FCC RADIO TEST REPORT

FCC ID	:	**UZ7TC83BH**
Equipment	:	**Mobile Computer**
Brand Name	:	**ZEBRA**
Model Name	:	**TC83BH**
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. 11, 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.

Jones Tsai

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
FR8N0131-01E	01	Initial issue of report	Mar. 28, 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 1.16 dB at 5352.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 13.13 dB at 0.758 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	TC83BH
FCC ID	UZ7TC83BH
Sample 1	EUT with Scanner 1 (SE4750SR)
Sample 2	EUT with Scanner 2 (SE4750MR)
Sample 3	EUT with Scanner 3 (SE4850)
EUT supports Radios application	NFC 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	17-Oct-18
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: 16.74 dBm / 0.0472 W **<Ant. 2>** 802.11a : 17.84 dBm / 0.0608 W 802.11n HT20 : 17.76 dBm / 0.0597 W 802.11n HT40 : 17.98 dBm / 0.0628 W 802.11ac VHT20: 17.74 dBm / 0.0594 W 802.11ac VHT40: 17.97 dBm / 0.0627 W 802.11ac VHT80: 17.10 dBm / 0.0513 W **MIMO <Ant. 1+2>** 802.11a : 20.02 dBm / 0.1005 W 802.11n HT20 : 20.32 dBm / 0.1076 W 802.11n HT40 : 20.60 dBm / 0.1148 W 802.11ac VHT20: 20.30 dBm / 0.1072 W 802.11ac VHT40: 20.56 dBm / 0.1138 W 802.11ac VHT80: 18.09 dBm / 0.0644 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 : 17.93 dBm / 0.0621 W 802.11ac VHT20: 17.90 dBm / 0.0617 W 802.11ac VHT40: 17.91 dBm / 0.0618 W 802.11ac VHT80: 14.82 dBm / 0.0303 W **<Ant. 2>** 802.11a : 18.70 dBm / 0.0741 W 802.11n HT20 : 18.49 dBm / 0.0706 W 802.11n HT40 : 17.90 dBm / 0.0617 W 802.11ac VHT20: 18.45 dBm / 0.0700 W 802.11ac VHT40: 17.88 dBm / 0.0614 W 802.11ac VHT80: 14.09 dBm / 0.0256 W **MIMO <Ant. 1+2>** 802.11a : 19.55 dBm / 0.0902 W 802.11n HT20 : 19.97 dBm / 0.0993 W 802.11n HT40 : 20.63 dBm / 0.1156 W 802.11ac VHT20: 19.93 dBm / 0.0984 W 802.11ac VHT40: 20.59 dBm / 0.1146 W 802.11ac VHT80: 12.23 dBm / 0.0167 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 : 15.87 dBm / 0.0386 W 802.11ac VHT20: 18.06 dBm / 0.0640 W 802.11ac VHT40: 15.86 dBm / 0.0385 W 802.11ac VHT80: 15.97 dBm / 0.0395 W **<Ant. 2>** 802.11a : 19.71 dBm / 0.0935 W 802.11n HT20 : 19.62 dBm / 0.0916 W 802.11n HT40 : 16.77 dBm / 0.0475 W 802.11ac VHT20: 19.44 dBm / 0.0879 W 802.11ac VHT40: 16.74 dBm / 0.0472 W 802.11ac VHT80: 16.98 dBm / 0.0499 W **MIMO <Ant. 1+2>** 802.11a : 18.84 dBm / 0.0766 W 802.11n HT20 : 18.77 dBm / 0.0753 W 802.11n HT40 : 18.85 dBm / 0.0767 W 802.11ac VHT20: 18.74 dBm / 0.0748 W 802.11ac VHT40: 18.83 dBm / 0.0764 W 802.11ac VHT80: 18.91 dBm / 0.0778 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: 19.64 dBm / 0.0920 W 802.11ac VHT80: 20.26 dBm / 0.1062 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1+2>** 802.11ac VHT20: 19.37 dBm / 0.0865 W 802.11ac VHT40: 19.84 dBm / 0.0964 W 802.11ac VHT80: 18.21 dBm / 0.0662 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 1+2>** 802.11ac VHT20: 18.77 dBm / 0.0753 W 802.11ac VHT40: 19.00 dBm / 0.0794 W 802.11ac VHT80: 18.46 dBm / 0.0701 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 : 36.56 MHz
802.11ac VHT80 : 76.84 MHz
<Ant. 2>
802.11a : 16.93 MHz
802.11n HT20 : 18.03 MHz
802.11n HT40 : 36.66 MHz
802.11ac VHT80 : 76.84 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 : 36.96 MHz
802.11ac VHT80 : 77.32 MHz
MIMO <Ant. 2>
802.11n VHT20 : 19.08 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 4.17 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 5.19 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.**
	03CH13-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 (Z plane for CDD Mode and Y plane for 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 + Camera + USB Cable (Data Link with Notebook) (Notebook to SD Card) + Battery 2 + 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 3.

<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	17.80	17.82	17.81	17.85	17.53	17.51	17.60
CH 044	5220	**17.97**								
CH 048	5240	17.95								
CH 052	5260	17.93	CH 064	17.94	17.91	17.95	17.97	17.80	17.75	17.77
CH 060	5300	17.97								
CH 064	5320	**17.99**								
CH 100	5500	18.08	CH 116	18.04	18.05	18.20	18.11	17.78	17.78	17.89
CH 116	5580	**18.24**								
CH 140	5700	15.76								
CH 144	5720	15.75								

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	17.82	17.84	17.84	17.67	17.58	17.57	17.79
CH 044	5220	**17.85**								
CH 048	5240	17.82								
CH 052	5260	17.86	CH 064	17.91	17.92	17.93	17.91	17.79	17.81	17.91
CH 060	5300	17.85								
CH 064	5320	**17.94**								
CH 100	5500	17.95	CH 116	17.92	18.01	18.07	18.01	17.85	17.83	18.06
CH 116	5580	**18.08**								
CH 140	5700	15.60								
CH 144	5720	15.60								

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

802.11n HT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		92.04		85.82	78.50	75.58	69.70	64.91	64.15	61.54
CH 038	5190	16.32	CH 046	17.84	17.97	17.92	17.82	17.78	17.72	17.82
CH 046	5230	**17.98**								
CH 054	5270	**17.93**	CH 054	17.90	17.92	17.88	17.92	17.88	17.86	17.92
CH 062	5310	15.92								
CH 102	5510	15.85	CH 142	15.84	15.83	15.83	15.72	15.68	15.61	15.66
CH 110	5550	15.63								
CH 134	5670	15.65								
CH 142	5710	**15.87**								

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	17.79	17.80	17.81	17.64	17.65	17.57	17.53	17.69
CH 044	5220	**17.82**									
CH 048	5240	17.81									
CH 052	5260	17.83	CH 064	17.89	17.89	17.88	17.86	17.89	17.83	17.82	17.89
CH 060	5300	17.80									
CH 064	5320	**17.90**									
CH 100	5500	17.90	CH 116	18.03	18.04	17.99	17.86	17.89	17.76	17.82	17.94
CH 116	5580	**18.06**									
CH 140	5700	15.59									
CH 144	5720	15.58									

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	16.26	CH 046	17.88	17.86	17.92	17.87	17.88	17.76	17.67	17.85	17.92
CH 046	5230	**17.95**										
CH 054	5270	**17.91**	CH 054	17.87	17.88	17.89	17.90	17.88	17.86	17.83	17.89	17.89
CH 062	5310	15.91										
CH 102	5510	15.82	CH 142	15.84	15.83	15.81	15.84	15.80	15.81	15.79	15.82	15.81
CH 110	5550	15.60										
CH 134	5670	15.64										
CH 142	5710	**15.86**										

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	**16.74**	CH 042	16.70	16.73	16.49	16.36	16.44	16.41	16.53	16.42	16.63
CH 058	5290	**14.82**	CH 058	14.59	14.66	14.64	14.55	14.56	14.56	14.68	14.56	14.74
CH 106	5530	15.57	CH 138	15.96	15.66	15.68	15.61	15.67	15.71	15.69	15.69	15.77
CH 122	5610	15.91										
CH 138	5690	**15.97**										

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	17.82	CH 048	17.80	17.81	17.83	17.83	17.59	17.64	17.71
CH 044	5220	17.76								
CH 048	5240	**17.84**								
CH 052	5260	**18.70**	CH 052	18.56	18.48	18.52	18.54	17.98	18.14	18.07
CH 060	5300	17.89								
CH 064	5320	17.99								
CH 100	5500	19.05	CH 116	19.69	19.68	19.69	19.70	19.43	19.53	19.56
CH 116	5580	**19.71**								
CH 140	5700	16.70								
CH 144	5720	16.65								

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	**17.76**	CH 036	17.68	17.72	17.75	17.48	17.71	17.67	17.64
CH 044	5220	17.68								
CH 048	5240	17.70								
CH 052	5260	**18.49**	CH 052	18.40	18.36	18.40	17.83	18.12	18.08	18.06
CH 060	5300	17.72								
CH 064	5320	17.98								
CH 100	5500	18.95	CH 116	19.59	19.59	19.61	19.33	19.53	19.43	19.44
CH 116	5580	**19.62**								
CH 140	5700	16.56								
CH 144	5720	16.58								

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	17.36	CH 046	17.92	17.83	17.81	17.78	17.81	17.85	17.81
CH 046	5230	**17.98**								
CH 054	5270	**17.90**	CH 054	17.85	17.80	17.81	17.73	17.70	17.84	17.76
CH 062	5310	15.44								
CH 102	5510	16.64	CH 142	16.73	16.73	16.75	16.75	16.71	16.75	16.72
CH 110	5550	16.66								
CH 134	5670	16.64								
CH 142	5710	**16.77**								

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	**17.74**	CH 036	17.73	17.72	17.71	17.71	17.62	17.61	17.57	17.73
CH 044	5220	17.66									
CH 048	5240	17.68									
CH 052	5260	**18.45**	CH 052	18.41	18.31	18.41	18.14	17.95	18.01	17.92	18.20
CH 060	5300	17.69									
CH 064	5320	17.95									
CH 100	5500	18.92	CH 116	19.43	19.41	19.42	19.42	19.37	19.37	19.32	19.38
CH 116	5580	**19.44**									
CH 140	5700	16.55									
CH 144	5720	16.56									

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	17.34	CH 046	17.82	17.84	17.88	17.88	17.82	17.78	17.81	17.83	17.78
CH 046	5230	**17.97**										
CH 054	5270	**17.88**	CH 054	17.76	17.86	17.83	17.84	17.75	17.72	17.74	17.79	17.82
CH 062	5310	15.40										
CH 102	5510	16.58	CH 142	16.67	16.70	16.67	16.70	16.71	16.68	16.67	16.68	16.72
CH 110	5550	16.64										
CH 134	5670	16.61										
CH 142	5710	**16.74**										

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	**17.10**	CH 042	17.08	17.08	16.73	16.75	16.74	16.81	16.81	16.77	16.85
CH 058	5290	**14.09**	CH 058	14.07	14.08	14.08	13.81	13.81	13.79	13.77	13.87	13.86
CH 106	5530	**16.98**	CH 106	16.92	16.93	16.91	16.95	16.93	16.95	16.93	16.93	16.92
CH 122	5610	16.85										
CH 138	5690	16.82										

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

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802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)											
CH 036	5180	19.92	CH 048	19.98	19.98	19.96	20.01	19.68	19.68	19.73
CH 044	5220	20.01								
CH 048	5240	**20.02**								
CH 052	5260	19.54	CH 060	19.49	19.54	19.53	19.54	19.37	19.40	19.45
CH 060	5300	**19.55**								
CH 064	5320	19.17								
CH 100	5500	**18.84**	CH 100	18.80	18.83	18.80	18.83	18.65	18.72	18.65
CH 116	5580	18.64								
CH 140	5700	18.45								
CH 144	5720	18.36								

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	20.29	CH 048	20.31	20.31	20.31	20.23	20.12	20.06	20.03
CH 044	5220	20.31								
CH 048	5240	**20.32**								
CH 052	5260	19.93	CH 060	19.88	19.93	19.96	19.86	19.76	19.76	19.70
CH 060	5300	**19.97**								
CH 064	5320	19.94								
CH 100	5500	18.73	CH 140	18.74	18.42	18.50	18.43	18.23	18.24	18.21
CH 116	5580	18.53								
CH 140	5700	**18.77**								
CH 144	5720	18.72								

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	18.51	CH 046	20.45	20.52	20.55	20.45	20.45	20.47	20.45
CH 046	5230	**20.60**								
CH 054	5270	**20.63**	CH 054	20.58	20.55	20.56	20.51	20.56	20.52	20.53
CH 062	5310	13.97								
CH 102	5510	**18.85**	CH 102	18.80	18.82	18.83	18.79	18.81	18.81	18.82
CH 110	5550	18.79								
CH 134	5670	18.72								
CH 142	5710	18.49								

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	20.27	CH 048	20.29	20.28	20.28	20.04	20.02	20.05	20.05	20.01
CH 044	5220	20.29									
CH 048	5240	**20.30**									
CH 052	5260	19.90	CH 064	19.91	19.90	19.92	19.85	19.90	19.83	19.82	19.89
CH 060	5300	19.82									
CH 064	5320	**19.93**									
CH 100	5500	18.70	CH 140	18.73	18.73	18.73	18.67	18.69	18.70	18.69	18.73
CH 116	5580	18.52									
CH 140	5700	**18.74**									
CH 144	5720	18.71									

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

802.11ac VHT40 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)												
CH 038	5190	18.50	CH 046	20.41	20.41	20.52	20.46	20.46	20.44	20.52	20.48	20.43
CH 046	5230	**20.56**										
CH 054	5270	**20.59**	CH 054	20.51	20.52	20.58	20.57	20.54	20.50	20.58	20.52	20.57
CH 062	5310	13.86										
CH 102	5510	**18.83**	CH 102	18.81	18.78	18.77	18.79	18.73	18.73	18.80	18.79	18.76
CH 110	5550	18.76										
CH 134	5670	18.71										
CH 142	5710	18.45										

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	**18.09**	CH 042	18.01	18.02	17.97	17.98	18.01	18.02	18.02	18.08	18.07
CH 058	5290	**12.23**	CH 058	12.16	12.21	12.22	12.18	12.22	12.16	12.19	12.22	12.22
CH 106	5530	17.30	CH 122	18.60	18.55	18.52	18.48	18.66	18.61	18.66	18.68	18.69
CH 122	5610	**18.91**										
CH 138	5690	18.58										

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

<TXBF Mode>

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802.11ac VHT20 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)												
CH 036	5180	19.12	CH 044	19.32	18.97	18.90	19.14	19.14	19.14	19.27	19.29
CH 044	5220	**19.35**									
CH 048	5240	19.27									
CH 052	5260	**19.37**	CH 052	19.32	18.80	18.80	19.02	18.92	18.92	19.25	19.27
CH 060	5300	19.22									
CH 064	5320	19.24									
CH 100	5500	**18.77**	CH 100	18.67	18.30	18.20	18.47	18.39	18.42	18.59	18.42
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	19.61	CH 046	18.75	19.26	19.32	19.23	19.33	19.30	19.37	19.23	19.34
CH 046	5230	**19.64**										
CH 054	5270	19.62	CH 062	19.00	19.42	19.59	19.73	19.71	19.78	19.71	19.71	19.68
CH 062	5310	**19.84**										
CH 102	5510	18.95	CH 110	18.27	18.90	18.94	18.63	18.53	18.47	18.53	18.60	18.70
CH 110	5550	**19.00**										
CH 134	5670	18.78										
CH 142	5710	18.73										

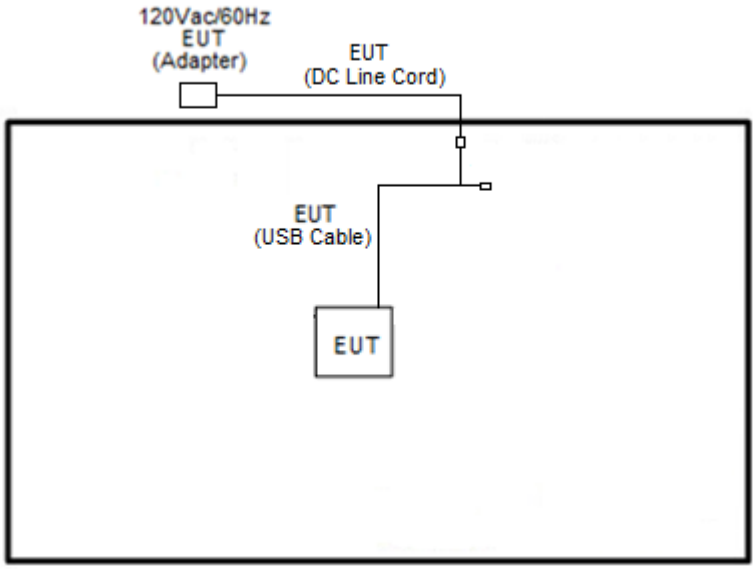
Note: The above Frequency and Channel in "*" were straddle Channel.

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	**20.26**	CH 042	19.36	19.52	19.67	19.91	19.90	19.80	19.78	19.78	19.64
CH 058	5290	**18.21**	CH 058	18.11	17.63	17.74	17.85	17.80	17.81	17.91	18.02	18.01
CH 106	5530	**18.46**	CH 106	17.96	18.11	18.11	18.27	18.27	18.33	18.32	18.32	18.37
CH 122	5610	18.26										
CH 138	5690	18.31										

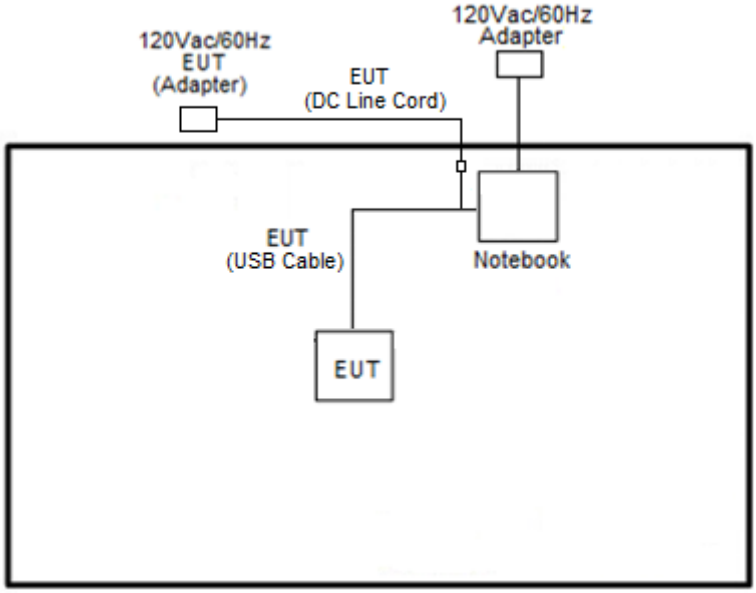
Note: The above Frequency and Channel in "*" were straddle Channel.

2.3 Connection Diagram of Test System

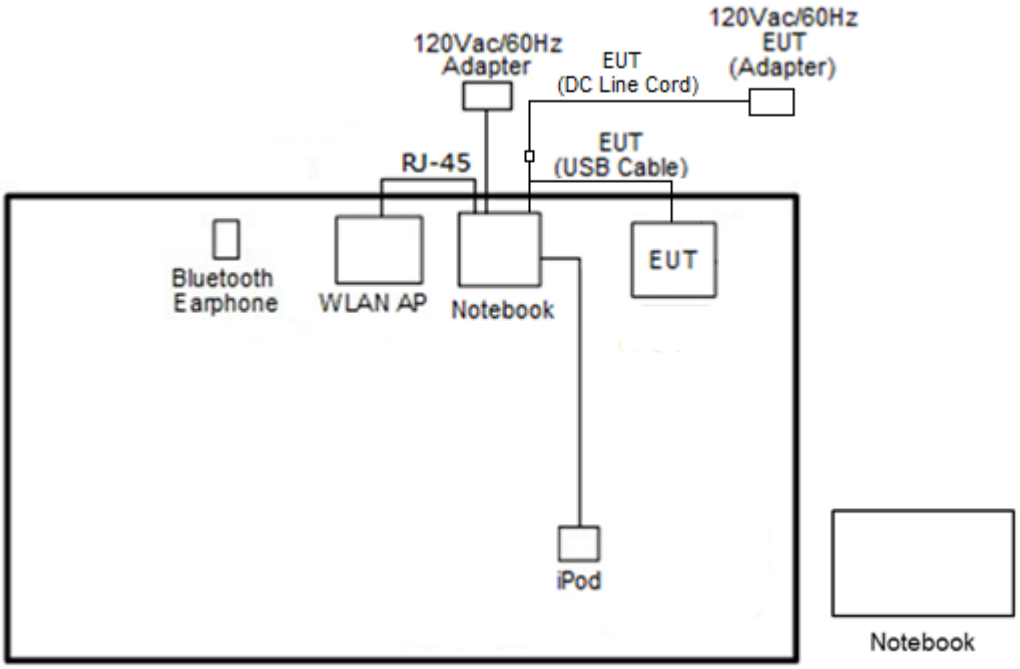
<WLAN Tx Mode>



<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	DELL	P20G	FCC DoC/ Contains FCC ID: QDS-BRCM1051	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>

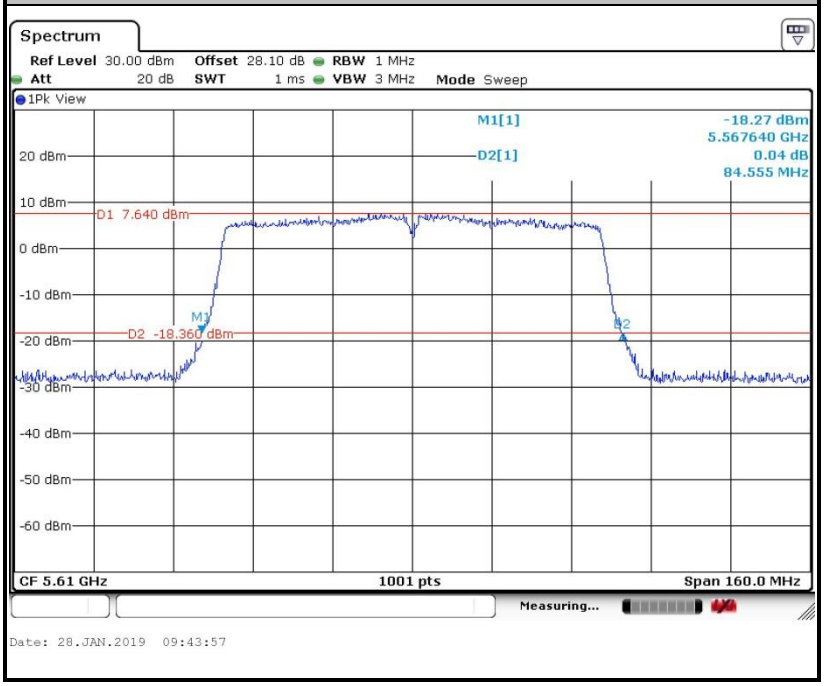
Band I												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	36	5180	16.83	16.83	25.06	25.30	-		22.26	22.26
11a	6Mbps	1	44	5220	16.93	16.83	24.82	25.42	-		22.29	22.26
11a	6Mbps	1	48	5240	16.93	16.93	26.13	25.53	-		22.29	22.29
HT20	MCS0	1	36	5180	18.03	17.93	25.12	25.95	-		22.56	22.54
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	26.25	-		22.56	22.56
HT40	MCS0	1	38	5190	36.46	36.46	41.72	41.60	-		23.01	23.01
HT40	MCS0	1	46	5230	36.56	36.56	41.72	42.08	-		23.01	23.01
VHT80	MCS0	1	42	5210	**76.84**	76.72	**84.24**	83.44	-		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	18.03	26.13	26.13	23.56	23.56	29.56	29.56	23.98	23.98
HT20	MCS0	1	60	5300	17.98	18.03	26.07	26.37	23.55	23.56	29.55	29.56	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	42.32	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**	76.72	84.08	**84.24**	23.98	23.98	30.00	30.00	23.98	23.98
11a	6Mbps	2	52	5260	16.83	16.73	25.18	24.10	23.24		29.24		23.98	
11a	6Mbps	2	60	5300	16.83	16.78	25.30	25.42	23.25		29.25		23.98	
11a	6Mbps	2	64	5320	16.88	16.78	24.70	24.52	23.25		29.25		23.98	
HT20	MCS0	2	52	5260	17.93	17.98	26.49	26.01	23.54		29.54		23.98	
HT20	MCS0	2	60	5300	18.08	17.98	26.19	25.36	23.55		29.55		23.98	
HT20	MCS0	2	64	5320	18.03	17.93	26.43	25.95	23.54		29.54		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	41.84	41.96	23.98		30.00		23.98	
VHT80	MCS0	2	58	5290	**76.84**	**76.84**	**84.24**	83.28	23.98		30.00		23.98	

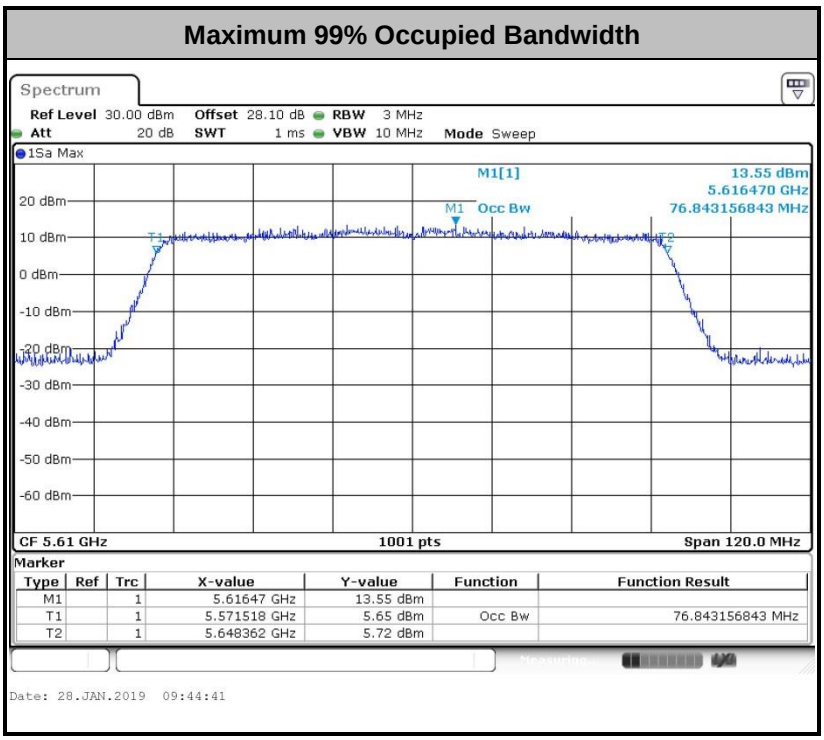
Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.78	16.83	25.23	24.82	23.25	23.26	29.25	29.26	23.98	23.98	----	----
11a	6Mbps	1	116	5580	16.83	16.88	25.18	25.18	23.26	23.27	29.26	29.27	23.98	23.98	----	----
11a	6Mbps	1	140	5700	16.88	16.83	25.36	24.94	23.27	23.26	29.27	29.26	23.98	23.98	----	----
11a	6Mbps	1	144	5720	13.39	13.39	17.23	17.29	22.27	22.27	28.27	28.27	23.36	23.38	2.892	2.543
HT20	MCS0	1	100	5500	17.93	17.98	27.03	26.25	23.54	23.55	29.54	29.55	23.98	23.98	----	----
HT20	MCS0	1	116	5580	17.93	17.93	26.25	26.01	23.54	23.54	29.54	29.54	23.98	23.98	----	----
HT20	MCS0	1	140	5700	17.98	17.98	25.83	26.19	23.55	23.55	29.55	29.55	23.98	23.98	----	----
HT20	MCS0	1	144	5720	13.99	13.99	17.59	17.89	22.46	22.46	28.46	28.46	23.45	23.53	3.341	3.092
HT40	MCS0	1	102	5510	36.56	36.56	41.84	42.08	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	110	5550	36.56	36.66	42.08	42.20	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	134	5670	36.56	36.56	42.20	41.96	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	142	5710	33.28	33.28	36.10	35.86	23.98	23.98	30.00	30.00	23.98	23.98	3.162	3.162
VHT80	MCS0	1	106	5530	76.72	**76.84**	83.76	84.24	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	122	5610	**76.84**	**76.84**	**84.56**	84.24	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	138	5690	73.36	73.36	77.36	76.56	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	16.83	16.78	24.82	25.53	23.25		29.25		23.98		----	----
11a	6Mbps	2	116	5580	16.78	16.78	24.82	23.74	23.25		29.25		23.98		----	----
11a	6Mbps	2	140	5700	16.83	16.73	24.46	25.06	23.24		29.24		23.98		----	----
11a	6Mbps	2	144	5720	13.44	13.39	17.47	16.99	22.27		28.27		23.30		2.892	3.092
HT20	MCS0	2	100	5500	17.98	17.88	26.37	25.48	23.52		29.52		23.98		----	----
HT20	MCS0	2	116	5580	17.93	17.93	26.01	26.85	23.54		29.54		23.98		----	----
HT20	MCS0	2	140	5700	17.93	17.93	25.24	25.18	23.54		29.54		23.98		----	----
HT20	MCS0	2	144	5720	13.99	13.99	18.01	17.65	22.46		28.46		23.47		3.142	3.491
HT40	MCS0	2	102	5510	36.66	36.66	41.72	42.32	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.66	36.66	41.84	42.32	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.56	36.56	41.72	41.96	23.98		30.00		23.98		----	----
HT40	MCS0	2	142	5710	33.38	33.38	35.86	36.10	23.98		30.00		23.98		2.88	3.08
VHT80	MCS0	2	106	5530	**76.84**	**76.84**	83.60	83.44	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	**76.84**	76.72	83.60	83.44	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	73.36	73.36	76.40	76.72	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.

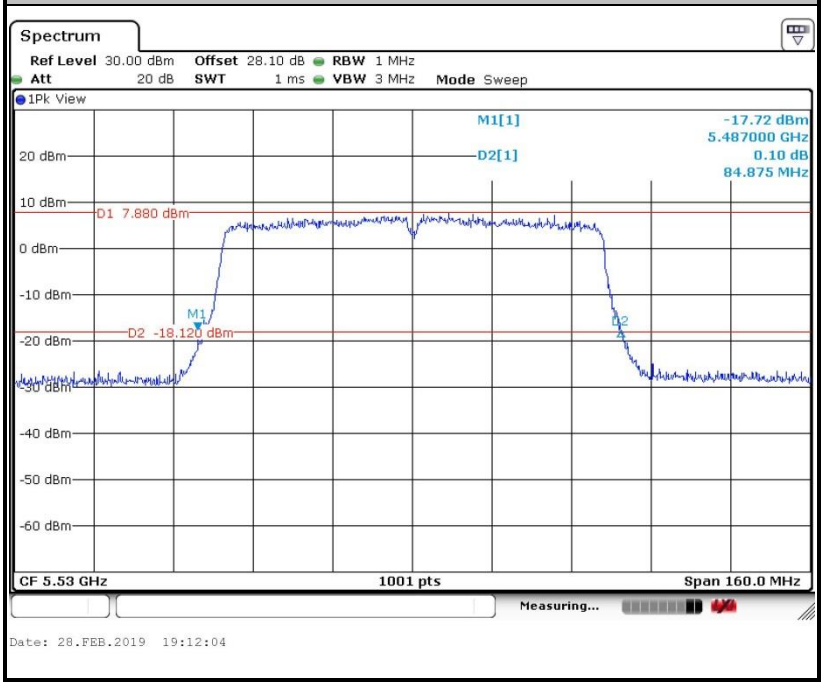
<TXBF Mode>

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	36.66	36.66	40.88	42.44	-		23.01	
VHT40	MCS0	2	46	5230	36.66	36.56	41.12	42.44	-		23.01	
VHT80	MCS0	2	42	5210	76.60	**76.72**	82.48	**84.24**	-		23.01	

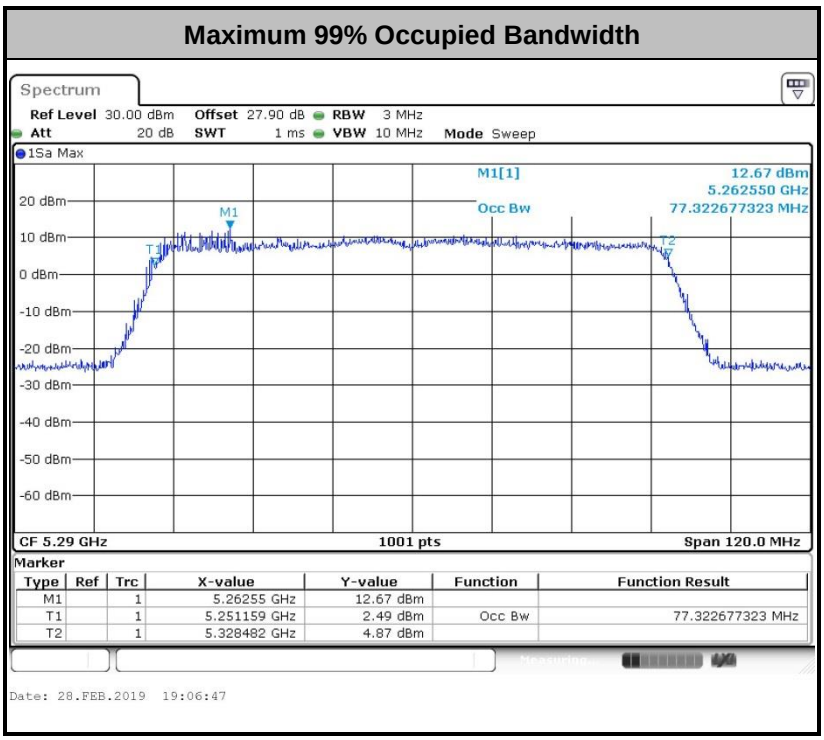
Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
VHT20	MCS0	2	52	5260	17.63	18.98	22.60	28.95	23.46		29.46		23.98	
VHT20	MCS0	2	60	5300	17.63	19.08	23.20	27.39	23.46		29.46		23.98	
VHT20	MCS0	2	64	5320	17.68	18.93	22.84	27.57	23.48		29.48		23.98	
VHT40	MCS0	2	54	5270	36.56	36.56	41.00	42.80	23.98		30.00		23.98	
VHT40	MCS0	2	62	5310	36.56	36.56	41.60	42.20	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	36.96	36.66	41.12	42.50	23.98		30.00		23.98		----	----
VHT40	MCS0	2	142	5710	33.68	33.38	36.82	36.70	23.98		30.00		23.98		2.585	3.184
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>

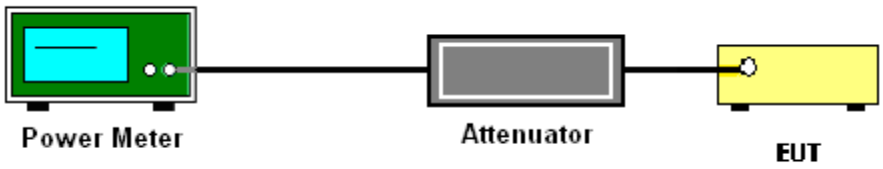
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

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	17.82		24.00	24.00	4.92	4.17	Pass
11a	6Mbps	1	44	5220	0.19	0.21	17.97	17.76		24.00	24.00	4.92	4.17	Pass
11a	6Mbps	1	48	5240	0.19	0.21	17.95	17.84		24.00	24.00	4.92	4.17	Pass
HT20	MCS0	1	36	5180	0.20	0.20	17.65	17.76		24.00	24.00	4.92	4.17	Pass
HT20	MCS0	1	44	5220	0.20	0.20	17.85	17.68		24.00	24.00	4.92	4.17	Pass
HT20	MCS0	1	48	5240	0.20	0.20	17.82	17.70		24.00	24.00	4.92	4.17	Pass
HT40	MCS0	1	38	5190	0.36	0.40	16.32	17.36		24.00	24.00	4.92	4.17	Pass
HT40	MCS0	1	46	5230	0.36	0.40	17.98	17.98		24.00	24.00	4.92	4.17	Pass
VHT20	MCS0	1	36	5180	0.20	0.20	17.64	17.74		24.00	24.00	4.92	4.17	Pass
VHT20	MCS0	1	44	5220	0.20	0.20	17.82	17.66		24.00	24.00	4.92	4.17	Pass
VHT20	MCS0	1	48	5240	0.20	0.20	17.81	17.68		24.00	24.00	4.92	4.17	Pass
VHT40	MCS0	1	38	5190	0.36	0.40	16.26	17.34		24.00	24.00	4.92	4.17	Pass
VHT40	MCS0	1	46	5230	0.36	0.40	17.95	17.97		24.00	24.00	4.92	4.17	Pass
VHT80	MCS0	1	42	5210	0.67	0.69	16.74	17.10		24.00	24.00	4.92	4.17	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	16.83	16.99	19.92	24.00		4.92		Pass
11a	6Mbps	2	44	5220	0.19	0.21	17.07	16.96	20.02	24.00		4.92		Pass
11a	6Mbps	2	48	5240	0.19	0.21	17.02	17.01	20.02	24.00		4.92		Pass
HT20	MCS0	2	36	5180	0.22	0.19	17.20	17.35	20.29	24.00		4.92		Pass
HT20	MCS0	2	44	5220	0.22	0.19	17.27	17.34	20.32	24.00		4.92		Pass
HT20	MCS0	2	48	5240	0.22	0.19	17.32	17.30	20.32	24.00		4.92		Pass
HT40	MCS0	2	38	5190	0.38	0.42	15.70	15.29	18.51	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	17.13	17.39	20.27	24.00		4.92		Pass
VHT20	MCS0	2	44	5220	0.23	0.20	17.24	17.31	20.29	24.00		4.92		Pass
VHT20	MCS0	2	48	5240	0.23	0.20	17.28	17.30	20.30	24.00		4.92		Pass
VHT40	MCS0	2	38	5190	0.42	0.37	15.71	15.26	18.50	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	15.17	14.98	18.09	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	18.70		23.98	23.98	4.92	5.05	30	Pass
11a	6Mbps	1	60	5300	0.19	0.21	17.97	17.89		23.98	23.98	4.92	5.05	30	Pass
11a	6Mbps	1	64	5320	0.19	0.21	17.99	17.99		23.98	23.98	4.92	5.05	30	Pass
HT20	MCS0	1	52	5260	0.20	0.20	17.86	18.49		23.98	23.98	4.92	5.05	30	Pass
HT20	MCS0	1	60	5300	0.20	0.20	17.85	17.72		23.98	23.98	4.92	5.05	30	Pass
HT20	MCS0	1	64	5320	0.20	0.20	17.94	17.98		23.98	23.98	4.92	5.05	30	Pass
HT40	MCS0	1	54	5270	0.36	0.40	17.93	17.90		23.98	23.98	4.92	5.05	30	Pass
HT40	MCS0	1	62	5310	0.36	0.40	15.92	15.44		23.98	23.98	4.92	5.05	30	Pass
VHT20	MCS0	1	52	5260	0.20	0.20	17.83	18.45		23.98	23.98	4.92	5.05	30	Pass
VHT20	MCS0	1	60	5300	0.20	0.20	17.80	17.69		23.98	23.98	4.92	5.05	30	Pass
VHT20	MCS0	1	64	5320	0.20	0.20	17.90	17.95		23.98	23.98	4.92	5.05	30	Pass
VHT40	MCS0	1	54	5270	0.36	0.40	17.91	17.88		23.98	23.98	4.92	5.05	30	Pass
VHT40	MCS0	1	62	5310	0.36	0.40	15.91	15.40		23.98	23.98	4.92	5.05	30	Pass
VHT80	MCS0	1	58	5290	0.67	0.69	14.82	14.09		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	16.49	16.58	19.54	23.98		5.05		30	Pass
11a	6Mbps	2	60	5300	0.19	0.21	16.51	16.57	19.55	23.98		5.05		30	Pass
11a	6Mbps	2	64	5320	0.19	0.21	15.99	16.32	19.17	23.98		5.05		30	Pass
HT20	MCS0	2	52	5260	0.22	0.19	16.87	16.97	19.93	23.98		5.05		30	Pass
HT20	MCS0	2	60	5300	0.22	0.19	16.97	16.95	19.97	23.98		5.05		30	Pass
HT20	MCS0	2	64	5320	0.22	0.19	16.88	16.98	19.94	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	10.94	10.97	13.97	23.98		5.05		30	Pass
VHT20	MCS0	2	52	5260	0.23	0.20	16.93	16.85	19.90	23.98		5.05		30	Pass
VHT20	MCS0	2	60	5300	0.23	0.20	16.71	16.90	19.82	23.98		5.05		30	Pass
VHT20	MCS0	2	64	5320	0.23	0.20	16.87	16.96	19.93	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	10.92	10.78	13.86	23.98		5.05		30	Pass
VHT80	MCS0	2	58	5290	0.70	0.67	9.06	9.37	12.23	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	18.08	19.05		23.98	23.98	5.19	5.23	30	Pass
11a	6Mbps	1	116	5580	0.19	0.21	18.24	**19.71**		23.98	23.98	5.19	5.23	30	Pass
11a	6Mbps	1	140	5700	0.19	0.21	15.76	16.70		23.98	23.98	5.19	5.23	30	Pass
11a	6Mbps	1	144	5720	0.19	0.21	15.75	16.65		23.36	23.38	5.19	5.23	30	Pass
HT20	MCS0	1	100	5500	0.20	0.20	17.95	18.95		23.98	23.98	5.19	5.23	30	Pass
HT20	MCS0	1	116	5580	0.20	0.20	18.08	19.62		23.98	23.98	5.19	5.23	30	Pass
HT20	MCS0	1	140	5700	0.20	0.20	15.60	16.56		23.98	23.98	5.19	5.23	30	Pass
HT20	MCS0	1	144	5720	0.20	0.20	15.60	16.58		23.45	23.53	5.19	5.23	30	Pass
HT40	MCS0	1	102	5510	0.36	0.40	15.85	16.64		23.98	23.98	5.19	5.23	30	Pass
HT40	MCS0	1	110	5550	0.36	0.40	15.63	16.66		23.98	23.98	5.19	5.23	30	Pass
HT40	MCS0	1	134	5670	0.36	0.40	15.65	16.64		23.98	23.98	5.19	5.23	30	Pass
HT40	MCS0	1	142	5710	0.36	0.40	15.87	16.77		23.98	23.98	5.19	5.23	30	Pass
VHT20	MCS0	1	100	5500	0.20	0.20	17.90	18.92		23.98	23.98	5.19	5.23	30	Pass
VHT20	MCS0	1	116	5580	0.20	0.20	18.06	19.44		23.98	23.98	5.19	5.23	30	Pass
VHT20	MCS0	1	140	5700	0.20	0.20	15.59	16.55		23.98	23.98	5.19	5.23	30	Pass
VHT20	MCS0	1	144	5720	0.20	0.20	15.58	16.56		23.45	23.53	5.19	5.23	30	Pass
VHT40	MCS0	1	102	5510	0.36	0.40	15.82	16.58		23.98	23.98	5.19	5.23	30	Pass
VHT40	MCS0	1	110	5550	0.36	0.40	15.60	16.64		23.98	23.98	5.19	5.23	30	Pass
VHT40	MCS0	1	134	5670	0.36	0.40	15.64	16.61		23.98	23.98	5.19	5.23	30	Pass
VHT40	MCS0	1	142	5710	0.36	0.40	15.86	16.74		23.98	23.98	5.19	5.23	30	Pass
VHT80	MCS0	1	106	5530	0.67	0.69	15.57	16.98		23.98	23.98	5.19	5.23	30	Pass
VHT80	MCS0	1	122	5610	0.67	0.69	15.91	16.85		23.98	23.98	5.19	5.23	30	Pass
VHT80	MCS0	1	138	5690	0.67	0.69	15.97	16.82		23.98	23.98	5.19	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	15.91	15.75	18.84	23.98		5.23		30	Pass
11a	6Mbps	2	116	5580	0.19	0.21	15.70	15.56	18.64	23.98		5.23		30	Pass
11a	6Mbps	2	140	5700	0.19	0.21	15.52	15.36	18.45	23.98		5.23		30	Pass
11a	6Mbps	2	144	5720	0.19	0.21	15.50	15.20	18.36	23.30		5.23		30	Pass
HT20	MCS0	2	100	5500	0.22	0.19	15.87	15.55	18.73	23.98		5.23		30	Pass
HT20	MCS0	2	116	5580	0.22	0.19	15.64	15.40	18.53	23.98		5.23		30	Pass
HT20	MCS0	2	140	5700	0.22	0.19	15.90	15.61	18.77	23.98		5.23		30	Pass
HT20	MCS0	2	144	5720	0.22	0.19	15.82	15.59	18.72	23.47		5.23		30	Pass
HT40	MCS0	2	102	5510	0.38	0.42	15.92	15.76	18.85	23.98		5.23		30	Pass
HT40	MCS0	2	110	5550	0.38	0.42	15.68	15.87	18.79	23.98		5.23		30	Pass
HT40	MCS0	2	134	5670	0.38	0.42	15.78	15.64	18.72	23.98		5.23		30	Pass
HT40	MCS0	2	142	5710	0.38	0.42	15.58	15.37	18.49	23.98		5.23		30	Pass
VHT20	MCS0	2	100	5500	0.23	0.20	15.83	15.55	18.70	23.98		5.23		30	Pass
VHT20	MCS0	2	116	5580	0.23	0.20	15.63	15.38	18.52	23.98		5.23		30	Pass
VHT20	MCS0	2	140	5700	0.23	0.20	15.95	15.50	18.74	23.98		5.23		30	Pass
VHT20	MCS0	2	144	5720	0.23	0.20	15.81	15.58	18.71	23.47		5.23		30	Pass
VHT40	MCS0	2	102	5510	0.42	0.37	15.93	15.70	18.83	23.98		5.23		30	Pass
VHT40	MCS0	2	110	5550	0.42	0.37	15.70	15.80	18.76	23.98		5.23		30	Pass
VHT40	MCS0	2	134	5670	0.42	0.37	15.81	15.58	18.71	23.98		5.23		30	Pass
VHT40	MCS0	2	142	5710	0.42	0.37	15.58	15.30	18.45	23.98		5.23		30	Pass
VHT80	MCS0	2	106	5530	0.70	0.67	14.41	14.17	17.30	23.98		5.23		30	Pass
VHT80	MCS0	2	122	5610	0.70	0.67	15.94	15.85	18.91	23.98		5.23		30	Pass
VHT80	MCS0	2	138	5690	0.70	0.67	15.62	15.52	18.58	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	22.44		7.56		Pass
VHT20	MCS0	2	44	5220	0.00	0.00	15.70	16.90	19.35	22.44		7.56		Pass
VHT20	MCS0	2	48	5240	0.00	0.00	15.50	16.90	19.27	22.44		7.56		Pass
VHT40	MCS0	2	38	5190	0.00	0.00	15.90	17.20	19.61	22.44		7.56		Pass
VHT40	MCS0	2	46	5230	0.00	0.00	15.70	17.40	19.64	22.44		7.56		Pass
VHT80	MCS0	2	42	5210	0.00	0.00	17.10	17.40	**20.26**	22.44		7.56		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	15.40	16.90	19.22	21.98		8.00		30	Pass
VHT20	MCS0	2	64	5320	0.00	0.00	15.30	17.00	19.24	21.98		8.00		30	Pass
VHT40	MCS0	2	54	5270	0.00	0.00	15.80	17.30	19.62	21.98		8.00		30	Pass
VHT40	MCS0	2	62	5310	0.00	0.00	16.30	17.30	**19.84**	21.98		8.00		30	Pass
VHT80	MCS0	2	58	5290	0.00	0.00	15.10	15.30	18.21	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	21.76		8.22		30	Pass
VHT20	MCS0	2	116	5580	0.00	0.00	15.00	16.00	18.54	21.76		8.22		30	Pass
VHT20	MCS0	2	140	5700	0.00	0.00	14.80	16.10	18.51	21.76		8.22		30	Pass
VHT20	MCS0	2	144	5720	0.00	0.00	14.80	15.90	18.40	21.02		8.22		30	Pass
VHT40	MCS0	2	102	5510	0.00	0.00	15.30	16.50	18.95	21.76		8.22		30	Pass
VHT40	MCS0	2	110	5550	0.00	0.00	15.40	16.50	**19.00**	21.76		8.22		30	Pass
VHT40	MCS0	2	134	5670	0.00	0.00	15.30	16.20	18.78	21.76		8.22		30	Pass
VHT40	MCS0	2	142	5710	0.00	0.00	15.30	16.10	18.73	21.76		8.22		30	Pass
VHT80	MCS0	2	106	5530	0.00	0.00	15.50	15.40	18.46	21.76		8.22		30	Pass
VHT80	MCS0	2	122	5610	0.00	0.00	15.40	15.10	18.26	21.76		8.22		30	Pass
VHT80	MCS0	2	138	5690	0.00	0.00	15.40	15.20	18.31	21.76		8.22		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):

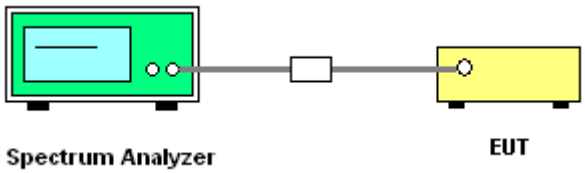
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the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

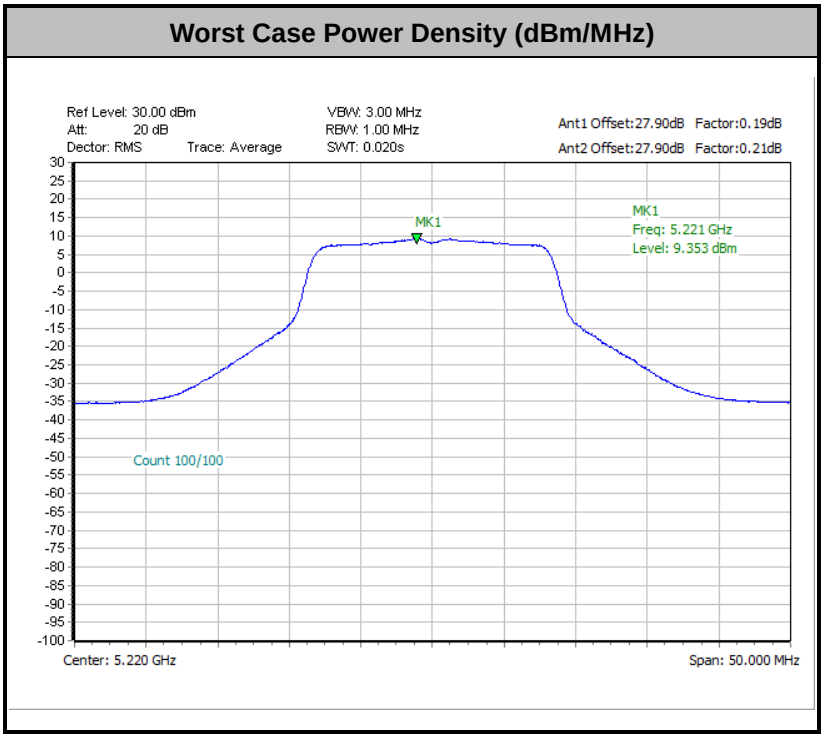
FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.19	0.21	7.26	7.24		11.00	11.00	4.92	4.17	Pass
11a	6Mbps	1	44	5220	0.19	0.21	7.26	7.06		11.00	11.00	4.92	4.17	Pass
11a	6Mbps	1	48	5240	0.19	0.21	7.17	7.13		11.00	11.00	4.92	4.17	Pass
HT20	MCS0	1	36	5180	0.20	0.20	6.68	6.71		11.00	11.00	4.92	4.17	Pass
HT20	MCS0	1	44	5220	0.20	0.20	6.74	6.61		11.00	11.00	4.92	4.17	Pass
HT20	MCS0	1	48	5240	0.20	0.20	6.71	6.72		11.00	11.00	4.92	4.17	Pass
HT40	MCS0	1	38	5190	0.36	0.40	2.58	3.47		11.00	11.00	4.92	4.17	Pass
HT40	MCS0	1	46	5230	0.36	0.40	3.76	3.86		11.00	11.00	4.92	4.17	Pass
VHT80	MCS0	1	42	5210	0.67	0.69	-0.30	0.10		11.00	11.00	4.92	4.17	Pass
11a	6Mbps	2	36	5180	0.19	0.21			9.23	9.44		7.56		Pass
11a	6Mbps	2	44	5220	0.19	0.21			**9.35**	9.44		7.56		Pass
11a	6Mbps	2	48	5240	0.19	0.21			9.22	9.44		7.56		Pass
HT20	MCS0	2	36	5180	0.22	0.19			9.26	9.44		7.56		Pass
HT20	MCS0	2	44	5220	0.22	0.19			9.29	9.44		7.56		Pass
HT20	MCS0	2	48	5240	0.22	0.19			9.24	9.44		7.56		Pass
HT40	MCS0	2	38	5190	0.38	0.42			4.48	9.44		7.56		Pass
HT40	MCS0	2	46	5230	0.38	0.42			6.39	9.44		7.56		Pass
VHT80	MCS0	2	42	5210	0.70	0.67			0.87	9.44		7.56		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	7.56		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	7.24		11.00	11.00	4.92	5.05	Pass
HT20	MCS0	1	60	5300	0.20	0.20	6.89	6.74		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	3.94		11.00	11.00	4.92	5.05	Pass
HT40	MCS0	1	62	5310	0.36	0.40	2.09	1.61		11.00	11.00	4.92	5.05	Pass
VHT80	MCS0	1	58	5290	0.67	0.69	-0.27	-3.00		11.00	11.00	4.92	5.05	Pass
11a	6Mbps	2	52	5260	0.19	0.21			8.85	9.00		8.00		Pass
11a	6Mbps	2	60	5300	0.19	0.21			8.83	9.00		8.00		Pass
11a	6Mbps	2	64	5320	0.19	0.21			8.51	9.00		8.00		Pass
HT20	MCS0	2	52	5260	0.22	0.19			8.80	9.00		8.00		Pass
HT20	MCS0	2	60	5300	0.22	0.19			**8.96**	9.00		8.00		Pass
HT20	MCS0	2	64	5320	0.22	0.19			8.83	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			0.16	9.00		8.00		Pass
VHT80	MCS0	2	58	5290	0.70	0.67			-4.47	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	7.50	8.41		11.00	11.00	5.19	5.23	Pass
11a	6Mbps	1	116	5580	0.19	0.21	7.26	**8.57**		11.00	11.00	5.19	5.23	Pass
11a	6Mbps	1	140	5700	0.19	0.21	5.23	6.04		11.00	11.00	5.19	5.23	Pass
11a	6Mbps	1	144	5720	0.19	0.21	5.13	6.03		11.00	11.00	5.19	5.23	Pass
HT20	MCS0	1	100	5500	0.20	0.20	6.92	7.99		11.00	11.00	5.19	5.23	Pass
HT20	MCS0	1	116	5580	0.20	0.20	6.84	8.35		11.00	11.00	5.19	5.23	Pass
HT20	MCS0	1	140	5700	0.20	0.20	4.76	5.50		11.00	11.00	5.19	5.23	Pass
HT20	MCS0	1	144	5720	0.20	0.20	4.82	5.56		11.00	11.00	5.19	5.23	Pass
HT40	MCS0	1	102	5510	0.36	0.40	1.84	2.66		11.00	11.00	5.19	5.23	Pass
HT40	MCS0	1	110	5550	0.36	0.40	1.60	2.51		11.00	11.00	5.19	5.23	Pass
HT40	MCS0	1	134	5670	0.36	0.40	1.52	2.40		11.00	11.00	5.19	5.23	Pass
HT40	MCS0	1	142	5710	0.36	0.40	1.79	2.70		11.00	11.00	5.19	5.23	Pass
VHT80	MCS0	1	106	5530	0.67	0.69	-1.54	0.09		11.00	11.00	5.19	5.23	Pass
VHT80	MCS0	1	122	5610	0.67	0.69	-1.23	-0.51		11.00	11.00	5.19	5.23	Pass
VHT80	MCS0	1	138	5690	0.67	0.69	-1.19	-0.42		11.00	11.00	5.19	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			8.20	8.78		8.22		Pass
11a	6Mbps	2	116	5580	0.19	0.21			7.90	8.78		8.22		Pass
11a	6Mbps	2	140	5700	0.19	0.21			7.75	8.78		8.22		Pass
11a	6Mbps	2	144	5720	0.19	0.21			7.77	8.78		8.22		Pass
HT20	MCS0	2	100	5500	0.22	0.19			7.63	8.78		8.22		Pass
HT20	MCS0	2	116	5580	0.22	0.19			7.42	8.78		8.22		Pass
HT20	MCS0	2	140	5700	0.22	0.19			7.77	8.78		8.22		Pass
HT20	MCS0	2	144	5720	0.22	0.19			7.79	8.78		8.22		Pass
HT40	MCS0	2	102	5510	0.38	0.42			4.72	8.78		8.22		Pass
HT40	MCS0	2	110	5550	0.38	0.42			4.81	8.78		8.22		Pass
HT40	MCS0	2	134	5670	0.38	0.42			4.58	8.78		8.22		Pass
HT40	MCS0	2	142	5710	0.38	0.42			4.51	8.78		8.22		Pass
VHT80	MCS0	2	106	5530	0.70	0.67			0.21	8.78		8.22		Pass
VHT80	MCS0	2	122	5610	0.70	0.67			1.92	8.78		8.22		Pass
VHT80	MCS0	2	138	5690	0.70	0.67			1.62	8.78		8.22		Pass

Worst Case Power Density (dBm/MHz)



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

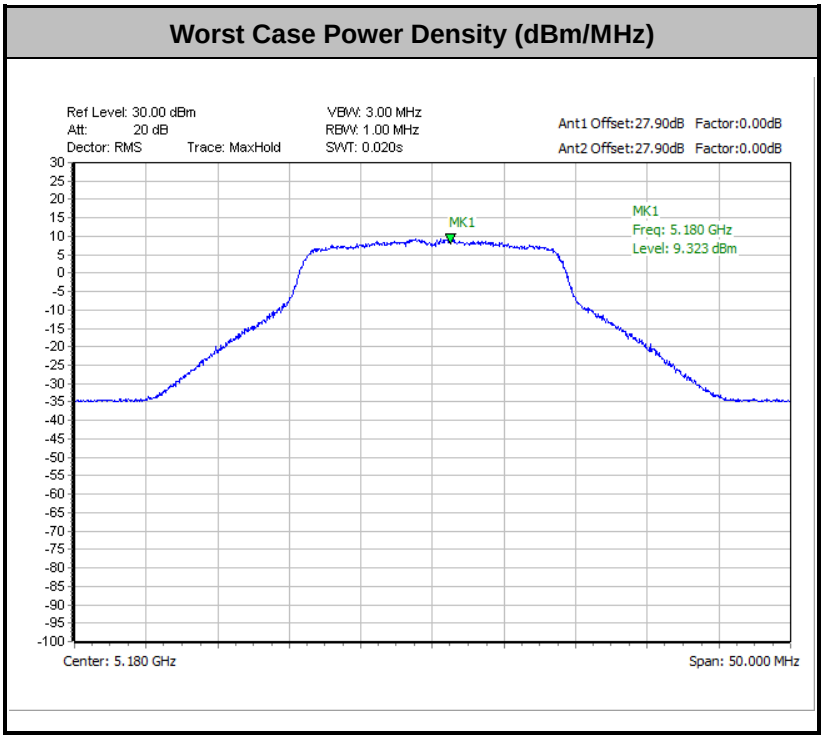
<TXBF Mode>

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			**9.32**	9.44		7.56		Pass
VHT20	MCS0	2	44	5220	0.00	0.00			9.23	9.44		7.56		Pass
VHT20	MCS0	2	48	5240	0.00	0.00			9.11	9.44		7.56		Pass
VHT40	MCS0	2	38	5190	0.00	0.00			9.10	9.44		7.56		Pass
VHT40	MCS0	2	46	5230	0.00	0.00			9.30	9.44		7.56		Pass
VHT80	MCS0	2	42	5210	0.00	0.00			8.03	9.44		7.56		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			8.91	9.00		8.00		Pass
VHT20	MCS0	2	64	5320	0.00	0.00			8.83	9.00		8.00		Pass
VHT40	MCS0	2	54	5270	0.00	0.00			7.42	9.00		8.00		Pass
VHT40	MCS0	2	62	5310	0.00	0.00			8.10	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**	8.78		8.22		Pass
VHT20	MCS0	2	116	5580	0.00	0.00			8.56	8.78		8.22		Pass
VHT20	MCS0	2	140	5700	0.00	0.00			8.58	8.78		8.22		Pass
VHT20	MCS0	2	144	5720	0.00	0.00			8.52	8.78		8.22		Pass
VHT40	MCS0	2	102	5510	0.00	0.00			8.66	8.78		8.22		Pass
VHT40	MCS0	2	110	5550	0.00	0.00			8.59	8.78		8.22		Pass
VHT40	MCS0	2	134	5670	0.00	0.00			8.65	8.78		8.22		Pass
VHT40	MCS0	2	142	5710	0.00	0.00			8.39	8.78		8.22		Pass
VHT80	MCS0	2	106	5530	0.00	0.00			8.34	8.78		8.22		Pass
VHT80	MCS0	2	122	5610	0.00	0.00			8.71	8.78		8.22		Pass
VHT80	MCS0	2	138	5690	0.00	0.00			8.57	8.78		8.22		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

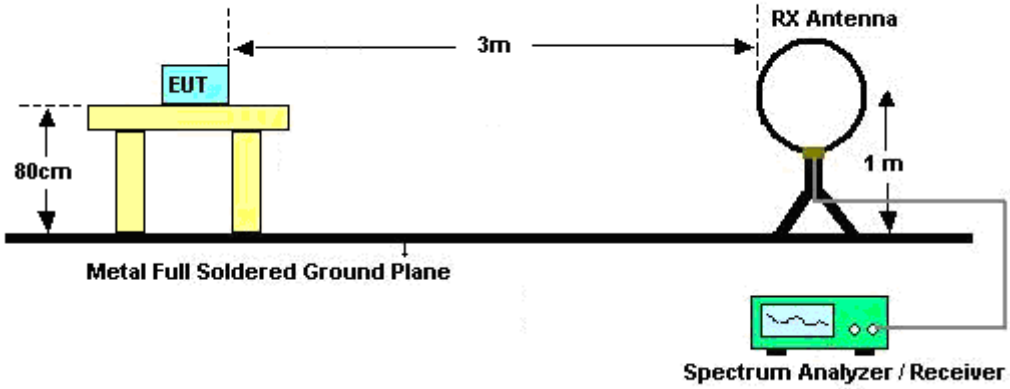
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

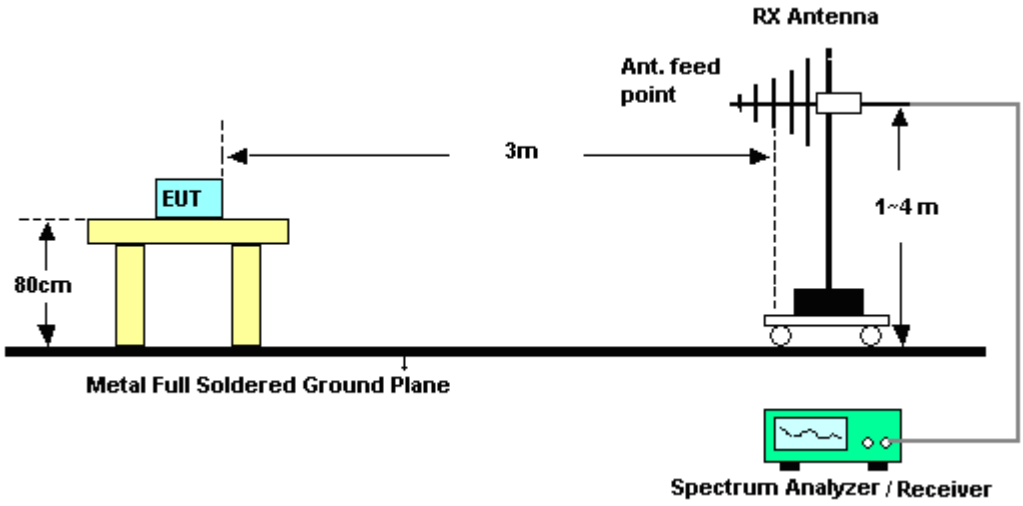
3.4.4 Test Setup

For radiated emissions below 30MHz

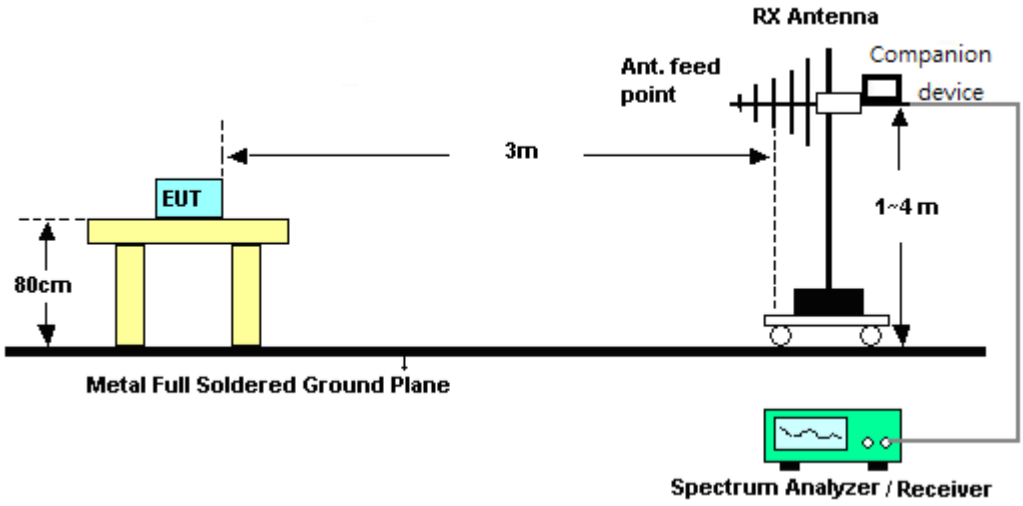


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

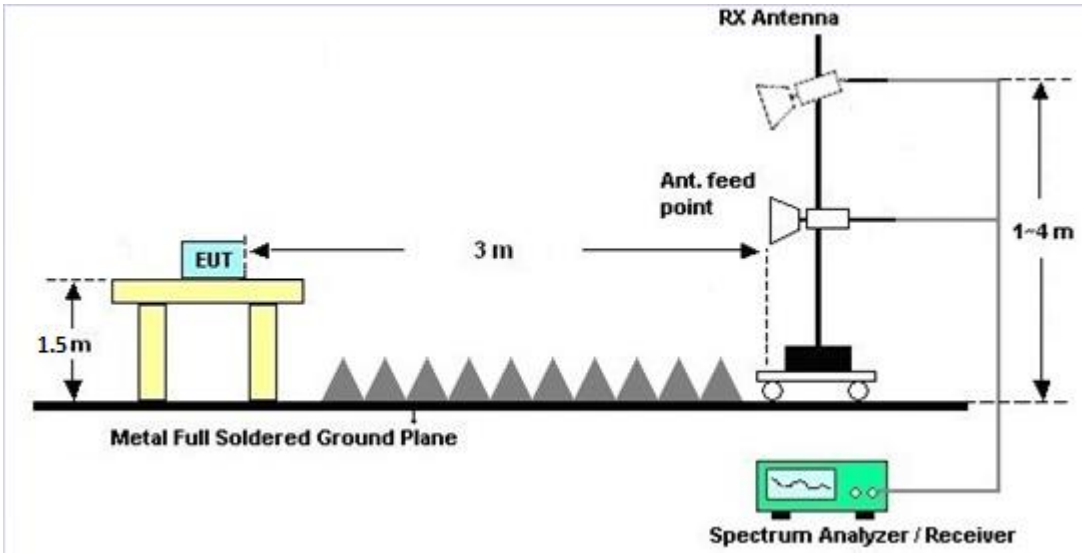


<TXBF Modes>



For radiated emissions above 1GHz

<CDD Mode>



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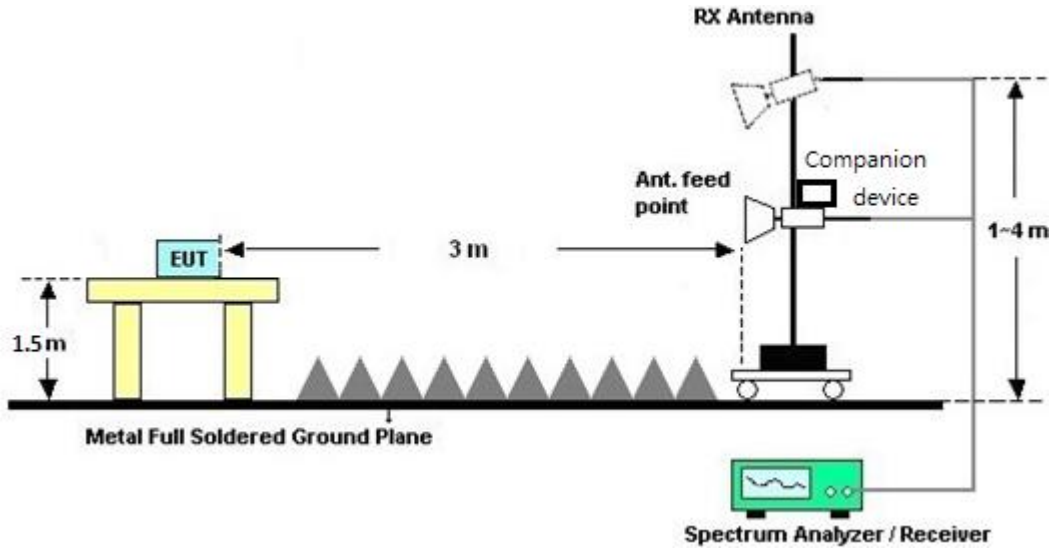


3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

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.

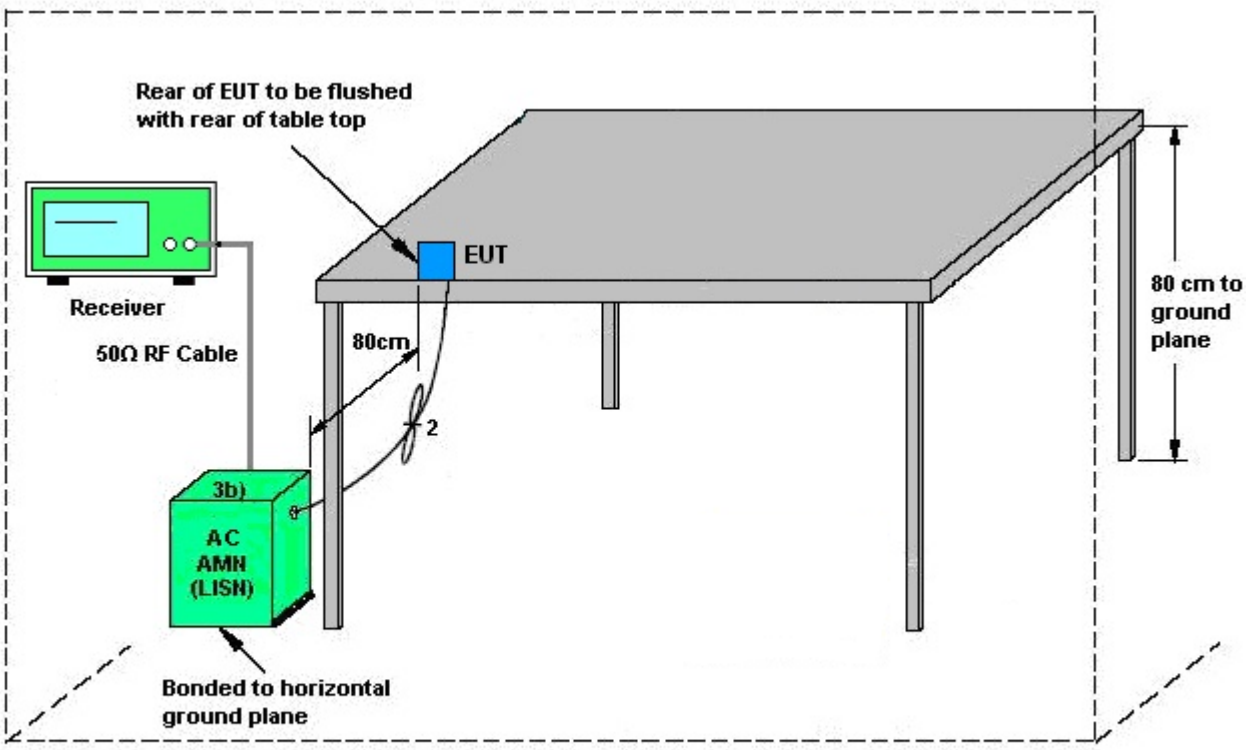
3.5.2 Measuring Instruments

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	4.17	4.92	7.56	0.00	1.56
Band II	4.92	5.05	5.05	8.00	0.00	2.00
Band III	5.19	5.23	5.23	8.22	0.00	2.22

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	4.17	7.56	7.56	1.56	1.56
Band II	4.92	5.05	8.00	8.00	2.00	2.00
Band III	5.19	5.23	8.22	8.22	2.22	2.22

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	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Mar. 06, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Mar. 06, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Mar. 06, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 06, 2019	N/A	Conduction (CO05-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Sep. 14, 2018	Mar. 06, 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	Nov. 07, 2019	Conduction (CO05-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Mar. 29, 2018	Dec. 06, 2018~ Mar. 11, 2019	Mar. 28, 2019	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Jun. 29, 2018	Dec. 06, 2018~ Mar. 11, 2019	Jun. 28, 2019	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800N1D01N-06	37059&01	30MHz~1GHz	Oct. 13, 2018	Dec. 06, 2018~ Mar. 11, 2019	Oct. 12, 2019	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 05, 2018	Dec. 06, 2018~ Mar. 11, 2019	Dec. 04, 2019	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 14, 2018	Dec. 06, 2018~ Mar. 11, 2019	Nov. 13, 2020	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 21, 2018	Dec. 06, 2018~ Mar. 11, 2019	May 20, 2019	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187312	9KHz~1GHz	Dec. 04, 2018	Dec. 06, 2018~ Mar. 11, 2019	Dec. 03, 2019	Radiation (03CH13-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	Dec. 06, 2018~ Mar. 11, 2019	Jul. 15, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30M-18G	Mar. 14, 2018	Dec. 06, 2018~ Mar. 11, 2019	Mar. 13, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30M~18GHz	Mar. 14, 2018	Dec. 06, 2018~ Mar. 11, 2019	Mar. 13, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30M~40GHz	Mar. 14, 2018	Dec. 06, 2018~ Mar. 11, 2019	Mar. 13, 2019	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30M~40GHz	Mar. 14, 2018	Dec. 06, 2018~ Mar. 11, 2019	Mar. 13, 2019	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 15, 2018	Dec. 06, 2018~ Mar. 11, 2019	Mar. 14, 2019	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Dec. 06, 2018~ Mar. 11, 2019	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Dec. 06, 2018~ Mar. 11, 2019	N/A	Radiation (03CH13-HY)
Software	AUDIX	E3 6.2009-8-24c	RK-001124	N/A	N/A	Dec. 06, 2018~ Mar. 11, 2019	N/A	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2018	Dec. 06, 2018~ Mar. 11, 2019	Oct. 31, 2019	Radiation (03CH13-HY)
Filter	Woken	WHKX8-5272.5-6750-18000-40ST	SN2	6.75G Highpass	Mar. 21, 2018	Dec. 06, 2018~ Mar. 11, 2019	Mar. 20, 2019	Radiation (03CH13-HY)
Filter	Wainwright	WLKS1200-12SS	SN2	1.2G Low Pass	Mar. 23, 2018	Dec. 06, 2018~ Mar. 11, 2019	Mar. 22, 2019	Radiation (03CH13-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~ Feb. 27, 2019	Aug. 15, 2019	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1126017	300MHz~40GHz	Aug. 16, 2018	Nov. 07, 2018~ Feb. 27, 2019	Aug. 15, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV 30	100895	9kHz~30GHz	Apr. 20, 2018	Nov. 07, 2018~ Feb. 27, 2019	Apr. 19, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Mar. 01, 2018	Nov. 07, 2018~ Feb. 27, 2019	Feb. 28, 2019	Conducted (TH05-HY)
<TXBF Mode>								
Power Sensor	DARE	RadiPower	15I00041SNO09	10MHz~6GHz	May 07, 2018	Nov. 29, 2018~ Mar. 01, 2019	May 06, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV 30	100895	9kHz~30GHz	Apr. 20, 2018	Nov. 29, 2018~ Mar. 01, 2019	Apr. 19, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Mar. 01, 2018	Nov. 29, 2018~ Feb. 27, 2019	Feb. 28, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	EM	EMSW18	SW1070903	N/A	Dec. 19, 2018	Feb. 28, 2019~ Mar. 01, 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))	**4.9**

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

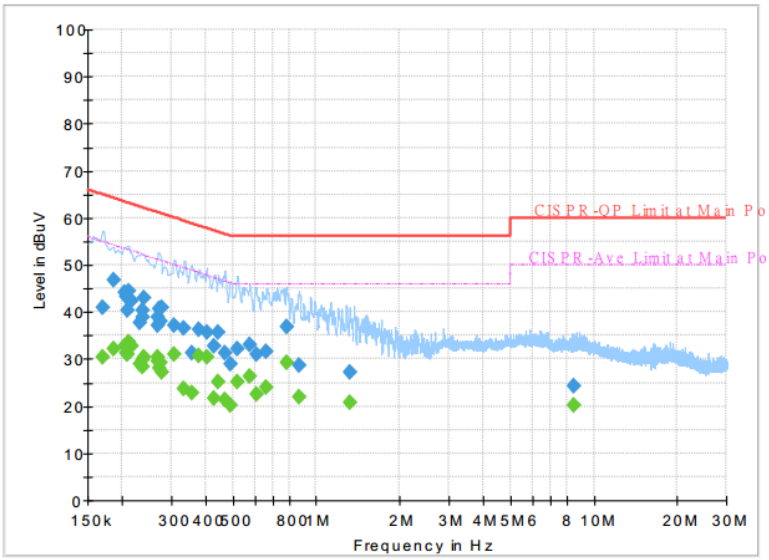
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.4**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.3**

Appendix A. AC Conducted Emission Test Results

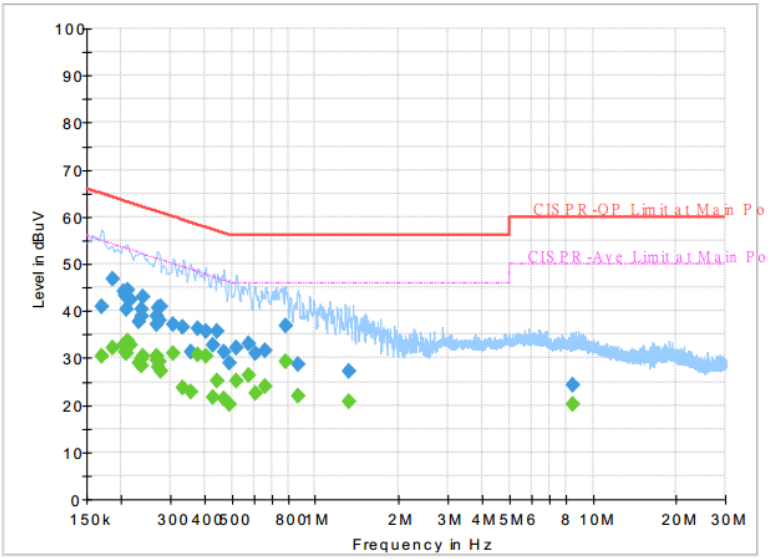
Test Engineer :	Jimmy Chang	Temperature :	24~26℃
		Relative Humidity :	51~53%
Test Voltage :	120Vac / 60Hz	Phase :	Line



Final Result :

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	30.52	54.95	24.43	L1	OFF	19.5
0.170250	40.87	---	64.95	24.08	L1	OFF	19.5
0.186000	---	32.21	54.21	22.00	L1	OFF	19.5
0.186000	46.73	---	64.21	17.48	L1	OFF	19.5
0.204000	---	32.71	53.45	20.74	L1	OFF	19.5
0.204000	44.08	---	63.45	19.37	L1	OFF	19.5
0.206250	---	31.26	53.36	22.10	L1	OFF	19.5
0.206250	43.16	---	63.36	20.20	L1	OFF	19.5
0.208500	---	30.94	53.27	22.33	L1	OFF	19.5
0.208500	40.43	---	63.27	22.84	L1	OFF	19.5
0.210750	---	33.50	53.18	19.68	L1	OFF	19.5
0.210750	44.48	---	63.18	18.70	L1	OFF	19.5
0.215250	---	32.61	53.00	20.39	L1	OFF	19.5
0.215250	42.53	---	63.00	20.47	L1	OFF	19.5
0.231000	---	29.04	52.41	23.37	L1	OFF	19.5
0.231000	37.82	---	62.41	24.59	L1	OFF	19.5
0.235500	---	28.44	52.25	23.81	L1	OFF	19.5
0.235500	40.43	---	62.25	21.82	L1	OFF	19.5
0.237750	---	29.68	52.17	22.49	L1	OFF	19.5
0.237750	38.89	---	62.17	23.28	L1	OFF	19.5
0.240000	---	30.40	52.10	21.70	L1	OFF	19.5
0.240000	42.85	---	62.10	19.25	L1	OFF	19.5
0.267000	---	29.53	51.21	21.68	L1	OFF	19.5
0.267000	37.20	---	61.21	24.01	L1	OFF	19.5

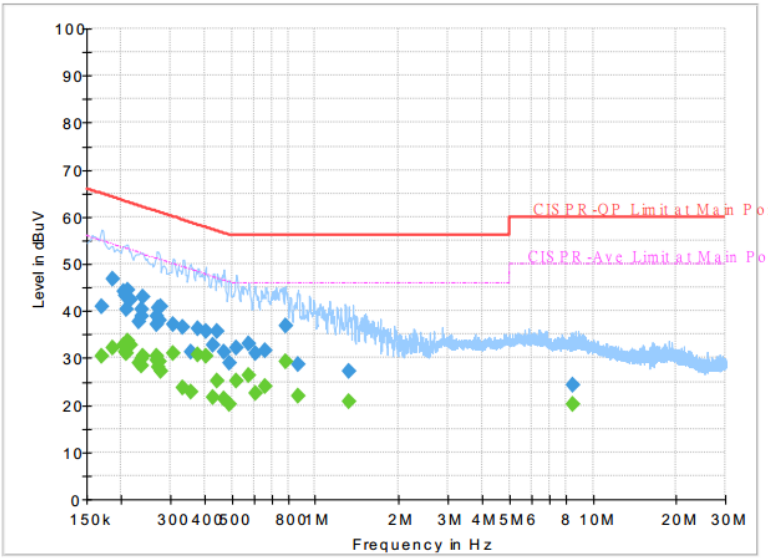
Test Engineer :	Jimmy Chang	**Temperature :**	24~26℃
		Relative Humidity :	51~53%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line



Final Result :

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.269250	---	30.39	51.14	20.75	L1	OFF	19.5
0.269250	38.88	---	61.14	22.26	L1	OFF	19.5
0.271500	---	28.21	51.07	22.86	L1	OFF	19.5
0.271500	40.55	---	61.07	20.52	L1	OFF	19.5
0.273750	---	29.21	51.00	21.79	L1	OFF	19.5
0.273750	38.07	---	61.00	22.93	L1	OFF	19.5
0.276000	---	27.08	50.94	23.86	L1	OFF	19.5
0.276000	41.02	---	60.94	19.92	L1	OFF	19.5
0.307500	---	31.12	50.04	18.92	L1	OFF	19.5
0.307500	37.18	---	60.04	22.86	L1	OFF	19.5
0.334500	---	23.74	49.34	25.60	L1	OFF	19.5
0.334500	36.40	---	59.34	22.94	L1	OFF	19.5
0.354750	---	22.89	48.85	25.96	L1	OFF	19.5
0.354750	31.28	---	58.85	27.57	L1	OFF	19.5
0.379500	---	30.63	48.29	17.66	L1	OFF	19.5
0.379500	36.24	---	58.29	22.05	L1	OFF	19.5
0.402000	---	30.45	47.81	17.36	L1	OFF	19.5
0.402000	35.62	---	57.81	22.19	L1	OFF	19.5
0.429000	---	21.53	47.27	25.74	L1	OFF	19.5
0.429000	32.61	---	57.27	24.66	L1	OFF	19.5
0.444750	---	25.17	46.97	21.80	L1	OFF	19.5
0.444750	35.68	---	56.97	21.29	L1	OFF	19.5
0.467250	---	21.42	46.56	25.14	L1	OFF	19.5
0.467250	31.28	---	56.56	25.28	L1	OFF	19.5

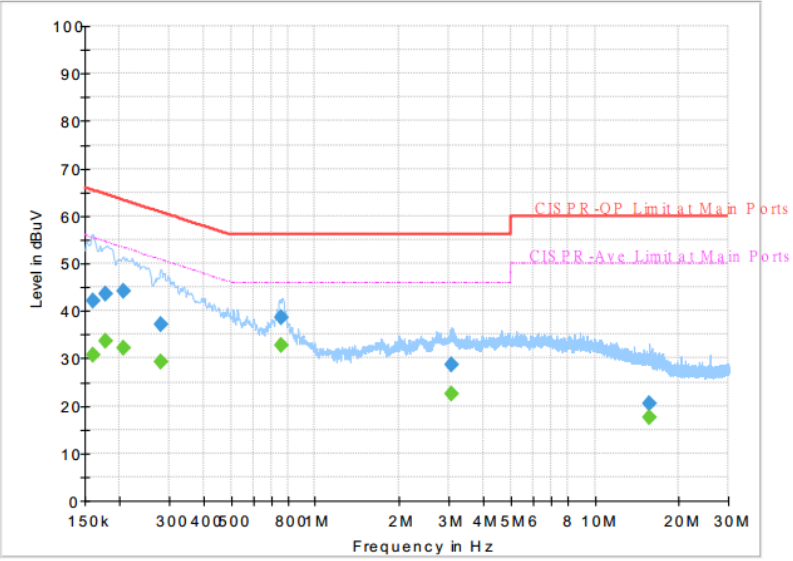
Test Engineer :	Jimmy Chang	**Temperature :**	24~26℃
		Relative Humidity :	51~53%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line



Final Result :

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.489750	---	20.30	46.17	25.87	L1	OFF	19.5
0.489750	29.03	---	56.17	27.14	L1	OFF	19.5
0.519000	---	25.21	46.00	20.79	L1	OFF	19.5
0.519000	32.16	---	56.00	23.84	L1	OFF	19.5
0.577500	---	26.36	46.00	19.64	L1	OFF	19.5
0.577500	32.95	---	56.00	23.05	L1	OFF	19.5
0.606750	---	22.37	46.00	23.63	L1	OFF	19.5
0.606750	31.12	---	56.00	24.88	L1	OFF	19.5
0.663000	---	23.97	46.00	22.03	L1	OFF	19.5
0.663000	31.64	---	56.00	24.36	L1	OFF	19.5
0.784500	---	29.37	46.00	16.63	L1	OFF	19.5
0.784500	36.83	---	56.00	19.17	L1	OFF	19.5
0.867750	---	21.93	46.00	24.07	L1	OFF	19.5
0.867750	28.80	---	56.00	27.20	L1	OFF	19.5
1.322250	---	20.90	46.00	25.10	L1	OFF	19.6
1.322250	27.16	---	56.00	28.84	L1	OFF	19.6
8.475000	---	20.18	50.00	29.82	L1	OFF	19.7
8.475000	24.23	---	60.00	35.77	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)
0.161250	42.13	---	65.40	23.27	N	OFF	19.5
0.161250	---	30.65	55.40	24.75	N	OFF	19.5
0.177000	43.43	---	64.63	21.20	N	OFF	19.5
0.177000	---	33.48	54.63	21.15	N	OFF	19.5
0.206250	44.28	---	63.36	19.08	N	OFF	19.5
0.206250	---	32.28	53.36	21.08	N	OFF	19.5
0.280500	37.17	---	60.80	23.63	N	OFF	19.5
0.280500	---	29.24	50.80	21.56	N	OFF	19.5
0.757500	38.50	---	56.00	17.50	N	OFF	19.5
0.757500	---	32.87	46.00	13.13	N	OFF	19.5
3.088500	28.65	---	56.00	27.35	N	OFF	19.6
3.088500	---	22.51	46.00	23.49	N	OFF	19.6
15.657000	20.52	---	60.00	39.48	N	OFF	19.8
15.657000	---	17.41	50.00	32.59	N	OFF	19.8

Appendix B. Radiated Spurious Emission

Test Engineer :	Alex Jheng, Fu Chen, and Wilson Wu	Temperature :	24.5~25.3°C
		Relative Humidity :	49~53%

<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		5139.62	63.17	-10.83	74	52.87	31.69	8.16	29.55	229	27	P	H
		5149.76	52.27	-1.73	54	41.95	31.69	8.18	29.55	229	27	A	H
	*	5180	113.59	-	-	103.21	31.71	8.22	29.55	229	27	P	H
	*	5180	105.88	-	-	95.5	31.71	8.22	29.55	229	27	A	H
													H
		5150	58.58	-15.42	74	48.26	31.69	8.18	29.55	284	300	P	V
		5150	50.28	-3.72	54	39.96	31.69	8.18	29.55	284	300	A	V
	*	5180	112.07	-	-	101.69	31.71	8.22	29.55	284	300	P	V
	*	5180	104.55	-	-	94.17	31.71	8.22	29.55	284	300	A	V
													V
802.11a CH 44 5220MHz		5106.6	51.87	-22.13	74	41.62	31.67	8.12	29.54	239	27	P	H
		5145.6	42.7	-11.3	54	32.39	31.69	8.17	29.55	239	27	A	H
	*	5220	111.66	-	-	101.24	31.73	8.25	29.56	239	27	P	H
	*	5220	104.18	-	-	93.76	31.73	8.25	29.56	239	27	A	H
		5454.4	51.55	-22.45	74	40.81	31.87	8.46	29.59	239	27	P	H
		5376	43.2	-10.8	54	32.66	31.82	8.3	29.58	239	27	A	H
		5042.9	51.47	-22.53	74	41.34	31.63	8.04	29.54	286	58	P	V
		5150	42.43	-11.57	54	32.11	31.69	8.18	29.55	286	58	A	V
	*	5220	109.29	-	-	98.87	31.73	8.25	29.56	286	58	P	V
	*	5220	101.72	-	-	91.3	31.73	8.25	29.56	286	58	A	V
		5456.64	50.69	-23.31	74	39.95	31.87	8.46	29.59	286	58	P	V
		5376	42.15	-11.85	54	31.61	31.82	8.3	29.58	286	58	A	V

802.11a CH 48 5240MHz		5025.22	52.29	-21.71	74	42.18	31.62	8.02	29.53	256	35	P	H
		5022.62	42.27	-11.73	54	32.16	31.62	8.02	29.53	256	35	A	H
	*	5240	111.69	-	-	101.26	31.74	8.25	29.56	256	35	P	H
	*	5240	104.14	-	-	93.71	31.74	8.25	29.56	256	35	A	H
		5352.76	51.95	-22.05	74	41.42	31.81	8.29	29.57	256	35	P	H
		5376	43.29	-10.71	54	32.75	31.82	8.3	29.58	256	35	A	H
		5133.9	51.78	-22.22	74	41.49	31.68	8.16	29.55	266	57	P	V
		5062.4	42.12	-11.88	54	31.95	31.64	8.07	29.54	266	57	A	V
	*	5240	109.64	-	-	99.21	31.74	8.25	29.56	266	57	P	V
	*	5240	101.69	-	-	91.26	31.74	8.25	29.56	266	57	A	V
		5406.52	51	-23	74	40.41	31.84	8.33	29.58	266	57	P	V
		5376	41.94	-12.06	54	31.4	31.82	8.3	29.58	266	57	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (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	50.42	-17.78	68.2	55.28	39.76	12.34	56.96	100	0	P	H
		15540	46.5	-27.5	74	49.91	38.62	14.62	56.65	100	0	P	H
													H
													H
		10360	54.27	-13.93	68.2	59.13	39.76	12.34	56.96	100	0	P	V
		15540	45.96	-28.04	74	49.37	38.62	14.62	56.65	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	51.55	-16.65	68.2	56.23	39.88	12.36	56.92	100	0	P	H
		15660	46.21	-27.79	74	49.72	38.33	14.67	56.51	100	0	P	H
													H
													H
		10440	53.85	-14.35	68.2	58.53	39.88	12.36	56.92	100	0	P	V
		15660	46.01	-27.99	74	49.52	38.33	14.67	56.51	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	57.99	-10.21	68.2	62.56	39.97	12.37	56.91	100	0	P	H
		15720	54.11	-19.89	74	57.7	38.16	14.69	56.44	308	32	P	H
		15720	43.87	-10.13	54	47.46	38.16	14.69	56.44	308	32	A	H
													H
		10480	60.82	-7.38	68.2	65.39	39.97	12.37	56.91	100	0	P	V
		15720	52.62	-21.38	74	56.21	38.16	14.69	56.44	100	12	P	V
		15720	42.49	-11.51	54	46.08	38.16	14.69	56.44	100	12	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n 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)
		5133.12	55.54	-18.46	74	45.25	31.68	8.16	29.55	256	35	P	H
		5149.5	46.37	-7.63	54	36.05	31.69	8.18	29.55	256	35	A	H
	*	5180	110.91	-	-	100.53	31.71	8.22	29.55	256	35	P	H
	*	5180	103.09	-	-	92.71	31.71	8.22	29.55	256	35	A	H
802.11n													H
HT20													H
CH 36		5139.88	55.59	-18.41	74	45.29	31.69	8.16	29.55	275	59	P	V
5180MHz		5149.24	44.44	-9.56	54	34.12	31.69	8.18	29.55	275	59	A	V
	*	5180	108.26	-	-	97.88	31.71	8.22	29.55	275	59	P	V
	*	5180	100.47	-	-	90.09	31.71	8.22	29.55	275	59	A	V
													V
													V
		5109.72	50.96	-23.04	74	40.7	31.67	8.13	29.54	254	32	P	H
		5145.6	42.56	-11.44	54	32.25	31.69	8.17	29.55	254	32	A	H
	*	5220	110.68	-	-	100.26	31.73	8.25	29.56	254	32	P	H
	*	5220	103.17	-	-	92.75	31.73	8.25	29.56	254	32	A	H
802.11n		5353.88	52.11	-21.89	74	41.58	31.81	8.29	29.57	254	32	P	H
HT20		5376	42.78	-11.22	54	32.24	31.82	8.3	29.58	254	32	A	H
CH 44		5032.5	50.59	-23.41	74	40.47	31.62	8.03	29.53	274	54	P	V
5220MHz		5093.34	42.49	-11.51	54	32.26	31.66	8.11	29.54	274	54	A	V
	*	5220	108.57	-	-	98.15	31.73	8.25	29.56	274	54	P	V
	*	5220	100.76	-	-	90.34	31.73	8.25	29.56	274	54	A	V
		5369.56	50.23	-23.77	74	39.68	31.82	8.3	29.57	274	54	P	V
		5376	41.98	-12.02	54	31.44	31.82	8.3	29.58	274	54	A	V

		5051.74	52.15	-21.85	74	42.01	31.63	8.05	29.54	254	34	P	H
		5091	42.3	-11.7	54	32.08	31.66	8.1	29.54	254	34	A	H
	*	5240	111.57	-	-	101.14	31.74	8.25	29.56	254	34	P	H
	*	5240	103.66	-	-	93.23	31.74	8.25	29.56	254	34	A	H
802.11n		5355.84	50.88	-23.12	74	40.35	31.81	8.29	29.57	254	34	P	H
HT20		5375.72	43.49	-10.51	54	32.95	31.82	8.3	29.58	254	34	A	H
CH 48		5023.4	51.61	-22.39	74	41.5	31.62	8.02	29.53	266	56	P	V
5240MHz		5072.54	42.56	-11.44	54	32.37	31.65	8.08	29.54	266	56	A	V
	*	5240	108.81	-	-	98.38	31.74	8.25	29.56	266	56	P	V
	*	5240	101.27	-	-	90.84	31.74	8.25	29.56	266	56	A	V
		5393.08	51.28	-22.72	74	40.72	31.83	8.31	29.58	266	56	P	V
		5376	42.13	-11.87	54	31.59	31.82	8.3	29.58	266	56	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	51.77	-16.43	68.2	56.63	39.76	12.34	56.96	100	0	P	H
		15540	46.1	-27.9	74	49.51	38.62	14.62	56.65	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	54.19	-14.01	68.2	59.05	39.76	12.34	56.96	100	0	P	V
5180MHz		15540	45.68	-28.32	74	49.09	38.62	14.62	56.65	100	0	P	V
													V
													V
		10440	52.19	-16.01	68.2	56.87	39.88	12.36	56.92	100	0	P	H
		15660	46.23	-27.77	74	49.74	38.33	14.67	56.51	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	53.24	-14.96	68.2	57.92	39.88	12.36	56.92	100	0	P	V
5220MHz		15660	45.46	-28.54	74	48.97	38.33	14.67	56.51	100	0	P	V
													V
													V
		10480	53.89	-14.31	68.2	58.46	39.97	12.37	56.91	100	0	P	H
		15720	45.74	-28.26	74	49.33	38.16	14.69	56.44	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	56.04	-12.16	68.2	60.61	39.97	12.37	56.91	100	0	P	V
5240MHz		15720	45.77	-28.23	74	49.36	38.16	14.69	56.44	100	0	P	V
													V
													V

Remark

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

Band 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		5150	57.24	-16.76	74	46.92	31.69	8.18	29.55	259	35	P	H
		5149.76	51.03	-2.97	54	40.71	31.69	8.18	29.55	259	35	A	H
	*	5190	106.11	-	-	95.72	31.71	8.23	29.55	259	35	P	H
	*	5190	99.73	-	-	89.34	31.71	8.23	29.55	259	35	A	H
		5447.68	50.76	-23.24	74	40.03	31.87	8.44	29.58	259	35	P	H
		5376	44.09	-9.91	54	33.55	31.82	8.3	29.58	259	35	A	H
		5148.72	53.61	-20.39	74	43.29	31.69	8.18	29.55	274	57	P	V
		5149.24	48.02	-5.98	54	37.7	31.69	8.18	29.55	274	57	A	V
	*	5190	103.03	-	-	92.64	31.71	8.23	29.55	274	57	P	V
	*	5190	96.39	-	-	86	31.71	8.23	29.55	274	57	A	V
		5447.96	50.21	-23.79	74	39.48	31.87	8.44	29.58	274	57	P	V
		5455.24	42.23	-11.77	54	31.49	31.87	8.46	29.59	274	57	A	V
802.11n HT40 CH 46 5230MHz		5006.76	51.73	-22.27	74	41.65	31.61	8	29.53	240	27	P	H
		5149.5	43.94	-10.06	54	33.62	31.69	8.18	29.55	240	27	A	H
	*	5230	108.82	-	-	98.39	31.74	8.25	29.56	240	27	P	H
	*	5230	101.66	-	-	91.23	31.74	8.25	29.56	240	27	A	H
		5355.56	51.72	-22.28	74	41.19	31.81	8.29	29.57	240	27	P	H
		5376	43.96	-10.04	54	33.42	31.82	8.3	29.58	240	27	A	H
		5026	51.72	-22.28	74	41.61	31.62	8.02	29.53	268	56	P	V
		5129.74	43.11	-10.89	54	32.83	31.68	8.15	29.55	268	56	A	V
	*	5230	105.64	-	-	95.21	31.74	8.25	29.56	268	56	P	V
	*	5230	98.9	-	-	88.47	31.74	8.25	29.56	268	56	A	V
		5353.6	50.73	-23.27	74	40.2	31.81	8.29	29.57	268	56	P	V
		5376	42.9	-11.1	54	32.36	31.82	8.3	29.58	268	56	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	48.52	-19.68	68.2	53.34	39.79	12.34	56.95	100	0	P	H
		15570	45.99	-28.01	74	49.46	38.53	14.62	56.62	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	50.38	-17.82	68.2	55.2	39.79	12.34	56.95	100	0	P	V
5190MHz		15570	45.93	-28.07	74	49.4	38.53	14.62	56.62	100	0	P	V
													V
													V
		10460	50.57	-17.63	68.2	55.21	39.91	12.37	56.92	100	0	P	H
		15690	46.58	-27.42	74	50.14	38.24	14.67	56.47	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	50.91	-17.29	68.2	55.55	39.91	12.37	56.92	100	0	P	V
5230MHz		15690	45.16	-28.84	74	48.72	38.24	14.67	56.47	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (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		5145.08	59.27	-14.73	74	48.96	31.69	8.17	29.55	271	37	P	H
		5146.12	52.28	-1.72	54	41.97	31.69	8.17	29.55	271	37	A	H
	*	5210	104.14	-	-	93.73	31.73	8.24	29.56	271	37	P	H
	*	5210	97.25	-	-	86.84	31.73	8.24	29.56	271	37	A	H
		5433.68	51.74	-22.26	74	41.06	31.86	8.4	29.58	271	37	P	H
		5376	44.39	-9.61	54	33.85	31.82	8.3	29.58	271	37	A	H
		5143	54.64	-19.36	74	44.33	31.69	8.17	29.55	301	72	P	V
		5148.98	48.93	-5.07	54	38.61	31.69	8.18	29.55	301	72	A	V
	*	5210	100.62	-	-	90.21	31.73	8.24	29.56	301	72	P	V
	*	5210	93.58	-	-	83.17	31.73	8.24	29.56	301	72	A	V
		5373.2	50.54	-23.46	74	39.99	31.82	8.3	29.57	301	72	P	V
		5376	42.97	-11.03	54	32.43	31.82	8.3	29.58	301	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 802.11ac 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	47.44	-20.76	68.2	52.16	39.85	12.36	56.93	100	0	P	H
		15630	44.62	-29.38	74	48.14	38.37	14.65	56.54	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.83	-19.37	68.2	53.55	39.85	12.36	56.93	100	0	P	V
5210MHz		15630	44.61	-29.39	74	48.13	38.37	14.65	56.54	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		5123.76	51.06	-22.94	74	40.79	31.68	8.14	29.55	252	37	P	H
		5078.54	42.41	-11.59	54	32.21	31.65	8.09	29.54	252	37	A	H
	*	5260	111.95	-	-	101.49	31.76	8.26	29.56	252	37	P	H
	*	5260	104.21	-	-	93.75	31.76	8.26	29.56	252	37	A	H
		5367.12	51.32	-22.68	74	40.77	31.82	8.3	29.57	252	37	P	H
		5376	43.74	-10.26	54	33.2	31.82	8.3	29.58	252	37	A	H
		5022.78	51.01	-22.99	74	40.9	31.62	8.02	29.53	270	58	P	V
		5108.8	42.48	-11.52	54	32.22	31.67	8.13	29.54	270	58	A	V
	*	5260	109.64	-	-	99.18	31.76	8.26	29.56	270	58	P	V
	*	5260	102.36	-	-	91.9	31.76	8.26	29.56	270	58	A	V
		5389.92	53.08	-20.92	74	42.52	31.83	8.31	29.58	270	58	P	V
		5376	42.77	-11.23	54	32.23	31.82	8.3	29.58	270	58	A	V
802.11a CH 60 5300MHz		5075.48	51.68	-22.32	74	41.49	31.65	8.08	29.54	260	36	P	H
		5107.1	42.3	-11.7	54	32.05	31.67	8.12	29.54	260	36	A	H
	*	5300	112.14	-	-	101.66	31.78	8.27	29.57	260	36	P	H
	*	5300	104.52	-	-	94.04	31.78	8.27	29.57	260	36	A	H
		5361.12	57.27	-16.73	74	46.72	31.82	8.3	29.57	260	36	P	H
		5352	45.76	-8.24	54	35.23	31.81	8.29	29.57	260	36	A	H
		5012.92	50.77	-23.23	74	40.68	31.61	8.01	29.53	276	58	P	V
		5038.08	42.24	-11.76	54	32.1	31.63	8.04	29.53	276	58	A	V
	*	5300	109.68	-	-	99.2	31.78	8.27	29.57	276	58	P	V
	*	5300	102.03	-	-	91.55	31.78	8.27	29.57	276	58	A	V
		5356.32	56.01	-17.99	74	45.48	31.81	8.29	29.57	276	58	P	V
		5352	43.85	-10.15	54	33.32	31.81	8.29	29.57	276	58	A	V

802.11a CH 64 5320MHz	*	5320	115.38	-	-	104.88	31.79	8.28	29.57	241	40	P	H
	*	5320	107.62	-	-	97.12	31.79	8.28	29.57	241	40	A	H
		5350.4	58.26	-15.74	74	47.73	31.81	8.29	29.57	241	40	P	H
		5350.08	51.38	-2.62	54	40.85	31.81	8.29	29.57	241	40	A	H
													H
													H
	*	5320	112.28	-	-	101.78	31.79	8.28	29.57	323	58	P	V
	*	5320	104.56	-	-	94.06	31.79	8.28	29.57	323	58	A	V
		5350.88	55.59	-18.41	74	45.06	31.81	8.29	29.57	323	58	P	V
		5350.08	48.02	-5.98	54	37.49	31.81	8.29	29.57	323	58	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	51.86	-16.34	68.2	56.33	40.02	12.39	56.88	100	0	P	H
		15780	46.76	-27.24	74	50.36	38.04	14.72	56.36	100	0	P	H
													H
													H
		10520	52.75	-15.45	68.2	57.22	40.02	12.39	56.88	100	0	P	V
		15780	45.27	-28.73	74	48.87	38.04	14.72	56.36	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	55.57	-18.43	74	59.88	40.1	12.41	56.82	298	8	P	H
		10600	44.92	-9.08	54	49.23	40.1	12.41	56.82	298	8	A	H
		15900	45.55	-28.45	74	49.25	37.75	14.77	56.22	100	0	P	H
													H
		10600	53.99	-20.01	74	58.3	40.1	12.41	56.82	136	356	P	V
		10600	44.15	-9.85	54	48.46	40.1	12.41	56.82	136	356	A	V
		15900	45.36	-28.64	74	49.06	37.75	14.77	56.22	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	49.97	-24.03	74	54.21	40.14	12.41	56.79	100	0	P	H
		15960	47.07	-26.93	74	50.85	37.58	14.79	56.15	100	0	P	H
													H
													H
		10640	49.99	-24.01	74	54.23	40.14	12.41	56.79	100	0	P	V
		15960	45.69	-28.31	74	49.47	37.58	14.79	56.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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)
		5053.72	51.76	-22.24	74	41.61	31.63	8.06	29.54	264	36	P	H
		5145.52	42.65	-11.35	54	32.34	31.69	8.17	29.55	264	36	A	H
	*	5260	112.01	-	-	101.55	31.76	8.26	29.56	264	36	P	H
	*	5260	104.33	-	-	93.87	31.76	8.26	29.56	264	36	A	H
802.11n		5424.48	52.01	-21.99	74	41.36	31.85	8.38	29.58	264	36	P	H
HT20		5376	43.67	-10.33	54	33.13	31.82	8.3	29.58	264	36	A	H
CH 52		5136.68	52.04	-21.96	74	41.75	31.68	8.16	29.55	298	69	P	V
5260MHz		5073.78	42.27	-11.73	54	32.08	31.65	8.08	29.54	298	69	A	V
	*	5260	108.65	-	-	98.19	31.76	8.26	29.56	298	69	P	V
	*	5260	100.92	-	-	90.46	31.76	8.26	29.56	298	69	A	V
		5403.84	51.17	-22.83	74	40.59	31.84	8.32	29.58	298	69	P	V
		5376.24	42.03	-11.97	54	31.49	31.82	8.3	29.58	298	69	A	V
		5028.9	50.67	-23.33	74	40.55	31.62	8.03	29.53	246	35	P	H
		5084.32	42.32	-11.68	54	32.11	31.65	8.1	29.54	246	35	A	H
	*	5300	111.92	-	-	101.44	31.78	8.27	29.57	246	35	P	H
	*	5300	104.46	-	-	93.98	31.78	8.27	29.57	246	35	A	H
802.11n		5363.04	58.55	-15.45	74	48	31.82	8.3	29.57	246	35	P	H
HT20		5351.04	45.94	-8.06	54	35.41	31.81	8.29	29.57	246	35	A	H
CH 60		5078.2	52.94	-21.06	74	42.74	31.65	8.09	29.54	296	70	P	V
5300MHz		5084.32	42.36	-11.64	54	32.15	31.65	8.1	29.54	296	70	A	V
	*	5300	108.34	-	-	97.86	31.78	8.27	29.57	296	70	P	V
	*	5300	100.51	-	-	90.03	31.78	8.27	29.57	296	70	A	V
		5357.76	52.71	-21.29	74	42.17	31.81	8.3	29.57	296	70	P	V
		5350.32	43.33	-10.67	54	32.8	31.81	8.29	29.57	296	70	A	V

	*	5320	111.78	-	-	101.28	31.79	8.28	29.57	246	34	P	H
	*	5320	104.53	-	-	94.03	31.79	8.28	29.57	246	34	A	H
		5354.4	63.46	-10.54	74	52.93	31.81	8.29	29.57	246	34	P	H
		5351.04	47.77	-6.23	54	37.24	31.81	8.29	29.57	246	34	A	H
802.11n													H
HT20													H
CH 64	*	5320	108.69	-	-	98.19	31.79	8.28	29.57	308	64	P	V
5320MHz	*	5320	100.94	-	-	90.44	31.79	8.28	29.57	308	64	A	V
		5366.08	52.92	-21.08	74	42.37	31.82	8.3	29.57	308	64	P	V
		5351.36	44.98	-9.02	54	34.45	31.81	8.29	29.57	308	64	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	53.55	-14.65	68.2	58.02	40.02	12.39	56.88	100	0	P	H
		15780	45.06	-28.94	74	48.66	38.04	14.72	56.36	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	53.64	-14.56	68.2	58.11	40.02	12.39	56.88	100	0	P	V
5260MHz		15780	45.89	-28.11	74	49.49	38.04	14.72	56.36	100	0	P	V
													V
													V
		10600	55.89	-18.11	74	60.2	40.1	12.41	56.82	298	8	P	H
		10600	45.46	-8.54	54	49.77	40.1	12.41	56.82	298	8	A	H
802.11n		15900	44.88	-29.12	74	48.58	37.75	14.77	56.22	100	0	P	H
HT20													H
CH 60		10600	55.26	-18.74	74	59.57	40.1	12.41	56.82	136	334	P	V
5300MHz		10600	45.13	-8.87	54	49.44	40.1	12.41	56.82	136	334	A	V
		15900	45.85	-28.15	74	49.55	37.75	14.77	56.22	100	0	P	V
													V
		10640	56.13	-17.87	74	60.37	40.14	12.41	56.79	302	22	P	H
		10640	45.96	-8.04	54	50.2	40.14	12.41	56.79	302	22	A	H
802.11n		15960	46.52	-27.48	74	50.3	37.58	14.79	56.15	100	0	P	H
HT20													H
CH 64		10640	55.38	-18.62	74	59.62	40.14	12.41	56.79	150	334	P	V
5320MHz		10640	45.61	-8.39	54	49.85	40.14	12.41	56.79	150	334	A	V
		15960	46.28	-27.72	74	50.06	37.58	14.79	56.15	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n 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		5137.7	52.39	-21.61	74	42.1	31.68	8.16	29.55	249	37	P	H
		5145.52	43.59	-10.41	54	33.28	31.69	8.17	29.55	249	37	A	H
	*	5270	109.11	-	-	98.65	31.76	8.26	29.56	249	37	P	H
	*	5270	102.54	-	-	92.08	31.76	8.26	29.56	249	37	A	H
		5354.64	58.62	-15.38	74	48.09	31.81	8.29	29.57	249	37	P	H
		5355.84	47.06	-6.94	54	36.53	31.81	8.29	29.57	249	37	A	H
		5099.62	51.52	-22.48	74	41.29	31.66	8.11	29.54	300	64	P	V
		5075.14	43.2	-10.8	54	33.01	31.65	8.08	29.54	300	64	A	V
	*	5270	104.79	-	-	94.33	31.76	8.26	29.56	300	64	P	V
	*	5270	97.55	-	-	87.09	31.76	8.26	29.56	300	64	A	V
		5371.68	52.13	-21.87	74	41.58	31.82	8.3	29.57	300	64	P	V
		5351.04	43.8	-10.2	54	33.27	31.81	8.29	29.57	300	64	A	V
802.11n HT40 CH 62 5310MHz		5113.56	50.69	-23.31	74	40.43	31.67	8.13	29.54	265	40	P	H
		5031.62	42.98	-11.02	54	32.86	31.62	8.03	29.53	265	40	A	H
	*	5310	107	-	-	96.5	31.79	8.28	29.57	265	40	P	H
	*	5310	99.68	-	-	89.18	31.79	8.28	29.57	265	40	A	H
		5350.32	59.84	-14.16	74	49.31	31.81	8.29	29.57	265	40	P	H
		5350.08	52.6	-1.4	54	42.07	31.81	8.29	29.57	265	40	A	H
		5121.04	50.87	-23.13	74	40.61	31.67	8.14	29.55	306	70	P	V
		5099.28	43.05	-10.95	54	32.82	31.66	8.11	29.54	306	70	A	V
	*	5310	103.21	-	-	92.71	31.79	8.28	29.57	306	70	P	V
	*	5310	96	-	-	85.5	31.79	8.28	29.57	306	70	A	V
		5351.04	58.49	-15.51	74	47.96	31.81	8.29	29.57	306	70	P	V
		5350.08	49.96	-4.04	54	39.43	31.81	8.29	29.57	306	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 802.11n 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	51.71	-16.49	68.2	56.16	40.03	12.39	56.87	100	0	P	H
		15810	46.32	-27.68	74	49.96	37.96	14.73	56.33	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	52.42	-15.78	68.2	56.87	40.03	12.39	56.87	100	0	P	V
5270MHz		15810	45.51	-28.49	74	49.15	37.96	14.73	56.33	100	0	P	V
													V
													V
		10620	48.38	-25.62	74	52.65	40.12	12.41	56.8	100	0	P	H
		15930	44.4	-29.6	74	48.13	37.67	14.78	56.18	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	47.17	-26.83	74	51.44	40.12	12.41	56.8	100	0	P	V
5310MHz		15930	44.12	-29.88	74	47.85	37.67	14.78	56.18	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (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		5083.64	51.41	-22.59	74	41.21	31.65	8.09	29.54	245	37	P	H
		5091.8	43.2	-10.8	54	32.98	31.66	8.1	29.54	245	37	A	H
	*	5290	103.24	-	-	92.76	31.77	8.27	29.56	245	37	P	H
	*	5290	95.77	-	-	85.29	31.77	8.27	29.56	245	37	A	H
		5350.56	60.43	-13.57	74	49.9	31.81	8.29	29.57	245	37	P	H
		5352	52.84	-1.16	54	42.31	31.81	8.29	29.57	245	37	A	H
		5006.46	51.35	-22.65	74	41.27	31.61	8	29.53	310	71	P	V
		5085.34	43.26	-10.74	54	33.05	31.65	8.1	29.54	310	71	A	V
	*	5290	99.58	-	-	89.1	31.77	8.27	29.56	310	71	P	V
	*	5290	91.88	-	-	81.4	31.77	8.27	29.56	310	71	A	V
		5356.08	56.42	-17.58	74	45.89	31.81	8.29	29.57	310	71	P	V
		5350.08	48.49	-5.51	54	37.96	31.81	8.29	29.57	310	71	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	48.52	-19.68	68.2	52.87	40.09	12.4	56.84	100	0	P	H
		15870	45.28	-28.72	74	49	37.79	14.75	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.91	-21.29	68.2	51.26	40.09	12.4	56.84	100	0	P	V
5290MHz		15870	45.47	-28.53	74	49.19	37.79	14.75	56.26	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (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		5453.2	61.17	-12.83	74	50.44	31.87	8.45	29.59	273	42	P	H
		5467.92	65.05	-3.15	68.2	54.27	31.88	8.49	29.59	273	42	P	H
		5459.6	49.05	-4.95	54	38.3	31.87	8.47	29.59	273	42	A	H
	*	5500	117.09	-	-	106.2	31.9	8.58	29.59	273	42	P	H
	*	5500	109.04	-	-	98.15	31.9	8.58	29.59	273	42	A	H
													H
		5450.96	56.29	-17.71	74	45.56	31.87	8.45	29.59	318	64	P	V
		5466.16	60.58	-7.62	68.2	49.8	31.88	8.49	29.59	318	64	P	V
		5458.8	46.33	-7.67	54	35.58	31.87	8.47	29.59	318	64	A	V
	*	5500	113.03	-	-	102.14	31.9	8.58	29.59	318	64	P	V
	*	5500	105.61	-	-	94.72	31.9	8.58	29.59	318	64	A	V
													V
802.11a CH 116 5580MHz		5457.04	50.97	-23.03	74	40.23	31.87	8.46	29.59	246	44	P	H
		5465.44	50.87	-17.33	68.2	40.09	31.88	8.49	29.59	246	44	P	H
		5452.72	42.69	-11.31	54	31.96	31.87	8.45	29.59	246	44	A	H
	*	5580	111.64	-	-	100.47	32	8.8	29.63	246	44	P	H
	*	5580	103.62	-	-	92.45	32	8.8	29.63	246	44	A	H
		5742.005	51.92	-16.28	68.2	40.56	32.24	8.81	29.69	246	44	P	H
		5419.6	50.36	-23.64	74	39.73	31.85	8.36	29.58	252	296	P	V
		5468.32	50.5	-17.7	68.2	39.72	31.88	8.49	29.59	252	296	P	V
		5457.76	41.8	-12.2	54	31.05	31.87	8.47	29.59	252	296	A	V
	*	5580	107.79	-	-	96.62	32	8.8	29.63	252	296	P	V
	*	5580	99.53	-	-	88.36	32	8.8	29.63	252	296	A	V
		5740.745	52.08	-16.12	68.2	40.72	32.24	8.81	29.69	252	296	P	V

802.11a CH 140 5700MHz	*	5700	118.47	-	-	107.14	32.17	8.83	29.67	237	40	P	H
	*	5700	110.56	-	-	99.23	32.17	8.83	29.67	237	40	A	H
		5725.8	65.36	-2.84	68.2	54.01	32.21	8.82	29.68	237	40	P	H
													H
													H
													H
	*	5700	110.65	-	-	99.32	32.17	8.83	29.67	327	74	P	V
	*	5700	102.8	-	-	91.47	32.17	8.83	29.67	327	74	A	V
		5725	54.58	-13.62	68.2	43.23	32.21	8.82	29.68	327	74	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	47.89	-26.11	74	51.38	40.5	12.51	56.5	100	0	P	H
		16500	47.27	-20.93	68.2	48.65	39.4	14.92	55.7	100	0	P	H
													H
													H
		11000	47.9	-26.1	74	51.39	40.5	12.51	56.5	100	0	P	V
		16500	47.07	-21.13	68.2	48.45	39.4	14.92	55.7	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	57.27	-16.73	74	60.82	40.3	12.59	56.44	303	19	P	H
		11160	47.64	-6.36	54	51.19	40.3	12.59	56.44	303	19	A	H
		16740	50.38	-17.82	68.2	51.62	39.69	14.96	55.89	100	0	P	H
													H
		11160	55.9	-18.1	74	59.45	40.3	12.59	56.44	206	10	P	V
		11160	46.38	-7.62	54	49.93	40.3	12.59	56.44	206	10	A	V
		16740	48.6	-19.6	68.2	49.84	39.69	14.96	55.89	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	49.59	-24.41	74	53.2	40.02	12.71	56.34	100	0	P	H
		17100	49.37	-18.83	68.2	50.25	40.36	15.06	56.3	100	0	P	H
													H
													H
		11400	48.17	-25.83	74	51.78	40.02	12.71	56.34	100	0	P	V
		17100	48.32	-19.88	68.2	49.2	40.36	15.06	56.3	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n 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)
		5456.72	58.99	-15.01	74	48.25	31.87	8.46	29.59	256	43	P	H
		5468.4	60.88	-7.32	68.2	50.1	31.88	8.49	29.59	256	43	P	H
		5459.76	45.06	-8.94	54	34.31	31.87	8.47	29.59	256	43	A	H
	*	5500	110.13	-	-	99.24	31.9	8.58	29.59	256	43	P	H
802.11n	*	5500	102.24	-	-	91.35	31.9	8.58	29.59	256	43	A	H
HT20													H
CH 100		5456.56	56.26	-17.74	74	45.52	31.87	8.46	29.59	257	294	P	V
5500MHz		5461.52	57.37	-10.83	68.2	46.61	31.87	8.48	29.59	257	294	P	V
		5452.88	43.13	-10.87	54	32.4	31.87	8.45	29.59	257	294	A	V
	*	5500	106.58	-	-	95.69	31.9	8.58	29.59	257	294	P	V
	*	5500	98.99	-	-	88.1	31.9	8.58	29.59	257	294	A	V
													V
		5423.92	50.5	-23.5	74	39.86	31.85	8.37	29.58	248	44	P	H
		5466.16	49.13	-19.07	68.2	38.35	31.88	8.49	29.59	248	44	P	H
		5452.72	42.56	-11.44	54	31.83	31.87	8.45	29.59	248	44	A	H
	*	5580	110.69	-	-	99.52	32	8.8	29.63	248	44	P	H
802.11n	*	5580	102.95	-	-	91.78	32	8.8	29.63	248	44	A	H
HT20		5736.965	52.59	-15.61	68.2	41.22	32.24	8.82	29.69	248	44	P	H
CH 116		5445.04	50.36	-23.64	74	39.65	31.86	8.43	29.58	276	291	P	V
5580MHz		5466.16	49.32	-18.88	68.2	38.54	31.88	8.49	29.59	276	291	P	V
		5452.72	42.12	-11.88	54	31.39	31.87	8.45	29.59	276	291	A	V
	*	5580	106.75	-	-	95.58	32	8.8	29.63	276	291	P	V
	*	5580	99.34	-	-	88.17	32	8.8	29.63	276	291	A	V
		5736.335	49.81	-18.39	68.2	38.44	32.24	8.82	29.69	276	291	P	V

	*	5700	112.49	-	-	101.16	32.17	8.83	29.67	250	39	P	H
	*	5700	104.66	-	-	93.33	32.17	8.83	29.67	250	39	A	H
		5729.56	63.47	-4.73	68.2	52.12	32.21	8.82	29.68	250	39	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	107.48	-	-	96.15	32.17	8.83	29.67	255	305	P	V
5700MHz	*	5700	99.84	-	-	88.51	32.17	8.83	29.67	255	305	A	V
		5729.8	56.19	-12.01	68.2	44.84	32.21	8.82	29.68	255	305	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	47.53	-26.47	74	51.02	40.5	12.51	56.5	100	0	P	H
		16500	47.06	-21.14	68.2	48.44	39.4	14.92	55.7	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	48.51	-25.49	74	52	40.5	12.51	56.5	100	0	P	V
5500MHz		16500	47.24	-20.96	68.2	48.62	39.4	14.92	55.7	100	0	P	V
													V
													V
		11160	49.03	-24.97	74	52.58	40.3	12.59	56.44	100	0	P	H
		16740	47.18	-21.02	68.2	48.42	39.69	14.96	55.89	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	49.57	-24.43	74	53.12	40.3	12.59	56.44	100	0	P	V
5580MHz		16740	47.7	-20.5	68.2	48.94	39.69	14.96	55.89	100	0	P	V
													V
													V
		11400	49.77	-24.23	74	53.38	40.02	12.71	56.34	100	0	P	H
		17100	48.4	-19.8	68.2	49.28	40.36	15.06	56.3	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	51.07	-22.93	74	54.68	40.02	12.71	56.34	120	327	P	V
5700MHz		11400	41.26	-12.74	54	44.87	40.02	12.71	56.34	120	327	A	V
		17100	48.66	-19.54	68.2	49.54	40.36	15.06	56.3	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)
		5458.96	60.78	-13.22	74	50.03	31.87	8.47	29.59	253	46	P	H
		5465.92	63.82	-4.38	68.2	53.04	31.88	8.49	29.59	253	46	P	H
		5459.68	47.2	-6.8	54	36.45	31.87	8.47	29.59	253	46	A	H
	*	5510	107.72	-	-	96.81	31.9	8.61	29.6	253	46	P	H
802.11n	*	5510	99.6	-	-	88.69	31.9	8.61	29.6	253	46	A	H
HT40		5730.035	52.05	-16.15	68.2	40.7	32.21	8.82	29.68	253	46	P	H
CH 102		5459.2	58.47	-15.53	74	47.72	31.87	8.47	29.59	235	63	P	V
5510MHz		5467.12	58.32	-9.88	68.2	47.54	31.88	8.49	29.59	235	63	P	V
		5459.2	45.3	-8.7	54	34.55	31.87	8.47	29.59	235	63	A	V
	*	5510	103.51	-	-	92.6	31.9	8.61	29.6	235	63	P	V
	*	5510	95.47	-	-	84.56	31.9	8.61	29.6	235	63	A	V
		5725.94	51.47	-16.73	68.2	40.12	32.21	8.82	29.68	235	63	P	V
		5459.68	52.89	-21.11	74	42.14	31.87	8.47	29.59	255	45	P	H
		5461.6	55.13	-13.07	68.2	44.37	31.87	8.48	29.59	255	45	P	H
		5452.72	44.88	-9.12	54	34.15	31.87	8.45	29.59	255	45	A	H
	*	5550	109.08	-	-	98	31.97	8.72	29.61	255	45	P	H
802.11n	*	5550	100.38	-	-	89.3	31.97	8.72	29.61	255	45	A	H
HT40		5759.645	52.67	-15.53	68.2	41.31	32.26	8.81	29.71	255	45	P	H
CH 110		5404.24	51.94	-22.06	74	41.36	31.84	8.32	29.58	251	61	P	V
5550MHz		5464.48	53.53	-14.67	68.2	42.76	31.88	8.48	29.59	251	61	P	V
		5459.92	42.99	-11.01	54	32.24	31.87	8.47	29.59	251	61	A	V
	*	5550	104.63	-	-	93.55	31.97	8.72	29.61	251	61	P	V
	*	5550	96.13	-	-	85.05	31.97	8.72	29.61	251	61	A	V
		5744.21	52.05	-16.15	68.2	40.69	32.24	8.81	29.69	251	61	P	V

		5459.9	51.34	-22.66	74	40.59	31.87	8.47	29.59	251	43	P	H
		5460.95	51.94	-16.26	68.2	41.19	31.87	8.47	29.59	251	43	P	H
		5452.9	42.54	-11.46	54	31.81	31.87	8.45	29.59	251	43	A	H
	*	5670	108.98	-	-	97.67	32.14	8.83	29.66	251	43	P	H
802.11n	*	5670	101.27	-	-	89.96	32.14	8.83	29.66	251	43	A	H
HT40		5729.405	61.11	-7.09	68.2	49.76	32.21	8.82	29.68	251	43	P	H
CH 134		5451.15	50.95	-23.05	74	40.22	31.87	8.45	29.59	243	60	P	V
5670MHz		5463.4	51.25	-16.95	68.2	40.48	31.88	8.48	29.59	243	60	P	V
		5457.1	42.38	-11.62	54	31.64	31.87	8.46	29.59	243	60	A	V
	*	5670	103.87	-	-	92.56	32.14	8.83	29.66	243	60	P	V
	*	5670	95.68	-	-	84.37	32.14	8.83	29.66	243	60	A	V
		5728.775	57.77	-10.43	68.2	46.42	32.21	8.82	29.68	243	60	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	51.74	40.48	12.52	56.49	100	0	P	H
		16530	47.92	-20.28	68.2	49.28	39.44	14.92	55.72	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	46.69	-27.31	74	50.18	40.48	12.52	56.49	100	0	P	V
5510MHz		16530	47.43	-20.77	68.2	48.79	39.44	14.92	55.72	100	0	P	V
													V
													V
		11100	47.68	-26.32	74	51.2	40.38	12.56	56.46	100	0	P	H
		16650	47.56	-20.64	68.2	48.84	39.59	14.95	55.82	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	47.78	-26.22	74	51.3	40.38	12.56	56.46	100	0	P	V
5550MHz		16650	47.58	-20.62	68.2	48.86	39.59	14.95	55.82	100	0	P	V
													V
													V
		11340	46.96	-27.04	74	50.54	40.1	12.68	56.36	100	0	P	H
		17010	46.78	-21.42	68.2	47.83	40.06	15.01	56.12	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	47.5	-26.5	74	51.08	40.1	12.68	56.36	100	0	P	V
5670MHz		17010	47.45	-20.75	68.2	48.5	40.06	15.01	56.12	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	59	-15	74	48.27	31.87	8.45	29.59	253	42	P	H
		5464.72	60.52	-7.68	68.2	49.75	31.88	8.48	29.59	253	42	P	H
		5457.04	46.42	-7.58	54	35.68	31.87	8.46	29.59	253	42	A	H
	*	5530	105.31	-	-	94.34	31.92	8.66	29.61	253	42	P	H
802.11ac	*	5530	96.53	-	-	85.56	31.92	8.66	29.61	253	42	A	H
VHT80		5761.85	53.13	-15.07	68.2	41.77	32.26	8.81	29.71	253	42	P	H
CH 106		5454.4	55.91	-18.09	74	45.17	31.87	8.46	29.59	256	60	P	V
5530MHz		5464.72	58.56	-9.64	68.2	47.79	31.88	8.48	29.59	256	60	P	V
		5445.28	44.92	-9.08	54	34.21	31.86	8.43	29.58	256	60	A	V
	*	5530	101.35	-	-	90.38	31.92	8.66	29.61	256	60	P	V
	*	5530	92.88	-	-	81.91	31.92	8.66	29.61	256	60	A	V
		5741.06	51.37	-16.83	68.2	40.01	32.24	8.81	29.69	256	60	P	V
		5459.92	51.9	-22.1	74	41.15	31.87	8.47	29.59	236	42	P	H
		5461.6	52.73	-15.47	68.2	41.97	31.87	8.48	29.59	236	42	P	H
		5452.48	43.69	-10.31	54	32.96	31.87	8.45	29.59	236	42	A	H
	*	5610	106.47	-	-	95.22	32.04	8.85	29.64	236	42	P	H
802.11ac	*	5610	97.94	-	-	86.69	32.04	8.85	29.64	236	42	A	H
VHT80		5753.345	52.21	-15.99	68.2	40.83	32.26	8.81	29.69	236	42	P	H
CH 122		5408.08	51.05	-22.95	74	40.46	31.84	8.33	29.58	247	297	P	V
5610MHz		5469.04	51.33	-16.87	68.2	40.54	31.88	8.5	29.59	247	297	P	V
		5452.72	42.7	-11.3	54	31.97	31.87	8.45	29.59	247	297	A	V
	*	5610	101.73	-	-	90.48	32.04	8.85	29.64	247	297	P	V
	*	5610	92.94	-	-	81.69	32.04	8.85	29.64	247	297	A	V
		5752.4	52.76	-15.44	68.2	41.38	32.26	8.81	29.69	247	297	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	46.5	-27.5	74	50.02	40.42	12.54	56.48	100	0	P	H
		16590	47.82	-20.38	68.2	49.16	39.5	14.93	55.77	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.05	-26.95	74	50.57	40.42	12.54	56.48	100	0	P	V
5530MHz		16590	46.53	-21.67	68.2	47.87	39.5	14.93	55.77	100	0	P	V
													V
													V
		11220	47.1	-26.9	74	50.65	40.24	12.62	56.41	100	0	P	H
		16830	48.17	-20.03	68.2	49.36	39.79	14.98	55.96	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.47	-26.53	74	51.02	40.24	12.62	56.41	100	0	P	V
5610MHz		16830	46.84	-21.36	68.2	48.03	39.79	14.98	55.96	100	0	P	V
													V
													V

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

Band 3 - Straddle Channel

WIFI 802.11a (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		5417.86	50.14	-23.86	74	39.51	31.85	8.36	29.58	250	41	P	H
		5464.66	49.88	-18.32	68.2	39.11	31.88	8.48	29.59	250	41	P	H
		5452.57	41.9	-12.1	54	31.17	31.87	8.45	29.59	250	41	A	H
	*	5720	112.79	-	-	101.44	32.21	8.82	29.68	250	41	P	H
	*	5720	104.76	-	-	93.41	32.21	8.82	29.68	250	41	A	H
		5943.25	52.52	-15.68	68.2	40.84	32.53	8.93	29.78	250	41	P	H
		5413.18	50.33	-23.67	74	39.71	31.85	8.35	29.58	400	61	P	V
		5468.95	49.23	-18.97	68.2	38.44	31.88	8.5	29.59	400	61	P	V
		5455.69	41.59	-12.41	54	30.85	31.87	8.46	29.59	400	61	A	V
	*	5720	109.25	-	-	97.9	32.21	8.82	29.68	400	61	P	V
	*	5720	101.38	-	-	90.03	32.21	8.82	29.68	400	61	A	V
		5864.75	53.07	-15.13	68.2	41.55	32.41	8.86	29.75	400	61	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	52.94	-21.06	74	56.56	39.98	12.72	56.32	100	5	P	H
		11440	44.44	-9.56	54	48.06	39.98	12.72	56.32	100	5	A	H
		17160	48.38	-19.82	68.2	49.13	40.6	15.07	56.42	100	0	P	H
													H
		11440	48.87	-25.13	74	52.49	39.98	12.72	56.32	100	0	P	V
		17160	48.7	-19.5	68.2	49.45	40.6	15.07	56.42	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI 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		5457.25	50.49	-23.51	74	39.75	31.87	8.46	29.59	252	42	P	H
		5467	50.53	-17.67	68.2	39.75	31.88	8.49	29.59	252	42	P	H
		5452.57	41.76	-12.24	54	31.03	31.87	8.45	29.59	252	42	A	H
	*	5720	111.84	-	-	100.49	32.21	8.82	29.68	252	42	P	H
	*	5720	103.91	-	-	92.56	32.21	8.82	29.68	252	42	A	H
		5895	52.73	-15.47	68.2	41.14	32.46	8.89	29.76	252	42	P	H
		5458.03	50.18	-23.82	74	39.43	31.87	8.47	29.59	400	61	P	V
		5463.1	49.36	-18.84	68.2	38.59	31.88	8.48	29.59	400	61	P	V
		5456.86	41.59	-12.41	54	30.85	31.87	8.46	29.59	400	61	A	V
	*	5720	108.28	-	-	96.93	32.21	8.82	29.68	400	61	P	V
	*	5720	100.41	-	-	89.06	32.21	8.82	29.68	400	61	A	V
		5895.25	52.12	-16.08	68.2	40.53	32.46	8.89	29.76	400	61	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	49.56	-24.44	74	53.18	39.98	12.72	56.32	100	0	P	H
		17160	48.95	-19.25	68.2	49.7	40.6	15.07	56.42	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	47.58	-26.42	74	51.2	39.98	12.72	56.32	100	0	P	V
5720MHz		17160	48.28	-19.92	68.2	49.03	40.6	15.07	56.42	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		5415.13	50.31	-23.69	74	39.69	31.85	8.35	29.58	251	42	P	H
		5461.93	50.74	-17.46	68.2	39.98	31.87	8.48	29.59	251	42	P	H
		5452.57	42.48	-11.52	54	31.75	31.87	8.45	29.59	251	42	A	H
	*	5710	110.09	-	-	98.76	32.19	8.82	29.68	251	42	P	H
	*	5710	102.33	-	-	91	32.19	8.82	29.68	251	42	A	H
		5860.25	53.55	-14.65	68.2	42.04	32.41	8.85	29.75	251	42	P	H
		5456.08	50.94	-23.06	74	40.2	31.87	8.46	29.59	248	301	P	V
		5466.22	50.43	-17.77	68.2	39.65	31.88	8.49	29.59	248	301	P	V
		5452.57	41.85	-12.15	54	31.12	31.87	8.45	29.59	248	301	A	V
	*	5710	104.76	-	-	93.43	32.19	8.82	29.68	248	301	P	V
	*	5710	96.67	-	-	85.34	32.19	8.82	29.68	248	301	A	V
		5854.5	52.65	-15.55	68.2	41.13	32.41	8.85	29.74	248	301	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	47.98	-26.02	74	51.6	40	12.71	56.33	100	0	P	H
		17130	48.92	-19.28	68.2	49.73	40.48	15.07	56.36	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	48.08	-25.92	74	51.7	40	12.71	56.33	100	0	P	V
5710MHz		17130	48.27	-19.93	68.2	49.08	40.48	15.07	56.36	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		5432.68	51.38	-22.62	74	40.7	31.86	8.4	29.58	242	41	P	H
		5464.27	50.73	-17.47	68.2	39.96	31.88	8.48	29.59	242	41	P	H
		5452.57	42.62	-11.38	54	31.89	31.87	8.45	29.59	242	41	A	H
	*	5690	106.75	-	-	95.42	32.17	8.83	29.67	242	41	P	H
	*	5690	98.45	-	-	87.12	32.17	8.83	29.67	242	41	A	H
		5939.2	53.92	-14.28	68.2	42.24	32.53	8.93	29.78	242	41	P	H
		5443.21	50.98	-23.02	74	40.27	31.86	8.43	29.58	267	301	P	V
		5465.05	50.69	-17.51	68.2	39.91	31.88	8.49	29.59	267	301	P	V
		5452.96	42.01	-11.99	54	31.28	31.87	8.45	29.59	267	301	A	V
	*	5690	100.61	-	-	89.28	32.17	8.83	29.67	267	301	P	V
	*	5690	92.63	-	-	81.3	32.17	8.83	29.67	267	301	A	V
		5941	52.54	-15.66	68.2	40.86	32.53	8.93	29.78	267	301	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	46.65	-27.35	74	50.26	40.04	12.7	56.35	100	0	P	H
		17070	48.74	-19.46	68.2	49.7	40.24	15.04	56.24	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	46.91	-27.09	74	50.52	40.04	12.7	56.35	100	0	P	V
5690MHz		17070	48.11	-20.09	68.2	49.07	40.24	15.04	56.24	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		133.95	28.08	-15.42	43.5	41.46	17.38	1.38	32.19	-	-	P	H
		206.85	25.64	-17.86	43.5	40.93	15.09	1.69	32.14	-	-	P	H
		291.09	33.87	-12.13	46	45	18.95	2.01	32.15	-	-	P	H
		384	28.31	-17.69	46	36.84	21.22	2.32	32.16	-	-	P	H
		806.8	31.44	-14.56	46	31.79	28.09	3.3	31.86	-	-	P	H
		885.9	35.4	-10.6	46	34.27	29.07	3.43	31.48	100	0	P	H
													H
													H
													H
													H
													H
													H
		32.43	25.57	-14.43	40	34.01	23.1	0.77	32.29	-	-	P	V
		60.51	27.61	-12.39	40	47.13	11.78	0.99	32.27	-	-	P	V
		116.13	25.99	-17.51	43.5	39.72	17.09	1.3	32.2	-	-	P	V
		312.6	26.02	-19.98	46	36.71	19.32	2.08	32.15	-	-	P	V
		736.8	30.37	-15.63	46	31.42	27.76	3.11	32.02	-	-	P	V
		885.9	41.67	-4.33	46	40.54	29.07	3.43	31.48	100	0	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		5149.76	58.21	-15.79	74	47.89	31.69	8.18	29.55	101	12	P	H
		5149.76	50.47	-3.53	54	40.15	31.69	8.18	29.55	101	12	A	H
	*	5180	113.47	-	-	103.09	31.71	8.22	29.55	101	12	P	H
	*	5180	105.52	-	-	95.14	31.71	8.22	29.55	101	12	A	H
													H
													H
		5148.72	55.96	-18.04	74	45.64	31.69	8.18	29.55	101	60	P	V
		5150	48.96	-5.04	54	38.64	31.69	8.18	29.55	101	60	A	V
	*	5180	110.39	-	-	100.01	31.71	8.22	29.55	101	60	P	V
	*	5180	103.54	-	-	93.16	31.71	8.22	29.55	101	60	A	V
													V
													V
802.11a CH 44 5220MHz		5149.5	52.79	-21.21	74	42.47	31.69	8.18	29.55	303	51	P	H
		5149.5	43.45	-10.55	54	33.13	31.69	8.18	29.55	303	51	A	H
	*	5220	110.86	-	-	100.44	31.73	8.25	29.56	303	51	P	H
	*	5220	103.38	-	-	92.96	31.73	8.25	29.56	303	51	A	H
		5423.6	50.42	-23.58	74	39.78	31.85	8.37	29.58	303	51	P	H
		5458.32	42.05	-11.95	54	31.3	31.87	8.47	29.59	303	51	A	H
		5056.68	52.99	-21.01	74	42.83	31.64	8.06	29.54	104	65	P	V
		5147.68	43.08	-10.92	54	32.77	31.69	8.17	29.55	104	65	A	V
	*	5220	110.05	-	-	99.63	31.73	8.25	29.56	104	65	P	V
	*	5220	102.52	-	-	92.1	31.73	8.25	29.56	104	65	A	V
		5397	51.59	-22.41	74	41.02	31.84	8.31	29.58	104	65	P	V
		5458.04	41.86	-12.14	54	31.11	31.87	8.47	29.59	104	65	A	V

802.11a CH 48 5240MHz		5145.34	52.63	-21.37	74	42.32	31.69	8.17	29.55	304	50	P	H
		5147.16	42.57	-11.43	54	32.26	31.69	8.17	29.55	304	50	A	H
	*	5240	111.44	-	-	101.01	31.74	8.25	29.56	304	50	P	H
	*	5240	103.7	-	-	93.27	31.74	8.25	29.56	304	50	A	H
		5435.36	51.89	-22.11	74	41.2	31.86	8.41	29.58	304	50	P	H
		5356.4	42.22	-11.78	54	31.69	31.81	8.29	29.57	304	50	A	H
		5112.84	52.21	-21.79	74	41.95	31.67	8.13	29.54	101	65	P	V
		5139.36	42.53	-11.47	54	32.24	31.68	8.16	29.55	101	65	A	V
	*	5240	109.83	-	-	99.4	31.74	8.25	29.56	101	65	P	V
	*	5240	102.13	-	-	91.7	31.74	8.25	29.56	101	65	A	V
		5434.52	51.44	-22.56	74	40.76	31.86	8.4	29.58	101	65	P	V
		5456.08	41.75	-12.25	54	31.01	31.87	8.46	29.59	101	65	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.69	-20.51	68.2	52.55	39.76	12.34	56.96	100	0	P	H
		15540	45.76	-28.24	74	49.17	38.62	14.62	56.65	100	0	P	H
													H
													H
		10360	46.39	-21.81	68.2	51.25	39.76	12.34	56.96	100	0	P	V
		15540	45.69	-28.31	74	49.1	38.62	14.62	56.65	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.85	-21.35	68.2	51.53	39.88	12.36	56.92	100	0	P	H
		15660	47.91	-26.09	74	51.42	38.33	14.67	56.51	100	0	P	H
													H
													H
		10440	47.83	-20.37	68.2	52.51	39.88	12.36	56.92	100	0	P	V
		15660	45.16	-28.84	74	48.67	38.33	14.67	56.51	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	52.05	-16.15	68.2	56.62	39.97	12.37	56.91	100	0	P	H
		15720	55.07	-18.93	74	58.66	38.16	14.69	56.44	195	337	P	H
		15720	44.45	-9.55	54	48.04	38.16	14.69	56.44	195	337	A	H
													H
		10480	52.74	-15.46	68.2	57.31	39.97	12.37	56.91	100	0	P	V
		15720	55.71	-18.29	74	59.3	38.16	14.69	56.44	190	306	P	V
		15720	45.52	-8.48	54	49.11	38.16	14.69	56.44	190	306	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n 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)
		5148.46	56.02	-17.98	74	45.7	31.69	8.18	29.55	100	30	P	H
		5148.98	45.46	-8.54	54	35.14	31.69	8.18	29.55	100	30	A	H
	*	5180	109.8	-	-	99.42	31.71	8.22	29.55	100	30	P	H
	*	5180	102.01	-	-	91.63	31.71	8.22	29.55	100	30	A	H
802.11n													H
HT20													H
CH 36		5147.42	55.15	-18.85	74	44.84	31.69	8.17	29.55	102	66	P	V
5180MHz		5149.5	44.71	-9.29	54	34.39	31.69	8.18	29.55	102	66	A	V
	*	5180	108.43	-	-	98.05	31.71	8.22	29.55	102	66	P	V
	*	5180	100.86	-	-	90.48	31.71	8.22	29.55	102	66	A	V
													V
													V
		5044.98	51.94	-22.06	74	41.8	31.63	8.05	29.54	309	50	P	H
		5149.5	43.09	-10.91	54	32.77	31.69	8.18	29.55	309	50	A	H
	*	5220	110.22	-	-	99.8	31.73	8.25	29.56	309	50	P	H
	*	5220	102.32	-	-	91.9	31.73	8.25	29.56	309	50	A	H
802.11n		5425.28	51.98	-22.02	74	41.33	31.85	8.38	29.58	309	50	P	H
HT20		5459.44	41.97	-12.03	54	31.22	31.87	8.47	29.59	309	50	A	H
CH 44		5083.46	51.62	-22.38	74	41.42	31.65	8.09	29.54	103	66	P	V
5220MHz		5148.72	42.68	-11.32	54	32.36	31.69	8.18	29.55	103	66	A	V
	*	5220	108.58	-	-	98.16	31.73	8.25	29.56	103	66	P	V
	*	5220	100.85	-	-	90.43	31.73	8.25	29.56	103	66	A	V
		5450.2	51.57	-22.43	74	40.84	31.87	8.45	29.59	103	66	P	V
		5450.48	41.76	-12.24	54	31.03	31.87	8.45	29.59	103	66	A	V

		5066.56	52.08	-21.92	74	41.91	31.64	8.07	29.54	296	50	P	H
		5150	42.52	-11.48	54	32.2	31.69	8.18	29.55	296	50	A	H
	*	5240	110.84	-	-	100.41	31.74	8.25	29.56	296	50	P	H
	*	5240	103.04	-	-	92.61	31.74	8.25	29.56	296	50	A	H
802.11n		5457.76	51.37	-22.63	74	40.62	31.87	8.47	29.59	296	50	P	H
HT20		5351.36	42.16	-11.84	54	31.63	31.81	8.29	29.57	296	50	A	H
CH 48		5129.22	52.47	-21.53	74	42.19	31.68	8.15	29.55	102	65	P	V
5240MHz		5148.46	42.38	-11.62	54	32.06	31.69	8.18	29.55	102	65	A	V
	*	5240	108.79	-	-	98.36	31.74	8.25	29.56	102	65	P	V
	*	5240	100.94	-	-	90.51	31.74	8.25	29.56	102	65	A	V
		5444.32	50.83	-23.17	74	40.12	31.86	8.43	29.58	102	65	P	V
		5455.8	41.76	-12.24	54	31.02	31.87	8.46	29.59	102	65	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	47.6	-20.6	68.2	52.46	39.76	12.34	56.96	100	0	P	H
		15540	46.23	-27.77	74	49.64	38.62	14.62	56.65	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	47.17	-21.03	68.2	52.03	39.76	12.34	56.96	100	0	P	V
5180MHz		15540	45.58	-28.42	74	48.99	38.62	14.62	56.65	100	0	P	V
													V
													V
		10440	48.03	-20.17	68.2	52.71	39.88	12.36	56.92	100	0	P	H
		15660	45.64	-28.36	74	49.15	38.33	14.67	56.51	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	47.45	-20.75	68.2	52.13	39.88	12.36	56.92	100	0	P	V
5220MHz		15660	45.6	-28.4	74	49.11	38.33	14.67	56.51	100	0	P	V
													V
													V
		10480	47.54	-20.66	68.2	52.11	39.97	12.37	56.91	100	0	P	H
		15720	46.8	-27.2	74	50.39	38.16	14.69	56.44	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	48.46	-19.74	68.2	53.03	39.97	12.37	56.91	100	0	P	V
5240MHz		15720	46	-28	74	49.59	38.16	14.69	56.44	100	0	P	V
													V
													V

Remark

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

Band 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)
		5149.76	57.04	-16.96	74	46.72	31.69	8.18	29.55	301	50	P	H
		5150	51.63	-2.37	54	41.31	31.69	8.18	29.55	301	50	A	H
	*	5190	106.6	-	-	96.21	31.71	8.23	29.55	301	50	P	H
	*	5190	99.26	-	-	88.87	31.71	8.23	29.55	301	50	A	H
802.11n		5410.72	50.62	-23.38	74	40.02	31.84	8.34	29.58	301	50	P	H
HT40		5455.8	42.28	-11.72	54	31.54	31.87	8.46	29.59	301	50	A	H
CH 38		5147.42	56.9	-17.1	74	46.59	31.69	8.17	29.55	100	66	P	V
5190MHz		5150	49.62	-4.38	54	39.3	31.69	8.18	29.55	100	66	A	V
	*	5190	104.8	-	-	94.41	31.71	8.23	29.55	100	66	P	V
	*	5190	97.48	-	-	87.09	31.71	8.23	29.55	100	66	A	V
		5418.56	50.14	-23.86	74	39.51	31.85	8.36	29.58	100	66	P	V
		5456.08	42.08	-11.92	54	31.34	31.87	8.46	29.59	100	66	A	V
		5144.82	51.73	-22.27	74	41.42	31.69	8.17	29.55	100	30	P	H
		5149.5	43.81	-10.19	54	33.49	31.69	8.18	29.55	100	30	A	H
	*	5230	107.69	-	-	97.26	31.74	8.25	29.56	100	30	P	H
	*	5230	100.52	-	-	90.09	31.74	8.25	29.56	100	30	A	H
802.11n		5447.4	51.53	-22.47	74	40.8	31.87	8.44	29.58	100	30	P	H
HT40		5350.52	44.22	-9.78	54	33.69	31.81	8.29	29.57	100	30	A	H
CH 46		5148.72	50.97	-23.03	74	40.65	31.69	8.18	29.55	103	65	P	V
5230MHz		5147.16	43.61	-10.39	54	33.3	31.69	8.17	29.55	103	65	A	V
	*	5230	105.42	-	-	94.99	31.74	8.25	29.56	103	65	P	V
	*	5230	98.39	-	-	87.96	31.74	8.25	29.56	103	65	A	V
		5412.12	51.41	-22.59	74	40.8	31.85	8.34	29.58	103	65	P	V
		5350.52	42.37	-11.63	54	31.84	31.81	8.29	29.57	103	65	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	46.4	-21.8	68.2	51.22	39.79	12.34	56.95	100	0	P	H
		15570	47.01	-26.99	74	50.48	38.53	14.62	56.62	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	45.9	-22.3	68.2	50.72	39.79	12.34	56.95	100	0	P	V
5190MHz		15570	45.7	-28.3	74	49.17	38.53	14.62	56.62	100	0	P	V
													V
													V
		10460	47.85	-20.35	68.2	52.49	39.91	12.37	56.92	100	0	P	H
		15690	45.75	-28.25	74	49.31	38.24	14.67	56.47	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	48.64	-19.56	68.2	53.28	39.91	12.37	56.92	100	0	P	V
5230MHz		15690	47.18	-26.82	74	50.74	38.24	14.67	56.47	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (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		5145.6	58.2	-15.8	74	47.89	31.69	8.17	29.55	309	50	P	H
		5148.98	52.45	-1.55	54	42.13	31.69	8.18	29.55	309	50	A	H
	*	5210	104.63	-	-	94.22	31.73	8.24	29.56	309	50	P	H
	*	5210	96.94	-	-	86.53	31.73	8.24	29.56	309	50	A	H
		5375.44	51.07	-22.93	74	40.53	31.82	8.3	29.58	309	50	P	H
		5376.56	42.58	-11.42	54	32.04	31.82	8.3	29.58	309	50	A	H
		5146.12	55.95	-18.05	74	45.64	31.69	8.17	29.55	100	67	P	V
		5150	49.85	-4.15	54	39.53	31.69	8.18	29.55	100	67	A	V
	*	5210	101.99	-	-	91.58	31.73	8.24	29.56	100	67	P	V
	*	5210	94.47	-	-	84.06	31.73	8.24	29.56	100	67	A	V
		5419.12	50.16	-23.84	74	39.53	31.85	8.36	29.58	100	67	P	V
		5442.64	42.47	-11.53	54	31.76	31.86	8.43	29.58	100	67	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	47.58	-20.62	68.2	52.3	39.85	12.36	56.93	100	0	P	H
		15630	45.12	-28.88	74	48.64	38.37	14.65	56.54	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	47.39	-20.81	68.2	52.11	39.85	12.36	56.93	100	0	P	V
5210MHz		15630	45.32	-28.68	74	48.84	38.37	14.65	56.54	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		5026.18	51.84	-22.16	74	41.73	31.62	8.02	29.53	304	33	P	H
		5057.8	42.36	-11.64	54	32.2	31.64	8.06	29.54	304	33	A	H
	*	5260	111.19	-	-	100.73	31.76	8.26	29.56	304	33	P	H
	*	5260	103.62	-	-	93.16	31.76	8.26	29.56	304	33	A	H
		5450.88	51.83	-22.17	74	41.1	31.87	8.45	29.59	304	33	P	H
		5351.04	42.34	-11.66	54	31.81	31.81	8.29	29.57	304	33	A	H
		5072.08	52.11	-21.89	74	41.92	31.65	8.08	29.54	101	65	P	V
		5023.46	42.46	-11.54	54	32.35	31.62	8.02	29.53	101	65	A	V
	*	5260	109.11	-	-	98.65	31.76	8.26	29.56	101	65	P	V
	*	5260	101.43	-	-	90.97	31.76	8.26	29.56	101	65	A	V
		5367.84	51.09	-22.91	74	40.54	31.82	8.3	29.57	101	65	P	V
		5450.16	41.75	-12.25	54	31.02	31.87	8.45	29.59	101	65	A	V
802.11a CH 60 5300MHz		5056.78	51.77	-22.23	74	41.61	31.64	8.06	29.54	100	32	P	H
		5147.56	42.31	-11.69	54	32	31.69	8.17	29.55	100	32	A	H
	*	5300	112.27	-	-	101.79	31.78	8.27	29.57	100	32	P	H
	*	5300	104.43	-	-	93.95	31.78	8.27	29.57	100	32	A	H
		5372.16	53.4	-20.6	74	42.85	31.82	8.3	29.57	100	32	P	H
		5352.48	45.59	-8.41	54	35.06	31.81	8.29	29.57	100	32	A	H
		5055.76	51.59	-22.41	74	41.43	31.64	8.06	29.54	101	65	P	V
		5046.58	42.28	-11.72	54	32.14	31.63	8.05	29.54	101	65	A	V
	*	5300	107.78	-	-	97.3	31.78	8.27	29.57	101	65	P	V
	*	5300	100.4	-	-	89.92	31.78	8.27	29.57	101	65	A	V
		5414.4	51.24	-22.76	74	40.62	31.85	8.35	29.58	101	65	P	V
		5352.24	42.72	-11.28	54	32.19	31.81	8.29	29.57	101	65	A	V

802.11a CH 64 5320MHz	*	5320	114.4	-	-	103.9	31.79	8.28	29.57	100	29	P	H
	*	5320	106.65	-	-	96.15	31.79	8.28	29.57	100	29	A	H
		5351.84	61.01	-12.99	74	50.48	31.81	8.29	29.57	100	29	P	H
		5350.08	52.11	-1.89	54	41.58	31.81	8.29	29.57	100	29	A	H
													H
													H
	*	5320	110.87	-	-	100.37	31.79	8.28	29.57	118	39	P	V
	*	5320	103.52	-	-	93.02	31.79	8.28	29.57	118	39	A	V
		5353.12	56.41	-17.59	74	45.88	31.81	8.29	29.57	118	39	P	V
		5350.24	48.83	-5.17	54	38.3	31.81	8.29	29.57	118	39	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	47.66	-20.54	68.2	52.13	40.02	12.39	56.88	100	0	P	H
		15780	45.01	-28.99	74	48.61	38.04	14.72	56.36	100	0	P	H
													H
													H
		10520	48.41	-19.79	68.2	52.88	40.02	12.39	56.88	100	0	P	V
		15780	45.27	-28.73	74	48.87	38.04	14.72	56.36	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.51	-26.49	74	51.82	40.1	12.41	56.82	100	0	P	H
		15900	44.9	-29.1	74	48.6	37.75	14.77	56.22	100	0	P	H
													H
													H
		10600	47.24	-26.76	74	51.55	40.1	12.41	56.82	100	0	P	V
		15900	46.29	-27.71	74	49.99	37.75	14.77	56.22	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	48.96	-25.04	74	53.2	40.14	12.41	56.79	100	0	P	H
		15960	46.8	-27.2	74	50.58	37.58	14.79	56.15	100	0	P	H
													H
													H
		10640	48	-26	74	52.24	40.14	12.41	56.79	100	0	P	V
		15960	46.91	-27.09	74	50.69	37.58	14.79	56.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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)
		5093.16	51.24	-22.76	74	41.01	31.66	8.11	29.54	100	30	P	H
		5097.58	42.26	-11.74	54	32.03	31.66	8.11	29.54	100	30	A	H
	*	5260	110.66	-	-	100.2	31.76	8.26	29.56	100	30	P	H
	*	5260	103.21	-	-	92.75	31.76	8.26	29.56	100	30	A	H
802.11n		5458.08	51.51	-22.49	74	40.76	31.87	8.47	29.59	100	30	P	H
HT20		5350.08	43.03	-10.97	54	32.5	31.81	8.29	29.57	100	30	A	H
CH 52		5052.7	50.63	-23.37	74	40.48	31.63	8.06	29.54	112	65	P	V
5260MHz		5038.42	42.23	-11.77	54	32.09	31.63	8.04	29.53	112	65	A	V
	*	5260	108.59	-	-	98.13	31.76	8.26	29.56	112	65	P	V
	*	5260	100.76	-	-	90.3	31.76	8.26	29.56	112	65	A	V
		5443.92	50.66	-23.34	74	39.95	31.86	8.43	29.58	112	65	P	V
		5456.16	41.72	-12.28	54	30.98	31.87	8.46	29.59	112	65	A	V
		5035.7	50.99	-23.01	74	40.87	31.62	8.03	29.53	100	32	P	H
		5083.3	42.29	-11.71	54	32.09	31.65	8.09	29.54	100	32	A	H
	*	5300	111.27	-	-	100.79	31.78	8.27	29.57	100	32	P	H
	*	5300	103.58	-	-	93.1	31.78	8.27	29.57	100	32	A	H
802.11n		5353.44	55.13	-18.87	74	44.6	31.81	8.29	29.57	100	32	P	H
HT20		5350.56	45.46	-8.54	54	34.93	31.81	8.29	29.57	100	32	A	H
CH 60		5025.5	51.27	-22.73	74	41.16	31.62	8.02	29.53	100	65	P	V
5300MHz		5065.62	42.28	-11.72	54	32.11	31.64	8.07	29.54	100	65	A	V
	*	5300	107.6	-	-	97.12	31.78	8.27	29.57	100	65	P	V
	*	5300	99.91	-	-	89.43	31.78	8.27	29.57	100	65	A	V
		5360.16	50.55	-23.45	74	40.01	31.81	8.3	29.57	100	65	P	V
		5350.08	42.61	-11.39	54	32.08	31.81	8.29	29.57	100	65	A	V

	*	5320	111.49	-	-	100.99	31.79	8.28	29.57	100	31	P	H
	*	5320	103.8	-	-	93.3	31.79	8.28	29.57	100	31	A	H
		5359.04	59.84	-14.16	74	49.3	31.81	8.3	29.57	100	31	P	H
		5351.04	46.42	-7.58	54	35.89	31.81	8.29	29.57	100	31	A	H
802.11n													H
HT20													H
CH 64	*	5320	106.79	-	-	96.29	31.79	8.28	29.57	118	64	P	V
5320MHz	*	5320	99.16	-	-	88.66	31.79	8.28	29.57	118	64	A	V
		5353.28	56.33	-17.67	74	45.8	31.81	8.29	29.57	118	64	P	V
		5352.32	43.32	-10.68	54	32.79	31.81	8.29	29.57	118	64	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	48.31	-19.89	68.2	52.78	40.02	12.39	56.88	100	0	P	H
		15780	46.07	-27.93	74	49.67	38.04	14.72	56.36	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	47.56	-20.64	68.2	52.03	40.02	12.39	56.88	100	0	P	V
5260MHz		15780	45.97	-28.03	74	49.57	38.04	14.72	56.36	100	0	P	V
													V
													V
		10600	47.43	-26.57	74	51.74	40.1	12.41	56.82	100	0	P	H
		15900	46.75	-27.25	74	50.45	37.75	14.77	56.22	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	47.34	-26.66	74	51.65	40.1	12.41	56.82	100	0	P	V
5300MHz		15900	46.31	-27.69	74	50.01	37.75	14.77	56.22	100	0	P	V
													V
													V
		10640	48.19	-25.81	74	52.43	40.14	12.41	56.79	100	0	P	H
		15960	46.38	-27.62	74	50.16	37.58	14.79	56.15	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	47.1	-26.9	74	51.34	40.14	12.41	56.79	100	0	P	V
5320MHz		15960	47.81	-26.19	74	51.59	37.58	14.79	56.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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		5092.82	51.66	-22.34	74	41.43	31.66	8.11	29.54	100	31	P	H
		5094.18	43.3	-10.7	54	33.07	31.66	8.11	29.54	100	31	A	H
	*	5270	107.98	-	-	97.52	31.76	8.26	29.56	100	31	P	H
	*	5270	100.93	-	-	90.47	31.76	8.26	29.56	100	31	A	H
		5376.24	55.46	-18.54	74	44.92	31.82	8.3	29.58	100	31	P	H
		5351.28	46	-8	54	35.47	31.81	8.29	29.57	100	31	A	H
		5048.96	51.81	-22.19	74	41.67	31.63	8.05	29.54	113	65	P	V
		5148.92	43.12	-10.88	54	32.8	31.69	8.18	29.55	113	65	A	V
	*	5270	106.07	-	-	95.61	31.76	8.26	29.56	113	65	P	V
	*	5270	98.24	-	-	87.78	31.76	8.26	29.56	113	65	A	V
		5352.48	50.81	-23.19	74	40.28	31.81	8.29	29.57	113	65	P	V
		5354.4	43.45	-10.55	54	32.92	31.81	8.29	29.57	113	65	A	V
802.11n HT40 CH 62 5310MHz		5069.02	51.59	-22.41	74	41.41	31.64	8.08	29.54	100	32	P	H
		5102.68	43.13	-10.87	54	32.89	31.66	8.12	29.54	100	32	A	H
	*	5310	105.9	-	-	95.4	31.79	8.28	29.57	100	32	P	H
	*	5310	99.01	-	-	88.51	31.79	8.28	29.57	100	32	A	H
		5351.28	58.1	-15.9	74	47.57	31.81	8.29	29.57	100	32	P	H
		5350.32	51.85	-2.15	54	41.32	31.81	8.29	29.57	100	32	A	H
		5061.88	51.46	-22.54	74	41.29	31.64	8.07	29.54	100	65	P	V
		5134.98	43.12	-10.88	54	32.83	31.68	8.16	29.55	100	65	A	V
	*	5310	101.9	-	-	91.4	31.79	8.28	29.57	100	65	P	V
	*	5310	94.18	-	-	83.68	31.79	8.28	29.57	100	65	A	V
		5352.24	53.4	-20.6	74	42.87	31.81	8.29	29.57	100	65	P	V
		5350.08	46.54	-7.46	54	36.01	31.81	8.29	29.57	100	65	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	48.56	-19.64	68.2	53.01	40.03	12.39	56.87	100	0	P	H
		15810	45.53	-28.47	74	49.17	37.96	14.73	56.33	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	48.55	-19.65	68.2	53	40.03	12.39	56.87	100	0	P	V
5270MHz		15810	46.44	-27.56	74	50.08	37.96	14.73	56.33	100	0	P	V
													V
													V
		10620	46.74	-27.26	74	51.01	40.12	12.41	56.8	100	0	P	H
		15930	45.16	-28.84	74	48.89	37.67	14.78	56.18	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	45.69	-28.31	74	49.96	40.12	12.41	56.8	100	0	P	V
5310MHz		15930	44.21	-29.79	74	47.94	37.67	14.78	56.18	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (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		5106.08	51.29	-22.71	74	41.04	31.67	8.12	29.54	100	32	P	H
		5098.94	43.02	-10.98	54	32.79	31.66	8.11	29.54	100	32	A	H
	*	5290	102.48	-	-	92	31.77	8.27	29.56	100	32	P	H
	*	5290	94.8	-	-	84.32	31.77	8.27	29.56	100	32	A	H
		5364	58.98	-15.02	74	48.43	31.82	8.3	29.57	100	32	P	H
		5354.16	52.28	-1.72	54	41.75	31.81	8.29	29.57	100	32	A	H
		5072.76	51.28	-22.72	74	41.09	31.65	8.08	29.54	106	65	P	V
		5042.16	43.14	-10.86	54	33.01	31.63	8.04	29.54	106	65	A	V
	*	5290	98.12	-	-	87.64	31.77	8.27	29.56	106	65	P	V
	*	5290	90.58	-	-	80.1	31.77	8.27	29.56	106	65	A	V
		5352.72	56.29	-17.71	74	45.76	31.81	8.29	29.57	106	65	P	V
		5352.96	47.08	-6.92	54	36.55	31.81	8.29	29.57	106	65	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	46.23	-21.97	68.2	50.58	40.09	12.4	56.84	100	0	P	H
		15870	44.8	-29.2	74	48.52	37.79	14.75	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.48	-21.72	68.2	50.83	40.09	12.4	56.84	100	0	P	V
5290MHz		15870	44.89	-29.11	74	48.61	37.79	14.75	56.26	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (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		5457.04	59.26	-14.74	74	48.52	31.87	8.46	29.59	101	17	P	H
		5469.84	62.98	-5.22	68.2	52.19	31.88	8.5	29.59	101	17	P	H
		5459.92	47.67	-6.33	54	36.92	31.87	8.47	29.59	101	17	A	H
	*	5500	115.43	-	-	104.54	31.9	8.58	29.59	101	17	P	H
	*	5500	107.5	-	-	96.61	31.9	8.58	29.59	101	17	A	H
													H
		5459.44	56.57	-17.43	74	45.82	31.87	8.47	29.59	100	305	P	V
		5469.84	59.57	-8.63	68.2	48.78	31.88	8.5	29.59	100	305	P	V
		5459.76	44.94	-9.06	54	34.19	31.87	8.47	29.59	100	305	A	V
	*	5500	112.18	-	-	101.29	31.9	8.58	29.59	100	305	P	V
	*	5500	104.36	-	-	93.47	31.9	8.58	29.59	100	305	A	V
													V
802.11a CH 116 5580MHz		5444.56	51.73	-22.27	74	41.02	31.86	8.43	29.58	106	32	P	H
		5460.4	51.54	-16.66	68.2	40.79	31.87	8.47	29.59	106	32	P	H
		5457.52	42.2	-11.8	54	31.45	31.87	8.47	29.59	106	32	A	H
	*	5580	112.36	-	-	101.19	32	8.8	29.63	106	32	P	H
	*	5580	104.35	-	-	93.18	32	8.8	29.63	106	32	A	H
		5736.335	50.77	-17.43	68.2	39.4	32.24	8.82	29.69	106	32	P	H
		5406.64	50.23	-23.77	74	39.64	31.84	8.33	29.58	249	68	P	V
		5460	50.19	-18.01	68.2	39.44	31.87	8.47	29.59	249	68	P	V
		5459.68	42.1	-11.9	54	31.35	31.87	8.47	29.59	249	68	A	V
	*	5580	108.96	-	-	97.79	32	8.8	29.63	249	68	P	V
	*	5580	100.5	-	-	89.33	32	8.8	29.63	249	68	A	V
		5731.925	52.07	-16.13	68.2	40.73	32.21	8.82	29.69	249	68	P	V

802.11a CH 140 5700MHz	*	5700	114.82	-	-	103.49	32.17	8.83	29.67	100	19	P	H
	*	5700	107.34	-	-	96.01	32.17	8.83	29.67	100	19	A	H
		5725.72	63.61	-4.59	68.2	52.26	32.21	8.82	29.68	100	19	P	H
													H
													H
													H
	*	5700	112.72	-	-	101.39	32.17	8.83	29.67	100	299	P	V
	*	5700	104.89	-	-	93.56	32.17	8.83	29.67	100	299	A	V
		5731.64	60.65	-7.55	68.2	49.31	32.21	8.82	29.69	100	299	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.69	-26.31	74	51.18	40.5	12.51	56.5	100	0	P	H
		16500	47.64	-20.56	68.2	49.02	39.4	14.92	55.7	100	0	P	H
													H
													H
		11000	47.58	-26.42	74	51.07	40.5	12.51	56.5	100	0	P	V
		16500	48.24	-19.96	68.2	49.62	39.4	14.92	55.7	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	53.57	-20.43	74	57.12	40.3	12.59	56.44	206	337	P	H
		11160	44.14	-9.86	54	47.69	40.3	12.59	56.44	206	337	A	H
		16740	49.12	-19.08	68.2	50.36	39.69	14.96	55.89	100	0	P	H
													H
		11160	49.95	-24.05	74	53.5	40.3	12.59	56.44	100	0	P	V
		16740	47.55	-20.65	68.2	48.79	39.69	14.96	55.89	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	48.41	-25.59	74	52.02	40.02	12.71	56.34	100	0	P	H
		17100	48.36	-19.84	68.2	49.24	40.36	15.06	56.3	100	0	P	H
													H
													H
		11400	48.4	-25.6	74	52.01	40.02	12.71	56.34	100	0	P	V
		17100	47.92	-20.28	68.2	48.8	40.36	15.06	56.3	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n 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)
		5454.32	57.34	-16.66	74	46.6	31.87	8.46	29.59	100	31	P	H
		5462.32	58.79	-9.41	68.2	48.03	31.87	8.48	29.59	100	31	P	H
		5457.84	45.1	-8.9	54	34.35	31.87	8.47	29.59	100	31	A	H
	*	5500	110.07	-	-	99.18	31.9	8.58	29.59	100	31	P	H
802.11n	*	5500	102.35	-	-	91.46	31.9	8.58	29.59	100	31	A	H
HT20													H
CH 100		5457.84	54.05	-19.95	74	43.3	31.87	8.47	29.59	286	83	P	V
5500MHz		5460.72	54.07	-14.13	68.2	43.32	31.87	8.47	29.59	286	83	P	V
		5458.16	42.99	-11.01	54	32.24	31.87	8.47	29.59	286	83	A	V
	*	5500	107.04	-	-	96.15	31.9	8.58	29.59	286	83	P	V
	*	5500	99.6	-	-	88.71	31.9	8.58	29.59	286	83	A	V
													V
		5397.28	50.97	-23.03	74	40.4	31.84	8.31	29.58	107	32	P	H
		5464.72	50.48	-17.72	68.2	39.71	31.88	8.48	29.59	107	32	P	H
		5450.56	42.14	-11.86	54	31.41	31.87	8.45	29.59	107	32	A	H
	*	5580	111.08	-	-	99.91	32	8.8	29.63	107	32	P	H
802.11n	*	5580	103.27	-	-	92.1	32	8.8	29.63	107	32	A	H
HT20		5753.03	52.87	-15.33	68.2	41.49	32.26	8.81	29.69	107	32	P	H
CH 116		5458.96	49.76	-24.24	74	39.01	31.87	8.47	29.59	295	82	P	V
5580MHz		5469.76	51.2	-17	68.2	40.41	31.88	8.5	29.59	295	82	P	V
		5456.32	41.66	-12.34	54	30.92	31.87	8.46	29.59	295	82	A	V
	*	5580	107.36	-	-	96.19	32	8.8	29.63	295	82	P	V
	*	5580	99.8	-	-	88.63	32	8.8	29.63	295	82	A	V
		5748.62	51.55	-16.65	68.2	40.19	32.24	8.81	29.69	295	82	P	V

	*	5700	111.12	-	-	99.79	32.17	8.83	29.67	106	31	P	H
	*	5700	103.35	-	-	92.02	32.17	8.83	29.67	106	31	A	H
		5738.2	56.95	-11.25	68.2	45.58	32.24	8.82	29.69	106	31	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	106.75	-	-	95.42	32.17	8.83	29.67	300	77	P	V
5700MHz	*	5700	98.9	-	-	87.57	32.17	8.83	29.67	300	77	A	V
		5726.44	56.84	-11.36	68.2	45.49	32.21	8.82	29.68	300	77	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	47.71	-26.29	74	51.2	40.5	12.51	56.5	100	0	P	H
		16500	46.83	-21.37	68.2	48.21	39.4	14.92	55.7	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	47.31	-26.69	74	50.8	40.5	12.51	56.5	100	0	P	V
5500MHz		16500	46.9	-21.3	68.2	48.28	39.4	14.92	55.7	100	0	P	V
													V
													V
		11160	48.35	-25.65	74	51.9	40.3	12.59	56.44	100	0	P	H
		16740	47.9	-20.3	68.2	49.14	39.69	14.96	55.89	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	47.52	-26.48	74	51.07	40.3	12.59	56.44	100	0	P	V
5580MHz		16740	46.58	-21.62	68.2	47.82	39.69	14.96	55.89	100	0	P	V
													V
													V
		11400	49.56	-24.44	74	53.17	40.02	12.71	56.34	100	0	P	H
		17100	48.5	-19.7	68.2	49.38	40.36	15.06	56.3	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	47.58	-26.42	74	51.19	40.02	12.71	56.34	100	0	P	V
5700MHz		17100	48.74	-19.46	68.2	49.62	40.36	15.06	56.3	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n 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)
		5458.48	56.77	-17.23	74	46.02	31.87	8.47	29.59	104	31	P	H
		5468.8	59.64	-8.56	68.2	48.85	31.88	8.5	29.59	104	31	P	H
		5459.92	47.27	-6.73	54	36.52	31.87	8.47	29.59	104	31	A	H
	*	5510	108.25	-	-	97.34	31.9	8.61	29.6	104	31	P	H
802.11n	*	5510	100.51	-	-	89.6	31.9	8.61	29.6	104	31	A	H
HT40		5735.705	52.53	-15.67	68.2	41.16	32.24	8.82	29.69	104	31	P	H
CH 102		5448.64	51.69	-22.31	74	40.96	31.87	8.44	29.58	301	82	P	V
5510MHz		5468.32	53.31	-14.89	68.2	42.53	31.88	8.49	29.59	301	82	P	V
		5459.68	44.07	-9.93	54	33.32	31.87	8.47	29.59	301	82	A	V
	*	5510	104.5	-	-	93.59	31.9	8.61	29.6	301	82	P	V
	*	5510	96.29	-	-	85.38	31.9	8.61	29.6	301	82	A	V
		5753.03	51.15	-17.05	68.2	39.77	32.26	8.81	29.69	301	82	P	V
		5459.44	51.36	-22.64	74	40.61	31.87	8.47	29.59	101	31	P	H
		5462.8	51.76	-16.44	68.2	40.99	31.88	8.48	29.59	101	31	P	H
		5459.68	43.95	-10.05	54	33.2	31.87	8.47	29.59	101	31	A	H
	*	5550	108.38	-	-	97.3	31.97	8.72	29.61	101	31	P	H
802.11n	*	5550	100.38	-	-	89.3	31.97	8.72	29.61	101	31	A	H
HT40		5732.24	51.59	-16.61	68.2	40.25	32.21	8.82	29.69	101	31	P	H
CH 110		5449.12	50.59	-23.41	74	39.86	31.87	8.44	29.58	299	80	P	V
5550MHz		5461.6	50.54	-17.66	68.2	39.78	31.87	8.48	29.59	299	80	P	V
		5456.8	42.72	-11.28	54	31.98	31.87	8.46	29.59	299	80	A	V
	*	5550	105.57	-	-	94.49	31.97	8.72	29.61	299	80	P	V
	*	5550	97.29	-	-	86.21	31.97	8.72	29.61	299	80	A	V
		5730.665	51.56	-16.64	68.2	40.22	32.21	8.82	29.69	299	80	P	V

		5441.7	50.35	-23.65	74	39.65	31.86	8.42	29.58	103	30	P	H
		5465.15	49.62	-18.58	68.2	38.84	31.88	8.49	29.59	103	30	P	H
		5434.35	42.32	-11.68	54	31.64	31.86	8.4	29.58	103	30	A	H
	*	5670	108.53	-	-	97.22	32.14	8.83	29.66	103	30	P	H
802.11n	*	5670	100.58	-	-	89.27	32.14	8.83	29.66	103	30	A	H
HT40		5745.47	55.59	-12.61	68.2	44.23	32.24	8.81	29.69	103	30	P	H
CH 134		5458.85	50.65	-23.35	74	39.9	31.87	8.47	29.59	273	80	P	V
5670MHz		5466.9	49.69	-18.51	68.2	38.91	31.88	8.49	29.59	273	80	P	V
		5452.55	42.37	-11.63	54	31.64	31.87	8.45	29.59	273	80	A	V
	*	5670	104.07	-	-	92.76	32.14	8.83	29.66	273	80	P	V
	*	5670	96.36	-	-	85.05	32.14	8.83	29.66	273	80	A	V
		5750.195	52.34	-15.86	68.2	40.98	32.24	8.81	29.69	273	80	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	46.91	-27.09	74	50.4	40.48	12.52	56.49	100	0	P	H
		16530	47.6	-20.6	68.2	48.96	39.44	14.92	55.72	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	48.02	-25.98	74	51.51	40.48	12.52	56.49	100	0	P	V
5510MHz		16530	47.69	-20.51	68.2	49.05	39.44	14.92	55.72	100	0	P	V
													V
													V
		11100	48.29	-25.71	74	51.81	40.38	12.56	56.46	100	0	P	H
		16650	46.87	-21.33	68.2	48.15	39.59	14.95	55.82	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	47.38	-26.62	74	50.9	40.38	12.56	56.46	100	0	P	V
5550MHz		16650	46.78	-21.42	68.2	48.06	39.59	14.95	55.82	100	0	P	V
													V
													V
		11340	47.4	-26.6	74	50.98	40.1	12.68	56.36	100	0	P	H
		17010	48.56	-19.64	68.2	49.61	40.06	15.01	56.12	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	48.82	-25.18	74	52.4	40.1	12.68	56.36	100	0	P	V
5670MHz		17010	47.76	-20.44	68.2	48.81	40.06	15.01	56.12	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)
		5458.24	60.36	-13.64	74	49.61	31.87	8.47	29.59	103	31	P	H
		5467.84	62.05	-6.15	68.2	51.27	31.88	8.49	29.59	103	31	P	H
		5458.96	50.78	-3.22	54	40.03	31.87	8.47	29.59	103	31	A	H
	*	5530	105.73	-	-	94.76	31.92	8.66	29.61	103	31	P	H
802.11ac	*	5530	97.83	-	-	86.86	31.92	8.66	29.61	103	31	A	H
VHT80		5764.37	51.64	-16.56	68.2	40.28	32.26	8.81	29.71	103	31	P	H
CH 106		5456.8	53.48	-20.52	74	42.74	31.87	8.46	29.59	318	80	P	V
5530MHz		5460.16	55.36	-12.84	68.2	44.61	31.87	8.47	29.59	318	80	P	V
		5459.2	46.06	-7.94	54	35.31	31.87	8.47	29.59	318	80	A	V
	*	5530	102.37	-	-	91.4	31.92	8.66	29.61	318	80	P	V
	*	5530	94.02	-	-	83.05	31.92	8.66	29.61	318	80	A	V
		5740.115	51.49	-16.71	68.2	40.13	32.24	8.81	29.69	318	80	P	V
		5452.9	51.77	-22.23	74	41.04	31.87	8.45	29.59	100	29	P	H
		5467.25	50.89	-17.31	68.2	40.11	31.88	8.49	29.59	100	29	P	H
		5459.55	42.98	-11.02	54	32.23	31.87	8.47	29.59	100	29	A	H
	*	5610	106.61	-	-	95.36	32.04	8.85	29.64	100	29	P	H
802.11ac	*	5610	98.17	-	-	86.92	32.04	8.85	29.64	100	29	A	H
VHT80		5756.81	52.27	-15.93	68.2	40.91	32.26	8.81	29.71	100	29	P	H
CH 122		5448	51.66	-22.34	74	40.93	31.87	8.44	29.58	307	80	P	V
5610MHz		5468.65	49.52	-18.68	68.2	38.73	31.88	8.5	29.59	307	80	P	V
		5454.65	42.54	-11.46	54	31.8	31.87	8.46	29.59	307	80	A	V
	*	5610	102.39	-	-	91.14	32.04	8.85	29.64	307	80	P	V
	*	5610	94.11	-	-	82.86	32.04	8.85	29.64	307	80	A	V
		5728.46	50.89	-17.31	68.2	39.54	32.21	8.82	29.68	307	80	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)
		11160	48.59	-25.41	74	52.14	40.3	12.59	56.44	100	0	P	H
		16590	46.48	-21.72	68.2	47.82	39.5	14.93	55.77	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11160	47.81	-26.19	74	51.36	40.3	12.59	56.44	100	0	P	V
5530MHz		16590	47.4	-20.8	68.2	48.74	39.5	14.93	55.77	100	0	P	V
													V
													V
		11220	46.64	-27.36	74	50.19	40.24	12.62	56.41	100	0	P	H
		16830	47.8	-20.4	68.2	48.99	39.79	14.98	55.96	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.29	-26.71	74	50.84	40.24	12.62	56.41	100	0	P	V
5610MHz		16830	48.21	-19.99	68.2	49.4	39.79	14.98	55.96	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11a (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		5388.61	50.72	-23.28	74	40.16	31.83	8.31	29.58	101	30	P	H
		5468.17	49.74	-18.46	68.2	38.96	31.88	8.49	29.59	101	30	P	H
		5459.59	41.7	-12.3	54	30.95	31.87	8.47	29.59	101	30	A	H
	*	5720	111.52	-	-	100.17	32.21	8.82	29.68	101	30	P	H
	*	5720	103.85	-	-	92.5	32.21	8.82	29.68	101	30	A	H
		5860	52.07	-16.13	68.2	40.56	32.41	8.85	29.75	101	30	P	H
		5437.36	50.36	-23.64	74	39.67	31.86	8.41	29.58	252	68	P	V
		5462.71	51.22	-16.98	68.2	40.45	31.88	8.48	29.59	252	68	P	V
		5459.2	41.72	-12.28	54	30.97	31.87	8.47	29.59	252	68	A	V
	*	5720	108.61	-	-	97.26	32.21	8.82	29.68	252	68	P	V
	*	5720	100.65	-	-	89.3	32.21	8.82	29.68	252	68	A	V
		5905.5	51.62	-16.58	68.2	40.01	32.48	8.89	29.76	252	68	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	49.08	-24.92	74	52.7	39.98	12.72	56.32	100	0	P	H
		17160	48.6	-19.6	68.2	49.35	40.6	15.07	56.42	100	0	P	H
													H
													H
		11440	48.39	-25.61	74	52.01	39.98	12.72	56.32	100	0	P	V
		17160	48.38	-19.82	68.2	49.13	40.6	15.07	56.42	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI 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		5403.04	50.76	-23.24	74	40.18	31.84	8.32	29.58	100	28	P	H
		5470	49.59	-18.61	68.2	38.8	31.88	8.5	29.59	100	28	P	H
		5457.64	41.92	-12.08	54	31.17	31.87	8.47	29.59	100	28	A	H
	*	5720	111.26	-	-	99.91	32.21	8.82	29.68	100	28	P	H
	*	5720	103.75	-	-	92.4	32.21	8.82	29.68	100	28	A	H
		5930	51.41	-16.79	68.2	39.76	32.5	8.92	29.77	100	28	P	H
		5443.99	50.58	-23.42	74	39.87	31.86	8.43	29.58	298	80	P	V
		5468.56	49.55	-18.65	68.2	38.76	31.88	8.5	29.59	298	80	P	V
		5459.98	41.69	-12.31	54	30.94	31.87	8.47	29.59	298	80	A	V
	*	5720	107.74	-	-	96.39	32.21	8.82	29.68	298	80	P	V
	*	5720	99.68	-	-	88.33	32.21	8.82	29.68	298	80	A	V
		5861.5	52.02	-16.18	68.2	40.5	32.41	8.86	29.75	298	80	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	48.93	-25.07	74	52.55	39.98	12.72	56.32	100	0	P	H
		17160	49.13	-19.07	68.2	49.88	40.6	15.07	56.42	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	47.55	-26.45	74	51.17	39.98	12.72	56.32	100	0	P	V
5720MHz		17160	48.57	-19.63	68.2	49.32	40.6	15.07	56.42	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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (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		5397.19	50.98	-23.02	74	40.41	31.84	8.31	29.58	103	29	P	H
		5461.54	51.49	-16.71	68.2	40.73	31.87	8.48	29.59	103	29	P	H
		5458.42	42.2	-11.8	54	31.45	31.87	8.47	29.59	103	29	A	H
	*	5710	109.64	-	-	98.31	32.19	8.82	29.68	103	29	P	H
	*	5710	101.64	-	-	90.31	32.19	8.82	29.68	103	29	A	H
		5922.25	52.8	-15.4	68.2	41.16	32.5	8.91	29.77	103	29	P	H
		5406.94	49.61	-24.39	74	39.02	31.84	8.33	29.58	299	79	P	V
		5469.34	49.52	-18.68	68.2	38.73	31.88	8.5	29.59	299	79	P	V
		5442.82	42.23	-11.77	54	31.52	31.86	8.43	29.58	299	79	A	V
	*	5710	104.55	-	-	93.22	32.19	8.82	29.68	299	79	P	V
	*	5710	97.07	-	-	85.74	32.19	8.82	29.68	299	79	A	V
		5895.75	51.41	-16.79	68.2	39.82	32.46	8.89	29.76	299	79	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	48.63	-25.37	74	52.25	40	12.71	56.33	100	0	P	H
		17130	49.16	-19.04	68.2	49.97	40.48	15.07	56.36	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	47.89	-26.11	74	51.51	40	12.71	56.33	100	0	P	V
5710MHz		17130	49.41	-18.79	68.2	50.22	40.48	15.07	56.36	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		5372.23	50.71	-23.29	74	40.16	31.82	8.3	29.57	100	30	P	H
		5470	50.52	-17.68	68.2	39.68	31.88	8.5	29.54	100	30	P	H
		5459.59	42.59	-11.41	54	31.84	31.87	8.47	29.59	100	30	A	H
	*	5690	105.24	-	-	93.91	32.17	8.83	29.67	100	30	P	H
	*	5690	97.7	-	-	86.37	32.17	8.83	29.67	100	30	A	H
		5865.4	52.1	-16.1	68.2	40.58	32.41	8.86	29.75	100	30	P	H
		5416.3	49.77	-24.23	74	39.15	31.85	8.35	29.58	301	74	P	V
		5465.44	50.75	-17.45	68.2	39.97	31.88	8.49	29.59	301	74	P	V
		5458.81	42.19	-11.81	54	31.44	31.87	8.47	29.59	301	74	A	V
	*	5690	101.25	-	-	89.92	32.17	8.83	29.67	301	74	P	V
	*	5690	93.21	-	-	81.88	32.17	8.83	29.67	301	74	A	V
		5906.8	51.45	-16.75	68.2	39.83	32.48	8.9	29.76	301	74	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	47.7	-26.3	74	51.31	40.04	12.7	56.35	100	0	P	H
		17070	48.62	-19.58	68.2	49.58	40.24	15.04	56.24	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	46.93	-27.07	74	50.54	40.04	12.7	56.35	100	0	P	V
5690MHz		17070	49.65	-18.55	68.2	50.61	40.24	15.04	56.24	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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		113.7	26.4	-17.1	43.5	40.27	16.95	1.29	32.2	-	-	P	H
		132.06	28.72	-14.78	43.5	42.12	17.37	1.37	32.19	-	-	P	H
		291.9	34.79	-11.21	46	45.91	18.96	2.01	32.15	100	0	P	H
		302.1	32.28	-13.72	46	43.16	19.16	2.05	32.15	-	-	P	H
		862.1	32.63	-13.37	46	31.44	29.26	3.4	31.59	-	-	P	H
		951.7	33.58	-12.42	46	30.25	30.59	3.57	30.97	-	-	P	H
													H
													H
													H
													H
													H
													H
		47.01	30.61	-9.39	40	46.24	15.74	0.89	32.29	-	-	P	V
		60.78	31.26	-8.74	40	50.78	11.78	0.99	32.27	100	0	P	V
		112.62	28.56	-14.94	43.5	42.46	16.93	1.28	32.2	-	-	P	V
		302.1	27.4	-18.6	46	38.28	19.16	2.05	32.15	-	-	P	V
		778.8	30.5	-15.5	46	30.96	28.14	3.22	31.93	-	-	P	V
		885.9	35.1	-10.9	46	33.97	29.07	3.43	31.48	-	-	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		5147.68	61.77	-12.23	74	51.46	31.69	8.17	29.55	119	12	P	H
		5150	49.96	-4.04	54	39.64	31.69	8.18	29.55	119	12	A	H
	*	5180	116.64	-	-	106.26	31.71	8.22	29.55	119	12	P	H
	*	5180	108.73	-	-	98.35	31.71	8.22	29.55	119	12	A	H
													H
													H
		5143.52	60.39	-13.61	74	50.08	31.69	8.17	29.55	323	63	P	V
		5150	47.64	-6.36	54	37.32	31.69	8.18	29.55	323	63	A	V
	*	5180	113.96	-	-	103.58	31.71	8.22	29.55	323	63	P	V
	*	5180	106.61	-	-	96.23	31.71	8.22	29.55	323	63	A	V
													V
													V
802.11a CH 44 5220MHz		5044.46	53.34	-20.66	74	43.2	31.63	8.05	29.54	110	18	P	H
		5036.14	42.03	-11.97	54	31.9	31.62	8.04	29.53	110	18	A	H
	*	5220	112.54	-	-	102.12	31.73	8.25	29.56	110	18	P	H
	*	5220	105.05	-	-	94.63	31.73	8.25	29.56	110	18	A	H
		5438.44	50.72	-23.28	74	40.03	31.86	8.41	29.58	110	18	P	H
		5453	42.61	-11.39	54	31.88	31.87	8.45	29.59	110	18	A	H
		5010.92	51.61	-22.39	74	41.53	31.61	8	29.53	101	74	P	V
		5146.64	42.23	-11.77	54	31.92	31.69	8.17	29.55	101	74	A	V
	*	5220	110.2	-	-	99.78	31.73	8.25	29.56	101	74	P	V
	*	5220	102.95	-	-	92.53	31.73	8.25	29.56	101	74	A	V
		5396.72	50.09	-23.91	74	39.52	31.84	8.31	29.58	101	74	P	V
		5458.32	41.54	-12.46	54	30.79	31.87	8.47	29.59	101	74	A	V

802.11a CH 48 5240MHz		5027.04	51.24	-22.76	74	41.13	31.62	8.02	29.53	104	19	P	H
		5053.82	41.99	-12.01	54	31.84	31.63	8.06	29.54	104	19	A	H
	*	5240	113.69	-	-	103.26	31.74	8.25	29.56	104	19	P	H
	*	5240	106.18	-	-	95.75	31.74	8.25	29.56	104	19	A	H
		5445.16	51.27	-22.73	74	40.56	31.86	8.43	29.58	104	19	P	H
		5357.24	42.7	-11.3	54	32.16	31.81	8.3	29.57	104	19	A	H
		5069.42	52.31	-21.69	74	42.13	31.64	8.08	29.54	283	63	P	V
		5050.7	41.94	-12.06	54	31.8	31.63	8.05	29.54	283	63	A	V
	*	5240	111.55	-	-	101.12	31.74	8.25	29.56	283	63	P	V
	*	5240	104.27	-	-	93.84	31.74	8.25	29.56	283	63	A	V
		5418	52.47	-21.53	74	41.84	31.85	8.36	29.58	283	63	P	V
		5452.72	41.81	-12.19	54	31.08	31.87	8.45	29.59	283	63	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (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	49.1	-19.1	68.2	53.96	39.76	12.34	56.96	100	0	P	H
		15540	47.96	-26.04	74	51.37	38.62	14.62	56.65	100	0	P	H
													H
													H
		10360	51.08	-17.12	68.2	55.94	39.76	12.34	56.96	100	0	P	V
		15540	47.23	-26.77	74	50.64	38.62	14.62	56.65	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	49.32	-18.88	68.2	54	39.88	12.36	56.92	100	0	P	H
		15900	44.47	-29.53	74	48.17	37.75	14.77	56.22	100	0	P	H
													H
													H
		10440	50.92	-17.28	68.2	55.6	39.88	12.36	56.92	100	0	P	V
		15900	43.74	-30.26	74	47.44	37.75	14.77	56.22	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	57.38	-10.82	68.2	61.95	39.97	12.37	56.91	100	0	P	H
		15720	47.58	-26.42	74	51.17	38.16	14.69	56.44	100	0	P	H
													H
													H
		10480	58.79	-9.41	68.2	63.36	39.97	12.37	56.91	100	0	P	V
		15720	48.39	-25.61	74	51.98	38.16	14.69	56.44	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5125.32	58.04	-15.96	74	47.76	31.68	8.15	29.55	273	29	P	H
		5144.3	48.56	-5.44	54	38.25	31.69	8.17	29.55	273	29	A	H
	*	5180	117.11	-	-	106.73	31.71	8.22	29.55	273	29	P	H
	*	5180	109.21	-	-	98.83	31.71	8.22	29.55	273	29	A	H
802.11n													H
HT20													H
CH 36		5141.96	57.22	-16.78	74	46.91	31.69	8.17	29.55	100	71	P	V
5180MHz		5150	46.14	-7.86	54	35.82	31.69	8.18	29.55	100	71	A	V
	*	5180	113.51	-	-	103.13	31.71	8.22	29.55	100	71	P	V
	*	5180	105.96	-	-	95.58	31.71	8.22	29.55	100	71	A	V
													V
													V
		5090.22	51.49	-22.51	74	41.27	31.66	8.1	29.54	108	20	P	H
		5147.68	42.7	-11.3	54	32.39	31.69	8.17	29.55	108	20	A	H
	*	5220	114.51	-	-	104.09	31.73	8.25	29.56	108	20	P	H
	*	5220	106.63	-	-	96.21	31.73	8.25	29.56	108	20	A	H
802.11n		5442.92	51.79	-22.21	74	41.08	31.86	8.43	29.58	108	20	P	H
HT20		5453	42.62	-11.38	54	31.89	31.87	8.45	29.59	108	20	A	H
CH 44		5060.84	51.87	-22.13	74	41.7	31.64	8.07	29.54	301	64	P	V
5220MHz		5076.18	42.03	-11.97	54	31.83	31.65	8.09	29.54	301	64	A	V
	*	5220	111.57	-	-	101.15	31.73	8.25	29.56	301	64	P	V
	*	5220	103.88	-	-	93.46	31.73	8.25	29.56	301	64	A	V
		5435.92	50.37	-23.63	74	39.68	31.86	8.41	29.58	301	64	P	V
		5453	41.62	-12.38	54	30.89	31.87	8.45	29.59	301	64	A	V

		5069.42	50.82	-23.18	74	40.64	31.64	8.08	29.54	100	18	P	H
		5090.22	42.09	-11.91	54	31.87	31.66	8.1	29.54	100	18	A	H
	*	5240	114.41	-	-	103.98	31.74	8.25	29.56	100	18	P	H
	*	5240	106.72	-	-	96.29	31.74	8.25	29.56	100	18	A	H
802.11n		5356.4	52.2	-21.8	74	41.67	31.81	8.29	29.57	100	18	P	H
HT20		5453	42.56	-11.44	54	31.83	31.87	8.45	29.59	100	18	A	H
CH 48		5044.72	51.88	-22.12	74	41.74	31.63	8.05	29.54	300	67	P	V
5240MHz		5046.28	41.89	-12.11	54	31.75	31.63	8.05	29.54	300	67	A	V
	*	5240	112.21	-	-	101.78	31.74	8.25	29.56	300	67	P	V
	*	5240	104.18	-	-	93.75	31.74	8.25	29.56	300	67	A	V
		5451.88	51.56	-22.44	74	40.83	31.87	8.45	29.59	300	67	P	V
		5452.44	41.61	-12.39	54	30.88	31.87	8.45	29.59	300	67	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	50.93	-17.27	68.2	55.79	39.76	12.34	56.96	100	0	P	H
		15540	48.11	-25.89	74	51.52	38.62	14.62	56.65	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	55.08	-13.12	68.2	59.94	39.76	12.34	56.96	100	0	P	V
5180MHz		15540	46.04	-27.96	74	49.45	38.62	14.62	56.65	100	0	P	V
													V
													V
		10440	51.51	-16.69	68.2	56.19	39.88	12.36	56.92	100	0	P	H
		15660	49.37	-24.63	74	52.88	38.33	14.67	56.51	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	53.04	-15.16	68.2	57.72	39.88	12.36	56.92	100	0	P	V
5220MHz		15660	47.89	-26.11	74	51.4	38.33	14.67	56.51	100	0	P	V
													V
													V
		10480	61.41	-6.79	68.2	65.98	39.97	12.37	56.91	100	0	P	H
		15720	47.95	-26.05	74	51.54	38.16	14.69	56.44	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	60.4	-7.8	68.2	64.97	39.97	12.37	56.91			P	V
5240MHz		15720	49.27	-24.73	74	52.86	38.16	14.69	56.44	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5149.76	59.56	-14.44	74	49.24	31.69	8.18	29.55	259	30	P	H
		5149.24	51.78	-2.22	54	41.46	31.69	8.18	29.55	259	30	A	H
	*	5190	109.76	-	-	99.37	31.71	8.23	29.55	259	30	P	H
	*	5190	102.66	-	-	92.27	31.71	8.23	29.55	259	30	A	H
802.11n		5412.12	50.26	-23.74	74	39.65	31.85	8.34	29.58	259	30	P	H
HT40		5426.12	42.58	-11.42	54	31.93	31.85	8.38	29.58	259	30	A	H
CH 38		5143.26	53.13	-20.87	74	42.82	31.69	8.17	29.55	318	58	P	V
5190MHz		5150	45.44	-8.56	54	35.12	31.69	8.18	29.55	318	58	A	V
	*	5190	106.02	-	-	95.63	31.71	8.23	29.55	318	58	P	V
	*	5190	99.21	-	-	88.82	31.71	8.23	29.55	318	58	A	V
		5455.52	49.87	-24.13	74	39.13	31.87	8.46	29.59	318	58	P	V
		5459.72	42.16	-11.84	54	31.41	31.87	8.47	29.59	318	58	A	V
		5042.12	50.78	-23.22	74	40.65	31.63	8.04	29.54	200	22	P	H
		5068.38	42.75	-11.25	54	32.57	31.64	8.08	29.54	200	22	A	H
	*	5230	111.09	-	-	100.66	31.74	8.25	29.56	200	22	P	H
	*	5230	103.35	-	-	92.92	31.74	8.25	29.56	200	22	A	H
802.11n		5363.4	51.06	-22.94	74	40.51	31.82	8.3	29.57	200	22	P	H
HT40		5452.72	43.02	-10.98	54	32.29	31.87	8.45	29.59	200	22	A	H
CH 46		5050.96	51.09	-22.91	74	40.95	31.63	8.05	29.54	284	63	P	V
5230MHz		5020.28	42.84	-11.16	54	32.74	31.61	8.02	29.53	284	63	A	V
	*	5230	108.43	-	-	98	31.74	8.25	29.56	284	63	P	V
	*	5230	101.39	-	-	90.96	31.74	8.25	29.56	284	63	A	V
		5381.32	50.12	-23.88	74	39.57	31.83	8.3	29.58	284	63	P	V
		5447.96	42.34	-11.66	54	31.61	31.87	8.44	29.58	284	63	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n 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	46.24	-21.96	68.2	51.06	39.79	12.34	56.95	100	0	P	H
		15570	45.5	-28.5	74	48.97	38.53	14.62	56.62	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	47.16	-21.04	68.2	51.98	39.79	12.34	56.95	100	0	P	V
5190MHz		15570	47.32	-26.68	74	50.79	38.53	14.62	56.62	100	0	P	V
													V
													V
		10460	48.01	-20.19	68.2	52.65	39.91	12.37	56.92	100	0	P	H
		15690	46.41	-27.59	74	49.97	38.24	14.67	56.47	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	49.46	-18.74	68.2	54.1	39.91	12.37	56.92	100	0	P	V
5230MHz		15690	46.05	-27.95	74	49.61	38.24	14.67	56.47	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5147.16	56.43	-17.57	74	46.12	31.69	8.17	29.55	248	30	P	H
		5148.46	50.79	-3.21	54	40.47	31.69	8.18	29.55	248	30	A	H
	*	5210	106.14	-	-	95.73	31.73	8.24	29.56	248	30	P	H
	*	5210	98.75	-	-	88.34	31.73	8.24	29.56	248	30	A	H
		5371.8	50.88	-23.12	74	40.33	31.82	8.3	29.57	248	30	P	H
		5376.28	43.08	-10.92	54	32.54	31.82	8.3	29.58	248	30	A	H
		5143.78	53.43	-20.57	74	43.12	31.69	8.17	29.55	317	56	P	V
		5142.74	46.81	-7.19	54	36.5	31.69	8.17	29.55	317	56	A	V
	*	5210	103.43	-	-	93.02	31.73	8.24	29.56	317	56	P	V
	*	5210	96.24	-	-	85.83	31.73	8.24	29.56	317	56	A	V
		5365.36	50.53	-23.47	74	39.98	31.82	8.3	29.57	317	56	P	V
		5452.44	42.26	-11.74	54	31.53	31.87	8.45	29.59	317	56	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.17	-22.03	68.2	50.89	39.85	12.36	56.93	100	0	P	H
		15630	44.31	-29.69	74	47.83	38.37	14.65	56.54	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	47.33	-20.87	68.2	52.05	39.85	12.36	56.93	100	0	P	V
5210MHz		15630	45.07	-28.93	74	48.59	38.37	14.65	56.54	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		5126.48	52	-22	74	41.72	31.68	8.15	29.55	104	19	P	H
		5048.96	41.98	-12.02	54	31.84	31.63	8.05	29.54	104	19	A	H
	*	5260	113.24	-	-	102.78	31.76	8.26	29.56	104	19	P	H
	*	5260	106.21	-	-	95.75	31.76	8.26	29.56	104	19	A	H
		5350.8	53.77	-20.23	74	43.24	31.81	8.29	29.57	104	19	P	H
		5350.8	43.18	-10.82	54	32.65	31.81	8.29	29.57	104	19	A	H
		5054.06	51.01	-22.99	74	40.86	31.63	8.06	29.54	281	56	P	V
		5018.7	41.99	-12.01	54	31.9	31.61	8.01	29.53	281	56	A	V
	*	5260	111.03	-	-	100.57	31.76	8.26	29.56	281	56	P	V
	*	5260	103.96	-	-	93.5	31.76	8.26	29.56	281	56	A	V
		5446.56	51.01	-22.99	74	40.28	31.87	8.44	29.58	281	56	P	V
		5452.56	41.88	-12.12	54	31.15	31.87	8.45	29.59	281	56	A	V
802.11a CH 60 5300MHz		5063.58	50.9	-23.1	74	40.73	31.64	8.07	29.54	102	36	P	H
		5081.94	42.39	-11.61	54	32.19	31.65	8.09	29.54	102	36	A	H
	*	5300	113.67	-	-	103.19	31.78	8.27	29.57	102	36	P	H
	*	5300	105.96	-	-	95.48	31.78	8.27	29.57	102	36	A	H
		5361.76	55.52	-18.48	74	44.97	31.82	8.3	29.57	102	36	P	H
		5351.36	45.55	-8.45	54	35.02	31.81	8.29	29.57	102	36	A	H
		5037.4	51.15	-22.85	74	41.02	31.62	8.04	29.53	306	75	P	V
		5093.5	42.19	-11.81	54	31.96	31.66	8.11	29.54	306	75	A	V
	*	5300	110.47	-	-	99.99	31.78	8.27	29.57	306	75	P	V
	*	5300	103.36	-	-	92.88	31.78	8.27	29.57	306	75	A	V
		5352.24	52.09	-21.91	74	41.56	31.81	8.29	29.57	306	75	P	V
		5351.04	43.53	-10.47	54	33	31.81	8.29	29.57	306	75	A	V

802.11a CH 64 5320MHz	*	5320	113	-	-	102.5	31.79	8.28	29.57	101	34	P	H
	*	5320	105.45	-	-	94.95	31.79	8.28	29.57	101	34	A	H
		5354.4	64.42	-9.58	74	53.89	31.81	8.29	29.57	101	34	P	H
		5350.24	47.31	-6.69	54	36.78	31.81	8.29	29.57	101	34	A	H
													H
													H
	*	5320	110.11	-	-	99.61	31.79	8.28	29.57	325	62	P	V
	*	5320	102.53	-	-	92.03	31.79	8.28	29.57	325	62	A	V
		5353.6	60.55	-13.45	74	50.02	31.81	8.29	29.57	325	62	P	V
		5350.4	44.63	-9.37	54	34.1	31.81	8.29	29.57	325	62	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	49.96	-18.24	68.2	54.43	40.02	12.39	56.88	100	0	P	H
		15780	46.45	-27.55	74	50.05	38.04	14.72	56.36	100	0	P	H
													H
													H
		10520	50.9	-17.3	68.2	55.37	40.02	12.39	56.88	100	0	P	V
		15780	46.29	-27.71	74	49.89	38.04	14.72	56.36	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.3	-26.7	74	51.61	40.1	12.41	56.82	100	0	P	H
		15900	46.27	-27.73	74	49.97	37.75	14.77	56.22	100	0	P	H
													H
													H
		10600	49.61	-24.39	74	53.92	40.1	12.41	56.82	100	0	P	V
		15900	47.87	-26.13	74	51.57	37.75	14.77	56.22	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.45	-26.55	74	51.69	40.14	12.41	56.79	100	0	P	H
		15960	48.28	-25.72	74	52.06	37.58	14.79	56.15	100	0	P	H
													H
													H
		10640	48.69	-25.31	74	52.93	40.14	12.41	56.79	100	0	P	V
		15960	47.89	-26.11	74	51.67	37.58	14.79	56.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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)
		5007.14	51.12	-22.88	74	41.04	31.61	8	29.53	261	25	P	H
		5082.96	42.46	-11.54	54	32.26	31.65	8.09	29.54	261	25	A	H
	*	5260	114.26	-	-	103.8	31.76	8.26	29.56	261	25	P	H
	*	5260	106.64	-	-	96.18	31.76	8.26	29.56	261	25	A	H
802.11n		5359.2	54.54	-19.46	74	44	31.81	8.3	29.57	261	25	P	H
HT20		5350.08	43.02	-10.98	54	32.49	31.81	8.29	29.57	261	25	A	H
CH 52		5093.16	51.8	-22.2	74	41.57	31.66	8.11	29.54	311	75	P	V
5260MHz		5041.82	42.33	-11.67	54	32.2	31.63	8.04	29.54	311	75	A	V
	*	5260	110.3	-	-	99.84	31.76	8.26	29.56	311	75	P	V
	*	5260	102.44	-	-	91.98	31.76	8.26	29.56	311	75	A	V
		5449.68	51.63	-22.37	74	40.9	31.87	8.44	29.58	311	75	P	V
		5353.92	42.04	-11.96	54	31.51	31.81	8.29	29.57	311	75	A	V
		5031.28	52.16	-21.84	74	42.04	31.62	8.03	29.53	261	26	P	H
		5098.6	42.37	-11.63	54	32.14	31.66	8.11	29.54	261	26	A	H
	*	5300	114.19	-	-	103.71	31.78	8.27	29.57	261	26	P	H
	*	5300	106.52	-	-	96.04	31.78	8.27	29.57	261	26	A	H
802.11n		5351.28	59.48	-14.52	74	48.95	31.81	8.29	29.57	261	26	P	H
HT20		5350.8	45.72	-8.28	54	35.19	31.81	8.29	29.57	261	26	A	H
CH 60		5048.62	51.15	-22.85	74	41.01	31.63	8.05	29.54	323	74	P	V
5300MHz		5062.22	42.22	-11.78	54	32.05	31.64	8.07	29.54	323	74	A	V
	*	5300	110.17	-	-	99.69	31.78	8.27	29.57	323	74	P	V
	*	5300	102.67	-	-	92.19	31.78	8.27	29.57	323	74	A	V
		5359.92	53.09	-20.91	74	42.55	31.81	8.3	29.57	323	74	P	V
		5350.32	44.51	-9.49	54	33.98	31.81	8.29	29.57	323	74	A	V

	*	5320	116.61	-	-	106.11	31.79	8.28	29.57	100	32	P	H
	*	5320	107.55	-	-	97.05	31.79	8.28	29.57	100	32	A	H
		5350.24	58.91	-15.09	74	48.38	31.81	8.29	29.57	100	32	P	H
		5350.08	51.1	-2.9	54	40.57	31.81	8.29	29.57	100	32	A	H
802.11n													H
HT20													H
CH 64	*	5320	113.66	-	-	103.16	31.79	8.28	29.57	364	68	P	V
5320MHz	*	5320	106.06	-	-	95.56	31.79	8.28	29.57	364	68	A	V
		5351.2	55.81	-18.19	74	45.28	31.81	8.29	29.57	364	68	P	V
		5350.56	48.33	-5.67	54	37.8	31.81	8.29	29.57	364	68	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	50.76	-17.44	68.2	55.23	40.02	12.39	56.88	100	0	P	H
		15780	47.54	-26.46	74	51.14	38.04	14.72	56.36	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	52.11	-16.09	68.2	56.58	40.02	12.39	56.88	100	0	P	V
5260MHz		15780	49.07	-24.93	74	52.67	38.04	14.72	56.36	100	0	P	V
													V
													V
		10600	47.66	-26.34	74	51.97	40.1	12.41	56.82	100	0	P	H
		15900	47.81	-26.19	74	51.51	37.75	14.77	56.22	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	49.34	-24.66	74	53.65	40.1	12.41	56.82	100	0	P	V
5300MHz		15900	47.78	-26.22	74	51.48	37.75	14.77	56.22	100	0	P	V
													V
													V
		10640	53.09	-20.91	74	57.33	40.14	12.41	56.79	280	10	P	H
		10640	42.28	-11.72	54	46.52	40.14	12.41	56.79	280	10	A	H
802.11n		15960	48	-26	74	51.78	37.58	14.79	56.15	100	0	P	H
HT20													H
CH 64		10640	53.65	-20.35	74	57.89	40.14	12.41	56.79	204	359	P	V
5320MHz		10640	42.83	-11.17	54	47.07	40.14	12.41	56.79	204	359	A	V
		15960	48.24	-25.76	74	52.02	37.58	14.79	56.15	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n 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)
		5061.2	51.24	-22.76	74	41.07	31.64	8.07	29.54	104	35	P	H
		5090.78	43.15	-10.85	54	32.93	31.66	8.1	29.54	104	35	A	H
	*	5270	111.67	-	-	101.21	31.76	8.26	29.56	104	35	P	H
	*	5270	104.4	-	-	93.94	31.76	8.26	29.56	104	35	A	H
802.11n		5353.44	56.54	-17.46	74	46.01	31.81	8.29	29.57	104	35	P	H
HT40		5351.52	45.19	-8.81	54	34.66	31.81	8.29	29.57	104	35	A	H
CH 54		5084.32	51.23	-22.77	74	41.02	31.65	8.1	29.54	296	69	P	V
5270MHz		5043.52	42.9	-11.1	54	32.77	31.63	8.04	29.54	296	69	A	V
	*	5270	108.75	-	-	98.29	31.76	8.26	29.56	296	69	P	V
	*	5270	101.4	-	-	90.94	31.76	8.26	29.56	296	69	A	V
		5355.84	52.37	-21.63	74	41.84	31.81	8.29	29.57	296	69	P	V
		5351.04	43.63	-10.37	54	33.1	31.81	8.29	29.57	296	69	A	V
		5129.88	51.94	-22.06	74	41.66	31.68	8.15	29.55	101	37	P	H
		5107.44	43.07	-10.93	54	32.82	31.67	8.12	29.54	101	37	A	H
	*	5310	106.93	-	-	96.43	31.79	8.28	29.57	101	37	P	H
	*	5310	99.9	-	-	89.4	31.79	8.28	29.57	101	37	A	H
802.11n		5350.8	56.57	-17.43	74	46.04	31.81	8.29	29.57	101	37	P	H
HT40		5350.08	49.63	-4.37	54	39.1	31.81	8.29	29.57	101	37	A	H
CH 62		5116.96	51.48	-22.52	74	41.21	31.67	8.14	29.54	346	78	P	V
5310MHz		5061.54	43.22	-10.78	54	33.05	31.64	8.07	29.54	346	78	A	V
	*	5310	103.3	-	-	92.8	31.79	8.28	29.57	346	78	P	V
	*	5310	96.28	-	-	85.78	31.79	8.28	29.57	346	78	A	V
		5350.08	51.02	-22.98	74	40.49	31.81	8.29	29.57	346	78	P	V
		5350.56	45.54	-8.46	54	35.01	31.81	8.29	29.57	346	78	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	58.15	-10.05	68.2	62.6	40.03	12.39	56.87	100	0	P	H
		15810	49.36	-24.64	74	53	37.96	14.73	56.33	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	57.39	-10.81	68.2	61.84	40.03	12.39	56.87	100	0	P	V
5270MHz		15810	50.83	-23.17	74	54.47	37.96	14.73	56.33	200	302	P	V
		15810	39.97	-14.03	54	43.61	37.96	14.73	56.33	200	302	A	V
													V
		10620	46.31	-27.69	74	50.58	40.12	12.41	56.8	100	0	P	H
		15930	45.29	-28.71	74	49.02	37.67	14.78	56.18	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	46.47	-27.53	74	50.74	40.12	12.41	56.8	100	0	P	V
5310MHz		15930	44.98	-29.02	74	48.71	37.67	14.78	56.18	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5053.04	51.5	-22.5	74	41.35	31.63	8.06	29.54	100	32	P	H
		5055.76	43.01	-10.99	54	32.85	31.64	8.06	29.54	100	32	A	H
	*	5290	101.79	-	-	91.31	31.77	8.27	29.56	100	32	P	H
	*	5290	94.31	-	-	83.83	31.77	8.27	29.56	100	32	A	H
		5350.8	60.9	-13.1	74	50.37	31.81	8.29	29.57	100	32	P	H
		5350.56	52.57	-1.43	54	42.04	31.81	8.29	29.57	100	32	A	H
		5096.56	51.73	-22.27	74	41.5	31.66	8.11	29.54	303	83	P	V
		5041.82	43.08	-10.92	54	32.95	31.63	8.04	29.54	303	83	A	V
	*	5290	99.05	-	-	88.57	31.77	8.27	29.56	303	83	P	V
	*	5290	91.19	-	-	80.71	31.77	8.27	29.56	303	83	A	V
		5369.04	56.19	-17.81	74	45.64	31.82	8.3	29.57	303	83	P	V
		5350.8	48.9	-5.1	54	38.37	31.81	8.29	29.57	303	83	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	46.52	-21.68	68.2	50.87	40.09	12.4	56.84	100	0	P	H
		15870	45.03	-28.97	74	48.75	37.79	14.75	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.18	-22.02	68.2	50.53	40.09	12.4	56.84	100	0	P	V
5290MHz		15870	44.89	-29.11	74	48.61	37.79	14.75	56.26	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (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		5459.28	54.51	-19.49	74	43.76	31.87	8.47	29.59	100	29	P	H
		5462.32	54.51	-13.69	68.2	43.75	31.87	8.48	29.59	100	29	P	H
		5457.84	45.22	-8.78	54	34.47	31.87	8.47	29.59	100	29	A	H
	*	5500	112.3	-	-	101.41	31.9	8.58	29.59	100	29	P	H
	*	5500	104.83	-	-	93.94	31.9	8.58	29.59	100	29	A	H
													H
		5452.56	52.47	-21.53	74	41.74	31.87	8.45	29.59	303	76	P	V
		5462.16	51.91	-16.29	68.2	41.15	31.87	8.48	29.59	303	76	P	V
		5452.88	43.31	-10.69	54	32.58	31.87	8.45	29.59	303	76	A	V
	*	5500	109.11	-	-	98.22	31.9	8.58	29.59	303	76	P	V
	*	5500	101.53	-	-	90.64	31.9	8.58	29.59	303	76	A	V
													V
802.11a CH 116 5580MHz		5431.36	50.79	-23.21	74	40.12	31.86	8.39	29.58	101	30	P	H
		5464.72	51.13	-17.07	68.2	40.36	31.88	8.48	29.59	101	30	P	H
		5452.96	42.61	-11.39	54	31.88	31.87	8.45	29.59	101	30	A	H
	*	5580	112.15	-	-	100.98	32	8.8	29.63	101	30	P	H
	*	5580	105.15	-	-	93.98	32	8.8	29.63	101	30	A	H
		5745.47	50.68	-17.52	68.2	39.32	32.24	8.81	29.69	101	30	P	H
		5448.16	50.34	-23.66	74	39.61	31.87	8.44	29.58	295	74	P	V
		5465.92	48.71	-19.49	68.2	37.93	31.88	8.49	29.59	295	74	P	V
		5452.48	41.83	-12.17	54	31.1	31.87	8.45	29.59	295	74	A	V
	*	5580	109.3	-	-	98.13	32	8.8	29.63	295	74	P	V
	*	5580	102.12	-	-	90.95	32	8.8	29.63	295	74	A	V
		5758.7	50.54	-17.66	68.2	39.18	32.26	8.81	29.71	295	74	P	V

802.11a CH 140 5700MHz	*	5700	112.77	-	-	101.44	32.17	8.83	29.67	224	31	P	H
	*	5700	105.3	-	-	93.97	32.17	8.83	29.67	224	31	A	H
		5757.64	54.65	-13.55	68.2	43.29	32.26	8.81	29.71	224	31	P	H
													H
													H
													H
	*	5700	109.44	-	-	98.11	32.17	8.83	29.67	300	74	P	V
	*	5700	102.24	-	-	90.91	32.17	8.83	29.67	300	74	A	V
		5730.84	58.67	-9.53	68.2	47.33	32.21	8.82	29.69	300	74	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	48.69	-25.31	74	52.18	40.5	12.51	56.5	100	0	P	H
		16500	47.31	-20.89	68.2	48.69	39.4	14.92	55.7	100	0	P	H
													H
													H
		11000	48.4	-25.6	74	51.89	40.5	12.51	56.5	100	0	P	V
		16500	47.23	-20.97	68.2	48.61	39.4	14.92	55.7	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	55.83	-18.17	74	59.38	40.3	12.59	56.44	100	358	P	H
		11160	46.6	-7.4	54	50.15	40.3	12.59	56.44	100	358	A	H
		16740	47.42	-20.78	68.2	48.66	39.69	14.96	55.89	100	0	P	H
													H
		11160	54.72	-19.28	74	58.27	40.3	12.59	56.44	100	334	P	V
		11160	44.44	-9.56	54	47.99	40.3	12.59	56.44	100	334	A	V
		16740	47.47	-20.73	68.2	48.71	39.69	14.96	55.89	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	55.71	-18.29	74	59.32	40.02	12.71	56.34	101	4	P	H
		11400	46.43	-7.57	54	50.04	40.02	12.71	56.34	101	4	A	H
		17100	48.8	-19.4	68.2	49.68	40.36	15.06	56.3	100	0	P	H
													H
		11400	54.4	-19.6	74	58.01	40.02	12.71	56.34	103	332	P	V
		11400	44.63	-9.37	54	48.24	40.02	12.71	56.34	103	332	A	V
		17100	49.01	-19.19	68.2	49.89	40.36	15.06	56.3	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)
		5459.12	63.3	-10.7	74	52.55	31.87	8.47	29.59	255	37	P	H
		5467.28	65.18	-3.02	68.2	54.4	31.88	8.49	29.59	255	37	P	H
		5459.92	47.77	-6.23	54	37.02	31.87	8.47	29.59	255	37	A	H
	*	5500	117.03	-	-	106.14	31.9	8.58	29.59	255	37	P	H
802.11n	*	5500	109.17	-	-	98.28	31.9	8.58	29.59	255	37	A	H
HT20													H
CH 100		5452.4	54.45	-19.55	74	43.72	31.87	8.45	29.59	288	298	P	V
5500MHz		5464.56	57.81	-10.39	68.2	47.04	31.88	8.48	29.59	288	298	P	V
		5456.4	45.18	-8.82	54	34.44	31.87	8.46	29.59	288	298	A	V
	*	5500	113.15	-	-	102.26	31.9	8.58	29.59	288	298	P	V
	*	5500	105.26	-	-	94.37	31.9	8.58	29.59	288	298	A	V
													V
		5449.6	52.21	-21.79	74	41.48	31.87	8.44	29.58	104	31	P	H
		5466.64	51.8	-16.4	68.2	41.02	31.88	8.49	29.59	104	31	P	H
		5452.72	42.52	-11.48	54	31.79	31.87	8.45	29.59	104	31	A	H
	*	5580	113.88	-	-	102.71	32	8.8	29.63	104	31	P	H
802.11n	*	5580	106.06	-	-	94.89	32	8.8	29.63	104	31	A	H
HT20		5732.24	51.88	-16.32	68.2	40.54	32.21	8.82	29.69	104	31	P	H
CH 116		5377.36	51.15	-22.85	74	40.61	31.82	8.3	29.58	296	76	P	V
5580MHz		5469.28	52.27	-15.93	68.2	41.48	31.88	8.5	29.59	296	76	P	V
		5455.12	41.78	-12.22	54	31.04	31.87	8.46	29.59	296	76	A	V
	*	5580	110.71	-	-	99.54	32	8.8	29.63	296	76	P	V
	*	5580	103.05	-	-	91.88	32	8.8	29.63	296	76	A	V
		5744.21	52.92	-15.28	68.2	41.56	32.24	8.81	29.69	296	76	P	V

	*	5700	115.78	-	-	104.45	32.17	8.83	29.67	250	34	P	H
	*	5700	108.27	-	-	96.94	32.17	8.83	29.67	250	34	A	H
		5726.36	66.69	-1.51	68.2	55.34	32.21	8.82	29.68	250	34	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	109.34	-	-	98.01	32.17	8.83	29.67	316	66	P	V
5700MHz	*	5700	100.85	-	-	89.52	32.17	8.83	29.67	316	66	A	V
		5731.96	55.5	-12.7	68.2	44.16	32.21	8.82	29.69	316	66	P	V
													V
													V
													V

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

Band 3 - 5470~5725MHz

WIFI 802.11n 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	49.16	-24.84	74	52.65	40.5	12.51	56.5	100	0	P	H
		16500	46.64	-21.56	68.2	48.02	39.4	14.92	55.7	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	49.39	-24.61	74	52.88	40.5	12.51	56.5	100	0	P	V
5500MHz		16500	47.03	-21.17	68.2	48.41	39.4	14.92	55.7	100	0	P	V
													V
													V
		11160	55.98	-18.02	74	59.53	40.3	12.59	56.44	100	354	P	H
		11160	46.05	-7.95	54	49.6	40.3	12.59	56.44	100	354	A	H
802.11n		16740	47.69	-20.51	68.2	48.93	39.69	14.96	55.89	100	0	P	H
HT20													H
CH 116		11160	55.65	-18.35	74	59.2	40.3	12.59	56.44	142	353	P	V
5580MHz		11160	45.82	-8.18	54	49.37	40.3	12.59	56.44	142	353	A	V
		16740	46.73	-21.47	68.2	47.97	39.69	14.96	55.89	100	0	P	V
													V
		11400	56.72	-17.28	74	60.33	40.02	12.71	56.34	101	11	P	H
		11400	45.88	-8.12	54	49.49	40.02	12.71	56.34	101	11	A	H
802.11n		17100	48.2	-20	68.2	49.08	40.36	15.06	56.3	100	0	P	H
HT20													H
CH 140		11400	53.44	-20.56	74	57.05	40.02	12.71	56.34	102	326	P	V
5700MHz		11400	43.79	-10.21	54	47.4	40.02	12.71	56.34	102	326	A	V
		17100	48.86	-19.34	68.2	49.74	40.36	15.06	56.3	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)
		5459.2	58.52	-15.48	74	47.77	31.87	8.47	29.59	253	37	P	H
		5467.12	66.19	-2.01	68.2	55.41	31.88	8.49	29.59	253	37	P	H
		5458.72	47.98	-6.02	54	37.23	31.87	8.47	29.59	253	37	A	H
	*	5510	112.06	-	-	101.15	31.9	8.61	29.6	253	37	P	H
802.11n	*	5510	104.33	-	-	93.42	31.9	8.61	29.6	253	37	A	H
HT40		5743.58	52.18	-16.02	68.2	40.82	32.24	8.81	29.69	253	37	P	H
CH 102		5459.92	54.8	-19.2	74	44.05	31.87	8.47	29.59	283	62	P	V
5510MHz		5461.12	54.34	-13.86	68.2	43.58	31.87	8.48	29.59	283	62	P	V
		5459.92	46.1	-7.9	54	35.35	31.87	8.47	29.59	283	62	A	V
	*	5510	108.88	-	-	97.97	31.9	8.61	29.6	283	62	P	V
	*	5510	100.55	-	-	89.64	31.9	8.61	29.6	283	62	A	V
		5763.74	52.72	-15.48	68.2	41.36	32.26	8.81	29.71	283	62	P	V
		5459.68	54.14	-19.86	74	43.39	31.87	8.47	29.59	102	36	P	H
		5463.76	54.89	-13.31	68.2	44.12	31.88	8.48	29.59	102	36	P	H
		5452.96	43.89	-10.11	54	33.16	31.87	8.45	29.59	102	36	A	H
	*	5550	112.49	-	-	101.41	31.97	8.72	29.61	102	36	P	H
802.11n	*	5550	104.35	-	-	93.27	31.97	8.72	29.61	102	36	A	H
HT40		5755.235	53.14	-15.06	68.2	41.76	32.26	8.81	29.69	102	36	P	H
CH 110		5449.12	51.11	-22.89	74	40.38	31.87	8.44	29.58	315	77	P	V
5550MHz		5466.16	51.43	-16.77	68.2	40.65	31.88	8.49	29.59	315	77	P	V
		5459.92	42.86	-11.14	54	32.11	31.87	8.47	29.59	315	77	A	V
	*	5550	109.05	-	-	97.97	31.97	8.72	29.61	315	77	P	V
	*	5550	100.83	-	-	89.75	31.97	8.72	29.61	315	77	A	V
		5755.865	53.22	-14.98	68.2	41.86	32.26	8.81	29.71	315	77	P	V

		5447.3	50.96	-23.04	74	40.23	31.87	8.44	29.58	100	31	P	H
		5466.55	51.04	-17.16	68.2	40.26	31.88	8.49	29.59	100	31	P	H
		5452.55	42.26	-11.74	54	31.53	31.87	8.45	29.59	100	31	A	H
	*	5670	110.82	-	-	99.51	32.14	8.83	29.66	100	31	P	H
802.11n	*	5670	103.49	-	-	92.18	32.14	8.83	29.66	100	31	A	H
HT40		5727.83	55.66	-12.54	68.2	44.31	32.21	8.82	29.68	100	31	P	H
CH 134		5434.7	50.68	-23.32	74	40	31.86	8.4	29.58	320	76	P	V
5670MHz		5463.4	50.77	-17.43	68.2	40	31.88	8.48	29.59	320	76	P	V
		5456.75	42.13	-11.87	54	31.39	31.87	8.46	29.59	320	76	A	V
	*	5670	108.1	-	-	96.79	32.14	8.83	29.66	320	76	P	V
	*	5670	100.58	-	-	89.27	32.14	8.83	29.66	320	76	A	V
		5740.745	52.42	-15.78	68.2	41.06	32.24	8.81	29.69	320	76	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11n 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	47.63	-26.37	74	51.12	40.48	12.52	56.49	100	0	P	H
		16530	47.36	-20.84	68.2	48.72	39.44	14.92	55.72	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	48.04	-25.96	74	51.53	40.48	12.52	56.49	100	0	P	V
5510MHz		16530	46.91	-21.29	68.2	48.27	39.44	14.92	55.72	100	0	P	V
													V
													V
		11100	57.24	-16.76	74	60.76	40.38	12.56	56.46	299	19	P	H
		11100	48.03	-5.97	54	51.55	40.38	12.56	56.46	299	19	A	H
802.11n		16650	52.19	-16.01	68.2	53.47	39.59	14.95	55.82	100	0	P	H
HT40													H
CH 110		11100	54.47	-19.53	74	57.99	40.38	12.56	56.46	121	355	P	V
5550MHz		11100	46.49	-7.51	54	50.01	40.38	12.56	56.46	121	355	A	V
		16650	51.17	-17.03	68.2	52.45	39.59	14.95	55.82	100	0	P	V
													V
		11340	49.26	-24.74	74	52.84	40.1	12.68	56.36	100	0	P	H
		17010	48.08	-20.12	68.2	49.13	40.06	15.01	56.12	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	47.38	-26.62	74	50.96	40.1	12.68	56.36	100	0	P	V
5670MHz		17010	49.23	-18.97	68.2	50.28	40.06	15.01	56.12	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)
		5458.48	57.69	-16.31	74	46.94	31.87	8.47	29.59	100	33	P	H
		5460.64	57.93	-10.27	68.2	47.18	31.87	8.47	29.59	100	33	P	H
		5459.68	52.22	-1.78	54	41.47	31.87	8.47	29.59	100	33	A	H
	*	5530	107.23	-	-	96.26	31.92	8.66	29.61	100	33	P	H
802.11ac	*	5530	98.79	-	-	87.82	31.92	8.66	29.61	100	33	A	H
VHT80		5753.345	52.72	-15.48	68.2	41.34	32.26	8.81	29.69	100	33	P	H
CH 106		5458.24	58.91	-15.09	74	48.16	31.87	8.47	29.59	270	293	P	V
5530MHz		5463.52	59.48	-8.72	68.2	48.71	31.88	8.48	29.59	270	293	P	V
		5458.96	50.21	-3.79	54	39.46	31.87	8.47	29.59	270	293	A	V
	*	5530	104.26	-	-	93.29	31.92	8.66	29.61	270	293	P	V
	*	5530	95.88	-	-	84.91	31.92	8.66	29.61	270	293	A	V
		5742.95	52.43	-15.77	68.2	41.07	32.24	8.81	29.69	270	293	P	V
		5437.6	51.17	-22.83	74	40.48	31.86	8.41	29.58	258	41	P	H
		5463.76	50.99	-17.21	68.2	40.22	31.88	8.48	29.59	258	41	P	H
		5452.72	43.75	-10.25	54	33.02	31.87	8.45	29.59	258	41	A	H
	*	5610	108.77	-	-	97.52	32.04	8.85	29.64	258	41	P	H
802.11ac	*	5610	100.68	-	-	89.43	32.04	8.85	29.64	258	41	A	H
VHT80		5733.815	52.66	-15.54	68.2	41.32	32.21	8.82	29.69	258	41	P	H
CH 122		5415.28	51.28	-22.72	74	40.66	31.85	8.35	29.58	311	78	P	V
5610MHz		5469.04	50.78	-17.42	68.2	39.99	31.88	8.5	29.59	311	78	P	V
		5458	42.51	-11.49	54	31.76	31.87	8.47	29.59	311	78	A	V
	*	5610	106.07	-	-	94.82	32.04	8.85	29.64	311	78	P	V
	*	5610	97.64	-	-	86.39	32.04	8.85	29.64	311	78	A	V
		5729.405	51.35	-16.85	68.2	40	32.21	8.82	29.68	311	78	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	46.61	-27.39	74	50.13	40.42	12.54	56.48	100	0	P	H
		16590	46.47	-21.73	68.2	47.81	39.5	14.93	55.77	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.32	-26.68	74	50.84	40.42	12.54	56.48	100	0	P	V
5530MHz		16590	47.4	-20.8	68.2	48.74	39.5	14.93	55.77	100	0	P	V
													V
													V
		11220	48.27	-25.73	74	51.82	40.24	12.62	56.41	100	0	P	H
		16830	48.62	-19.58	68.2	49.81	39.79	14.98	55.96	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.25	-26.75	74	50.8	40.24	12.62	56.41	100	0	P	V
5610MHz		16830	47.82	-20.38	68.2	49.01	39.79	14.98	55.96	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11a (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		5412.79	50.79	-23.21	74	40.18	31.85	8.34	29.58	247	38	P	H
		5470	49.82	-18.38	68.2	39.03	31.88	8.5	29.59	247	38	P	H
		5452.57	42.48	-11.52	54	31.75	31.87	8.45	29.59	247	38	A	H
	*	5720	113.66	-	-	102.31	32.21	8.82	29.68	247	38	P	H
	*	5720	106.56	-	-	95.21	32.21	8.82	29.68	247	38	A	H
		5850.75	53.21	-14.99	68.2	41.72	32.38	8.85	29.74	247	38	P	H
		5441.26	50.36	-23.64	74	39.66	31.86	8.42	29.58	296	64	P	V
		5464.66	49.56	-18.64	68.2	38.79	31.88	8.48	29.59	296	64	P	V
		5452.96	41.79	-12.21	54	31.06	31.87	8.45	29.59	296	64	A	V
	*	5720	109.66	-	-	98.31	32.21	8.82	29.68	296	64	P	V
	*	5720	102.23	-	-	90.88	32.21	8.82	29.68	296	64	A	V
		5913.5	52.89	-15.31	68.2	41.28	32.48	8.9	29.77	296	64	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	57.72	-16.28	74	61.34	39.98	12.72	56.32	100	6	P	H
		11440	46.41	-7.59	54	50.03	39.98	12.72	56.32	100	6	A	H
		17160	49.15	-19.05	68.2	49.9	40.6	15.07	56.42	100	0	P	H
													H
		11440	49.98	-24.02	74	53.6	39.98	12.72	56.32			P	V
		17160	48.18	-20.02	68.2	48.93	40.6	15.07	56.42			P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI 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		5410.45	50.94	-23.06	74	40.34	31.84	8.34	29.58	103	35	P	H
		5465.83	49.23	-18.97	68.2	38.45	31.88	8.49	29.59	103	35	P	H
		5453.35	41.85	-12.15	54	31.12	31.87	8.45	29.59	103	35	A	H
	*	5720	114.26	-	-	102.91	32.21	8.82	29.68	103	35	P	H
	*	5720	106.51	-	-	95.16	32.21	8.82	29.68	103	35	A	H
		5865	53.56	-14.64	68.2	42.04	32.41	8.86	29.75	103	35	P	H
		5458.03	51.05	-22.95	74	40.3	31.87	8.47	29.59	298	73	P	V
		5469.73	49.47	-18.73	68.2	38.68	31.88	8.5	29.59	298	73	P	V
		5454.13	41.41	-12.59	54	30.67	31.87	8.46	29.59	298	73	A	V
	*	5720	111.2	-	-	99.85	32.21	8.82	29.68	298	73	P	V
	*	5720	103.34	-	-	91.99	32.21	8.82	29.68	298	73	A	V
		5860.25	52.11	-16.09	68.2	40.6	32.41	8.85	29.75	298	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 802.11n 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)
		11440	55.51	-18.49	74	59.13	39.98	12.72	56.32	103	5	P	H
		11440	46.61	-7.39	54	50.23	39.98	12.72	56.32	103	5	A	H
802.11n		17160	49.35	-18.85	68.2	50.1	40.6	15.07	56.42	100	0	P	H
HT20													H
CH 144		11440	49.99	-24.01	74	53.61	39.98	12.72	56.32	100	0	P	V
5720MHz		17160	48.26	-19.94	68.2	49.01	40.6	15.07	56.42	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+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (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		5361.31	50.65	-23.35	74	40.1	31.82	8.3	29.57	100	31	P	H
		5463.88	50.67	-17.53	68.2	39.9	31.88	8.48	29.59	100	31	P	H
		5452.57	42.74	-11.26	54	32.01	31.87	8.45	29.59	100	31	A	H
	*	5710	110.9	-	-	99.57	32.19	8.82	29.68	100	31	P	H
	*	5710	103.66	-	-	92.33	32.19	8.82	29.68	100	31	A	H
		5859.75	52.32	-15.88	68.2	40.81	32.41	8.85	29.75	100	31	P	H
		5438.14	50.99	-23.01	74	40.3	31.86	8.41	29.58	319	76	P	V
		5462.71	49.04	-19.16	68.2	38.27	31.88	8.48	29.59	319	76	P	V
		5455.69	42.26	-11.74	54	31.52	31.87	8.46	29.59	319	76	A	V
	*	5710	107.81	-	-	96.48	32.19	8.82	29.68	319	76	P	V
	*	5710	100.33	-	-	89	32.19	8.82	29.68	319	76	A	V
		5850.5	51.72	-16.48	68.2	40.23	32.38	8.85	29.74	319	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 802.11n 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	53.57	-20.43	74	57.19	40	12.71	56.33	100	7	P	H
		11420	44.45	-9.55	54	48.07	40	12.71	56.33	100	7	A	H
802.11n		17130	49.08	-19.12	68.2	49.89	40.48	15.07	56.36	100	0	P	H
HT40													H
CH 142		11420	49.39	-24.61	74	53.01	40	12.71	56.33	100	0	P	V
5710MHz		17130	48.23	-19.97	68.2	49.04	40.48	15.07	56.36	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		5456.86	50.43	-23.57	74	39.69	31.87	8.46	29.59	245	42	P	H
		5467	51.12	-17.08	68.2	40.34	31.88	8.49	29.59	245	42	P	H
		5452.96	42.88	-11.12	54	32.15	31.87	8.45	29.59	245	42	A	H
	*	5690	109.42	-	-	98.09	32.17	8.83	29.67	245	42	P	H
	*	5690	101.3	-	-	89.97	32.17	8.83	29.67	245	42	A	H
		5875.3	52.39	-15.81	68.2	40.84	32.43	8.87	29.75	245	42	P	H
		5447.89	50.88	-23.12	74	40.15	31.87	8.44	29.58	302	72	P	V
		5461.15	49.43	-18.77	68.2	38.67	31.87	8.48	29.59	302	72	P	V
		5452.57	42.29	-11.71	54	31.56	31.87	8.45	29.59	302	72	A	V
	*	5690	106.26	-	-	94.93	32.17	8.83	29.67	302	72	P	V
	*	5690	97.06	-	-	85.73	32.17	8.83	29.67	302	72	A	V
		5915.8	51.88	-16.32	68.2	40.27	32.48	8.9	29.77	302	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 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	49.21	-24.79	74	52.82	40.04	12.7	56.35	100	0	P	H
		17070	48	-20.2	68.2	48.96	40.24	15.04	56.24	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	48.03	-25.97	74	51.64	40.04	12.7	56.35	100	0	P	V
5690MHz		17070	47.9	-20.3	68.2	48.86	40.24	15.04	56.24	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11n HT20 (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 HT20 LF		111.54	29.67	-13.83	43.5	43.6	16.9	1.37	32.2	-	-	P	H
		134.76	28.04	-15.46	43.5	41.41	17.38	1.44	32.19	-	-	P	H
		293.52	34.2	-11.8	46	45.27	19	2.08	32.15	-	-	P	H
		304.9	31.15	-14.85	46	41.98	19.2	2.12	32.15	-	-	P	H
		775.3	30.36	-15.64	46	30.87	28.11	3.32	31.94	-	-	P	H
		885.9	36.59	-9.41	46	35.46	29.07	3.54	31.48	100	0	P	H
													H
													H
													H
													H
													H
													H
		46.2	30.04	-9.96	40	45.27	16.15	0.91	32.29	-	-	P	V
		60.24	31.06	-8.94	40	50.59	11.78	0.96	32.27	100	0	P	V
		81.3	25.55	-14.45	40	43.1	13.48	1.21	32.24	-	-	P	V
		304.9	26.06	-19.94	46	36.89	19.2	2.12	32.15	-	-	P	V
		553.4	27.02	-18.98	46	30.95	25.41	2.87	32.21	-	-	P	V
		947.5	33.22	-12.78	46	30.09	30.44	3.7	31.01	-	-	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)
		5128.7	53	-21	74	42.72	31.68	8.15	29.55	389	43	P	H
		5149.5	41.91	-12.09	54	31.59	31.69	8.18	29.55	389	43	A	H
	*	5180	106.39	-	-	96.01	31.71	8.22	29.55	389	43	P	H
	*	5180	93.02	-	-	82.64	31.71	8.22	29.55	389	43	A	H
802.11ac													H
VHT20													H
CH 36		5147.16	61.19	-12.81	74	50.88	31.69	8.17	29.55	380	51	P	V
5180MHz		5145.6	42.55	-11.45	54	32.24	31.69	8.17	29.55	380	51	A	V
	*	5180	109.83	-	-	99.45	31.71	8.22	29.55	380	51	P	V
	*	5180	96.5	-	-	86.12	31.71	8.22	29.55	380	51	A	V
													V
													V
		5022.62	51.83	-22.17	74	41.72	31.62	8.02	29.53	382	38	P	H
		5043.94	41.2	-12.8	54	31.07	31.63	8.04	29.54	382	38	A	H
	*	5220	109.04	-	-	98.62	31.73	8.25	29.56	382	38	P	H
	*	5220	94.42	-	-	84	31.73	8.25	29.56	382	38	A	H
802.11ac		5397.28	49.88	-24.12	74	39.31	31.84	8.31	29.58	382	38	P	H
VHT20		5460	40.66	-13.34	54	29.91	31.87	8.47	29.59	382	38	A	H
CH 44		5027.82	51.27	-22.73	74	41.16	31.62	8.02	29.53	278	0	P	V
5220MHz		5058.24	41.21	-12.79	54	31.05	31.64	8.06	29.54	278	0	A	V
	*	5220	109.22	-	-	98.8	31.73	8.25	29.56	278	0	P	V
	*	5220	95.54	-	-	85.12	31.73	8.25	29.56	278	0	A	V
		5455.52	50.08	-23.92	74	39.34	31.87	8.46	29.59	278	0	P	V
		5459.44	40.68	-13.32	54	29.93	31.87	8.47	29.59	278	0	A	V

		5105.56	51.48	-22.52	74	41.23	31.67	8.12	29.54	379	37	P	H
		5051.22	41.24	-12.76	54	31.1	31.63	8.05	29.54	379	37	A	H
	*	5240	107.39	-	-	96.96	31.74	8.25	29.56	379	37	P	H
	*	5240	92.61	-	-	82.18	31.74	8.25	29.56	379	37	A	H
802.11ac		5442.92	50.09	-23.91	74	39.38	31.86	8.43	29.58	379	37	P	H
VHT20		5457.48	40.67	-13.33	54	29.92	31.87	8.47	29.59	379	37	A	H
CH 48		5049.92	51.01	-22.99	74	40.87	31.63	8.05	29.54	306	27	P	V
5240MHz		5061.88	41.22	-12.78	54	31.05	31.64	8.07	29.54	306	27	A	V
	*	5240	108.65	-	-	98.22	31.74	8.25	29.56	306	27	P	V
	*	5240	94.04	-	-	83.61	31.74	8.25	29.56	306	27	A	V
		5423.32	49.9	-24.1	74	39.26	31.85	8.37	29.58	306	27	P	V
		5452.72	40.98	-13.02	54	30.25	31.87	8.45	29.59	306	27	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	46.65	-21.55	68.2	51.51	39.76	12.34	56.96	100	0	P	H
		15540	45.89	-28.11	74	49.3	38.62	14.62	56.65	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	45.39	-22.81	68.2	50.25	39.76	12.34	56.96	100	0	P	V
5180MHz		15540	45.47	-28.53	74	48.88	38.62	14.62	56.65	100	0	P	V
													V
													V
		10440	47.4	-20.8	68.2	52.08	39.88	12.36	56.92	100	0	P	H
		15660	47.45	-26.55	74	50.96	38.33	14.67	56.51	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	47.42	-20.78	68.2	52.1	39.88	12.36	56.92	100	0	P	V
5220MHz		15660	48.98	-25.02	74	52.49	38.33	14.67	56.51	100	0	P	V
													V
													V
		10480	54.61	-13.59	68.2	59.18	39.97	12.37	56.91	100	0	P	H
		15720	48.6	-25.4	74	52.19	38.16	14.69	56.44	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	49.72	-18.48	68.2	54.29	39.97	12.37	56.91	100	0	P	V
5240MHz		15720	49.86	-24.14	74	53.45	38.16	14.69	56.44	100	0	P	V
													V
													V

Remark

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

Band 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)
		5147.94	59.03	-14.97	74	48.72	31.69	8.17	29.55	400	339	P	H
		5150	48.73	-5.27	54	38.41	31.69	8.18	29.55	400	339	A	H
	*	5190	104.95	-	-	94.56	31.71	8.23	29.55	400	339	P	H
	*	5190	96.42	-	-	86.03	31.71	8.23	29.55	400	339	A	H
802.11ac		5457.76	50.77	-23.23	74	40.02	31.87	8.47	29.59	400	339	P	H
VHT40		5459.16	40.61	-13.39	54	29.86	31.87	8.47	29.59	400	339	A	H
CH 38		5143.26	62.21	-11.79	74	51.9	31.69	8.17	29.55	400	35	P	V
5190MHz		5149.5	50.81	-3.19	54	40.49	31.69	8.18	29.55	400	35	A	V
	*	5190	109.8	-	-	99.41	31.71	8.23	29.55	400	35	P	V
	*	5190	100.65	-	-	90.26	31.71	8.23	29.55	400	35	A	V
		5446.56	51.46	-22.54	74	40.73	31.87	8.44	29.58	400	35	P	V
		5452.72	41.45	-12.55	54	30.72	31.87	8.45	29.59	400	35	A	V
		5116.22	51.24	-22.76	74	40.97	31.67	8.14	29.54	400	38	P	H
		5044.2	41.29	-12.71	54	31.15	31.63	8.05	29.54	400	38	A	H
	*	5230	103.22	-	-	92.79	31.74	8.25	29.56	400	38	P	H
	*	5230	95.24	-	-	84.81	31.74	8.25	29.56	400	38	A	H
802.11ac		5450.2	50.35	-23.65	74	39.62	31.87	8.45	29.59	400	38	P	H
VHT40		5459.44	40.84	-13.16	54	30.09	31.87	8.47	29.59	400	38	A	H
CH 46		5088.4	51.84	-22.16	74	41.63	31.65	8.1	29.54	295	356	P	V
5230MHz		5068.38	41.28	-12.72	54	31.1	31.64	8.08	29.54	295	356	A	V
	*	5230	104.96	-	-	94.53	31.74	8.25	29.56	295	356	P	V
	*	5230	96.16	-	-	85.73	31.74	8.25	29.56	295	356	A	V
		5415.76	50.4	-23.6	74	39.78	31.85	8.35	29.58	295	356	P	V
		5457.48	40.95	-13.05	54	30.2	31.87	8.47	29.59	295	356	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	47.08	-21.12	68.2	51.9	39.79	12.34	56.95	100	0	P	H
		15570	46.52	-27.48	74	49.99	38.53	14.62	56.62	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	47.02	-21.18	68.2	51.84	39.79	12.34	56.95	100	0	P	V
5190MHz		15570	46.38	-27.62	74	49.85	38.53	14.62	56.62	100	0	P	V
													V
													V
		10460	47.56	-20.64	68.2	52.2	39.91	12.37	56.92	100	0	P	H
		15690	47.32	-26.68	74	50.88	38.24	14.67	56.47	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	47.1	-21.1	68.2	51.74	39.91	12.37	56.92	100	0	P	V
5230MHz		15690	47.34	-26.66	74	50.9	38.24	14.67	56.47	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5147.16	55.96	-18.04	74	45.65	31.69	8.17	29.55	295	31	P	H
		5150	46.48	-7.52	54	36.16	31.69	8.18	29.55	295	31	A	H
	*	5210	101.7	-	-	91.29	31.73	8.24	29.56	295	31	P	H
	*	5210	92.73	-	-	82.32	31.73	8.24	29.56	295	31	A	H
		5376.56	49.2	-24.8	74	38.66	31.82	8.3	29.58	295	31	P	H
		5453	40.78	-13.22	54	30.05	31.87	8.45	29.59	295	31	A	H
		5146.38	59.5	-14.5	74	49.19	31.69	8.17	29.55	356	47	P	V
		5150	49.15	-4.85	54	38.83	31.69	8.18	29.55	356	47	A	V
	*	5210	106.56	-	-	96.15	31.73	8.24	29.56	356	47	P	V
	*	5210	96.88	-	-	86.47	31.73	8.24	29.56	356	47	A	V
		5427.24	51.62	-22.38	74	40.97	31.85	8.38	29.58	356	47	P	V
		5376	42.54	-11.46	54	32	31.82	8.3	29.58	356	47	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.47	-21.73	68.2	51.19	39.85	12.36	56.93	100	0	P	H
		15630	45.59	-28.41	74	49.11	38.37	14.65	56.54	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	46.53	-21.67	68.2	51.25	39.85	12.36	56.93	100	0	P	V
5210MHz		15630	45.88	-28.12	74	49.4	38.37	14.65	56.54	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)
		5106.42	51.51	-22.49	74	41.26	31.67	8.12	29.54	376	36	P	H
		5043.52	41.24	-12.76	54	31.11	31.63	8.04	29.54	376	36	A	H
	*	5260	105.95	-	-	95.49	31.76	8.26	29.56	376	36	P	H
	*	5260	91.69	-	-	81.23	31.76	8.26	29.56	376	36	A	H
802.11ac		5374.32	50.03	-23.97	74	39.49	31.82	8.3	29.58	376	36	P	H
VHT20		5459.52	40.67	-13.33	54	29.92	31.87	8.47	29.59	376	36	A	H
CH 52		5034.68	51.88	-22.12	74	41.76	31.62	8.03	29.53	318	27	P	V
5260MHz		5057.8	41.21	-12.79	54	31.05	31.64	8.06	29.54	318	27	A	V
	*	5260	109.64	-	-	99.18	31.76	8.26	29.56	318	27	P	V
	*	5260	94.85	-	-	84.39	31.76	8.26	29.56	318	27	A	V
		5398.56	51.13	-22.87	74	40.56	31.84	8.31	29.58	318	27	P	V
		5452.8	41.32	-12.68	54	30.59	31.87	8.45	29.59	318	27	A	V
		5066.98	52.5	-21.5	74	42.33	31.64	8.07	29.54	390	36	P	H
		5041.14	41.23	-12.77	54	31.09	31.63	8.04	29.53	390	36	A	H
	*	5300	106.21	-	-	95.73	31.78	8.27	29.57	390	36	P	H
	*	5300	92.21	-	-	81.73	31.78	8.27	29.57	390	36	A	H
802.11ac		5444.88	50.28	-23.72	74	39.57	31.86	8.43	29.58	390	36	P	H
VHT20		5459.52	40.66	-13.34	54	29.91	31.87	8.47	29.59	390	36	A	H
CH 60		5069.36	51.84	-22.16	74	41.66	31.64	8.08	29.54	318	28	P	V
5300MHz		5052.7	41.23	-12.77	54	31.08	31.63	8.06	29.54	318	28	A	V
	*	5300	106.49	-	-	96.01	31.78	8.27	29.57	318	28	P	V
	*	5300	94.94	-	-	84.46	31.78	8.27	29.57	318	28	A	V
		5368.8	50.45	-23.55	74	39.9	31.82	8.3	29.57	318	28	P	V
		5452.8	41.24	-12.76	54	30.51	31.87	8.45	29.59	318	28	A	V

	*	5320	109.36	-	-	98.86	31.79	8.28	29.57	400	57	P	H
	*	5320	95.51	-	-	85.01	31.79	8.28	29.57	400	57	A	H
		5372.32	54.8	-19.2	74	44.25	31.82	8.3	29.57	400	57	P	H
		5355.52	41.48	-12.52	54	30.95	31.81	8.29	29.57	400	57	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	113.46	-	-	102.96	31.79	8.28	29.57	399	42	P	V
5320MHz	*	5320	99.59	-	-	89.09	31.79	8.28	29.57	399	42	A	V
		5354.08	65.15	-8.85	74	54.62	31.81	8.29	29.57	399	42	P	V
		5352	43.18	-10.82	54	32.65	31.81	8.29	29.57	399	42	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	48.17	-20.03	68.2	52.64	40.02	12.39	56.88	100	0	P	H
		15780	44.6	-29.4	74	48.2	38.04	14.72	56.36	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	46.63	-21.57	68.2	51.1	40.02	12.39	56.88	100	0	P	V
5260MHz		15780	44.1	-29.9	74	47.7	38.04	14.72	56.36			P	V
													V
													V
		10600	47.56	-26.44	74	51.87	40.1	12.41	56.82	100	0	P	H
		15900	43.75	-30.25	74	47.45	37.75	14.77	56.22	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	46.52	-27.48	74	50.83	40.1	12.41	56.82	100	0	P	V
5300MHz		15900	44.59	-29.41	74	48.29	37.75	14.77	56.22	100	0	P	V
													V
													V
		10640	47.87	-26.13	74	52.11	40.14	12.41	56.79	100	0	P	H
		15960	47.11	-26.89	74	50.89	37.58	14.79	56.15	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	47.25	-26.75	74	51.49	40.14	12.41	56.79	100	0	P	V
5320MHz		15960	49.38	-24.62	74	53.16	37.58	14.79	56.15	100	0	P	V
													V
													V

Remark

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

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)
		5075.48	52.41	-21.59	74	42.22	31.65	8.08	29.54	398	37	P	H
		5054.06	41.29	-12.71	54	31.14	31.63	8.06	29.54	398	37	A	H
	*	5270	103.86	-	-	93.4	31.76	8.26	29.56	398	37	P	H
	*	5270	95.28	-	-	84.82	31.76	8.26	29.56	398	37	A	H
802.11ac		5352	49.69	-24.31	74	39.16	31.81	8.29	29.57	398	37	P	H
VHT40		5457.6	40.88	-13.12	54	30.13	31.87	8.47	29.59	398	37	A	H
CH 54		5047.26	51.42	-22.58	74	41.28	31.63	8.05	29.54	306	344	P	V
5270MHz		5049.98	41.28	-12.72	54	31.14	31.63	8.05	29.54	306	344	A	V
	*	5270	104.68	-	-	94.22	31.76	8.26	29.56	306	344	P	V
	*	5270	96.5	-	-	86.04	31.76	8.26	29.56	306	344	A	V
		5366.64	50.71	-23.29	74	40.16	31.82	8.3	29.57	306	344	P	V
		5350.32	41.94	-12.06	54	31.41	31.81	8.29	29.57	306	344	A	V
		5109.14	51.24	-22.76	74	40.98	31.67	8.13	29.54	295	272	P	H
		5060.18	41.29	-12.71	54	31.12	31.64	8.07	29.54	295	272	A	H
	*	5310	104.48	-	-	93.98	31.79	8.28	29.57	295	272	P	H
	*	5310	94.85	-	-	84.35	31.79	8.28	29.57	295	272	A	H
802.11ac		5352.96	57.4	-16.6	74	46.87	31.81	8.29	29.57	295	272	P	H
VHT40		5350.56	47.51	-6.49	54	36.98	31.81	8.29	29.57	295	272	A	H
CH 62		5127.16	52.56	-21.44	74	42.28	31.68	8.15	29.55	343	45	P	V
5310MHz		5145.52	41.67	-12.33	54	31.36	31.69	8.17	29.55	343	45	A	V
	*	5310	110.05	-	-	99.55	31.79	8.28	29.57	343	45	P	V
	*	5310	99.75	-	-	89.25	31.79	8.28	29.57	343	45	A	V
		5350.08	62.03	-11.97	74	51.5	31.81	8.29	29.57	343	45	P	V
		5350.08	51.46	-2.54	54	40.93	31.81	8.29	29.57	343	45	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	50.32	-17.88	68.2	54.77	40.03	12.39	56.87	100	0	P	H
		15810	48.3	-25.7	74	51.94	37.96	14.73	56.33	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	48.29	-19.91	68.2	52.74	40.03	12.39	56.87	100	0	P	V
5270MHz		15810	54.45	-19.55	74	58.09	37.96	14.73	56.33	155	317	P	V
		15810	45.38	-8.62	54	49.02	37.96	14.73	56.33	155	317	A	V
													V
		10620	47.48	-26.52	74	51.75	40.12	12.41	56.8	100	0	P	H
		15930	46.65	-27.35	74	50.38	37.67	14.78	56.18	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	47.33	-26.67	74	51.6	40.12	12.41	56.8	100	0	P	V
5310MHz		15930	47.07	-26.93	74	50.8	37.67	14.78	56.18	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5024.48	51.9	-22.1	74	41.79	31.62	8.02	29.53	298	270	P	H
		5081.6	41.3	-12.7	54	31.1	31.65	8.09	29.54	298	270	A	H
	*	5290	98.68	-	-	88.2	31.77	8.27	29.56	298	270	P	H
	*	5290	89.41	-	-	78.93	31.77	8.27	29.56	298	270	A	H
		5354.64	54.89	-19.11	74	44.36	31.81	8.29	29.57	298	270	P	H
		5354.88	46.96	-7.04	54	36.43	31.81	8.29	29.57	298	270	A	H
		5086.02	51.45	-22.55	74	41.24	31.65	8.1	29.54	348	44	P	V
		5145.52	41.89	-12.11	54	31.58	31.69	8.17	29.55	348	44	A	V
	*	5290	105.04	-	-	94.56	31.77	8.27	29.56	348	44	P	V
	*	5290	95.21	-	-	84.73	31.77	8.27	29.56	348	44	A	V
		5352.72	61.6	-12.4	74	51.07	31.81	8.29	29.57	348	44	P	V
		5350.08	50.6	-3.4	54	40.07	31.81	8.29	29.57	348	44	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	47.55	-20.65	68.2	51.9	40.09	12.4	56.84	100	0	P	H
		15870	44.91	-29.09	74	48.63	37.79	14.75	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.9	-21.3	68.2	51.25	40.09	12.4	56.84	100	0	P	V
5290MHz		15870	45.52	-28.48	74	49.24	37.79	14.75	56.26	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5447.6	51.27	-22.73	74	40.54	31.87	8.44	29.58	261	65	P	H
		5467.28	53.33	-14.87	68.2	42.55	31.88	8.49	29.59	261	65	P	H
		5460	41.14	-12.86	54	30.39	31.87	8.47	29.59	261	65	A	H
	*	5500	105.53	-	-	94.64	31.9	8.58	29.59	261	65	P	H
802.11ac	*	5500	91.76	-	-	80.87	31.9	8.58	29.59	261	65	A	H
VHT20													H
CH 100		5441.04	54.36	-19.64	74	43.66	31.86	8.42	29.58	207	315	P	V
5500MHz		5462.96	53.83	-14.37	68.2	43.06	31.88	8.48	29.59	207	315	P	V
		5459.92	41.87	-12.13	54	31.12	31.87	8.47	29.59	207	315	A	V
	*	5500	110.22	-	-	99.33	31.9	8.58	29.59	207	315	P	V
	*	5500	96.29	-	-	85.4	31.9	8.58	29.59	207	315	A	V
													V
		5459.2	49.72	-24.28	74	38.97	31.87	8.47	29.59	203	53	P	H
		5467.12	48.84	-19.36	68.2	38.06	31.88	8.49	29.59	203	53	P	H
		5458.96	40.68	-13.32	54	29.93	31.87	8.47	29.59	203	53	A	H
	*	5580	104.91	-	-	93.74	32	8.8	29.63	203	53	P	H
802.11ac	*	5580	90.8	-	-	79.63	32	8.8	29.63	203	53	A	H
VHT20		5752.4	50.69	-17.51	68.2	39.31	32.26	8.81	29.69	203	53	P	H
CH 116		5427.76	49.29	-24.71	74	38.64	31.85	8.38	29.58	316	27	P	V
5580MHz		5470	49.83	-18.37	68.2	39.04	31.88	8.5	29.59	316	27	P	V
		5452.72	41.13	-12.87	54	30.4	31.87	8.45	29.59	316	27	A	V
	*	5580	108.73	-	-	97.56	32	8.8	29.63	316	27	P	V
	*	5580	100.36	-	-	89.19	32	8.8	29.63	316	27	A	V
		5763.11	50.38	-17.82	68.2	39.02	32.26	8.81	29.71	316	27	P	V

	*	5700	107.69	-	-	96.36	32.17	8.83	29.67	400	277	P	H
	*	5700	92.97	-	-	81.64	32.17	8.83	29.67	400	277	A	H
		5726.76	53.57	-14.63	68.2	42.22	32.21	8.82	29.68	400	277	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	111.21	-	-	99.88	32.17	8.83	29.67	400	28	P	V
5700MHz	*	5700	96.74	-	-	85.41	32.17	8.83	29.67	400	28	A	V
		5729.16	64.18	-4.02	68.2	52.83	32.21	8.82	29.68	400	28	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	48.6	-25.4	74	52.09	40.5	12.51	56.5	100	0	P	H
		16500	46.9	-21.3	68.2	48.28	39.4	14.92	55.7	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	47.57	-26.43	74	51.06	40.5	12.51	56.5	100	0	P	V
5500MHz		16500	46.64	-21.56	68.2	48.02	39.4	14.92	55.7	100	0	P	V
													V
													V
		11160	50.06	-23.94	74	53.61	40.3	12.59	56.44	100	0	P	H
		16740	45.32	-22.88	68.2	46.56	39.69	14.96	55.89	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	50.31	-23.69	74	53.86	40.3	12.59	56.44	100	0	P	V
5580MHz		16740	45.69	-22.51	68.2	46.93	39.69	14.96	55.89	100	0	P	V
													V
													V
		11400	47.16	-26.84	74	50.77	40.02	12.71	56.34	100	0	P	H
		17100	48.26	-19.94	68.2	49.14	40.36	15.06	56.3	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	47.54	-26.46	74	51.15	40.02	12.71	56.34	100	0	P	V
5700MHz		17100	48.05	-20.15	68.2	48.93	40.36	15.06	56.3	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.2	52.27	-21.73	74	41.52	31.87	8.47	29.59	394	279	P	H
		5470	54.19	-14.01	68.2	43.4	31.88	8.5	29.59	394	279	P	H
		5459.2	42.16	-11.84	54	31.41	31.87	8.47	29.59	394	279	A	H
	*	5510	104.84	-	-	93.93	31.9	8.61	29.6	394	279	P	H
802.11ac	*	5510	94.06	-	-	83.15	31.9	8.61	29.6	394	279	A	H
VHT40		5739.8	50.89	-17.31	68.2	39.52	32.24	8.82	29.69	394	279	P	H
CH 102		5445.52	55.13	-18.87	74	44.41	31.87	8.43	29.58	396	335	P	V
5510MHz		5467.12	59.3	-8.9	68.2	48.52	31.88	8.49	29.59	396	335	P	V
		5459.68	43.69	-10.31	54	32.94	31.87	8.47	29.59	396	335	A	V
	*	5510	109.1	-	-	98.19	31.9	8.61	29.6	396	335	P	V
	*	5510	100.71	-	-	89.8	31.9	8.61	29.6	396	335	A	V
		5760.905	51.96	-16.24	68.2	40.6	32.26	8.81	29.71	396	335	P	V
		5448.16	52.17	-21.83	74	41.44	31.87	8.44	29.58	118	306	P	H
		5465.92	54.36	-13.84	68.2	43.58	31.88	8.49	29.59	118	306	P	H
		5459.92	43.29	-10.71	54	32.54	31.87	8.47	29.59	118	306	A	H
	*	5550	109.53	-	-	98.45	31.97	8.72	29.61	118	306	P	H
802.11ac	*	5550	100.26	-	-	89.18	31.97	8.72	29.61	118	306	A	H
VHT40		5736.335	52.62	-15.58	68.2	41.25	32.24	8.82	29.69	118	306	P	H
CH 110		5439.28	51.52	-22.48	74	40.82	31.86	8.42	29.58	304	25	P	V
5550MHz		5464.24	53.17	-15.03	68.2	42.4	31.88	8.48	29.59	304	25	P	V
		5459.44	43.25	-10.75	54	32.5	31.87	8.47	29.59	304	25	A	V
	*	5550	112.4	-	-	101.32	31.97	8.72	29.61	304	25	P	V
	*	5550	103.06	-	-	91.98	31.97	8.72	29.61	304	25	A	V
		5738.54	51.22	-16.98	68.2	39.85	32.24	8.82	29.69	304	25	P	V

		5420.7	50.55	-23.45	74	39.91	31.85	8.37	29.58	371	286	P	H
		5468.65	50.66	-17.54	68.2	39.87	31.88	8.5	29.59	371	286	P	H
		5459.2	40.79	-13.21	54	30.04	31.87	8.47	29.59	371	286	A	H
	*	5670	106.21	-	-	94.9	32.14	8.83	29.66	371	286	P	H
802.11ac	*	5670	96.57	-	-	85.26	32.14	8.83	29.66	371	286	A	H
VHT40		5725.31	53.36	-14.84	68.2	42.01	32.21	8.82	29.68	371	286	P	H
CH 134		5424.2	50.42	-23.58	74	39.77	31.85	8.38	29.58	337	26	P	V
5670MHz		5466.9	50.16	-18.04	68.2	39.38	31.88	8.49	29.59	337	26	P	V
		5452.9	40.96	-13.04	54	30.23	31.87	8.45	29.59	337	26	A	V
	*	5670	109.01	-	-	97.7	32.14	8.83	29.66	337	26	P	V
	*	5670	100.08	-	-	88.77	32.14	8.83	29.66	337	26	A	V
		5729.09	59.72	-8.48	68.2	48.37	32.21	8.82	29.68	337	26	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	47.53	-26.47	74	51.02	40.48	12.52	56.49	100	0	P	H
		16530	46.98	-21.22	68.2	48.34	39.44	14.92	55.72	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	46.8	-27.2	74	50.29	40.48	12.52	56.49	100	0	P	V
5510MHz		16530	46.81	-21.39	68.2	48.17	39.44	14.92	55.72	100	0	P	V
													V
													V
		11100	53.4	-20.6	74	56.92	40.38	12.56	56.46	202	297	P	H
		11100	43.86	-10.14	54	47.38	40.38	12.56	56.46	202	297	A	H
802.11ac		16650	46.43	-21.77	68.2	47.71	39.59	14.95	55.82	100	0	P	H
VHT40													H
CH 110		11100	49.94	-24.06	74	53.46	40.38	12.56	56.46	100	0	P	V
5550MHz		16650	46.07	-22.13	68.2	47.35	39.59	14.95	55.82	100	0	P	V
													V
													V
		11340	45.91	-28.09	74	49.49	40.1	12.68	56.36	100	0	P	H
		17010	47.82	-20.38	68.2	48.87	40.06	15.01	56.12	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	46.47	-27.53	74	50.05	40.1	12.68	56.36	100	0	P	V
5670MHz		17010	47.92	-20.28	68.2	48.97	40.06	15.01	56.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.52	51.62	-22.38	74	40.87	31.87	8.47	29.59	286	293	P	H
		5464.72	51.58	-16.62	68.2	40.81	31.88	8.48	29.59	286	293	P	H
		5458.96	42	-12	54	31.25	31.87	8.47	29.59	286	293	A	H
	*	5530	101.28	-	-	90.31	31.92	8.66	29.61	286	293	P	H
802.11ac	*	5530	91.13	-	-	80.16	31.92	8.66	29.61	286	293	A	H
VHT80		5735.39	51.04	-17.16	68.2	39.67	32.24	8.82	29.69	286	293	P	H
CH 106		5458.96	56.48	-17.52	74	45.73	31.87	8.47	29.59	207	316	P	V
5530MHz		5467.12	59.34	-8.86	68.2	48.56	31.88	8.49	29.59	207	316	P	V
		5458.48	45.57	-8.43	54	34.82	31.87	8.47	29.59	207	316	A	V
	*	5530	107.71	-	-	96.74	31.92	8.66	29.61	207	316	P	V
	*	5530	96.49	-	-	85.52	31.92	8.66	29.61	207	316	A	V
		5756.18	51.5	-16.7	68.2	40.14	32.26	8.81	29.71	207	316	P	V
		5459.68	50.56	-23.44	74	39.81	31.87	8.47	29.59	296	284	P	H
		5465.68	50.83	-17.37	68.2	40.05	31.88	8.49	29.59	296	284	P	H
		5459.92	40.44	-13.56	54	29.69	31.87	8.47	29.59	296	284	A	H
	*	5610	103.45	-	-	92.2	32.04	8.85	29.64	296	284	P	H
802.11ac	*	5610	92.79	-	-	81.54	32.04	8.85	29.64	296	284	A	H
VHT80		5753.03	52.05	-16.15	68.2	40.67	32.26	8.81	29.69	296	284	P	H
CH 122		5441.68	50.37	-23.63	74	39.67	31.86	8.42	29.58	211	315	P	V
5610MHz		5464	50.32	-17.88	68.2	39.55	31.88	8.48	29.59	211	315	P	V
		5452.72	41.77	-12.23	54	31.04	31.87	8.45	29.59	211	315	A	V
	*	5610	106.65	-	-	95.4	32.04	8.85	29.64	211	315	P	V
	*	5610	96.95	-	-	85.7	32.04	8.85	29.64	211	315	A	V
		5736.65	50.43	-17.77	68.2	39.06	32.24	8.82	29.69	211	315	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	46.33	-27.67	74	49.85	40.42	12.54	56.48	100	0	P	H
		16590	46.09	-22.11	68.2	47.43	39.5	14.93	55.77	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	45.82	-28.18	74	49.34	40.42	12.54	56.48	100	0	P	V
5530MHz		16590	46.35	-21.85	68.2	47.69	39.5	14.93	55.77	100	0	P	V
													V
													V
		11220	46.61	-27.39	74	50.16	40.24	12.62	56.41	100	0	P	H
		16830	48.6	-19.6	68.2	49.79	39.79	14.98	55.96	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	46.33	-27.67	74	49.88	40.24	12.62	56.41	100	0	P	V
5610MHz		16830	47.32	-20.88	68.2	48.51	39.79	14.98	55.96	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	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)
		5435.8	50.8	-23.2	74	40.11	31.86	8.41	29.58	266	56	P	H
		5465.83	50.09	-18.11	68.2	39.31	31.88	8.49	29.59	266	56	P	H
		5459.59	40.83	-13.17	54	30.08	31.87	8.47	29.59	266	56	A	H
	*	5720	104.26	-	-	92.91	32.21	8.82	29.68	266	56	P	H
802.11ac	*	5720	90.7	-	-	79.35	32.21	8.82	29.68	266	56	A	H
VHT20		5862.75	52.34	-15.86	68.2	40.82	32.41	8.86	29.75	266	56	P	H
CH 144		5386.27	50.72	-23.28	74	40.16	31.83	8.31	29.58	334	25	P	V
5720MHz		5468.95	50.97	-17.23	68.2	40.18	31.88	8.5	29.59	334	25	P	V
		5452.57	41.03	-12.97	54	30.3	31.87	8.45	29.59	334	25	A	V
	*	5720	110.97	-	-	99.62	32.21	8.82	29.68	334	25	P	V
	*	5720	96.85	-	-	85.5	32.21	8.82	29.68	334	25	A	V
		5851	52.48	-15.72	68.2	40.99	32.38	8.85	29.74	334	25	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	46.29	-27.71	74	49.91	39.98	12.72	56.32	100	0	P	H
		17160	48.77	-19.43	68.2	49.52	40.6	15.07	56.42	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	46.97	-27.03	74	50.59	39.98	12.72	56.32	100	0	P	V
5720MHz		17160	49.29	-18.91	68.2	50.04	40.6	15.07	56.42	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		5450.23	47.93	-26.07	74	39.43	31.87	6.17	29.54	136	331	P	H
		5468.95	47.59	-20.61	68.2	39.06	31.88	6.19	29.54	136	331	P	H
		5452.57	38.67	-15.33	54	30.17	31.87	6.17	29.54	136	331	A	H
	*	5710	104.39	-	-	95.39	32.19	6.36	29.55	136	331	P	H
	*	5710	95.62	-	-	86.62	32.19	6.36	29.55	136	331	A	H
		5873.5	49.93	-18.27	68.2	40.6	32.43	6.46	29.56	136	331	P	H
		5450.62	49.4	-24.6	74	40.9	31.87	6.17	29.54	112	0	P	V
		5461.15	48.44	-19.76	68.2	39.93	31.87	6.18	29.54	112	0	P	V
		5452.57	40.02	-13.98	54	31.52	31.87	6.17	29.54	112	0	A	V
	*	5710	110.3	-	-	101.3	32.19	6.36	29.55	112	0	P	V
	*	5710	101.27	-	-	92.27	32.19	6.36	29.55	112	0	A	V
		5897	51.15	-17.05	68.2	41.77	32.46	6.48	29.56	112	0	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	47.45	-26.55	74	53.36	40	10.42	56.33	100	0	P	H
		17130	49.49	-18.71	68.2	52.53	40.48	12.84	56.36	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	49.53	-24.47	74	55.44	40	10.42	56.33	100	0	P	V
5710MHz		17130	48.62	-19.58	68.2	51.66	40.48	12.84	56.36	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		5437.36	49.77	-24.23	74	39.08	31.86	8.41	29.58	341	296	P	H
		5465.83	49.45	-18.75	68.2	38.67	31.88	8.49	29.59	341	296	P	H
		5459.2	40.85	-13.15	54	30.1	31.87	8.47	29.59	341	296	A	H
	*	5690	96.85	-	-	85.52	32.17	8.83	29.67	341	296	P	H
	*	5690	86.25	-	-	74.92	32.17	8.83	29.67	341	296	A	H
		5863	53.68	-14.52	68.2	42.16	32.41	8.86	29.75	341	296	P	H
		5401.87	50.49	-23.51	74	39.91	31.84	8.32	29.58	100	355	P	V
		5469.34	49.34	-18.86	68.2	38.55	31.88	8.5	29.59	100	355	P	V
		5452.96	41.13	-12.87	54	30.4	31.87	8.45	29.59	100	355	A	V
	*	5690	103.91	-	-	92.58	32.17	8.83	29.67	100	355	P	V
	*	5690	93.59	-	-	82.26	32.17	8.83	29.67	100	355	A	V
		5940.4	52.8	-15.4	68.2	41.12	32.53	8.93	29.78	100	355	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	47.15	-26.85	74	50.76	40.04	12.18	56.35	100	0	P	H
		17070	47.84	-20.36	68.2	48.8	40.24	14.39	56.24	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	47.07	-26.93	74	50.68	40.04	12.18	56.35	100	0	P	V
5690MHz		17070	47.67	-20.53	68.2	48.63	40.24	14.39	56.24	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 LF		45.12	36.61	-3.39	40	51.31	16.69	0.87	32.29	100	0	P	H
		111.81	36.27	-7.23	43.5	50.19	16.91	1.28	32.2	-	-	P	H
		136.11	36.55	-6.95	43.5	49.93	17.37	1.39	32.18	-	-	P	H
		726.3	32.84	-13.16	46	34.34	27.35	3.09	32.04	-	-	P	H
		909.7	33.23	-12.77	46	31.8	29.17	3.47	31.33	-	-	P	H
		945.4	33.59	-12.41	46	30.54	30.37	3.56	31.02	-	-	P	H
													H
													H
													H
													H
													H
													H
		40.26	33.6	-6.4	40	45.97	19.07	0.84	32.29	100	0	P	V
		64.56	30.71	-9.29	40	50.12	11.76	1.03	32.27	-	-	P	V
		136.65	28.6	-14.9	43.5	41.99	17.36	1.39	32.18	-	-	P	V
		717.2	31.31	-14.69	46	33.17	27.03	3.07	32.06	-	-	P	V
		797	35.14	-10.86	46	35.6	28.04	3.28	31.9	-	-	P	V
		888	35.03	-10.97	46	33.9	29.06	3.43	31.47	-	-	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 Plots

Test Engineer :	Alex Jheng, Fu Chen, and Wilson Wu	**Temperature :**	24.5~25.3°C
		Relative Humidity :	49~53%

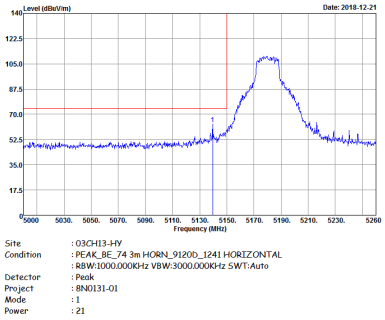
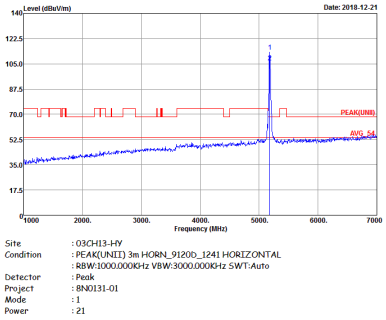
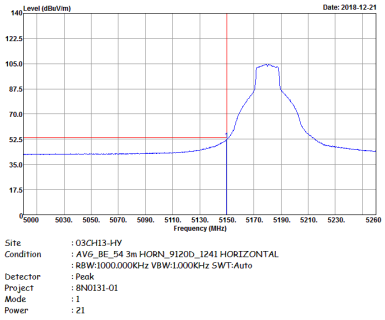
Note symbol

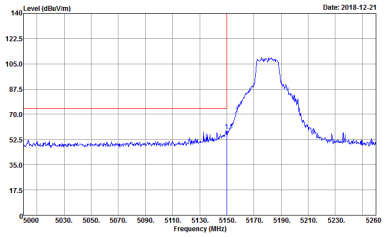
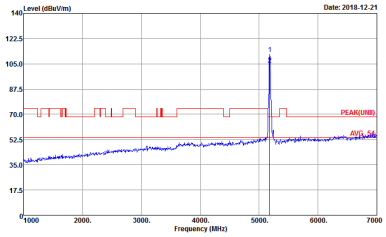
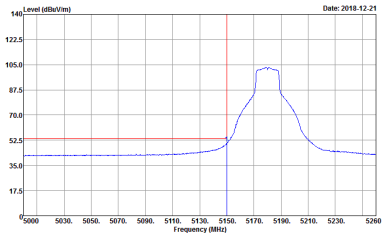
-L	**Low channel location**
-R	**High channel location**

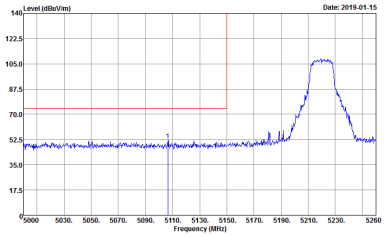
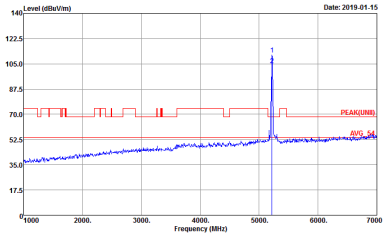
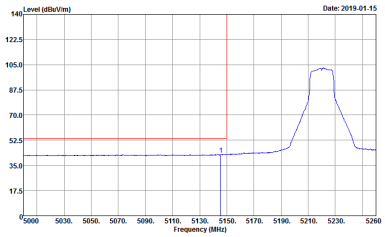
<CDD Mode>

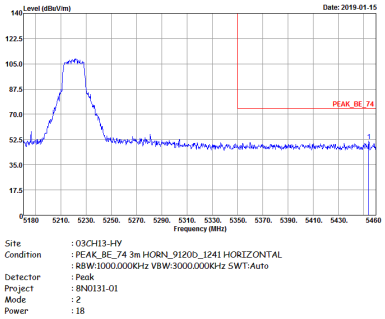
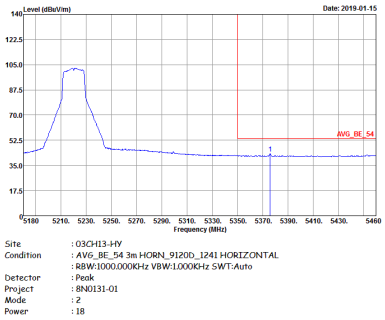
Band 1 - 5150~5250MHz

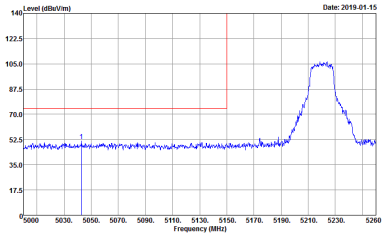
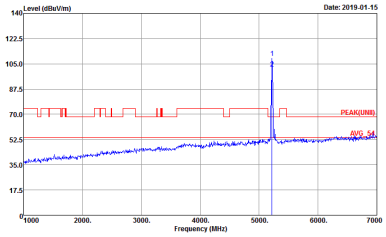
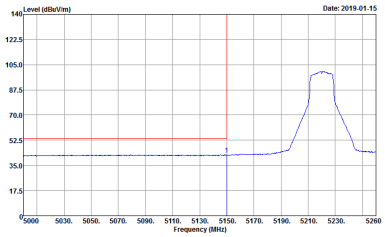
WIFI 802.11a (Band Edge @ 3m)

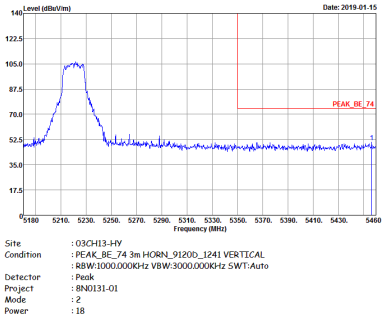
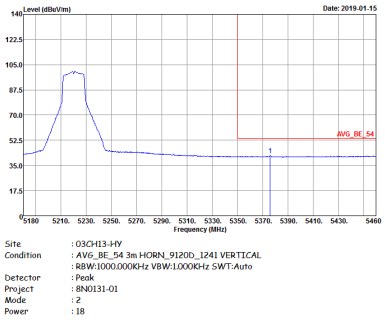
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

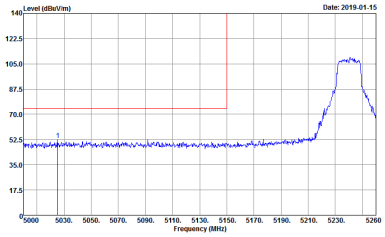
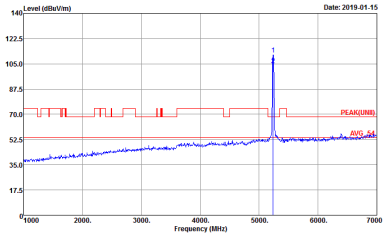
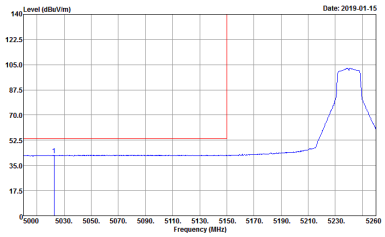
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 1 Power : 21	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 1 Power : 21
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 1 Power : 21	Left blank

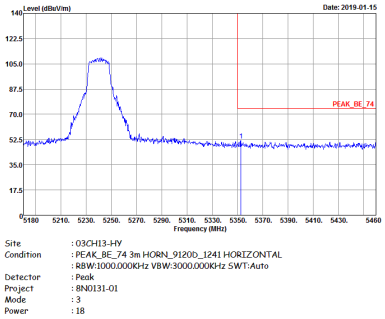
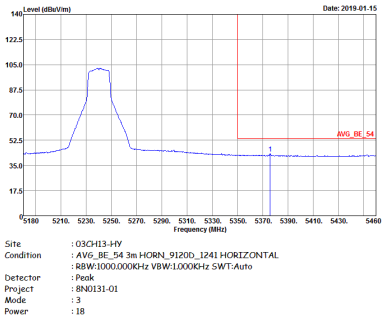
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 2 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 2 Power : 18
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 2 Power : 18	Left blank

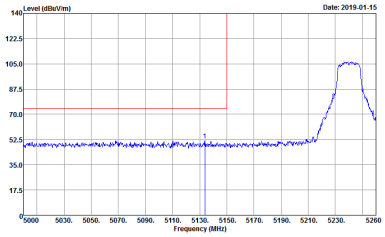
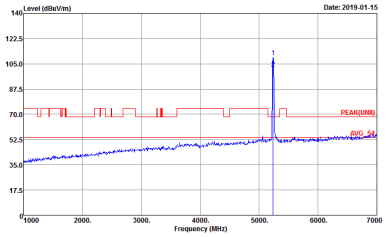
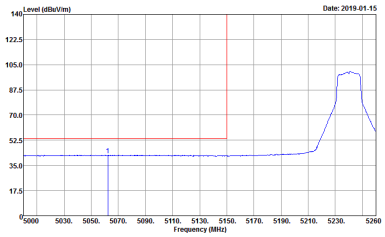
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 2 Power : 18	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 2 Power : 18	Left blank

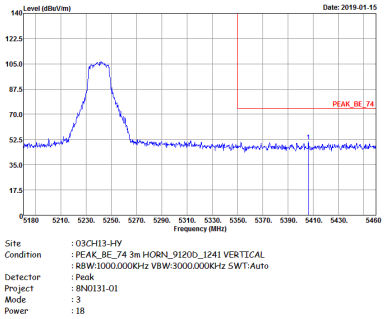
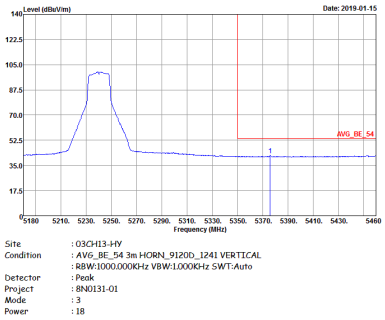
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 2 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 2 Power : 18
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 2 Power : 18	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 2 Power : 18	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 2 Power : 18	Left blank

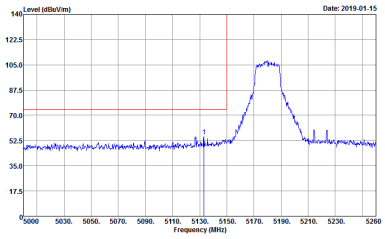
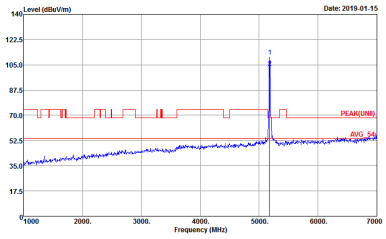
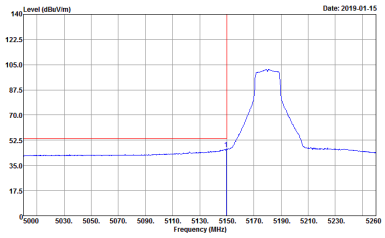
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 3 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 3 Power : 18
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 3 Power : 18	Left blank

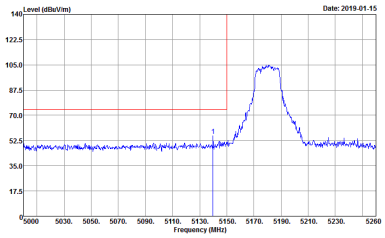
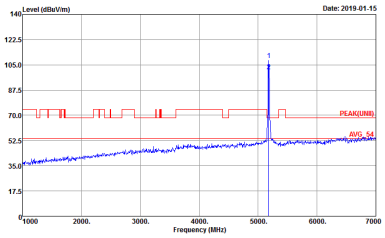
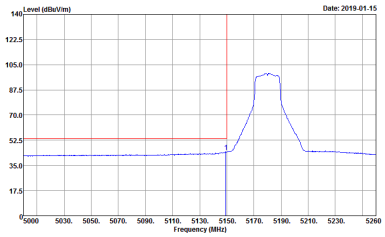
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 3 Power : 18	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 3 Power : 18	Left blank

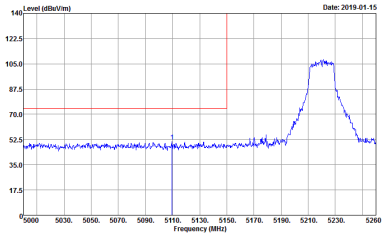
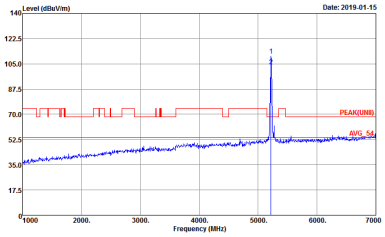
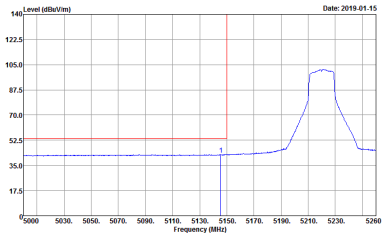
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 3 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 3 Power : 18
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 3 Power : 18	Left blank

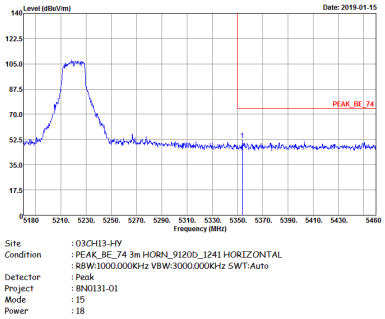
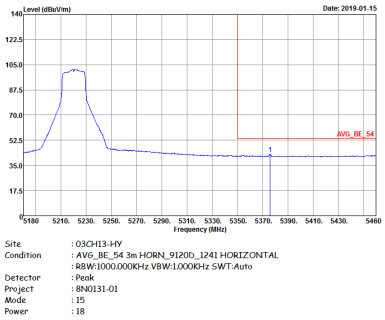
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 3 Power : 18	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 3 Power : 18	Left blank

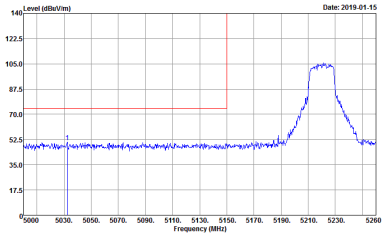
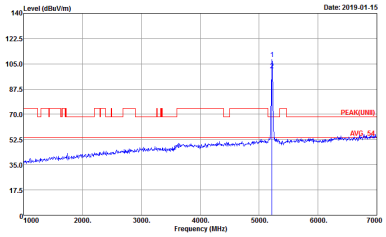
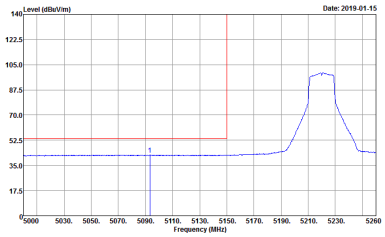
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

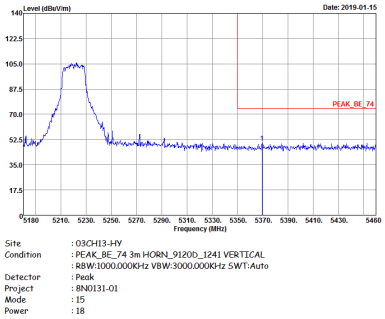
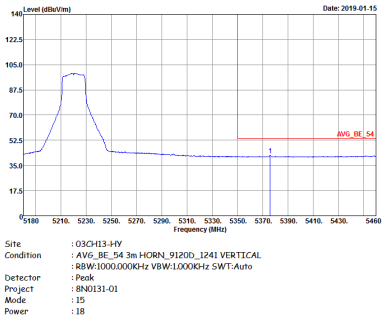
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

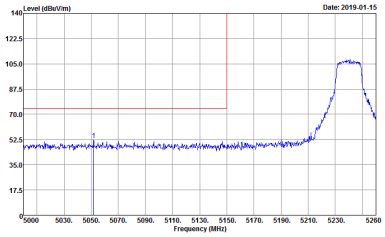
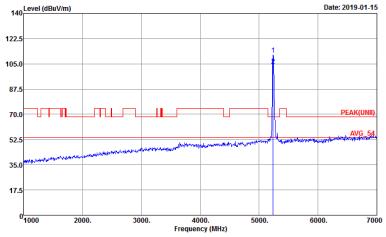
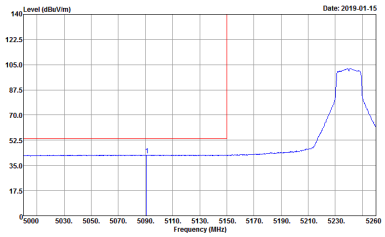
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 14 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 14 Power : 18
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 14 Power : 18	Left blank

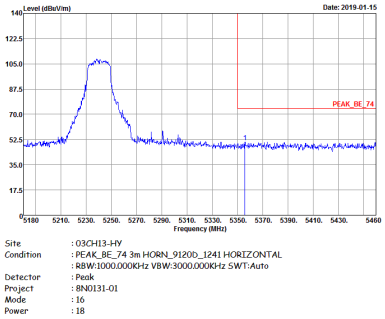
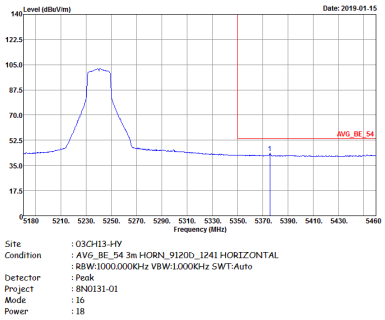
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 15 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 15 Power : 18
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 15 Power : 18	Left blank

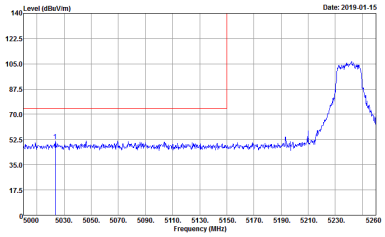
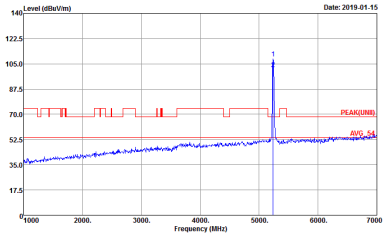
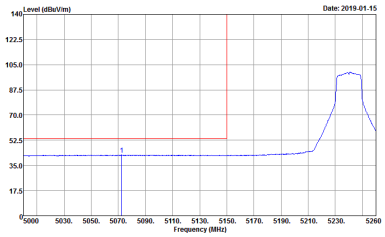
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

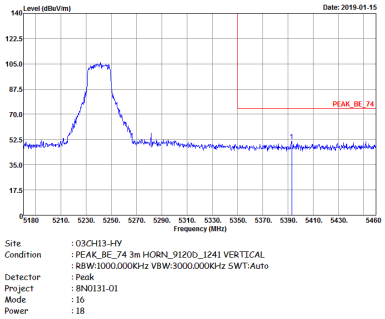
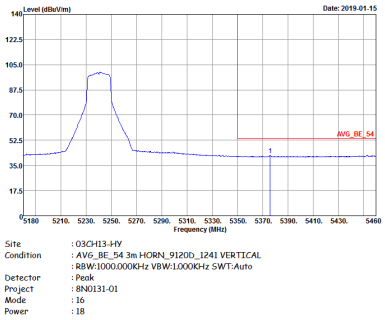
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 15 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 15 Power : 18
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 15 Power : 18	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 15 Power : 18	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 15 Power : 18	Left blank

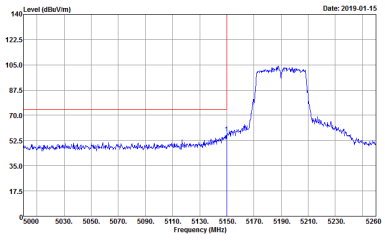
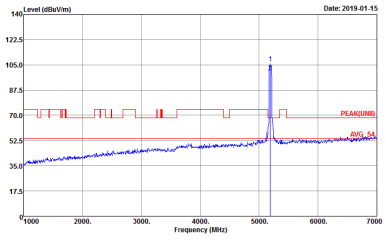
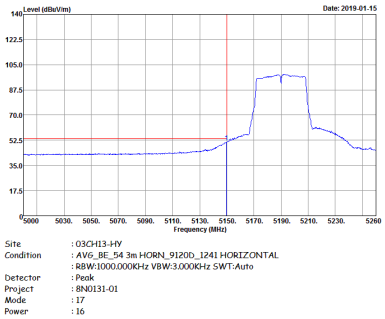
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 16 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 16 Power : 18
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 16 Power : 18	Left blank

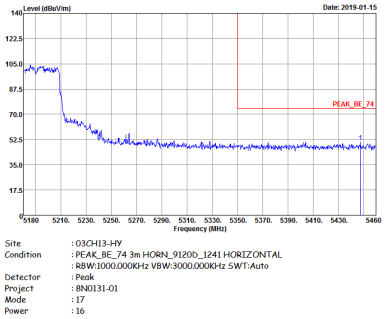
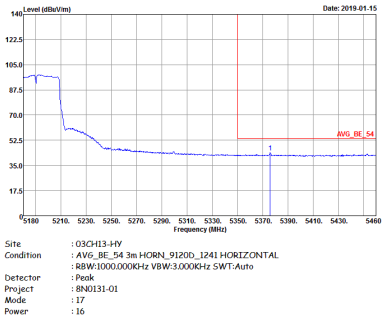
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

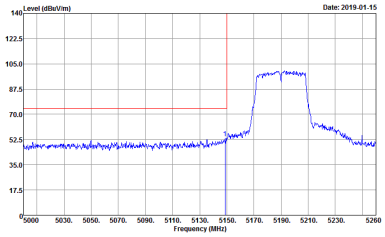
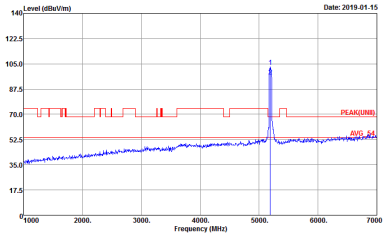
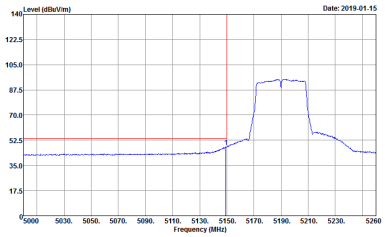
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 16 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 16 Power : 18
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 16 Power : 18	Left blank

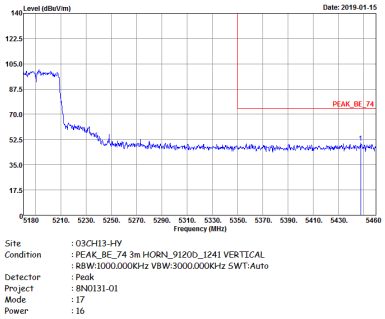
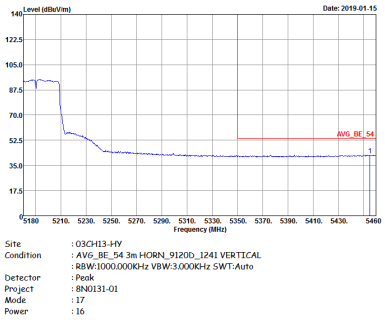
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

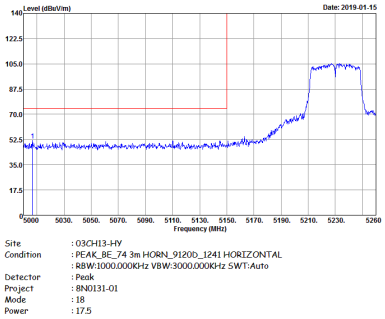
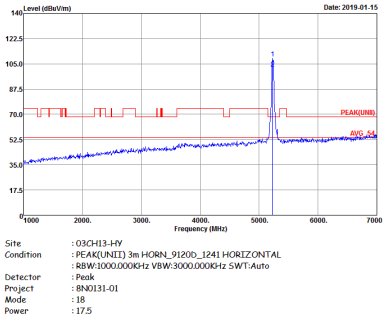
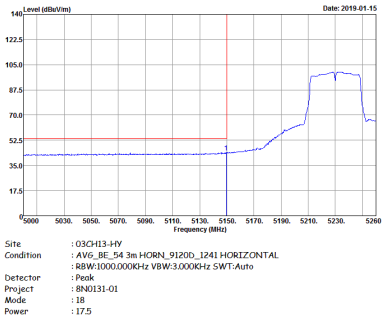
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

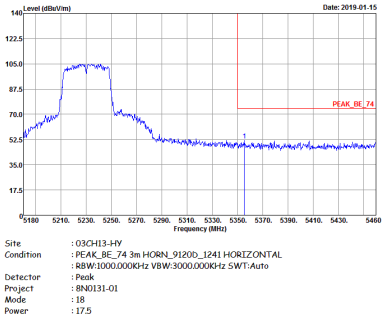
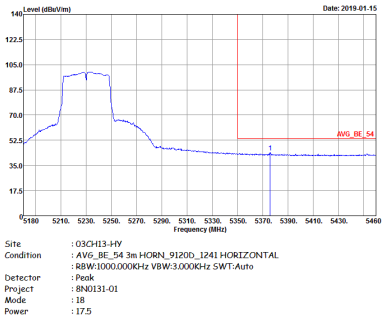
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

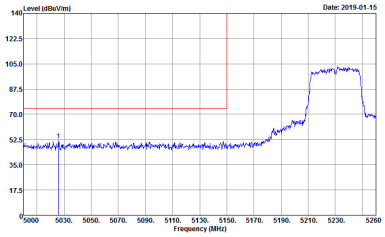
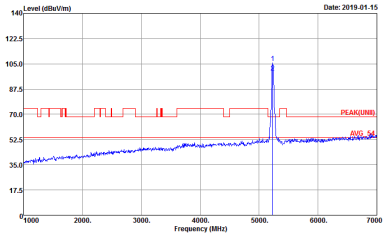
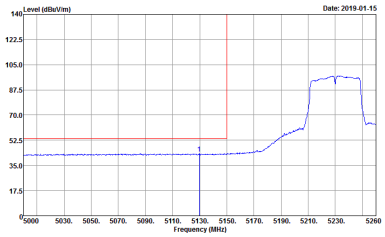
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 17 Power : 16	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 17 Power : 16	Left blank

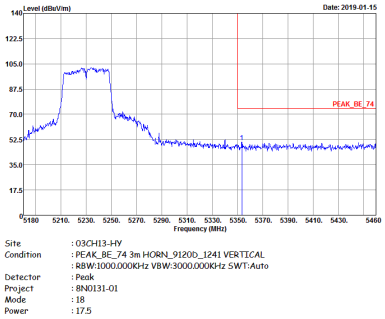
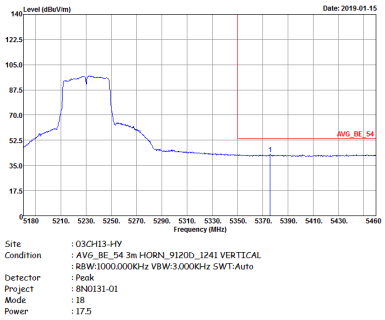
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 17 Power : 16	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 17 Power : 16
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 17 Power : 16	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

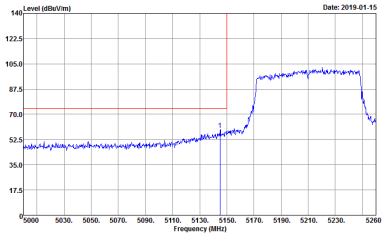
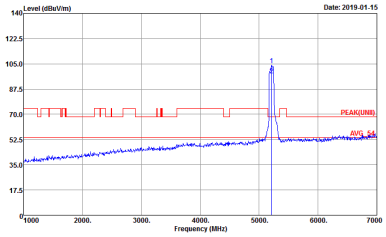
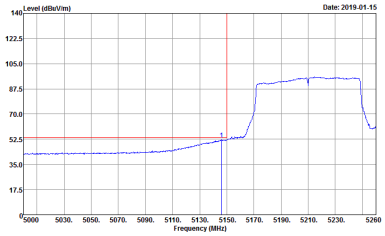
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 18 Power : 17.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 18 Power : 17.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 18 Power : 17.5	Left blank

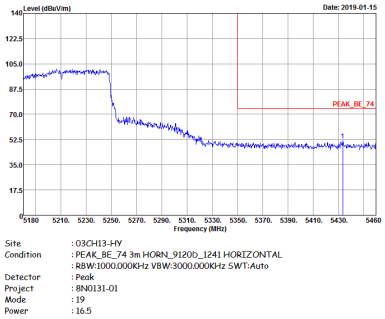
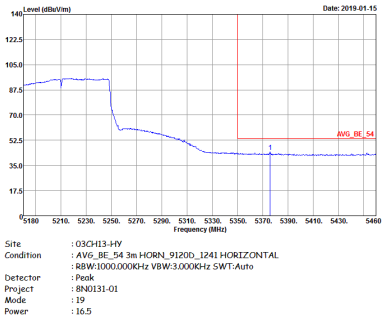
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

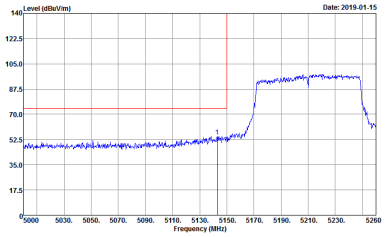
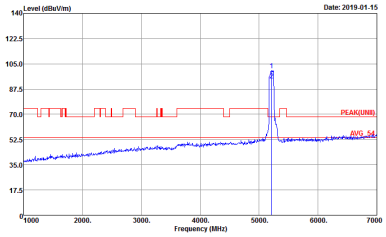
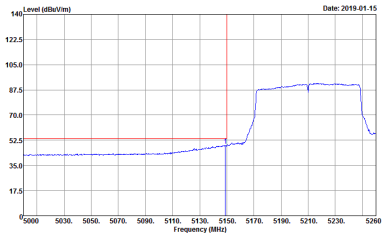
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 18 Power : 17.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 18 Power : 17.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 18 Power : 17.5	Left blank

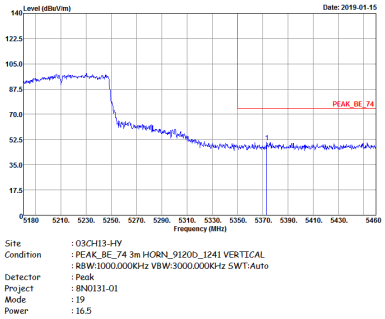
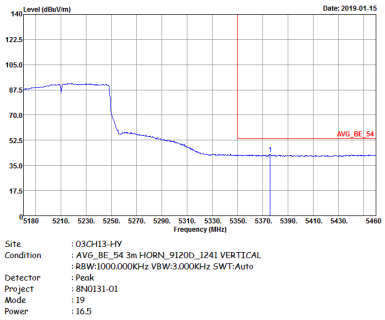
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 18 Power : 17.5	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 18 Power : 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 : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 19 Power : 16.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 19 Power : 16.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 19 Power : 16.5	Left blank

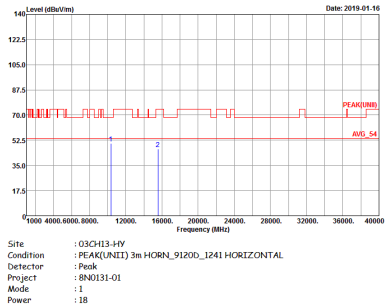
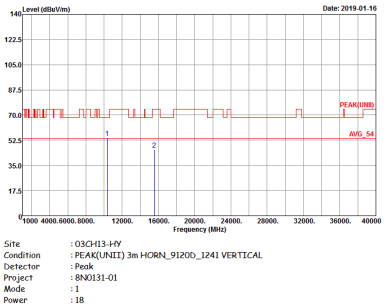
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

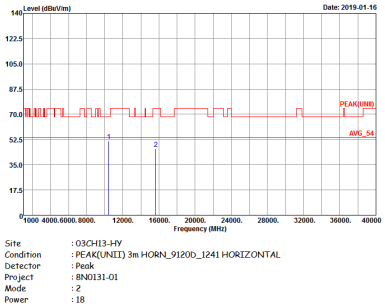
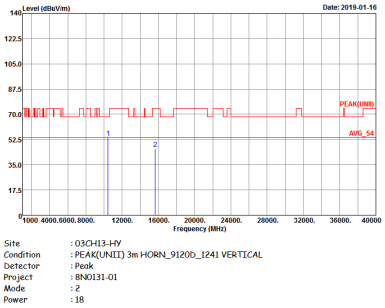
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 19 Power : 16.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 19 Power : 16.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 19 Power : 16.5	Left blank

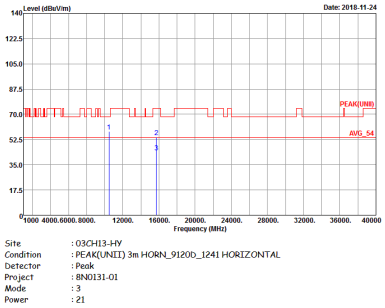
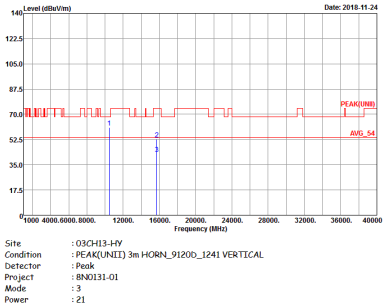
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 19 Power : 16.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 19 Power : 16.5	Left blank

Band 1 - 5150~5250MHz

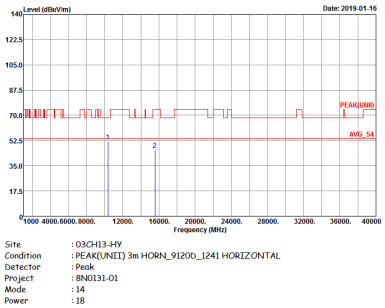
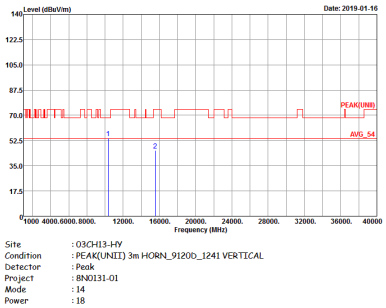
WIFI 802.11a (Harmonic @ 3m)

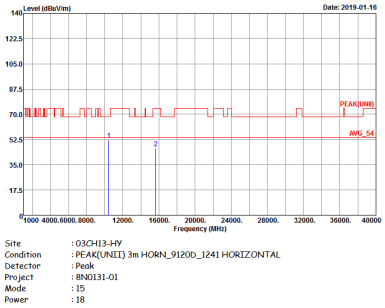
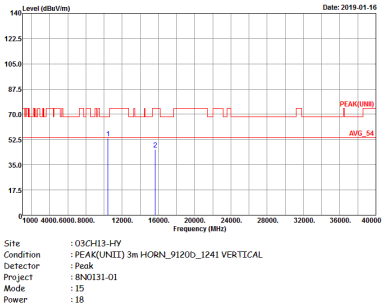
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

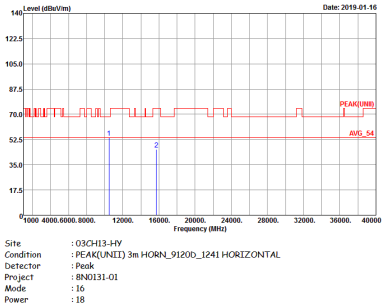
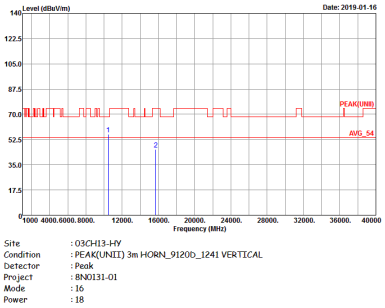
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : BN0131-01 Mode : 2 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : BN0131-01 Mode : 2 Power : 18

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : BN0131-01 Mode : 3 Power : 21	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : BN0131-01 Mode : 3 Power : 21

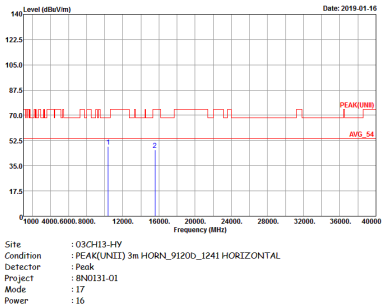
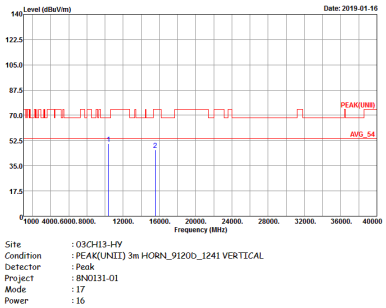
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

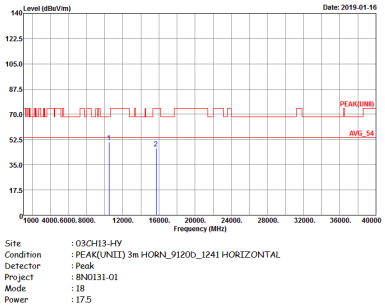
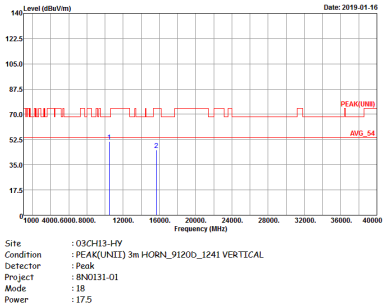
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : BN0131-01 Mode : 15 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : BN0131-01 Mode : 15 Power : 18

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : BN0131-01 Mode : 16 Power : 18	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : BN0131-01 Mode : 16 Power : 18

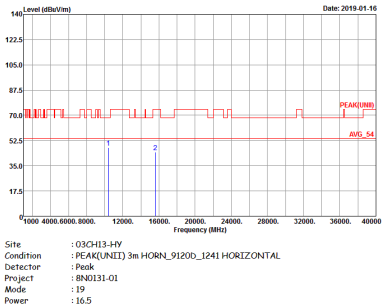
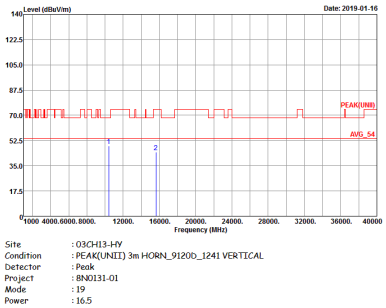
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

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.		

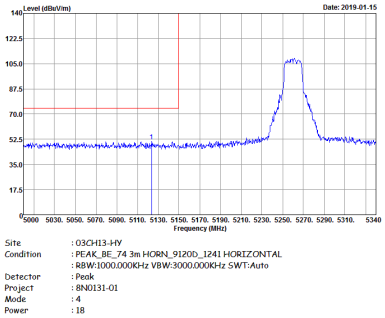
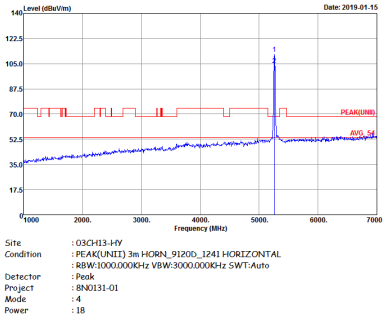
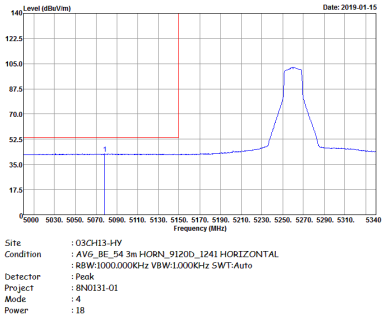
Band 1 5150~5250MHz

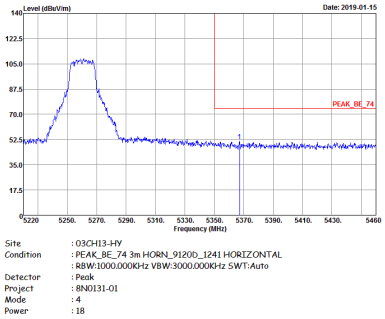
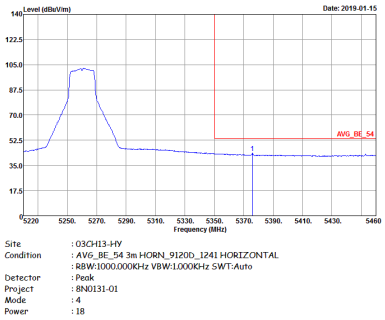
WIFI 802.11ac VHT80 (Harmonic @ 3m)

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 : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 4 Power : 18	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8N0131-01 Mode : 4 Power : 18	Left blank