95	31.47	8.75	30.11	267	302	A	H
802.11n		5358.64	52.97	-21.03	74	42.67	31.4	9.02	30.12	267	302	P	H
HT20		5376	44.61	-9.39	54	34.21	31.47	9.06	30.13	267	302	A	H
CH 48		5024.18	52.04	-21.96	74	41.75	31.8	8.57	30.08	144	81	P	V
5240MHz		5068.64	41.05	-12.95	54	30.65	31.9	8.59	30.09	144	81	A	V
	*	5240	114.02	-	-	103.91	31.47	8.75	30.11	144	81	P	V
	*	5240	105.95	-	-	95.84	31.47	8.75	30.11	144	81	A	V
		5350.8	54.68	-19.32	74	44.4	31.4	9	30.12	144	81	P	V
		5350.52	42.24	-11.76	54	31.96	31.4	9	30.12	144	81	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	46.65	-21.55	68.2	55.3	39.37	13.33	61.35	100	0	P	H
		15540	45.49	-28.51	74	53.33	37.93	16.67	62.44	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	46.55	-21.65	68.2	55.2	39.37	13.33	61.35	100	0	P	V
5180MHz		15540	45.8	-28.2	74	53.64	37.93	16.67	62.44	100	0	P	V
													V
													V
		10440	46.39	-21.81	68.2	54.97	39.53	13.38	61.49	100	0	P	H
		15660	44.66	-29.34	74	52.58	37.45	16.87	62.24	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	45.73	-22.47	68.2	54.31	39.53	13.38	61.49	100	0	P	V
5220MHz		15660	46.13	-27.87	74	54.05	37.45	16.87	62.24	100	0	P	V
													V
													V
		10480	46.14	-22.06	68.2	54.72	39.58	13.4	61.56	100	0	P	H
		15720	45.4	-28.6	74	53.3	37.3	16.95	62.15	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	46.12	-22.08	68.2	54.7	39.58	13.4	61.56	100	0	P	V
5240MHz		15720	46.29	-27.71	74	54.19	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5142.74	63.6	-10.4	74	53.27	31.8	8.63	30.1	112	8	P	H
		5150	51.64	-2.36	54	41.3	31.8	8.64	30.1	112	8	A	H
	*	5190	113.85	-	-	103.63	31.67	8.65	30.1	112	8	P	H
	*	5190	106.32	-	-	96.1	31.67	8.65	30.1	112	8	A	H
802.11n		5414.36	51.96	-22.04	74	41.35	31.63	9.11	30.13	112	8	P	H
HT40		5353.04	43.45	-10.55	54	33.17	31.4	9	30.12	112	8	A	H
CH 38		5147.16	54.04	-19.96	74	43.71	31.8	8.63	30.1	112	77	P	V
5190MHz		5143.26	43.35	-10.65	54	33.02	31.8	8.63	30.1	112	77	A	V
	*	5190	107.23	-	-	97.01	31.67	8.65	30.1	112	77	P	V
	*	5190	99.04	-	-	88.82	31.67	8.65	30.1	112	77	A	V
		5448.24	50.13	-23.87	74	39.44	31.7	9.12	30.13	112	77	P	V
		5376	42.24	-11.76	54	31.84	31.47	9.06	30.13	112	77	A	V
		5147.22	56.88	-17.12	74	46.55	31.8	8.63	30.1	261	301	P	H
		5148.58	44.95	-9.05	54	34.62	31.8	8.63	30.1	261	301	A	H
	*	5230	115.28	-	-	105.19	31.47	8.73	30.11	261	301	P	H
	*	5230	107.85	-	-	97.76	31.47	8.73	30.11	261	301	A	H
802.11n		5354.64	55.34	-18.66	74	45.05	31.4	9.01	30.12	261	301	P	H
HT40		5376.24	45.16	-8.84	54	34.76	31.47	9.06	30.13	261	301	A	H
CH 46		5135.66	52.65	-21.35	74	42.29	31.83	8.63	30.1	135	80	P	V
5230MHz		5142.46	42.01	-11.99	54	31.68	31.8	8.63	30.1	135	80	A	V
	*	5230	110.32	-	-	100.23	31.47	8.73	30.11	135	80	P	V
	*	5230	102.62	-	-	92.53	31.47	8.73	30.11	135	80	A	V
		5350.08	54.07	-19.93	74	43.79	31.4	9	30.12	135	80	P	V
		5351.04	43.2	-10.8	54	32.92	31.4	9	30.12	135	80	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	46.35	-21.85	68.2	54.96	39.43	13.34	61.38	100	0	P	H
		15570	45.27	-28.73	74	53.16	37.77	16.73	62.39	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	45.96	-22.24	68.2	54.57	39.43	13.34	61.38	100	0	P	V
5190MHz		15570	46.07	-27.93	74	53.96	37.77	16.73	62.39	100	0	P	V
													V
													V
		10460	45.46	-22.74	68.2	54.05	39.55	13.39	61.53	100	0	P	H
		15690	46.21	-27.79	74	54.14	37.35	16.92	62.2	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	46.23	-21.97	68.2	54.82	39.55	13.39	61.53	100	0	P	V
5230MHz		15690	45.87	-28.13	74	53.8	37.35	16.92	62.2	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5149.5	60.41	-13.59	74	50.08	31.8	8.63	30.1	100	7	P	H
		5148.46	51.93	-2.07	54	41.6	31.8	8.63	30.1	100	7	A	H
	*	5210	110.46	-	-	100.36	31.53	8.68	30.11	100	7	P	H
	*	5210	102.44	-	-	92.34	31.53	8.68	30.11	100	7	A	H
		5426.96	51.58	-22.42	74	40.96	31.63	9.12	30.13	100	7	P	H
		5376	44.19	-9.81	54	33.79	31.47	9.06	30.13	100	7	A	H
		5150	51.93	-22.07	74	41.59	31.8	8.64	30.1	119	75	P	V
		5148.72	44.63	-9.37	54	34.3	31.8	8.63	30.1	119	75	A	V
	*	5210	104.31	-	-	94.21	31.53	8.68	30.11	119	75	P	V
	*	5210	96.76	-	-	86.66	31.53	8.68	30.11	119	75	A	V
		5355.84	51.49	-22.51	74	41.2	31.4	9.01	30.12	119	75	P	V
		5375.72	42.21	-11.79	54	31.81	31.47	9.06	30.13	119	75	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	45.93	-22.27	68.2	54.51	39.52	13.36	61.46	100	0	P	H
		15630	46.23	-27.77	74	54.2	37.5	16.82	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	45.83	-22.37	68.2	54.41	39.52	13.36	61.46	100	0	P	V
5210MHz		15630	45.39	-28.61	74	53.36	37.5	16.82	62.29	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5132.94	50.78	-23.22	74	40.42	31.83	8.63	30.1	262	305	P	H
		5145.52	42.91	-11.09	54	32.58	31.8	8.63	30.1	262	305	A	H
	*	5260	118.59	-	-	108.5	31.4	8.8	30.11	262	305	P	H
	*	5260	110.66	-	-	100.57	31.4	8.8	30.11	262	305	A	H
		5351.52	60.96	-13.04	74	50.68	31.4	9	30.12	262	305	P	H
		5350.08	46.6	-7.4	54	36.32	31.4	9	30.12	262	305	A	H
		5078.88	50.56	-23.44	74	40.15	31.9	8.6	30.09	139	79	P	V
		5081.26	41.04	-12.96	54	30.63	31.9	8.6	30.09	139	79	A	V
	*	5260	113.19	-	-	103.1	31.4	8.8	30.11	139	79	P	V
	*	5260	105.19	-	-	95.1	31.4	8.8	30.11	139	79	A	V
		5382	51.75	-22.25	74	41.28	31.53	9.07	30.13	139	79	P	V
		5353.2	42.83	-11.17	54	32.55	31.4	9	30.12	139	79	A	V
802.11a CH 60 5300MHz		5116.28	51.13	-22.87	74	40.73	31.87	8.62	30.09	262	301	P	H
		5145.52	42.08	-11.92	54	31.75	31.8	8.63	30.1	262	301	A	H
	*	5300	118.38	-	-	108.21	31.4	8.89	30.12	262	301	P	H
	*	5300	110.42	-	-	100.25	31.4	8.89	30.12	262	301	A	H
		5357.04	66.7	-7.3	74	56.41	31.4	9.01	30.12	262	301	P	H
		5351.28	49.79	-4.21	54	39.51	31.4	9	30.12	262	301	A	H
		5052.02	50.2	-23.8	74	39.8	31.9	8.59	30.09	144	80	P	V
		5063.58	40.95	-13.05	54	30.55	31.9	8.59	30.09	144	80	A	V
	*	5300	113.06	-	-	102.89	31.4	8.89	30.12	144	80	P	V
	*	5300	105.15	-	-	94.98	31.4	8.89	30.12	144	80	A	V
		5358.72	56.15	-17.85	74	45.85	31.4	9.02	30.12	144	80	P	V
		5351.76	44.44	-9.56	54	34.16	31.4	9	30.12	144	80	A	V

802.11a CH 64 5320MHz	*	5320	117.36	-	-	107.15	31.4	8.93	30.12	263	302	P	H
	*	5320	109.58	-	-	99.37	31.4	8.93	30.12	263	302	A	H
		5355.52	70.85	-3.15	74	60.56	31.4	9.01	30.12	263	302	P	H
		5357.6	52.06	-1.94	54	41.77	31.4	9.01	30.12	263	302	A	H
													H
													H
	*	5320	112.85	-	-	102.64	31.4	8.93	30.12	140	81	P	V
	*	5320	105.08	-	-	94.87	31.4	8.93	30.12	140	81	A	V
		5360.8	60.91	-13.09	74	50.54	31.47	9.02	30.12	140	81	P	V
		5351.68	45.36	-8.64	54	35.08	31.4	9	30.12	140	81	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.15	-22.05	68.2	54.73	39.63	13.41	61.62	100	0	P	H
		15780	45.84	-28.16	74	53.56	37.3	17.03	62.05	100	0	P	H
													H
													H
		10520	45.5	-22.7	68.2	54.08	39.63	13.41	61.62	100	0	P	V
		15780	45.79	-28.21	74	53.51	37.3	17.03	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	46.84	-27.16	74	55.32	39.8	13.4	61.68	100	0	P	H
		15900	45.04	-28.96	74	52.71	37	17.19	61.86	100	0	P	H
													H
													H
		10600	47.06	-26.94	74	55.54	39.8	13.4	61.68	100	0	P	V
		15900	45.12	-28.88	74	52.79	37	17.19	61.86	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.2	-26.8	74	55.71	39.8	13.4	61.71	100	0	P	H
		15960	44.88	-29.12	74	52.54	36.93	17.17	61.76	100	0	P	H
													H
													H
		10640	47.06	-26.94	74	55.57	39.8	13.4	61.71	100	0	P	V
		15960	44.39	-29.61	74	52.05	36.93	17.17	61.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (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)
		5088.4	51.86	-22.14	74	41.45	31.9	8.6	30.09	267	301	P	H
		5145.52	42.33	-11.67	54	32	31.8	8.63	30.1	267	301	A	H
	*	5260	117.96	-	-	107.87	31.4	8.8	30.11	267	301	P	H
	*	5260	109.98	-	-	99.89	31.4	8.8	30.11	267	301	A	H
802.11n		5351.04	58.2	-15.8	74	47.92	31.4	9	30.12	267	301	P	H
HT20		5351.52	45.2	-8.8	54	34.92	31.4	9	30.12	267	301	A	H
CH 52		5079.56	51.72	-22.28	74	41.31	31.9	8.6	30.09	141	82	P	V
5260MHz		5145.18	41.03	-12.97	54	30.7	31.8	8.63	30.1	141	82	A	V
	*	5260	114.02	-	-	103.93	31.4	8.8	30.11	141	82	P	V
	*	5260	106.27	-	-	96.18	31.4	8.8	30.11	141	82	A	V
		5351.28	57.81	-16.19	74	47.53	31.4	9	30.12	141	82	P	V
		5350.32	43.09	-10.91	54	32.81	31.4	9	30.12	141	82	A	V
		5046.92	50.56	-23.44	74	40.17	31.9	8.58	30.09	260	301	P	H
		5145.52	42	-12	54	31.67	31.8	8.63	30.1	260	301	A	H
	*	5300	118.06	-	-	107.89	31.4	8.89	30.12	260	301	P	H
	*	5300	110.09	-	-	99.92	31.4	8.89	30.12	260	301	A	H
802.11n		5350.32	67.63	-6.37	74	57.35	31.4	9	30.12	260	301	P	H
HT20		5350.56	49.86	-4.14	54	39.58	31.4	9	30.12	260	301	A	H
CH 60		5091.8	51.03	-22.97	74	40.61	31.9	8.61	30.09	141	80	P	V
5300MHz		5097.92	41.07	-12.93	54	30.65	31.9	8.61	30.09	141	80	A	V
	*	5300	114.28	-	-	104.11	31.4	8.89	30.12	141	80	P	V
	*	5300	106.39	-	-	96.22	31.4	8.89	30.12	141	80	A	V
		5352.96	65.5	-8.5	74	55.22	31.4	9	30.12	141	80	P	V
		5350.32	47.55	-6.45	54	37.27	31.4	9	30.12	141	80	A	V

	*	5320	117.82	-	-	107.61	31.4	8.93	30.12	245	318	P	H
	*	5320	109.6	-	-	99.39	31.4	8.93	30.12	245	318	A	H
		5350.08	72.49	-1.51	74	62.21	31.4	9	30.12	245	318	P	H
		5352.96	52.5	-1.5	54	42.22	31.4	9	30.12	245	318	A	H
802.11n													H
HT20													H
CH 64	*	5320	113.17	-	-	102.96	31.4	8.93	30.12	138	81	P	V
5320MHz	*	5320	104.57	-	-	94.36	31.4	8.93	30.12	138	81	A	V
		5357.28	62.67	-11.33	74	52.38	31.4	9.01	30.12	138	81	P	V
		5351.84	47.19	-6.81	54	36.91	31.4	9	30.12	138	81	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	45.32	-22.88	68.2	53.9	39.63	13.41	61.62	100	0	P	H
		15780	45.17	-28.83	74	52.89	37.3	17.03	62.05	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	45.01	-23.19	68.2	53.59	39.63	13.41	61.62	100	0	P	V
5260MHz		15780	44.95	-29.05	74	52.67	37.3	17.03	62.05	100	0	P	V
													V
													V
		10600	46.38	-27.62	74	54.86	39.8	13.4	61.68	100	0	P	H
		15900	45.7	-28.3	74	53.37	37	17.19	61.86	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	45.72	-28.28	74	54.2	39.8	13.4	61.68	100	0	P	V
5300MHz		15900	45.25	-28.75	74	52.92	37	17.19	61.86	100	0	P	V
													V
													V
		10640	47.69	-26.31	74	56.2	39.8	13.4	61.71	100	0	P	H
		15960	44.86	-29.14	74	52.52	36.93	17.17	61.76	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	46.98	-27.02	74	55.49	39.8	13.4	61.71	100	0	P	V
5320MHz		15960	45.24	-28.76	74	52.9	36.93	17.17	61.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (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)
		5047.94	51.46	-22.54	74	41.07	31.9	8.58	30.09	266	302	P	H
		5145.86	42.6	-11.4	54	32.27	31.8	8.63	30.1	266	302	A	H
	*	5270	115.77	-	-	105.66	31.4	8.82	30.11	266	302	P	H
	*	5270	108.02	-	-	97.91	31.4	8.82	30.11	266	302	A	H
802.11n		5352.72	62.92	-11.08	74	52.64	31.4	9	30.12	266	302	P	H
HT40		5352	48.54	-5.46	54	38.26	31.4	9	30.12	266	302	A	H
CH 54		5148.92	50.05	-23.95	74	39.72	31.8	8.63	30.1	150	79	P	V
5270MHz		5099.62	41.63	-12.37	54	31.21	31.9	8.61	30.09	150	79	A	V
	*	5270	110.39	-	-	100.28	31.4	8.82	30.11	150	79	P	V
	*	5270	102.74	-	-	92.63	31.4	8.82	30.11	150	79	A	V
		5384.16	51.58	-22.42	74	41.11	31.53	9.07	30.13	150	79	P	V
		5352.24	43.88	-10.12	54	33.6	31.4	9	30.12	150	79	A	V
		5080.24	50.29	-23.71	74	39.88	31.9	8.6	30.09	103	6	P	H
		5145.52	41.93	-12.07	54	31.6	31.8	8.63	30.1	103	6	A	H
	*	5310	111.44	-	-	101.25	31.4	8.91	30.12	103	6	P	H
	*	5310	103.18	-	-	92.99	31.4	8.91	30.12	103	6	A	H
802.11n		5354.64	60.43	-13.57	74	50.14	31.4	9.01	30.12	103	6	P	H
HT40		5357.04	52.03	-1.97	54	41.74	31.4	9.01	30.12	103	6	A	H
CH 62		5115.94	50.13	-23.87	74	39.73	31.87	8.62	30.09	371	51	P	V
5310MHz		5073.78	41.6	-12.4	54	31.19	31.9	8.6	30.09	371	51	A	V
	*	5310	104.73	-	-	94.54	31.4	8.91	30.12	371	51	P	V
	*	5310	97.35	-	-	87.16	31.4	8.91	30.12	371	51	A	V
		5350.8	56.19	-17.81	74	45.91	31.4	9	30.12	371	51	P	V
		5350.08	48.3	-5.7	54	38.02	31.4	9	30.12	371	51	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	45.59	-22.61	68.2	54.14	39.67	13.41	61.63	100	0	P	H
		15810	46.39	-27.61	74	54.01	37.3	17.08	62	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	45.26	-22.94	68.2	53.81	39.67	13.41	61.63	100	0	P	V
5270MHz		15810	45.43	-28.57	74	53.05	37.3	17.08	62	100	0	P	V
													V
													V
		10620	46.15	-27.85	74	54.64	39.8	13.41	61.7	100	0	P	H
		15930	44.92	-29.08	74	52.57	36.97	17.19	61.81	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	46.99	-27.01	74	55.48	39.8	13.41	61.7	100	0	P	V
5310MHz		15930	45.18	-28.82	74	52.83	36.97	17.19	61.81	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5096.56	49.84	-24.16	74	39.42	31.9	8.61	30.09	100	6	P	H
		5112.88	41.78	-12.22	54	31.38	31.87	8.62	30.09	100	6	A	H
	*	5290	103.78	-	-	93.63	31.4	8.86	30.11	100	6	P	H
	*	5290	95.95	-	-	85.8	31.4	8.86	30.11	100	6	A	H
		5357.52	62.54	-11.46	74	52.25	31.4	9.01	30.12	100	6	P	H
		5359.2	52.76	-1.24	54	42.46	31.4	9.02	30.12	100	6	A	H
		5040.8	50.03	-23.97	74	39.63	31.9	8.58	30.08	394	67	P	V
		5086.02	41.47	-12.53	54	31.06	31.9	8.6	30.09	394	67	A	V
	*	5290	98.02	-	-	87.87	31.4	8.86	30.11	394	67	P	V
	*	5290	90.48	-	-	80.33	31.4	8.86	30.11	394	67	A	V
		5364.72	55.27	-18.73	74	44.89	31.47	9.03	30.12	394	67	P	V
		5363.04	45.91	-8.09	54	35.53	31.47	9.03	30.12	394	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.39	-21.81	68.2	54.87	39.77	13.41	61.66	100	0	P	H
		15870	44.87	-29.13	74	52.56	37.06	17.16	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	47.2	-21	68.2	55.68	39.77	13.41	61.66	100	0	P	V
5290MHz		15870	46.05	-27.95	74	53.74	37.06	17.16	61.91	100	0	P	V
													V
													V

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

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5451.6	57.52	-16.48	74	46.84	31.7	9.12	30.14	100	16	P	H
		5469.84	62.99	-5.21	68.2	52.31	31.7	9.12	30.14	100	16	P	H
		5459.6	50.14	-3.86	54	39.46	31.7	9.12	30.14	100	16	A	H
	*	5500	120.7	-	-	110.01	31.7	9.13	30.14	100	16	P	H
	*	5500	113.17	-	-	102.48	31.7	9.13	30.14	100	16	A	H
													H
		5450	54.08	-19.92	74	43.4	31.7	9.12	30.14	383	76	P	V
		5466.32	55.93	-12.27	68.2	45.25	31.7	9.12	30.14	383	76	P	V
		5456.08	44.85	-9.15	54	34.17	31.7	9.12	30.14	383	76	A	V
	*	5500	116.94	-	-	106.25	31.7	9.13	30.14	383	76	P	V
	*	5500	108.87	-	-	98.18	31.7	9.13	30.14	383	76	A	V
													V
802.11a CH 116 5580MHz		5452.72	53.26	-20.74	74	42.58	31.7	9.12	30.14	248	319	P	H
		5463.28	52.71	-15.49	68.2	42.03	31.7	9.12	30.14	248	319	P	H
		5452.72	45.12	-8.88	54	34.44	31.7	9.12	30.14	248	319	A	H
	*	5580	116.6	-	-	105.84	31.8	9.15	30.19	248	319	P	H
	*	5580	108.77	-	-	98.01	31.8	9.15	30.19	248	319	A	H
		5738.855	51.68	-16.52	68.2	40.54	32	9.41	30.27	248	319	P	H
		5428.24	51.55	-22.45	74	40.93	31.63	9.12	30.13	371	82	P	V
		5460	51.24	-16.96	68.2	40.56	31.7	9.12	30.14	371	82	P	V
		5452.72	42.61	-11.39	54	31.93	31.7	9.12	30.14	371	82	A	V
	*	5580	111.67	-	-	100.91	31.8	9.15	30.19	371	82	P	V
	*	5580	103.72	-	-	92.96	31.8	9.15	30.19	371	82	A	V
		5744.84	51.43	-16.77	68.2	40.28	32	9.42	30.27	371	82	P	V

802.11a CH 140 5700MHz	*	5700	115.85	-	-	104.96	31.8	9.34	30.25	100	16	P	H
	*	5700	108.62	-	-	97.73	31.8	9.34	30.25	100	16	A	H
		5727.16	66.69	-1.51	68.2	55.63	31.93	9.39	30.26	100	16	P	H
													H
													H
													H
	*	5700	111.33	-	-	100.44	31.8	9.34	30.25	400	47	P	V
	*	5700	103.75	-	-	92.86	31.8	9.34	30.25	400	47	A	V
		5733.4	62.01	-6.19	68.2	50.95	31.93	9.4	30.27	400	47	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.84	-26.16	74	56	40.4	13.44	62	100	0	P	H
		16500	46.95	-21.25	68.2	50.74	38.6	17.21	59.6	100	0	P	H
													H
													H
		11000	47.68	-26.32	74	55.84	40.4	13.44	62	100	0	P	V
		16500	46.33	-21.87	68.2	50.12	38.6	17.21	59.6	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	47.22	-26.78	74	55.3	39.93	13.67	61.68	100	0	P	H
		16740	47.66	-20.54	68.2	50.1	39.78	17.48	59.7	100	0	P	H
													H
													H
		11160	49.15	-24.85	74	57.23	39.93	13.67	61.68	100	0	P	V
		16740	47.48	-20.72	68.2	49.92	39.78	17.48	59.7	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	58.29	-15.71	74	65.52	40	13.97	61.2	225	9	P	H
		11400	48.16	-5.84	54	55.39	40	13.97	61.2	225	9	A	H
		17100	49.71	-18.49	68.2	51.23	40.5	17.66	59.68	100	0	P	H
													H
		11400	59.11	-14.89	74	66.34	40	13.97	61.2	315	1	P	V
		11400	50.16	-3.84	54	57.39	40	13.97	61.2	315	1	A	V
		17100	50.16	-18.04	68.2	51.68	40.5	17.66	59.68	100	0	P	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5454.64	60.75	-13.25	74	50.07	31.7	9.12	30.14	100	10	P	H
		5469.04	62.66	-5.54	68.2	51.98	31.7	9.12	30.14	100	10	P	H
		5457.36	48.63	-5.37	54	37.95	31.7	9.12	30.14	100	10	A	H
	*	5500	116.74	-	-	106.05	31.7	9.13	30.14	100	10	P	H
802.11n	*	5500	108.51	-	-	97.82	31.7	9.13	30.14	100	10	A	H
HT20													H
CH 100		5459.92	56.29	-17.71	74	45.61	31.7	9.12	30.14	382	79	P	V
5500MHz		5468.08	57.2	-11	68.2	46.52	31.7	9.12	30.14	382	79	P	V
		5455.76	45.14	-8.86	54	34.46	31.7	9.12	30.14	382	79	A	V
	*	5500	113.07	-	-	102.38	31.7	9.13	30.14	382	79	P	V
	*	5500	105.09	-	-	94.4	31.7	9.13	30.14	382	79	A	V
													V
		5426.8	51.48	-22.52	74	40.86	31.63	9.12	30.13	100	27	P	H
		5462.8	50.93	-17.27	68.2	40.25	31.7	9.12	30.14	100	27	P	H
		5452.96	44.38	-9.62	54	33.7	31.7	9.12	30.14	100	27	A	H
	*	5580	114.72	-	-	103.96	31.8	9.15	30.19	100	27	P	H
802.11n	*	5580	106.85	-	-	96.09	31.8	9.15	30.19	100	27	A	H
HT20		5756.18	50.84	-17.36	68.2	39.62	32.07	9.44	30.29	100	27	P	H
CH 116		5413.84	50.36	-23.64	74	39.75	31.63	9.11	30.13	128	77	P	V
5580MHz		5463.28	50.62	-17.58	68.2	39.94	31.7	9.12	30.14	128	77	P	V
		5452.72	41.54	-12.46	54	30.86	31.7	9.12	30.14	128	77	A	V
	*	5580	109.85	-	-	99.09	31.8	9.15	30.19	128	77	P	V
	*	5580	101.8	-	-	91.04	31.8	9.15	30.19	128	77	A	V
		5756.495	49.66	-18.54	68.2	38.44	32.07	9.44	30.29	128	77	P	V

	*	5700	117.32	-	-	106.43	31.8	9.34	30.25	100	16	P	H
	*	5700	108.91	-	-	98.02	31.8	9.34	30.25	100	16	A	H
		5730.52	66.32	-1.88	68.2	55.27	31.93	9.39	30.27	100	16	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	111.36	-	-	100.47	31.8	9.34	30.25	400	49	P	V
5700MHz	*	5700	103.5	-	-	92.61	31.8	9.34	30.25	400	49	A	V
		5727.8	61.93	-6.27	68.2	50.87	31.93	9.39	30.26	400	49	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	47.78	-26.22	74	55.94	40.4	13.44	62	100	0	P	H
		16500	47.7	-20.5	68.2	51.49	38.6	17.21	59.6	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	47.14	-26.86	74	55.3	40.4	13.44	62	100	0	P	V
5500MHz		16500	47.15	-21.05	68.2	50.94	38.6	17.21	59.6	100	0	P	V
													V
													V
		11160	48.29	-25.71	74	56.37	39.93	13.67	61.68	100	0	P	H
		16740	47.6	-20.6	68.2	50.04	39.78	17.48	59.7	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	49.98	-24.02	74	58.06	39.93	13.67	61.68	100	0	P	V
5580MHz		16740	48.07	-20.13	68.2	50.51	39.78	17.48	59.7	100	0	P	V
													V
													V
		11400	49.35	-24.65	74	56.58	40	13.97	61.2	100	0	P	H
		17100	48.94	-19.26	68.2	50.46	40.5	17.66	59.68	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	56.38	-17.62	74	63.61	40	13.97	61.2	298	360	P	V
5700MHz		11400	44.55	-9.45	54	51.78	40	13.97	61.2	298	360	A	V
		17100	48.95	-19.25	68.2	50.47	40.5	17.66	59.68	100	0	P	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.68	66.04	-7.96	74	55.36	31.7	9.12	30.14	100	28	P	H
		5470	66.56	-1.64	68.2	55.88	31.7	9.12	30.14	100	28	P	H
		5458.48	49.36	-4.64	54	38.68	31.7	9.12	30.14	100	28	A	H
	*	5510	113.82	-	-	103.14	31.7	9.13	30.15	100	28	P	H
802.11n	*	5510	105.86	-	-	95.18	31.7	9.13	30.15	100	28	A	H
HT40		5761.85	49.76	-18.44	68.2	38.53	32.07	9.45	30.29	100	28	P	H
CH 102		5456.08	58.68	-15.32	74	48	31.7	9.12	30.14	400	80	P	V
5510MHz		5464	59.88	-8.32	68.2	49.2	31.7	9.12	30.14	400	80	P	V
		5459.68	45.02	-8.98	54	34.34	31.7	9.12	30.14	400	80	A	V
	*	5510	109.05	-	-	98.37	31.7	9.13	30.15	400	80	P	V
	*	5510	101.2	-	-	90.52	31.7	9.13	30.15	400	80	A	V
		5748.935	49.52	-18.68	68.2	38.36	32	9.43	30.27	400	80	P	V
		5457.52	57.99	-16.01	74	47.31	31.7	9.12	30.14	100	16	P	H
		5465.92	60.87	-7.33	68.2	50.19	31.7	9.12	30.14	100	16	P	H
		5452.72	46.84	-7.16	54	36.16	31.7	9.12	30.14	100	16	A	H
	*	5550	113.82	-	-	103.05	31.8	9.14	30.17	100	16	P	H
802.11n	*	5550	105.9	-	-	95.13	31.8	9.14	30.17	100	16	A	H
HT40		5754.29	51.55	-16.65	68.2	40.31	32.07	9.44	30.27	100	16	P	H
CH 110		5455.12	52.33	-21.67	74	41.65	31.7	9.12	30.14	378	68	P	V
5550MHz		5467.6	53.09	-15.11	68.2	42.41	31.7	9.12	30.14	378	68	P	V
		5452.72	43.84	-10.16	54	33.16	31.7	9.12	30.14	378	68	A	V
	*	5550	108.18	-	-	97.41	31.8	9.14	30.17	378	68	P	V
	*	5550	100.66	-	-	89.89	31.8	9.14	30.17	378	68	A	V
		5735.075	52.46	-15.74	68.2	41.33	32	9.4	30.27	378	68	P	V

		5419.65	50.35	-23.65	74	39.74	31.63	9.11	30.13	100	28	P	H
		5466.55	50.4	-17.8	68.2	39.72	31.7	9.12	30.14	100	28	P	H
		5452.9	43.31	-10.69	54	32.63	31.7	9.12	30.14	100	28	A	H
	*	5670	115.56	-	-	104.76	31.75	9.28	30.23	100	28	P	H
802.11n	*	5670	107.62	-	-	96.82	31.75	9.28	30.23	100	28	A	H
HT40		5730.35	66.24	-1.96	68.2	55.19	31.93	9.39	30.27	100	28	P	H
CH 134		5437.85	49.73	-24.27	74	39.07	31.67	9.12	30.13	397	90	P	V
5670MHz		5468.65	49.78	-18.42	68.2	39.1	31.7	9.12	30.14	397	90	P	V
		5422.1	41.75	-12.25	54	31.14	31.63	9.11	30.13	397	90	A	V
	*	5670	110.83	-	-	100.03	31.75	9.28	30.23	397	90	P	V
	*	5670	102.82	-	-	92.02	31.75	9.28	30.23	397	90	A	V
		5730.525	57.19	-11.01	68.2	46.14	31.93	9.39	30.27	397	90	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.22	-26.78	74	55.38	40.33	13.47	61.96	100	0	P	H
		16530	45.17	-23.03	68.2	48.84	38.7	17.24	59.61	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	47.92	-26.08	74	56.08	40.33	13.47	61.96	100	0	P	V
5510MHz		16530	45.54	-22.66	68.2	49.21	38.7	17.24	59.61	100	0	P	V
													V
													V
		11100	47.89	-26.11	74	56.16	40	13.53	61.8	100	0	P	H
		16650	46.87	-21.33	68.2	49.92	39.2	17.41	59.66	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	48.27	-25.73	74	56.54	40	13.53	61.8	100	0	P	V
5550MHz		16650	47.04	-21.16	68.2	50.09	39.2	17.41	59.66	100	0	P	V
													V
													V
		11340	49.91	-24.09	74	57.36	39.87	14	61.32	100	0	P	H
		17010	47.92	-20.28	68.2	49.67	40.5	17.54	59.79	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	54.29	-19.71	74	61.74	39.87	14	61.32	293	1	P	V
5670MHz		11340	45.72	-8.28	54	53.17	39.87	14	61.32	293	1	A	V
		17010	47.03	-21.17	68.2	48.78	40.5	17.54	59.79	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458	59.18	-14.82	74	48.5	31.7	9.12	30.14	100	18	P	H
		5460.4	60.23	-7.97	68.2	49.55	31.7	9.12	30.14	100	18	P	H
		5458.72	52.53	-1.47	54	41.85	31.7	9.12	30.14	100	18	A	H
	*	5530	104.65	-	-	93.95	31.73	9.14	30.17	100	18	P	H
802.11ac	*	5530	96.62	-	-	85.92	31.73	9.14	30.17	100	18	A	H
VHT80		5752.4	50.91	-17.29	68.2	39.68	32.07	9.43	30.27	100	18	P	H
CH 106		5459.68	53.21	-20.79	74	42.53	31.7	9.12	30.14	400	86	P	V
5530MHz		5466.4	55.26	-12.94	68.2	44.58	31.7	9.12	30.14	400	86	P	V
		5457.52	46.84	-7.16	54	36.16	31.7	9.12	30.14	400	86	A	V
	*	5530	100.17	-	-	89.47	31.73	9.14	30.17	400	86	P	V
	*	5530	92.34	-	-	81.64	31.73	9.14	30.17	400	86	A	V
		5755.235	49.07	-19.13	68.2	37.83	32.07	9.44	30.27	400	86	P	V
		5414.08	52.18	-21.82	74	41.57	31.63	9.11	30.13	100	29	P	H
		5464.72	52.32	-15.88	68.2	41.64	31.7	9.12	30.14	100	29	P	H
		5452.96	45.74	-8.26	54	35.06	31.7	9.12	30.14	100	29	A	H
	*	5610	111.42	-	-	100.66	31.8	9.17	30.21	100	29	P	H
802.11ac	*	5610	103.69	-	-	92.93	31.8	9.17	30.21	100	29	A	H
VHT80		5726.57	51.53	-16.67	68.2	40.48	31.93	9.38	30.26	100	29	P	H
CH 122		5448.64	52.09	-21.91	74	41.4	31.7	9.12	30.13	331	75	P	V
5610MHz		5469.28	49.49	-18.71	68.2	38.81	31.7	9.12	30.14	331	75	P	V
		5452.72	42.91	-11.09	54	32.23	31.7	9.12	30.14	331	75	A	V
	*	5610	105.86	-	-	95.1	31.8	9.17	30.21	331	75	P	V
	*	5610	97.79	-	-	87.03	31.8	9.17	30.21	331	75	A	V
		5743.265	51.29	-16.91	68.2	40.14	32	9.42	30.27	331	75	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.69	-26.31	74	55.94	40.13	13.5	61.88	100	0	P	H
		16590	45.77	-22.43	68.2	49.24	38.85	17.32	59.64	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.88	-26.12	74	56.13	40.13	13.5	61.88	100	0	P	V
5530MHz		16590	46.98	-21.22	68.2	50.45	38.85	17.32	59.64	100	0	P	V
													V
													V
		11220	48.48	-25.52	74	56.33	39.88	13.83	61.56	100	0	P	H
		16830	46.65	-21.55	68.2	48.7	40.2	17.48	59.73	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	49.03	-24.97	74	56.88	39.88	13.83	61.56	100	0	P	V
5610MHz		16830	46.95	-21.25	68.2	49	40.2	17.48	59.73	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5421.76	52.26	-21.74	74	41.65	31.63	9.11	30.13	251	317	P	H
		5467	50.61	-17.59	68.2	39.93	31.7	9.12	30.14	251	317	P	H
		5452.96	43.29	-10.71	54	32.61	31.7	9.12	30.14	251	317	A	H
	*	5720	115.67	-	-	104.63	31.93	9.37	30.26	251	317	P	H
	*	5720	107.66	-	-	96.62	31.93	9.37	30.26	251	317	A	H
		5865	53.04	-15.16	68.2	41.56	32.23	9.59	30.34	251	317	P	H
		5389.39	50.69	-23.31	74	40.2	31.53	9.09	30.13	286	72	P	V
		5461.54	51.82	-16.38	68.2	41.14	31.7	9.12	30.14	286	72	P	V
		5452.96	41.5	-12.5	54	30.82	31.7	9.12	30.14	286	72	A	V
	*	5720	111.54	-	-	100.5	31.93	9.37	30.26	286	72	P	V
	*	5720	103.61	-	-	92.57	31.93	9.37	30.26	286	72	A	V
		5918	51.65	-16.55	68.2	40.03	32.33	9.66	30.37	286	72	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	56.19	-17.81	74	63.3	40.07	13.94	61.12	231	352	P	H
		11440	46.03	-7.97	54	53.14	40.07	13.94	61.12	231	352	A	H
		17160	48.99	-19.21	68.2	50.27	40.57	17.76	59.61	100	0	P	H
													H
		11440	57.12	-16.88	74	64.23	40.07	13.94	61.12	303	4	P	V
		11440	47.93	-6.07	54	55.04	40.07	13.94	61.12	303	4	A	V
		17160	50.5	-17.7	68.2	51.78	40.57	17.76	59.61	100	0	P	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 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 HT20 CH 144 5720MHz		5418.64	50.98	-23.02	74	40.37	31.63	9.11	30.13	100	26	P	H
		5461.54	49.22	-18.98	68.2	38.54	31.7	9.12	30.14	100	26	P	H
		5452.96	42.59	-11.41	54	31.91	31.7	9.12	30.14	100	26	A	H
	*	5720	116.07	-	-	105.03	31.93	9.37	30.26	100	26	P	H
	*	5720	108.23	-	-	97.19	31.93	9.37	30.26	100	26	A	H
		5896	51.77	-16.43	68.2	40.2	32.3	9.63	30.36	100	26	P	H
		5451.4	50.07	-23.93	74	39.39	31.7	9.12	30.14	314	77	P	V
		5467.39	49.58	-18.62	68.2	38.9	31.7	9.12	30.14	314	77	P	V
		5452.96	41.16	-12.84	54	30.48	31.7	9.12	30.14	314	77	A	V
	*	5720	111.64	-	-	100.6	31.93	9.37	30.26	314	77	P	V
	*	5720	103.75	-	-	92.71	31.93	9.37	30.26	314	77	A	V
		5876.25	51.94	-16.26	68.2	40.4	32.27	9.61	30.34	314	77	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	57.75	-16.25	74	64.86	40.07	13.94	61.12	221	346	P	H
		11440	46.11	-7.89	54	53.22	40.07	13.94	61.12	221	346	A	H
		17160	49.28	-18.92	68.2	50.56	40.57	17.76	59.61	100	0	P	H
													H
		11440	58.75	-15.25	74	65.86	40.07	13.94	61.12	298	360	P	V
		11440	48.4	-5.6	54	55.51	40.07	13.94	61.12	298	360	A	V
		17160	49.85	-18.35	68.2	51.13	40.57	17.76	59.61	100	0	P	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 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 CH 142 5710MHz		5436.58	51.59	-22.41	74	40.93	31.67	9.12	30.13	100	27	P	H
		5465.83	50.27	-17.93	68.2	39.59	31.7	9.12	30.14	100	27	P	H
		5452.57	44.14	-9.86	54	33.46	31.7	9.12	30.14	100	27	A	H
	*	5710	113.71	-	-	102.75	31.87	9.35	30.26	100	27	P	H
	*	5710	106.16	-	-	95.2	31.87	9.35	30.26	100	27	A	H
		5853.5	53.17	-15.03	68.2	41.69	32.23	9.58	30.33	100	27	P	H
		5443.6	51.1	-22.9	74	40.44	31.67	9.12	30.13	300	75	P	V
		5466.61	50.11	-18.09	68.2	39.43	31.7	9.12	30.14	300	75	P	V
		5452.57	42.16	-11.84	54	31.48	31.7	9.12	30.14	300	75	A	V
	*	5710	109.36	-	-	98.4	31.87	9.35	30.26	300	75	P	V
	*	5710	101.34	-	-	90.38	31.87	9.35	30.26	300	75	A	V
		5927	51.38	-16.82	68.2	39.71	32.37	9.67	30.37	300	75	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	49.9	-24.1	74	57.07	40.03	13.96	61.16	100	0	P	H
		17130	48.06	-20.14	68.2	49.46	40.53	17.71	59.64	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	56.14	-17.86	74	63.31	40.03	13.96	61.16	288	1	P	V
5710MHz		11420	47.41	-6.59	54	54.58	40.03	13.96	61.16	288	1	A	V
		17130	47.83	-20.37	68.2	49.23	40.53	17.71	59.64	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5394.85	51.52	-22.48	74	40.95	31.6	9.1	30.13	100	29	P	H
		5468.17	49.77	-18.43	68.2	39.09	31.7	9.12	30.14	100	29	P	H
		5452.57	43.98	-10.02	54	33.3	31.7	9.12	30.14	100	29	A	H
	*	5690	110.52	-	-	99.65	31.8	9.32	30.25	100	29	P	H
802.11ac	*	5690	102.91	-	-	92.04	31.8	9.32	30.25	100	29	A	H
VHT80		5863.6	52.07	-16.13	68.2	40.59	32.23	9.59	30.34	100	29	P	H
CH 138		5353.51	51.31	-22.69	74	41.02	31.4	9.01	30.12	302	76	P	V
5690MHz		5465.83	49.7	-18.5	68.2	39.02	31.7	9.12	30.14	302	76	P	V
		5452.96	41.82	-12.18	54	31.14	31.7	9.12	30.14	302	76	A	V
	*	5690	106.33	-	-	95.46	31.8	9.32	30.25	302	76	P	V
	*	5690	98.12	-	-	87.25	31.8	9.32	30.25	302	76	A	V
		5937.1	51.29	-16.91	68.2	39.62	32.37	9.68	30.38	302	76	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	49.29	-24.71	74	56.57	39.97	13.99	61.24	100	0	P	H
		17070	48.47	-19.73	68.2	50.07	40.5	17.62	59.72	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	49.87	-24.13	74	57.15	39.97	13.99	61.24	100	0	P	V
5690MHz		17070	48.56	-19.64	68.2	50.16	40.5	17.62	59.72	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		83.46	29.11	-10.89	40	46.73	13.72	1.2	32.54	-	-	P	H
		135.03	34.65	-8.85	43.5	48.24	17.44	1.47	32.5	100	0	P	H
		294.06	25.57	-20.43	46	36.78	19.11	2.22	32.54	-	-	P	H
		374.2	30.37	-15.63	46	39.53	20.99	2.4	32.55	-	-	P	H
		685.7	29.64	-16.36	46	32.37	26.49	3.21	32.43	-	-	P	H
		960.8	34.35	-19.65	54	30.56	31	3.92	31.13	-	-	P	H
													H
													H
													H
													H
													H
													H
		69.42	33.79	-6.21	40	53.07	12.19	1.09	32.56	100	0	P	V
		134.22	29.88	-13.62	43.5	43.49	17.43	1.46	32.5	-	-	P	V
		278.94	26.86	-19.14	46	38.37	18.84	2.18	32.53	-	-	P	V
		426	28.31	-17.69	46	35.58	22.75	2.54	32.56	-	-	P	V
		695.5	28.65	-17.35	46	31.32	26.5	3.24	32.41	-	-	P	V
		958.7	33.5	-12.5	46	29.76	30.96	3.92	31.14	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

<TXBF Mode>

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5147.68	68.85	-5.15	74	58.52	31.8	8.63	30.1	100	12	P	H
		5141.18	47.77	-6.23	54	37.44	31.8	8.63	30.1	100	12	A	H
	*	5180	112.29	-	-	102.07	31.67	8.65	30.1	100	12	P	H
	*	5180	102.93	-	-	92.71	31.67	8.65	30.1	100	12	A	H
802.11ac													H
VHT20													H
CH 36		5144.82	53.88	-20.12	74	43.55	31.8	8.63	30.1	119	81	P	V
5180MHz		5145.6	40.29	-13.71	54	29.96	31.8	8.63	30.1	119	81	A	V
	*	5180	107.34	-	-	97.12	31.67	8.65	30.1	119	81	P	V
	*	5180	97.21	-	-	86.99	31.67	8.65	30.1	119	81	A	V
													V
													V
		5129.48	52.3	-21.7	74	41.95	31.83	8.62	30.1	100	13	P	H
		5146.12	41.37	-12.63	54	31.04	31.8	8.63	30.1	100	13	A	H
	*	5220	113.2	-	-	103.08	31.53	8.7	30.11	100	13	P	H
	*	5220	103.84	-	-	93.72	31.53	8.7	30.11	100	13	A	H
802.11ac		5421.08	51.41	-22.59	74	40.8	31.63	9.11	30.13	100	13	P	H
VHT20		5453	42.99	-11.01	54	32.31	31.7	9.12	30.14	100	13	A	H
CH 44		5149.24	52.49	-21.51	74	42.16	31.8	8.63	30.1	150	76	P	V
5220MHz		5091.52	39.63	-14.37	54	29.21	31.9	8.61	30.09	150	76	A	V
	*	5220	108.55	-	-	98.43	31.53	8.7	30.11	150	76	P	V
	*	5220	99.03	-	-	88.91	31.53	8.7	30.11	150	76	A	V
		5452.72	50.52	-23.48	74	39.84	31.7	9.12	30.14	150	76	P	V
		5425.84	40.23	-13.77	54	29.61	31.63	9.12	30.13	150	76	A	V

		5082.42	50.04	-23.96	74	39.63	31.9	8.6	30.09	100	14	P	H
		5127.66	44.93	-9.07	54	34.58	31.83	8.62	30.1	100	14	A	H
	*	5240	113.82	-	-	103.71	31.47	8.75	30.11	100	14	P	H
	*	5240	102.87	-	-	92.76	31.47	8.75	30.11	100	14	A	H
802.11ac		5362.56	51.3	-22.7	74	40.92	31.47	9.03	30.12	100	14	P	H
VHT20		5453	42.23	-11.77	54	31.55	31.7	9.12	30.14	100	14	A	H
CH 48		5057.46	50.28	-23.72	74	39.88	31.9	8.59	30.09	150	75	P	V
5240MHz		5091.26	39.6	-14.4	54	29.18	31.9	8.61	30.09	150	75	A	V
	*	5240	109.13	-	-	99.02	31.47	8.75	30.11	150	75	P	V
	*	5240	98.98	-	-	88.87	31.47	8.75	30.11	150	75	A	V
		5376	51.29	-22.71	74	40.89	31.47	9.06	30.13	150	75	P	V
		5354.44	40.35	-13.65	54	30.06	31.4	9.01	30.12	150	75	A	V

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	46.24	-21.96	68.2	54.89	39.37	13.33	61.35	100	0	P	H
		15540	45.45	-28.55	74	53.29	37.93	16.67	62.44	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	46.34	-21.86	68.2	54.99	39.37	13.33	61.35	100	0	P	V
5180MHz		15540	44.93	-29.07	74	52.77	37.93	16.67	62.44	100	0	P	V
													V
													V
		10440	45.44	-22.76	68.2	54.02	39.53	13.38	61.49	100	0	P	H
		15660	44.22	-29.78	74	52.14	37.45	16.87	62.24	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	46.27	-21.93	68.2	54.85	39.53	13.38	61.49	100	0	P	V
5220MHz		15660	44.62	-29.38	74	52.54	37.45	16.87	62.24	100	0	P	V
													V
													V
		10480	45.79	-22.41	68.2	54.37	39.58	13.4	61.56	100	0	P	H
		15720	44.29	-29.71	74	52.19	37.3	16.95	62.15	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	45.34	-22.86	68.2	53.92	39.58	13.4	61.56	100	0	P	V
5240MHz		15720	45.8	-28.2	74	53.7	37.3	16.95	62.15	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5146.9	59.69	-14.31	74	49.36	31.8	8.63	30.1	100	6	P	H
		5150	50.36	-3.64	54	40.02	31.8	8.64	30.1	100	6	A	H
	*	5190	111.72	-	-	101.5	31.67	8.65	30.1	100	6	P	H
	*	5190	102.68	-	-	92.46	31.67	8.65	30.1	100	6	A	H
802.11ac		5434.24	51.86	-22.14	74	41.2	31.67	9.12	30.13	100	6	P	H
VHT40		5452.72	41.95	-12.05	54	31.27	31.7	9.12	30.14	100	6	A	H
CH 38		5140.4	62.17	-11.83	74	51.84	31.8	8.63	30.1	133	80	P	V
5190MHz		5138.32	45.58	-8.42	54	35.22	31.83	8.63	30.1	133	80	A	V
	*	5190	107.79	-	-	97.57	31.67	8.65	30.1	133	80	P	V
	*	5190	97.04	-	-	86.82	31.67	8.65	30.1	133	80	A	V
		5351.92	50.38	-23.62	74	40.1	31.4	9	30.12	133	80	P	V
		5376	41.06	-12.94	54	30.66	31.47	9.06	30.13	133	80	A	V
		5141.18	53.19	-20.81	74	42.86	31.8	8.63	30.1	100	14	P	H
		5145.6	43.02	-10.98	54	32.69	31.8	8.63	30.1	100	14	A	H
	*	5230	112.41	-	-	102.32	31.47	8.73	30.11	100	14	P	H
	*	5230	102.81	-	-	92.72	31.47	8.73	30.11	100	14	A	H
802.11ac		5353.6	54.51	-19.49	74	44.22	31.4	9.01	30.12	100	14	P	H
VHT40		5452.72	44.01	-9.99	54	33.33	31.7	9.12	30.14	100	14	A	H
CH 46		5142.22	53.38	-20.62	74	43.05	31.8	8.63	30.1	137	81	P	V
5230MHz		5145.6	40.28	-13.72	54	29.95	31.8	8.63	30.1	137	81	A	V
	*	5230	107.78	-	-	97.69	31.47	8.73	30.11	137	81	P	V
	*	5230	98.43	-	-	88.34	31.47	8.73	30.11	137	81	A	V
		5351.64	54.51	-19.49	74	44.23	31.4	9	30.12	137	81	P	V
		5376	41.35	-12.65	54	30.95	31.47	9.06	30.13	137	81	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	46.16	-22.04	68.2	54.77	39.43	13.34	61.38	100	0	P	H
		15570	45.35	-28.65	74	53.24	37.77	16.73	62.39	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	47.25	-20.95	68.2	55.86	39.43	13.34	61.38	100	0	P	V
5190MHz		15570	45.03	-28.97	74	52.92	37.77	16.73	62.39	100	0	P	V
													V
													V
		10460	45.98	-22.22	68.2	54.57	39.55	13.39	61.53	100	0	P	H
		15690	44.75	-29.25	74	52.68	37.35	16.92	62.2	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	45.67	-22.53	68.2	54.26	39.55	13.39	61.53	100	0	P	V
5230MHz		15690	44.25	-29.75	74	52.18	37.35	16.92	62.2	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5148.2	60.23	-13.77	74	49.9	31.8	8.63	30.1	100	11	P	H
		5150	50.85	-3.15	54	40.51	31.8	8.64	30.1	100	11	A	H
	*	5210	109.22	-	-	99.12	31.53	8.68	30.11	100	11	P	H
	*	5210	99.72	-	-	89.62	31.53	8.68	30.11	100	11	A	H
		5385.8	52.28	-21.72	74	41.8	31.53	9.08	30.13	100	11	P	H
		5453	44.15	-9.85	54	33.47	31.7	9.12	30.14	100	11	A	H
		5138.84	56.11	-17.89	74	45.75	31.83	8.63	30.1	143	81	P	V
		5148.98	44.05	-9.95	54	33.72	31.8	8.63	30.1	143	81	A	V
	*	5210	104.98	-	-	94.88	31.53	8.68	30.11	143	81	P	V
	*	5210	95	-	-	84.9	31.53	8.68	30.11	143	81	A	V
		5413.8	50.93	-23.07	74	40.32	31.63	9.11	30.13	143	81	P	V
		5363.4	41.19	-12.81	54	30.81	31.47	9.03	30.12	143	81	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	45.57	-22.63	68.2	54.15	39.52	13.36	61.46	100	0	P	H
		15630	44.97	-29.03	74	52.94	37.5	16.82	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	45.92	-22.28	68.2	54.5	39.52	13.36	61.46	100	0	P	V
5210MHz		15630	45.73	-28.27	74	53.7	37.5	16.82	62.29	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11ac 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)
		5042.16	49.95	-24.05	74	39.56	31.9	8.58	30.09	100	12	P	H
		5107.1	41.03	-12.97	54	30.64	31.87	8.61	30.09	100	12	A	H
	*	5260	114.44			104.35	31.4	8.8	30.11	100	12	P	H
	*	5260	103.73			93.64	31.4	8.8	30.11	100	12	A	H
802.11ac		5353.92	52.5	-21.5	74	42.21	31.4	9.01	30.12	100	12	P	H
VHT20		5350.08	43.78	-10.22	54	33.5	31.4	9	30.12	100	12	A	H
CH 52		5068.34	50.27	-23.73	74	39.87	31.9	8.59	30.09	150	84	P	V
5260MHz		5145.52	40.38	-13.62	54	30.05	31.8	8.63	30.1	150	84	A	V
	*	5260	109.66			99.57	31.4	8.8	30.11	150	84	P	V
	*	5260	99.76			89.67	31.4	8.8	30.11	150	84	A	V
		5356.8	53.11	-20.89	74	42.82	31.4	9.01	30.12	150	84	P	V
		5392.08	41.03	-12.97	54	30.54	31.53	9.09	30.13	150	84	A	V
		5108.12	50.54	-23.46	74	40.15	31.87	8.61	30.09	100	13	P	H
		5137.36	47.42	-6.58	54	37.06	31.83	8.63	30.1	100	13	A	H
	*	5300	113.44			103.27	31.4	8.89	30.12	100	13	P	H
	*	5300	103.09			92.92	31.4	8.89	30.12	100	13	A	H
802.11ac		5356.56	56.52	-17.48	74	46.23	31.4	9.01	30.12	100	13	P	H
VHT20		5414.16	43.72	-10.28	54	33.11	31.63	9.11	30.13	100	13	A	H
CH 60		5105.74	49.87	-24.13	74	39.48	31.87	8.61	30.09	149	88	P	V
5300MHz		5080.58	40.17	-13.83	54	29.76	31.9	8.6	30.09	149	88	A	V
	*	5300	108.04			97.87	31.4	8.89	30.12	149	88	P	V
	*	5300	98.26			88.09	31.4	8.89	30.12	149	88	A	V
		5359.2	59.74	-14.26	74	49.44	31.4	9.02	30.12	149	88	P	V
		5370.72	42.11	-11.89	54	31.72	31.47	9.04	30.12	149	88	A	V

	*	5320	112.79	-	-	102.58	31.4	8.93	30.12	100	12	P	H
	*	5320	102.5	-	-	92.29	31.4	8.93	30.12	100	12	A	H
		5363.04	60.88	-13.12	74	50.5	31.47	9.03	30.12	100	12	P	H
		5350.24	47.62	-6.38	54	37.34	31.4	9	30.12	100	12	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	107.98	-	-	97.77	31.4	8.93	30.12	142	83	P	V
5320MHz	*	5320	98.28	-	-	88.07	31.4	8.93	30.12	142	83	A	V
		5358.4	64.06	-9.94	74	53.76	31.4	9.02	30.12	142	83	P	V
		5375.84	42.25	-11.75	54	31.85	31.47	9.06	30.13	142	83	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	45.3	-22.9	68.2	53.88	39.63	13.41	61.62	100	0	P	H
		15780	44.89	-29.11	74	52.61	37.3	17.03	62.05	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	45.08	-23.12	68.2	53.66	39.63	13.41	61.62	100	0	P	V
5260MHz		15780	45.17	-28.83	74	52.89	37.3	17.03	62.05	100	0	P	V
													V
													V
		10600	45.86	-28.14	74	54.34	39.8	13.4	61.68	100	0	P	H
		15900	44.61	-29.39	74	52.28	37	17.19	61.86	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	46.27	-27.73	74	54.75	39.8	13.4	61.68	100	0	P	V
5300MHz		15900	45.5	-28.5	74	53.17	37	17.19	61.86	100	0	P	V
													V
													V
		10640	46.75	-27.25	74	55.26	39.8	13.4	61.71	100	0	P	H
		15960	44.5	-29.5	74	52.16	36.93	17.17	61.76	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	46.5	-27.5	74	55.01	39.8	13.4	61.71	100	0	P	V
5320MHz		15960	44.08	-29.92	74	51.74	36.93	17.17	61.76	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.26	51.62	-22.38	74	41.29	31.8	8.63	30.1	100	9	P	H
		5145.52	41.43	-12.57	54	31.1	31.8	8.63	30.1	100	9	A	H
	*	5270	112.08	-	-	101.97	31.4	8.82	30.11	100	9	P	H
	*	5270	102.57	-	-	92.46	31.4	8.82	30.11	100	9	A	H
802.11ac		5368.8	59.34	-14.66	74	48.95	31.47	9.04	30.12	100	9	P	H
VHT40		5350.08	45.06	-8.94	54	34.78	31.4	9	30.12	100	9	A	H
CH 54		5129.2	50.67	-23.33	74	40.32	31.83	8.62	30.1	134	75	P	V
5270MHz		5082.28	39.57	-14.43	54	29.16	31.9	8.6	30.09	134	75	A	V
	*	5270	108.93	-	-	98.82	31.4	8.82	30.11	134	75	P	V
	*	5270	98.94	-	-	88.83	31.4	8.82	30.11	134	75	A	V
		5357.28	52.93	-21.07	74	42.64	31.4	9.01	30.12	134	75	P	V
		5350.08	42.27	-11.73	54	31.99	31.4	9	30.12	134	75	A	V
		5043.18	50.83	-23.17	74	40.44	31.9	8.58	30.09	100	11	P	H
		5145.18	40.5	-13.5	54	30.17	31.8	8.63	30.1	100	11	A	H
	*	5310	113.06	-	-	102.87	31.4	8.91	30.12	100	11	P	H
	*	5310	103.6	-	-	93.41	31.4	8.91	30.12	100	11	A	H
802.11ac		5350.08	62.75	-11.25	74	52.47	31.4	9	30.12	100	11	P	H
VHT40		5351.04	52.63	-1.37	54	42.35	31.4	9	30.12	100	11	A	H
CH 62		5041.82	49.53	-24.47	74	39.14	31.9	8.58	30.09	150	85	P	V
5310MHz		5145.86	39.9	-14.1	54	29.57	31.8	8.63	30.1	150	85	A	V
	*	5310	107.78	-	-	97.59	31.4	8.91	30.12	150	85	P	V
	*	5310	98.39	-	-	88.2	31.4	8.91	30.12	150	85	A	V
		5356.8	64.89	-9.11	74	54.6	31.4	9.01	30.12	150	85	P	V
		5350.08	49.87	-4.13	54	39.59	31.4	9	30.12	150	85	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	44.82	-23.38	68.2	53.37	39.67	13.41	61.63	100	0	P	H
		15810	43.95	-30.05	74	51.57	37.3	17.08	62	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	46.16	-22.04	68.2	54.71	39.67	13.41	61.63	100	0	P	V
5270MHz		15810	44.6	-29.4	74	52.22	37.3	17.08	62	100	0	P	V
													V
													V
		10620	46.65	-27.35	74	55.14	39.8	13.41	61.7	100	0	P	H
		15930	44.22	-29.78	74	51.87	36.97	17.19	61.81	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	46.81	-27.19	74	55.3	39.8	13.41	61.7	100	0	P	V
5310MHz		15930	44.44	-29.56	74	52.09	36.97	17.19	61.81	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5136.68	51.09	-22.91	74	40.73	31.83	8.63	30.1	100	11	P	H
		5145.18	41.26	-12.74	54	30.93	31.8	8.63	30.1	100	11	A	H
	*	5290	107.1	-	-	96.95	31.4	8.86	30.11	100	11	P	H
	*	5290	98.07	-	-	87.92	31.4	8.86	30.11	100	11	A	H
		5371.44	61.67	-12.33	74	51.27	31.47	9.05	30.12	100	11	P	H
		5351.28	52.78	-1.22	54	42.5	31.4	9	30.12	100	11	A	H
		5022.44	50.14	-23.86	74	39.85	31.8	8.57	30.08	149	79	P	V
		5145.52	39.76	-14.24	54	29.43	31.8	8.63	30.1	149	79	A	V
	*	5290	102.74	-	-	92.59	31.4	8.86	30.11	149	79	P	V
	*	5290	93	-	-	82.85	31.4	8.86	30.11	149	79	A	V
		5350.32	57.79	-16.21	74	47.51	31.4	9	30.12	149	79	P	V
		5350.32	48.41	-5.59	54	38.13	31.4	9	30.12	149	79	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.12	-22.08	68.2	54.6	39.77	13.41	61.66	100	0	P	H
		15870	44.26	-29.74	74	51.95	37.06	17.16	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	45.62	-22.58	68.2	54.1	39.77	13.41	61.66	100	0	P	V
5290MHz		15870	44.73	-29.27	74	52.42	37.06	17.16	61.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac 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)
		5460.08	59.21	-8.99	68.2	48.53	31.7	9.12	30.14	100	29	P	H
		5467.6	60.76	-7.44	68.2	50.08	31.7	9.12	30.14	100	29	P	H
		5452.88	42.48	-11.52	54	31.8	31.7	9.12	30.14	100	29	A	H
	*	5500	112.62	-	-	101.93	31.7	9.13	30.14	100	29	P	H
802.11ac	*	5500	98.75	-	-	88.06	31.7	9.13	30.14	100	29	A	H
VHT20													H
CH 100		5454.32	61.41	-12.59	74	50.73	31.7	9.12	30.14	149	82	P	V
5500MHz		5460.4	62.12	-6.08	68.2	51.44	31.7	9.12	30.14	149	82	P	V
		5452.72	41.02	-12.98	54	30.34	31.7	9.12	30.14	149	82	A	V
	*	5500	107.25	-	-	96.56	31.7	9.13	30.14	149	82	P	V
	*	5500	93.96	-	-	83.27	31.7	9.13	30.14	149	82	A	V
													V
		5436.4	51.15	-22.85	74	40.49	31.67	9.12	30.13	100	11	P	H
		5468.08	50.59	-17.61	68.2	39.91	31.7	9.12	30.14	100	11	P	H
		5414.08	41.56	-12.44	54	30.95	31.63	9.11	30.13	100	11	A	H
	*	5580	111.79	-	-	101.03	31.8	9.15	30.19	100	11	P	H
802.11ac	*	5580	102.1	-	-	91.34	31.8	9.15	30.19	100	11	A	H
VHT20		5733.185	50.09	-18.11	68.2	39.03	31.93	9.4	30.27	100	11	P	H
CH 116		5452.72	50.43	-23.57	74	39.75	31.7	9.12	30.14	227	80	P	V
5580MHz		5469.04	49.57	-18.63	68.2	38.89	31.7	9.12	30.14	227	80	P	V
		5452.48	40.25	-13.75	54	29.57	31.7	9.12	30.14	227	80	A	V
	*	5580	107.44	-	-	96.68	31.8	9.15	30.19	227	80	P	V
	*	5580	96.96	-	-	86.2	31.8	9.15	30.19	227	80	A	V
		5760.59	49.27	-18.93	68.2	38.04	32.07	9.45	30.29	227	80	P	V

	*	5700	111.94	-	-	101.05	31.8	9.34	30.25	100	26	P	H
	*	5700	101.35	-	-	90.46	31.8	9.34	30.25	100	26	A	H
		5750.44	56.59	-11.61	68.2	45.43	32	9.43	30.27	100	26	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	106.06	-	-	95.17	31.8	9.34	30.25	153	78	P	V
5700MHz	*	5700	95.69	-	-	84.8	31.8	9.34	30.25	153	78	A	V
		5731.96	63.23	-4.97	68.2	52.18	31.93	9.39	30.27	153	78	P	V
													V
													V
													V

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.85	-27.15	74	55.01	40.4	13.44	62	100	0	P	H
		16500	47.3	-20.9	68.2	51.09	38.6	17.21	59.6	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	47.53	-26.47	74	55.69	40.4	13.44	62	100	0	P	V
5500MHz		16500	45.85	-22.35	68.2	49.64	38.6	17.21	59.6	100	0	P	V
													V
													V
		11160	46.57	-27.43	74	54.65	39.93	13.67	61.68	100	0	P	H
		16740	45.97	-22.23	68.2	48.41	39.78	17.48	59.7	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	46.95	-27.05	74	55.03	39.93	13.67	61.68	100	0	P	V
5580MHz		16740	46.16	-22.04	68.2	48.6	39.78	17.48	59.7	100	0	P	V
													V
													V
		11400	48.05	-25.95	74	55.28	40	13.97	61.2	100	0	P	H
		17100	47.69	-20.51	68.2	49.21	40.5	17.66	59.68	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	47.86	-26.14	74	55.09	40	13.97	61.2	100	0	P	V
5700MHz		17100	48.53	-19.67	68.2	50.05	40.5	17.66	59.68	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452.48	54.8	-19.2	74	44.12	31.7	9.12	30.14	100	29	P	H
		5469.76	56.28	-11.92	68.2	45.6	31.7	9.12	30.14	100	29	P	H
		5452.72	47.26	-6.74	54	36.58	31.7	9.12	30.14	100	29	A	H
	*	5510	111.96	-	-	101.28	31.7	9.13	30.15	100	29	P	H
802.11ac	*	5510	102.51	-	-	91.83	31.7	9.13	30.15	100	29	A	H
VHT40		5732.24	50.73	-17.47	68.2	39.68	31.93	9.39	30.27	100	29	P	H
CH 102		5456.8	60.12	-13.88	74	49.44	31.7	9.12	30.14	362	71	P	V
5510MHz		5466.64	60.71	-7.49	68.2	50.03	31.7	9.12	30.14	362	71	P	V
		5452.72	43.44	-10.56	54	32.76	31.7	9.12	30.14	362	71	A	V
	*	5510	106.42	-	-	95.74	31.7	9.13	30.15	362	71	P	V
	*	5510	97.74	-	-	87.06	31.7	9.13	30.15	362	71	A	V
		5750.51	48.77	-19.43	68.2	37.61	32	9.43	30.27	362	71	P	V
		5442.88	52.72	-21.28	74	42.06	31.67	9.12	30.13	100	11	P	H
		5461.6	53.25	-14.95	68.2	42.57	31.7	9.12	30.14	100	11	P	H
		5452.72	45.18	-8.82	54	34.5	31.7	9.12	30.14	100	11	A	H
	*	5550	110.24	-	-	99.47	31.8	9.14	30.17	100	11	P	H
802.11ac	*	5550	101	-	-	90.23	31.8	9.14	30.17	100	11	A	H
VHT40		5725.31	49.75	-18.45	68.2	38.7	31.93	9.38	30.26	100	11	P	H
CH 110		5448.16	54.17	-19.83	74	43.48	31.7	9.12	30.13	135	74	P	V
5550MHz		5467.36	55.73	-12.47	68.2	45.05	31.7	9.12	30.14	135	74	P	V
		5452.96	41.31	-12.69	54	30.63	31.7	9.12	30.14	135	74	A	V
	*	5550	105.32	-	-	94.55	31.8	9.14	30.17	135	74	P	V
	*	5550	95.79	-	-	85.02	31.8	9.14	30.17	135	74	A	V
		5750.825	50.73	-17.47	68.2	39.57	32	9.43	30.27	135	74	P	V

		5452.9	49.91	-24.09	74	39.23	31.7	9.12	30.14	100	27	P	H
		5466.2	49.08	-19.12	68.2	38.4	31.7	9.12	30.14	100	27	P	H
		5452.9	42.64	-11.36	54	31.96	31.7	9.12	30.14	100	27	A	H
	*	5670	111.41	-	-	100.61	31.75	9.28	30.23	100	27	P	H
802.11ac	*	5670	102.51	-	-	91.71	31.75	9.28	30.23	100	27	A	H
VHT40		5725.45	56.71	-11.49	68.2	45.66	31.93	9.38	30.26	100	27	P	H
CH 134		5390.6	49.71	-24.29	74	39.22	31.53	9.09	30.13	292	82	P	V
5670MHz		5468.3	49.5	-18.7	68.2	38.82	31.7	9.12	30.14	292	82	P	V
		5452.9	40.26	-13.74	54	29.58	31.7	9.12	30.14	292	82	A	V
	*	5670	106.53	-	-	95.73	31.75	9.28	30.23	292	82	P	V
	*	5670	97.41	-	-	86.61	31.75	9.28	30.23	292	82	A	V
		5728.775	51.63	-16.57	68.2	40.57	31.93	9.39	30.26	292	82	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.09	-26.91	74	55.25	40.33	13.47	61.96	100	0	P	H
		16530	46.47	-21.73	68.2	50.14	38.7	17.24	59.61	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	47.04	-26.96	74	55.2	40.33	13.47	61.96	100	0	P	V
5510MHz		16530	46.06	-22.14	68.2	49.73	38.7	17.24	59.61	100	0	P	V
													V
													V
		11100	47.95	-26.05	74	56.22	40	13.53	61.8	100	0	P	H
		16650	46.34	-21.86	68.2	49.39	39.2	17.41	59.66	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	48.18	-25.82	74	56.45	40	13.53	61.8	100	0	P	V
5550MHz		16650	46.73	-21.47	68.2	49.78	39.2	17.41	59.66	100	0	P	V
													V
													V
		11340	47.3	-26.7	74	54.75	39.87	14	61.32	100	0	P	H
		17010	47.56	-20.64	68.2	49.31	40.5	17.54	59.79	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	47.06	-26.94	74	54.51	39.87	14	61.32	100	0	P	V
5670MHz		17010	47.84	-20.36	68.2	49.59	40.5	17.54	59.79	100	0	P	V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.2	64.35	-9.65	74	53.67	31.7	9.12	30.14	100	29	P	H
		5466.16	66.33	-1.87	68.2	55.65	31.7	9.12	30.14	100	29	P	H
		5452.96	47.34	-6.66	54	36.66	31.7	9.12	30.14	100	29	A	H
	*	5530	106.7	-	-	96	31.73	9.14	30.17	100	29	P	H
802.11ac	*	5530	97.45	-	-	86.75	31.73	9.14	30.17	100	29	A	H
VHT80		5738.54	50.07	-18.13	68.2	38.93	32	9.41	30.27	100	29	P	H
CH 106		5454.64	52.2	-21.8	74	41.52	31.7	9.12	30.14	400	71	P	V
5530MHz		5466.16	54.04	-14.16	68.2	43.36	31.7	9.12	30.14	400	71	P	V
		5452.72	42.99	-11.01	54	32.31	31.7	9.12	30.14	400	71	A	V
	*	5530	102.47	-	-	91.77	31.73	9.14	30.17	400	71	P	V
	*	5530	92.46	-	-	81.76	31.73	9.14	30.17	400	71	A	V
		5752.4	50.11	-18.09	68.2	38.88	32.07	9.43	30.27	400	71	P	V
		5457.52	53.31	-20.69	74	42.63	31.7	9.12	30.14	100	27	P	H
		5462.32	54.68	-13.52	68.2	44	31.7	9.12	30.14	100	27	P	H
		5452.72	44.3	-9.7	54	33.62	31.7	9.12	30.14	100	27	A	H
	*	5610	109.92	-	-	99.16	31.8	9.17	30.21	100	27	P	H
802.11ac	*	5610	100.08	-	-	89.32	31.8	9.17	30.21	100	27	A	H
VHT80		5735.39	51.76	-16.44	68.2	40.63	32	9.4	30.27	100	27	P	H
CH 122		5457.76	51.76	-22.24	74	41.08	31.7	9.12	30.14	400	50	P	V
5610MHz		5462.56	50.91	-17.29	68.2	40.23	31.7	9.12	30.14	400	50	P	V
		5452.72	41.02	-12.98	54	30.34	31.7	9.12	30.14	400	50	A	V
	*	5610	103.6	-	-	92.84	31.8	9.17	30.21	400	50	P	V
	*	5610	94.53	-	-	83.77	31.8	9.17	30.21	400	50	A	V
		5761.535	49.4	-18.8	68.2	38.17	32.07	9.45	30.29	400	50	P	V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	48.49	-25.51	74	56.74	40.13	13.5	61.88	100	0	P	H
		16590	47.37	-20.83	68.2	50.84	38.85	17.32	59.64	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	46.56	-27.44	74	54.81	40.13	13.5	61.88	100	0	P	V
5530MHz		16590	46.43	-21.77	68.2	49.9	38.85	17.32	59.64	100	0	P	V
													V
													V
		11220	46.67	-27.33	74	54.52	39.88	13.83	61.56	100	0	P	H
		16830	47.5	-20.7	68.2	49.55	40.2	17.48	59.73	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	46.77	-27.23	74	54.62	39.88	13.83	61.56	100	0	P	V
5610MHz		16830	46.79	-21.41	68.2	48.84	40.2	17.48	59.73	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5411.62	51.04	-22.96	74	40.43	31.63	9.11	30.13	100	20	P	H
		5469.34	49.93	-18.27	68.2	39.25	31.7	9.12	30.14	100	20	P	H
		5414.35	40.14	-13.86	54	29.53	31.63	9.11	30.13	100	20	A	H
	*	5720	112.44	-	-	101.4	31.93	9.37	30.26	100	20	P	H
802.11ac	*	5720	98.72	-	-	87.68	31.93	9.37	30.26	100	20	A	H
VHT20		5919.5	52.19	-16.01	68.2	40.57	32.33	9.66	30.37	100	20	P	H
CH 144		5449.84	50.11	-23.89	74	39.43	31.7	9.12	30.14	244	75	P	V
5720MHz		5461.15	50.16	-18.04	68.2	39.48	31.7	9.12	30.14	244	75	P	V
		5459.59	39.73	-14.27	54	29.05	31.7	9.12	30.14	244	75	A	V
	*	5720	108.34	-	-	97.3	31.93	9.37	30.26	244	75	P	V
	*	5720	93.53	-	-	82.49	31.93	9.37	30.26	244	75	A	V
		5870.25	51.78	-16.42	68.2	40.29	32.23	9.6	30.34	244	75	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	48.09	-25.91	74	55.2	40.07	13.94	61.12	100	0	P	H
		17160	49.1	-19.1	68.2	50.38	40.57	17.76	59.61	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	47.23	-26.77	74	54.34	40.07	13.94	61.12	100	0	P	V
5720MHz		17160	49.08	-19.12	68.2	50.36	40.57	17.76	59.61	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 142 5710MHz		5406.55	50.76	-23.24	74	40.18	31.6	9.11	30.13	100	34	P	H
		5466.22	51.28	-16.92	68.2	40.6	31.7	9.12	30.14	100	34	P	H
		5452.96	42.57	-11.43	54	31.89	31.7	9.12	30.14	100	34	A	H
	*	5710	111.05	-	-	100.09	31.87	9.35	30.26	100	34	P	H
	*	5710	101.77	-	-	90.81	31.87	9.35	30.26	100	34	A	H
		5857	52.43	-15.77	68.2	40.94	32.23	9.59	30.33	100	34	P	H
		5415.91	50.04	-23.96	74	39.43	31.63	9.11	30.13	136	72	P	V
		5467.78	49.72	-18.48	68.2	39.04	31.7	9.12	30.14	136	72	P	V
		5452.96	40.32	-13.68	54	29.64	31.7	9.12	30.14	136	72	A	V
	*	5710	105.28	-	-	94.32	31.87	9.35	30.26	136	72	P	V
	*	5710	96.14	-	-	85.18	31.87	9.35	30.26	136	72	A	V
		5853.25	52.28	-15.92	68.2	40.83	32.2	9.58	30.33	136	72	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	46.77	-27.23	74	53.94	40.03	13.96	61.16	100	0	P	H
		17130	49.35	-18.85	68.2	50.75	40.53	17.71	59.64	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	47.84	-26.16	74	55.01	40.03	13.96	61.16	100	0	P	V
5710MHz		17130	47.7	-20.5	68.2	49.1	40.53	17.71	59.64	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 VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5450.23	50.49	-23.51	74	39.81	31.7	9.12	30.14	100	25	P	H
		5467.78	49.31	-18.89	68.2	38.63	31.7	9.12	30.14	100	25	P	H
		5452.96	42.58	-11.42	54	31.9	31.7	9.12	30.14	100	25	A	H
	*	5690	108.72	-	-	97.85	31.8	9.32	30.25	100	25	P	H
	*	5690	97.67	-	-	86.8	31.8	9.32	30.25	100	25	A	H
		5891.75	51.95	-16.25	68.2	40.38	32.3	9.63	30.36	100	25	P	H
		5447.89	50.81	-23.19	74	40.12	31.7	9.12	30.13	139	73	P	V
		5470.12	50.28	-99.72	150	39.6	31.7	9.12	30.14	139	73	P	V
		5452.96	40.31	-13.69	54	29.63	31.7	9.12	30.14	139	73	A	V
	*	5690	101.38	-	-	90.51	31.8	9.32	30.25	139	73	P	V
	*	5690	91.72	-	-	80.85	31.8	9.32	30.25	139	73	A	V
		5900.75	51.06	-17.14	68.2	39.48	32.3	9.64	30.36	139	73	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.48	-26.52	74	54.76	39.97	13.99	61.24	100	0	P	H
		17070	48.52	-19.68	68.2	50.12	40.5	17.62	59.72	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	47.17	-26.83	74	54.45	39.97	13.99	61.24	100	0	P	V
5690MHz		17070	47.66	-20.54	68.2	49.26	40.5	17.62	59.72	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		66.72	28.06	-11.94	40	47.63	11.93	1.06	32.56	-	-	P	H
		139.08	34.53	-8.97	43.5	48.11	17.42	1.5	32.5	-	-	P	H
		265.17	35.14	-10.86	46	45.93	19.6	2.13	32.52	-	-	P	H
		379.1	28.26	-17.74	46	37.31	21.08	2.42	32.55	-	-	P	H
		720.7	34.97	-11.03	46	36.91	27.15	3.27	32.36	-	-	P	H
		894.3	37.94	-8.06	46	36.89	29.01	3.72	31.68	100	0	P	H
													H
													H
													H
													H
													H
													H
		68.07	33.9	-6.1	40	53.37	12.02	1.07	32.56	100	0	P	V
		154.2	28.61	-14.89	43.5	42.51	16.97	1.63	32.5	-	-	P	V
		240.33	29.64	-16.36	46	42.78	17.39	1.98	32.51	-	-	P	V
		398.7	26.85	-19.15	46	35.16	21.75	2.49	32.55	-	-	P	V
		722.1	31.78	-14.22	46	33.62	27.24	3.28	32.36	-	-	P	V
		951.7	35.16	-10.84	46	31.69	30.78	3.89	31.2	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission

Test Engineer :	Watt Tseng, Karl Hou, and Bigshow Wang	**Temperature :**	24~26°C
		Relative Humidity :	47~48%

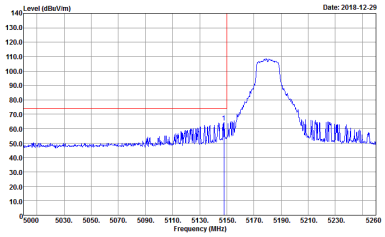
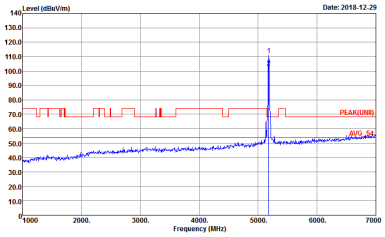
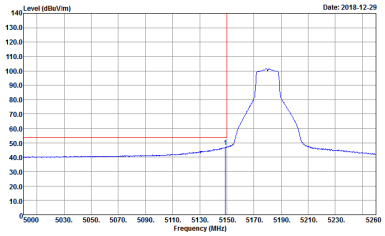
Note symbol

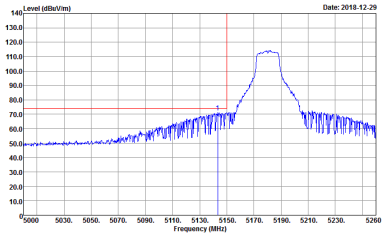
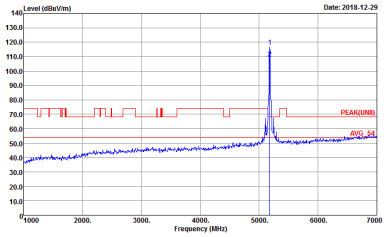
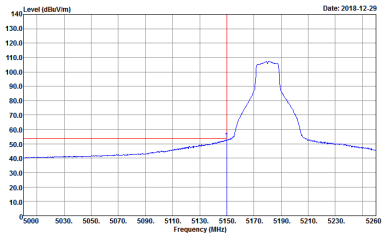
-L	**Low channel location**
-R	**High channel location**

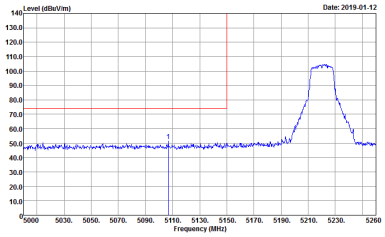
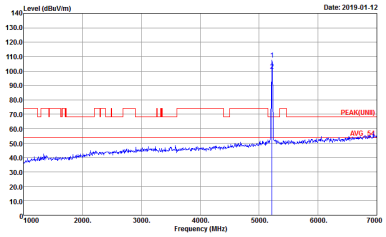
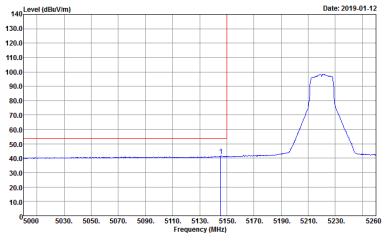
<CDD Mode>

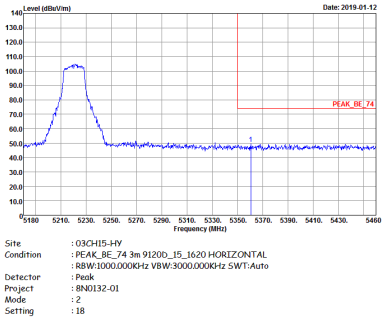
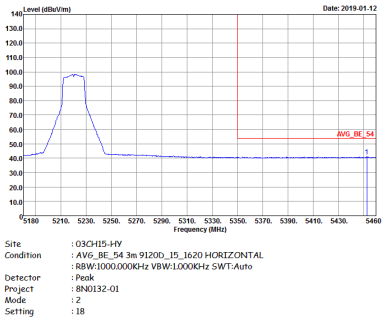
Band 1 - 5150~5250MHz

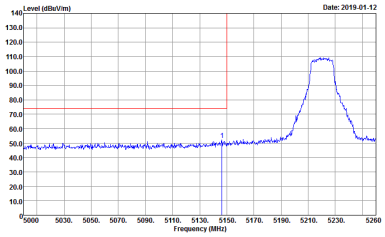
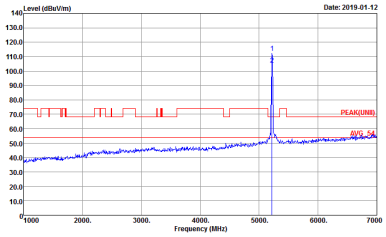
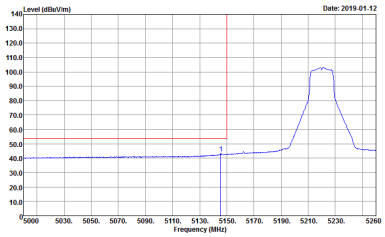
WIFI 802.11a (Band Edge @ 3m)

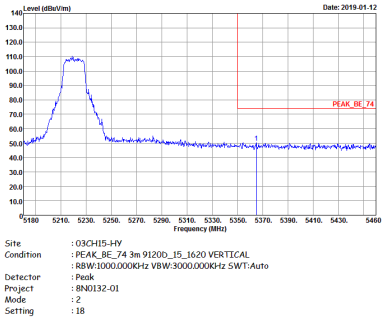
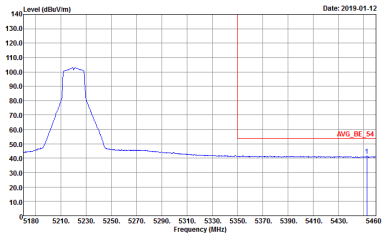
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

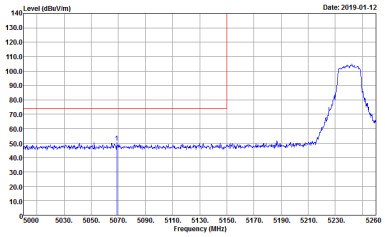
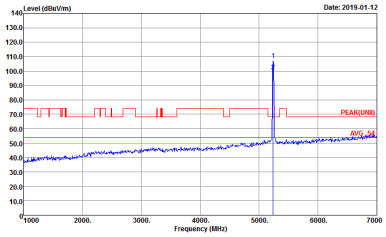
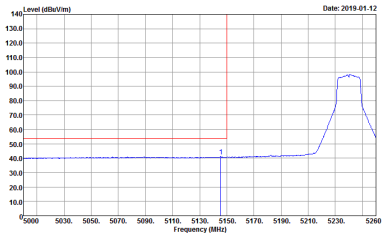
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 1 Setting : 20.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 1 Setting : 20.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 1 Setting : 20.5	Left blank

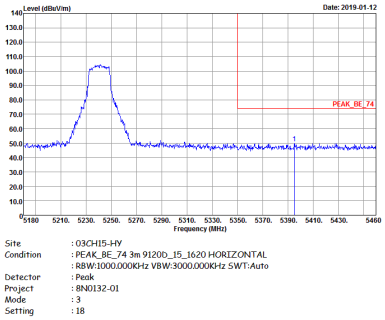
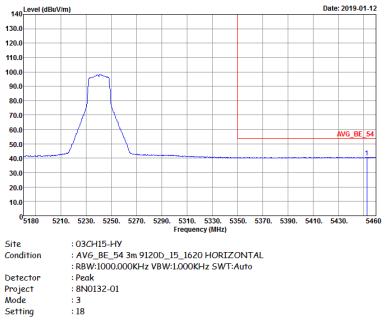
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 2 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 2 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 2 Setting : 18	Left blank

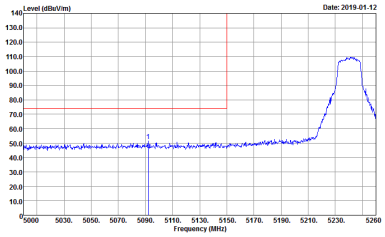
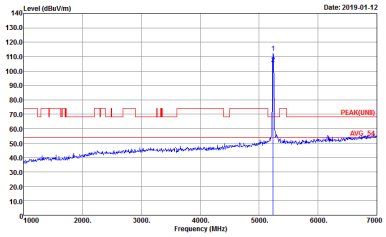
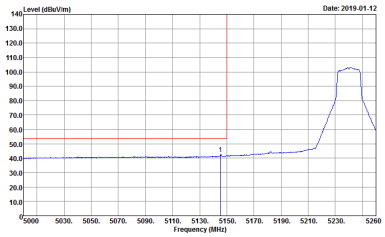
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 2 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 2 Setting : 18	Left blank

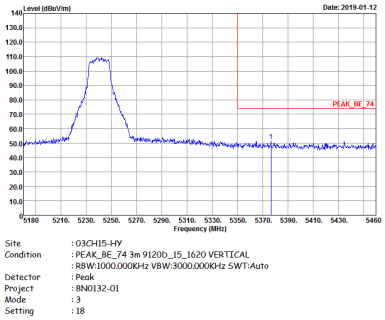
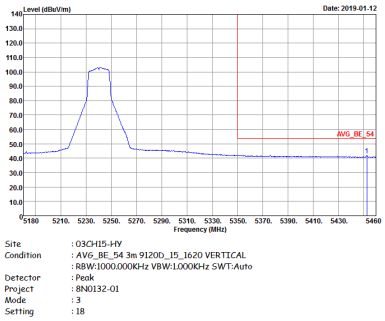
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 2 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 2 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 2 Setting : 18	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 2 Setting : 18	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 2 Setting : 18	Left blank

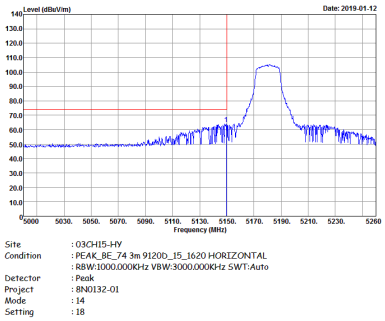
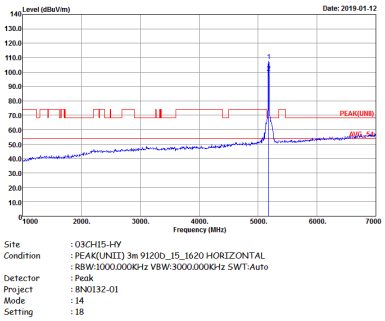
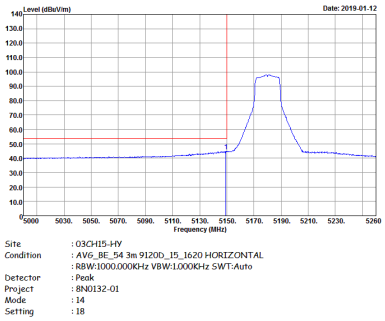
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 3 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 3 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 3 Setting : 18	Left blank

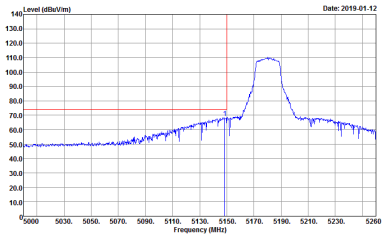
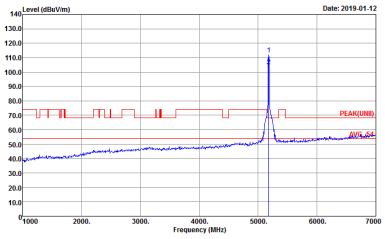
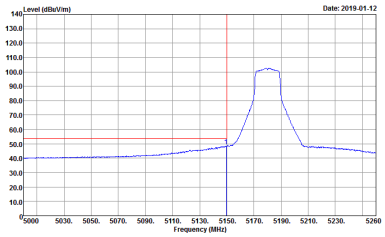
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 3 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 3 Setting : 18	Left blank

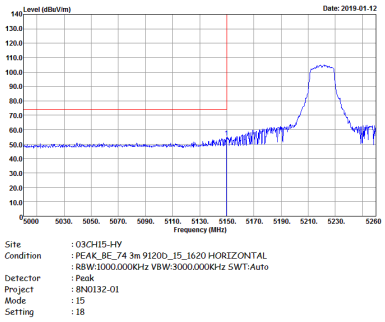
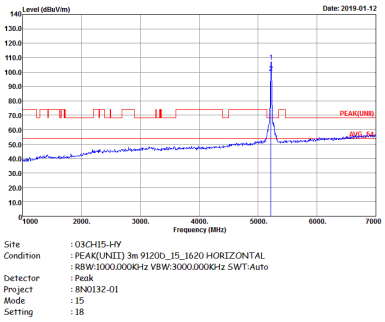
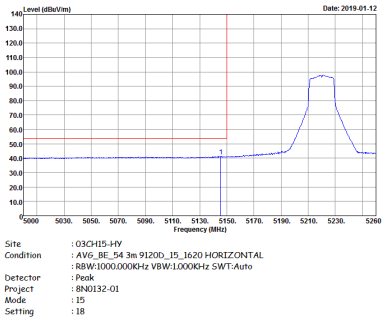
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 3 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 3 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 3 Setting : 18	Left blank

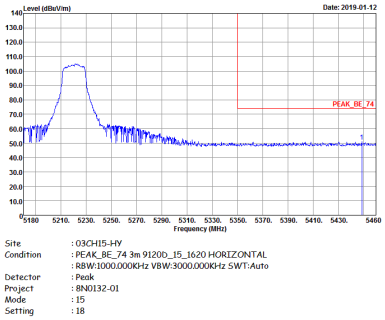
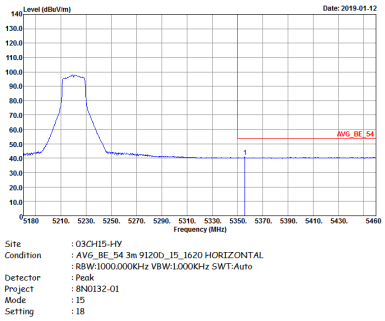
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 3 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 3 Setting : 18	Left blank

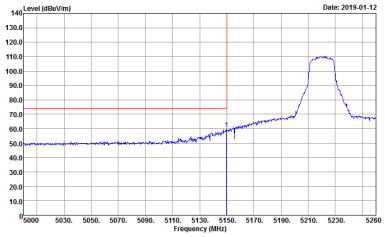
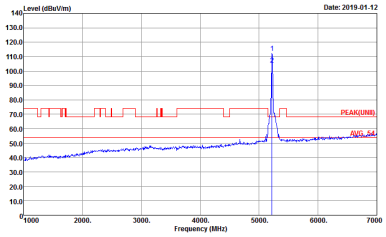
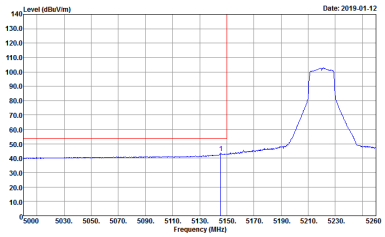
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

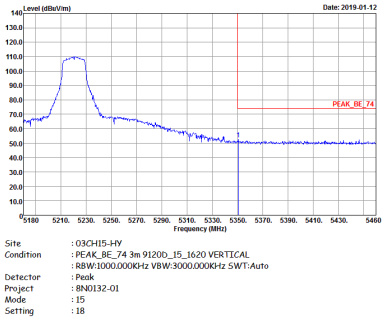
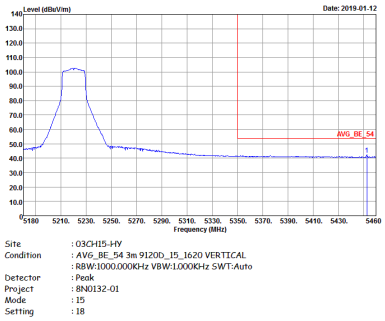
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

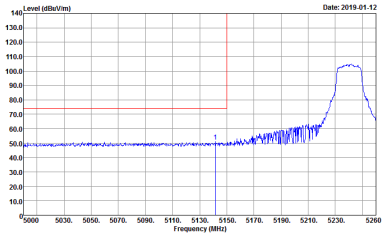
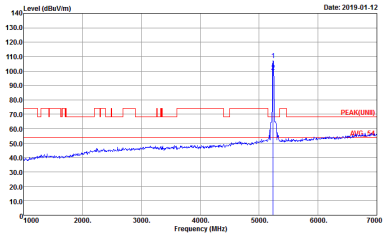
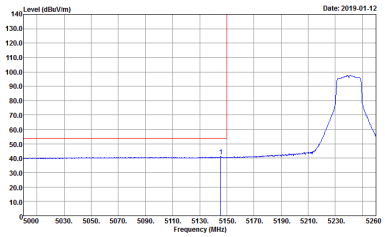
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 14 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 14 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 14 Setting : 18	Left blank

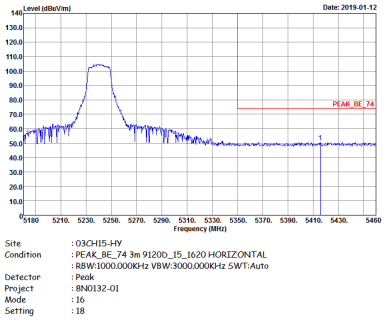
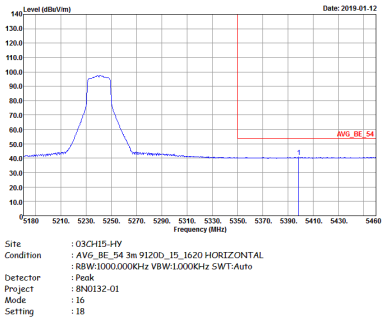
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

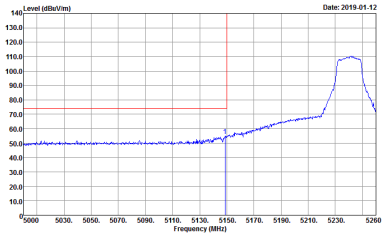
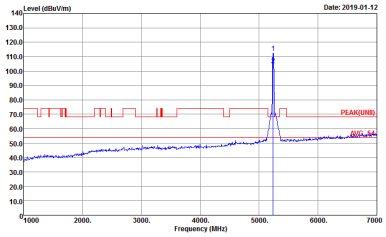
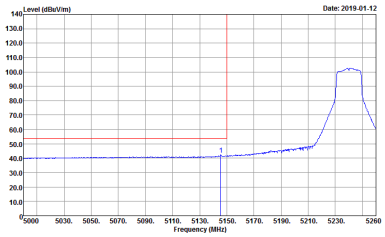
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 15 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 15 Setting : 18	Left blank

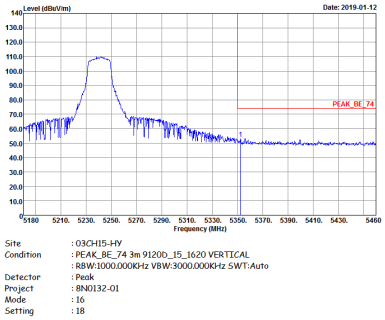
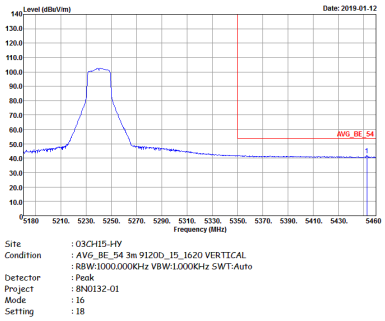
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 15 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 15 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 15 Setting : 18	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 15 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 15 Setting : 18	Left blank

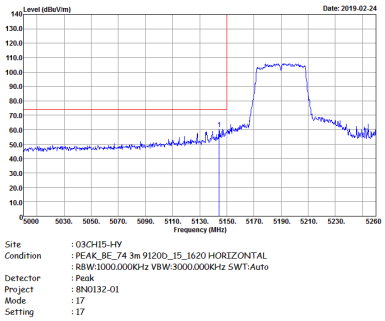
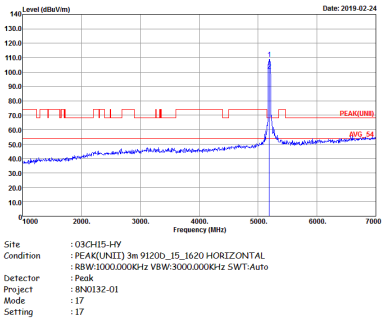
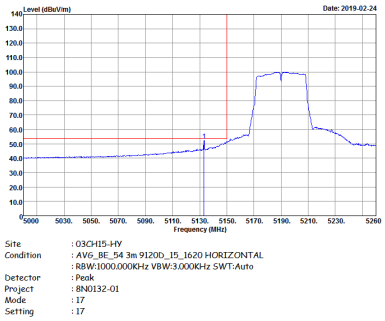
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 16 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 16 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 16 Setting : 18	Left blank

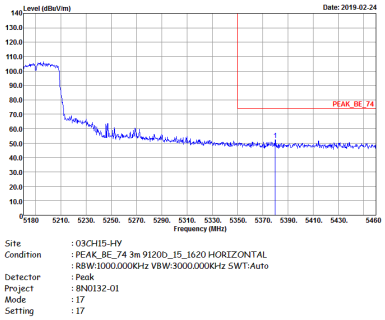
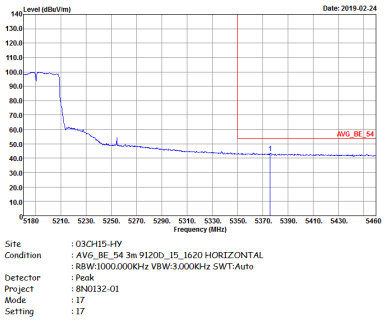
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 16 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 16 Setting : 18	Left blank

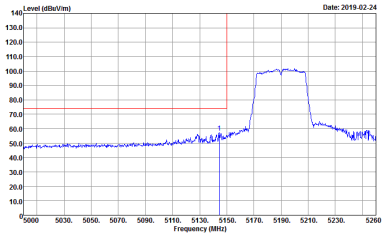
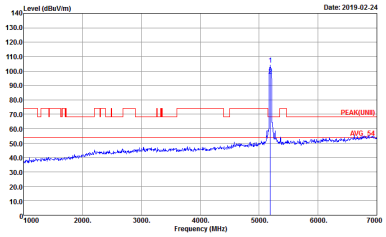
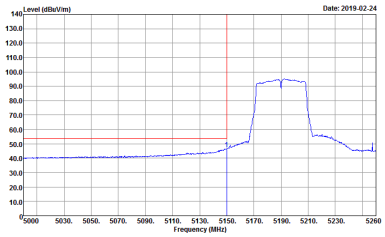
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 16 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 16 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 16 Setting : 18	Left blank

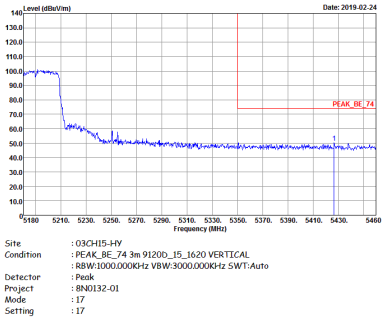
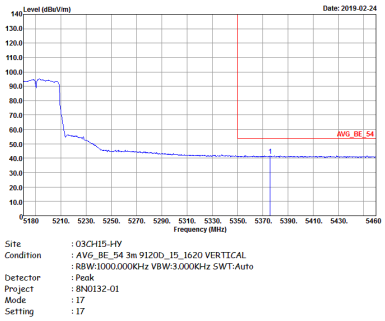
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 16 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 16 Setting : 18	Left blank

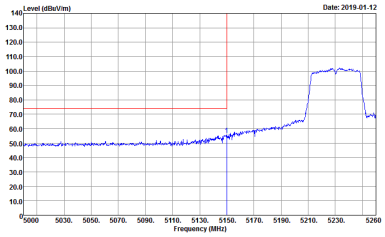
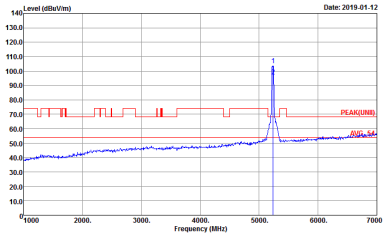
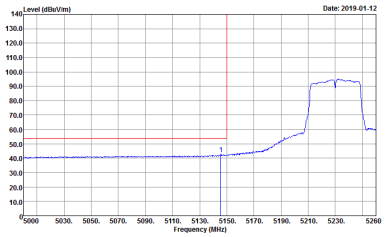
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

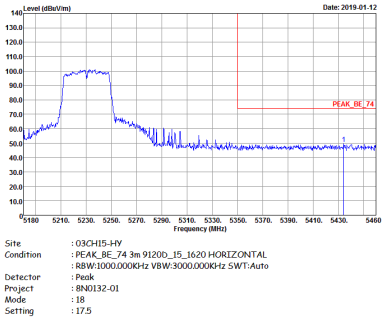
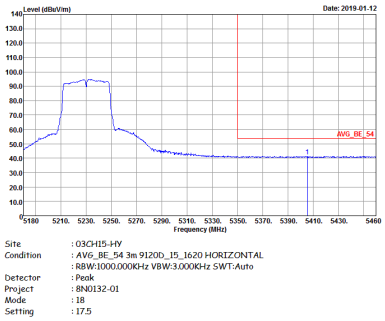
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

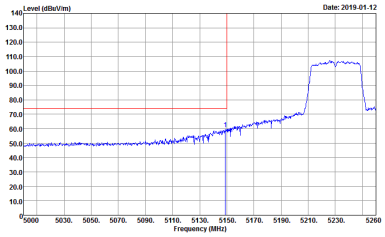
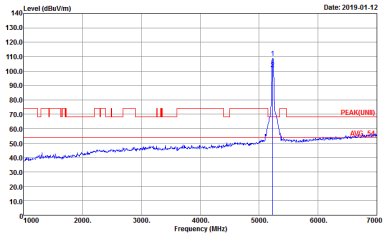
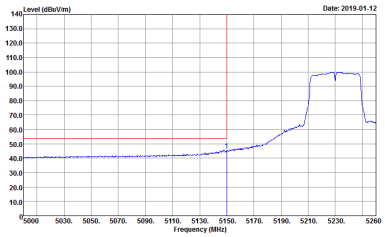
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 17 Setting : 17	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 17 Setting : 17	Left blank

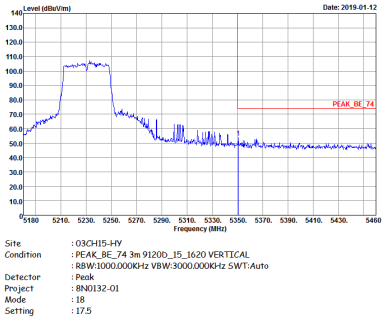
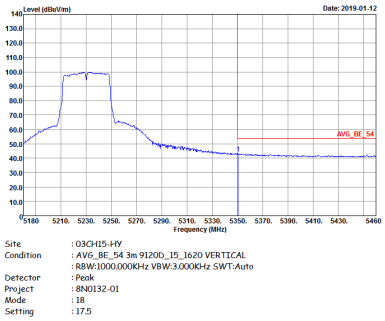
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 17 Setting : 17	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 17 Setting : 17
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 17 Setting : 17	Left blank

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

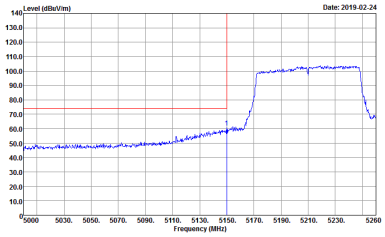
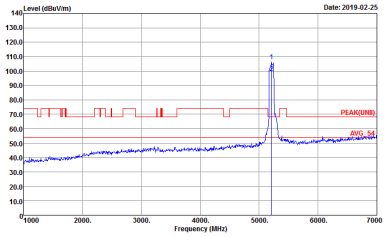
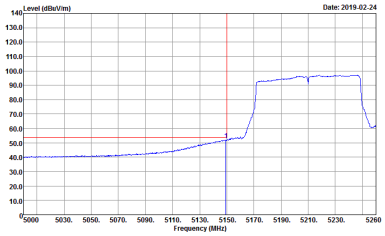
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 18 Setting : 17.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 18 Setting : 17.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 18 Setting : 17.5	Left blank

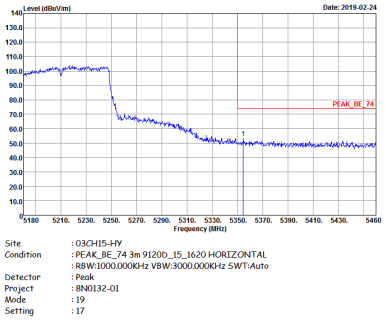
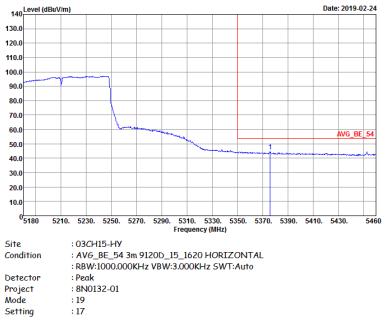
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 18 Setting : 17.5	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 18 Setting : 17.5	Left blank

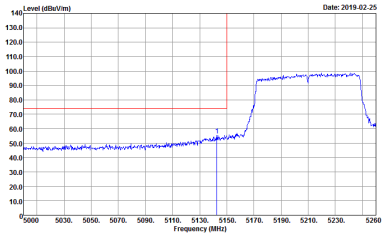
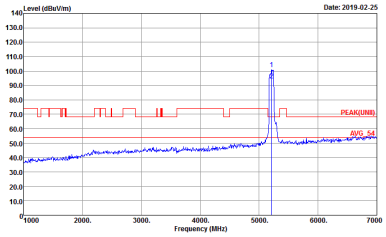
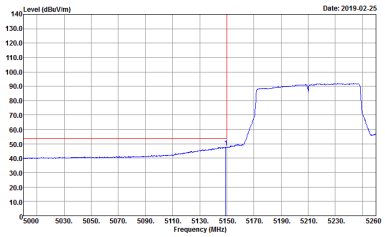
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 18 Setting : 17.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 18 Setting : 17.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 18 Setting : 17.5	Left blank

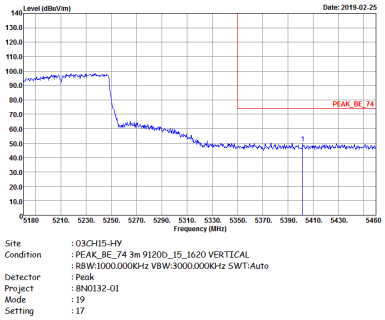
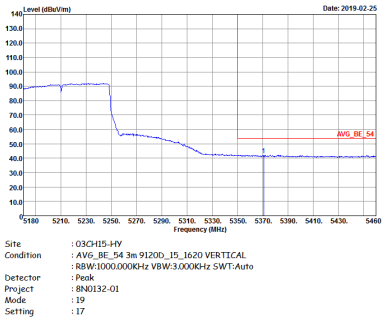
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 18 Setting : 17.5	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 18 Setting : 17.5	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 : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 19 Setting : 17	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 19 Setting : 17
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 19 Setting : 17	Left blank

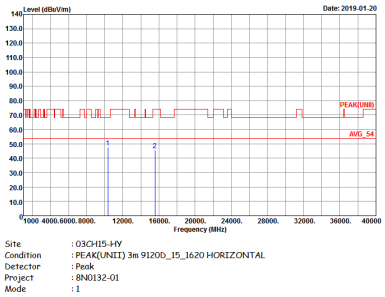
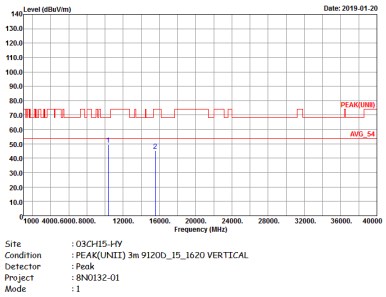
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 19 Setting : 17	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 19 Setting : 17	Left blank

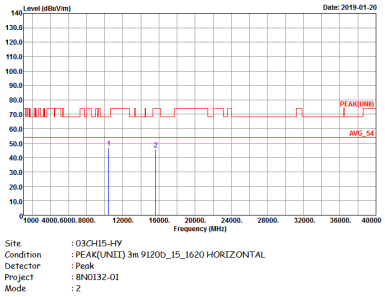
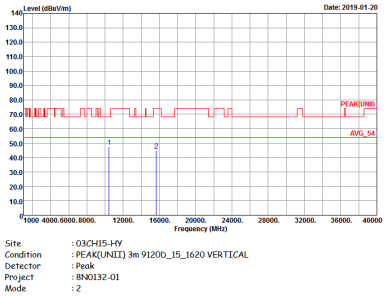
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 19 Setting : 17	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 19 Setting : 17
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 19 Setting : 17	Left blank

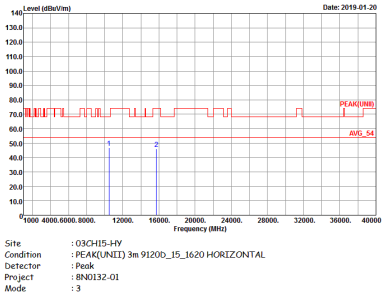
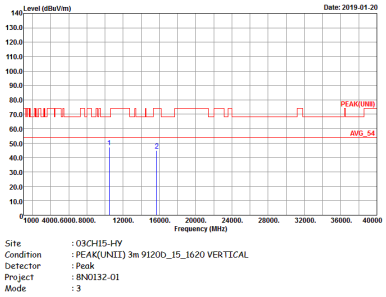
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

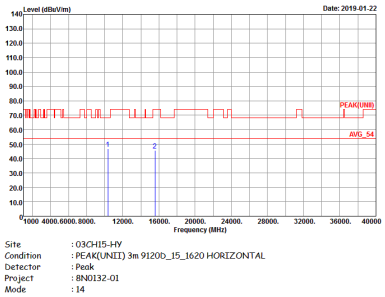
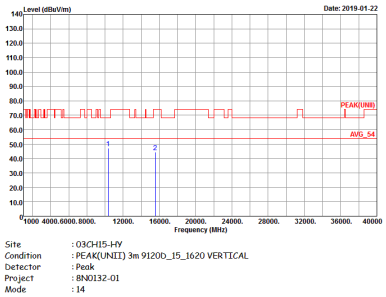
WIFI 802.11a (Harmonic @ 3m)

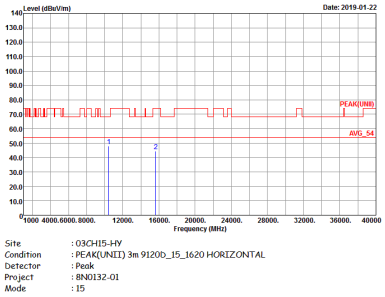
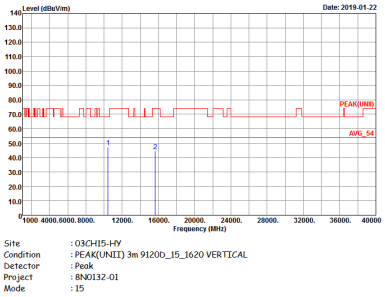
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

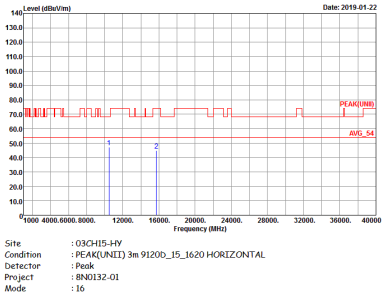
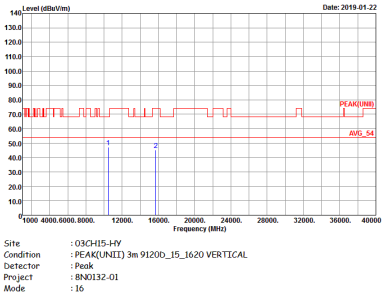
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

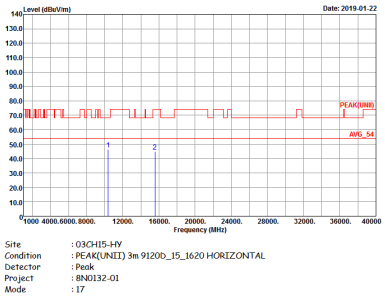
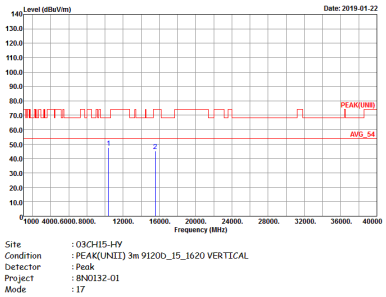
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

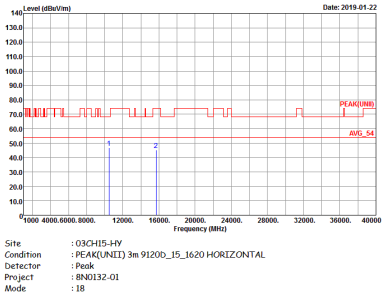
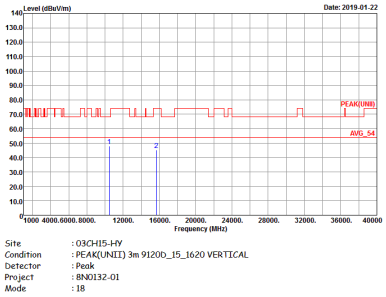
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

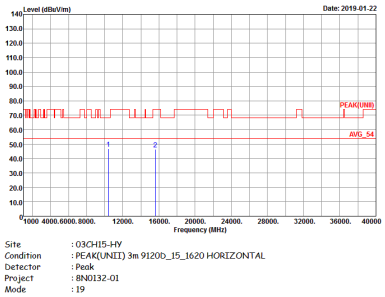
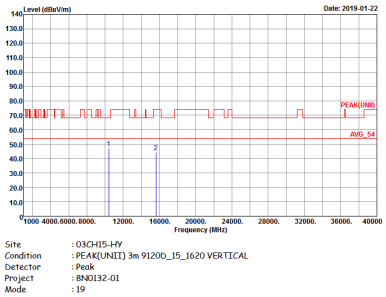
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

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.		

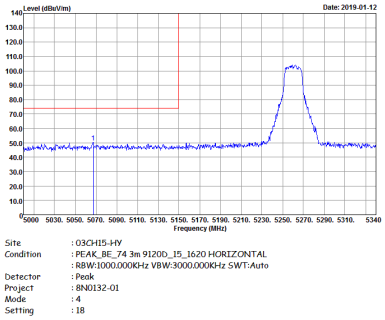
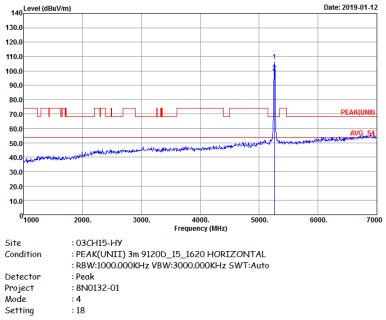
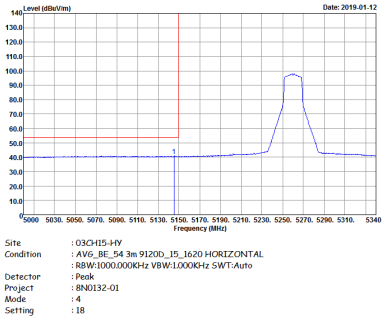
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

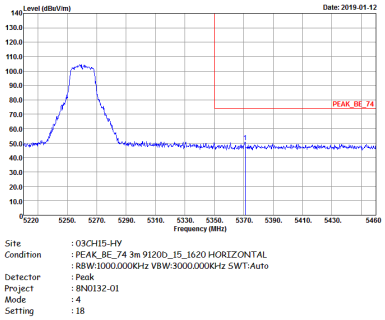
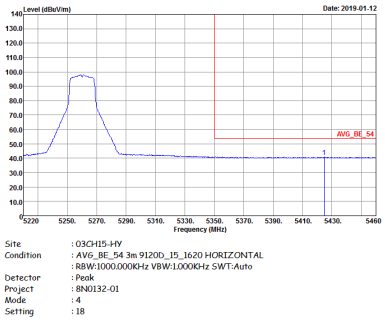
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

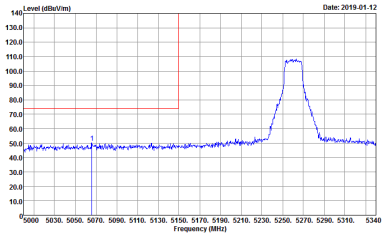
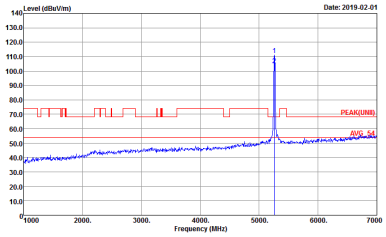
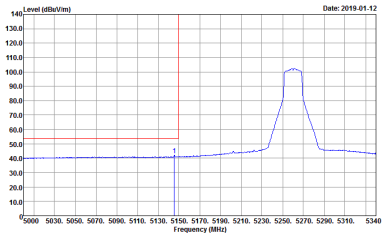
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 4 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 4 Setting : 18	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 4 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 4 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0132-01 Mode : 4 Setting : 18	Left blank