FCC RADIO TEST REPORT

FCC ID	**:**	**UZ7TC520K**
Equipment	**:**	**Touch Computer**
Brand Name	**:**	**Zebra**
Model Name	**:**	**TC520K**
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 May 31, 2018 and testing was started from Jul. 10, 2018 and completed on Aug. 29, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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

Approved by: Joseph Lin

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

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History of this test report

Report No.	Version	Description	Issued Date
FR853105E	01	Initial issue of report	Aug. 29, 2018

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 1.06 dB at 5759.680 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 16.44 dB at 0..301 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Reviewed by: Wii Chang

Report Producer: Maggie Chiang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	TC520K
FCC ID	UZ7TC520K
EUT supports Radios application	NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	DV
SW Version	91-09-14.00-ON-U00-STD
FW Version	FUSION_QA_2_1.0.0.027_O
MFD	20-JUL-18
EUT Stage	Engineering Sample

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

Specification of Accessories				
Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
Battery 1	**Brand Name**	Zebra	**Part Number**	BT-000314-50
Battery 2	**Brand Name**	Zebra	**Part Number**	BT-000314-01
USB cable	**Brand Name**	Zebra	**Part Number**	CBL-TC51-USB1-01
Headset Jumper 1	**Brand Name**	Zebra	**Part Number**	CBL-TC51-HDST25-01
Headset Jumper 2	**Brand Name**	Zebra	**Part Number**	CBL-TC51-HDST35-01
2.5mm Earphone	**Brand Name**	Zebra	**Part Number**	HDST-25MM-PTVP-01
3.5mm Earphone	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTVP-01
Exoskeleton	**Brand Name**	Zebra	**Part Number**	SG-TC51-EX01-01
Trigger Handle	**Brand Name**	Zebra	**Part Number**	TRG-TC51-SNP1-01
Soft Holster	**Brand Name**	Zebra	**Part Number**	SG-TC51-HLSTR1-01
Hand strap	**Brand Name**	Zebra	**Part Number**	SG-TC51-BHDSTP1-03
USB-C Adapter	**Brand Name**	Zebra	**Part Number**	ADPTR-TC56-USBC-01
USB Type C cable	**Brand Name**	Zebra	**Part Number**	N/A

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 : 18.40 dBm / 0.0692 W 802.11n HT20 : 17.73 dBm / 0.0593 W 802.11n HT40 : 16.60 dBm / 0.0457 W 802.11ac VHT20: 17.29 dBm / 0.0536 W 802.11ac VHT40: 16.07 dBm / 0.0405 W 802.11ac VHT80: 14.96 dBm / 0.0313 W **<Ant. 2>** 802.11a : 18.23 dBm / 0.0665 W 802.11n HT20 : 17.72 dBm / 0.0592 W 802.11n HT40 : 16.66 dBm / 0.0463 W 802.11ac VHT20: 17.16 dBm / 0.0520 W 802.11ac VHT40: 16.20 dBm / 0.0417 W 802.11ac VHT80: 13.89 dBm / 0.0245 W **MIMO <Ant. 1 + 2>** 802.11a : 21.32 dBm / 0.1355 W 802.11n HT20 : 20.63 dBm / 0.1156 W 802.11n HT40 : 19.63 dBm / 0.0918 W 802.11ac VHT20: 20.61 dBm / 0.1151 W 802.11ac VHT40: 19.59 dBm / 0.0910 W 802.11ac VHT80: 14.83 dBm / 0.0304 W
	<5260 MHz ~ 5320 MHz> **<Ant. 1>** 802.11a : 18.33 dBm / 0.0681 W 802.11n HT20 : 17.96 dBm / 0.0625 W 802.11n HT40 : 16.66 dBm / 0.0463 W 802.11ac VHT20: 17.51 dBm / 0.0564 W 802.11ac VHT40: 16.14 dBm / 0.0411 W 802.11ac VHT80: 11.89 dBm / 0.0155 W **<Ant. 2>** 802.11a : 17.09 dBm / 0.0512 W 802.11n HT20 : 17.16 dBm / 0.0520 W 802.11n HT40 : 16.61 dBm / 0.0458 W 802.11ac VHT20: 16.99 dBm / 0.0500 W 802.11ac VHT40: 16.14 dBm / 0.0411 W 802.11ac VHT80: 11.44 dBm / 0.0139 W **MIMO <Ant. 1 + 2>** 802.11a : 20.49 dBm / 0.1119 W 802.11n HT20 : 20.20 dBm / 0.1047 W 802.11n HT40 : 19.63 dBm / 0.0918 W 802.11ac VHT20: 20.14 dBm / 0.1033 W 802.11ac VHT40: 19.57 dBm / 0.0906 W 802.11ac VHT80: 12.18 dBm / 0.0165 W

Standards-related Product Specification	
Maximum Output Power to Antenna <CDD Modes>	**<5500 MHz ~ 5720 MHz>** **<Ant. 1>** 802.11a : 17.83 dBm / 0.0607 W 802.11n HT20 : 17.98 dBm / 0.0628 W 802.11n HT40 : 16.94 dBm / 0.0494 W 802.11ac VHT20: 17.42 dBm / 0.0552 W 802.11ac VHT40: 16.44 dBm / 0.0441 W 802.11ac VHT80: 16.85 dBm / 0.0484 W **<Ant. 2>** 802.11a : 16.61 dBm / 0.0458 W 802.11n HT20 : 16.47 dBm / 0.0444 W 802.11n HT40 : 16.41 dBm / 0.0438 W 802.11ac VHT20: 16.39 dBm / 0.0436 W 802.11ac VHT40: 15.94 dBm / 0.0393 W 802.11ac VHT80: 16.15 dBm / 0.0412 W **MIMO <Ant. 1 + 2>** 802.11a : 19.27 dBm / 0.0845 W 802.11n HT20 : 19.49 dBm / 0.0889 W 802.11n HT40 : 19.20 dBm / 0.0832 W 802.11ac VHT20: 19.42 dBm / 0.0875 W 802.11ac VHT40: 19.18 dBm / 0.0828 W 802.11ac VHT80: 19.16 dBm / 0.0824 W
Maximum Output Power to Antenna <TXBF Modes>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 20.65 dBm / 0.1161 W 802.11ac VHT40: 19.68 dBm / 0.0929 W 802.11ac VHT80: 16.46 dBm / 0.0443 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 20.15 dBm / 0.1035 W 802.11ac VHT40: 19.68 dBm / 0.0929 W 802.11ac VHT80: 14.18 dBm / 0.0262 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 1 + 2>** 802.11ac VHT20: 19.67 dBm / 0.0927 W 802.11ac VHT40: 19.67 dBm / 0.0927 W 802.11ac VHT80: 19.42 dBm / 0.0875 W

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>99% Occupied Bandwidth
<CDD Modes></td><td><Ant. 1>
802.11a : 17.95 MHz
802.11n HT20 : 18.35 MHz
802.11n HT40 : 36.70 MHz
802.11ac VHT80 : 76.68 MHz
<Ant. 2>
802.11a : 19.15 MHz
802.11n HT20 : 18.70 MHz
802.11n HT 40 : 36.90 MHz
802.11ac VHT80 : 76.92 MHz
MIMO <Ant. 1>
802.11a : 17.85 MHz
802.11n HT20 : 18.25 MHz
802.11n HT40 : 36.80 MHz
802.11ac VHT80 : 76.80 MHz
MIMO <Ant. 2>
802.11a : 20.05 MHz
802.11n HT20 : 18.60 MHz
802.11n HT40 : 36.80 MHz
802.11ac VHT80 : 76.80 MHz</td></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Modes></td><td>MIMO <Ant. 1>
802.11ac VHT20 : 17.80 MHz
802.11ac VHT40 : 36.90 MHz
802.11ac VHT80 : 77.88 MHz
MIMO <Ant. 2>
802.11ac VHT20 : 20.35 MHz
802.11ac VHT40 : 36.80 MHz
802.11ac VHT80 : 77.28 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 1 : PIFA Antenna with gain 3.80 dBi
Ant. 2 : PIFA Antenna with gain -0.10 dBi
<5260 MHz ~ 5320 MHz>
Ant. 1 : PIFA Antenna with gain 3.80 dBi
Ant. 2 : PIFA Antenna with gain -0.10 dBi
<5500 MHz ~ 5720 MHz >
Ant. 1 : PIFA Antenna with gain 3.10 dBi
Ant. 2 : PIFA Antenna with gain 2.30 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
CDD MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11ac
TXBF</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

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

1.3 Modification of EUT

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

1.4 Testing Location

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

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

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

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH12-HY

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

1.5 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 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) 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: WLAN (5GHz) Link + Bluetooth Link + Rugged Charge/USB Cable + Scanner + without Exoskeleton + Battery 1 + Adapter (SAWA-65-20005A (5V/2.5A)) + Headset Jumper (CBL-TC51-HDST25-01) + Earphone (HDST-25MM-PTVP-01)
Remark: For Radiated Test Cases, the tests were performed with Rugged Charge/USB Cable, Battery 1, Earphone (HDST-25MM-PTVP-01), Headset Jumper (CBL-TC51-HDST25-01), and without Exoskeleton.	

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

<CDD Mode>

<Ant. 1>

802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs. Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		95.31		93.24	92.20	89.31	87.25	81.75	76.40	75.31
CH 36	5180	18.38	CH 044	18.31	18.34	18.39	18.37	18.29	18.35	16.38
CH 44	5220	**18.40**								
CH 48	5240	**18.40**								
CH 52	5260	18.19	CH 060	18.32	18.30	18.29	18.32	18.28	18.25	16.28
CH 60	5300	**18.33**								
CH 64	5320	17.96								
CH 100	5500	17.81	CH 116	17.71	17.76	17.80	17.80	17.79	17.78	15.82
CH 116	5580	**17.83**								
CH 140	5700	17.32								
CH 144	5720	17.80								

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 (%)		94.96		91.04	88.10	84.72	80.93	77.27	74.70	72.73
CH 36	5180	**17.73**	CH 036	17.31	17.70	17.72	17.62	17.59	17.59	14.64
CH 44	5220	17.60								
CH 48	5240	17.55								
CH 52	5260	17.62	CH 064	17.58	17.95	17.92	17.70	17.75	17.85	14.81
CH 60	5300	17.92								
CH 64	5320	**17.96**								
CH 100	5500	**17.98**	CH 100	17.61	17.95	17.97	17.78	17.73	17.83	14.83
CH 116	5580	17.70								
CH 140	5700	15.82								
CH 144	5720	17.57								

802.11n HT40 RF Output Power (dBm)										
Power vs. Channel			Power vs. Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		91.18		86.32	80.77	76.79	69.70	64.91	63.30	62.75
CH 38	5190	15.85	CH 46	16.27	16.30	16.19	16.25	16.13	16.22	13.12
CH 46	5230	**16.60**								
CH 54	5270	**16.66**	CH 54	16.38	16.36	16.37	16.25	16.29	16.25	13.14
CH 62	5310	12.75								
CH 102	5510	15.01	CH 110	16.64	16.63	16.57	16.59	16.62	16.63	13.50
CH 110	5550	**16.94**								
CH 134	5670	16.58								
CH 142	5710	16.78								

802.11ac VHT20 RF Output Power (dBm)										
Power vs. Channel			Power vs. Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)		95.50		91.11	88.80	86.49	81.11	76.67	75.00	73.89	71.01
CH 36	5180	**17.29**	CH 036	17.00	17.27	17.28	17.26	17.15	17.18	17.16	14.27
CH 44	5220	17.26									
CH 48	5240	17.19									
CH 52	5260	17.19	CH 064	17.10	17.49	17.48	17.27	17.25	17.35	17.33	14.50
CH 60	5300	17.45									
CH 64	5320	**17.51**									
CH 100	5500	**17.42**	CH 100	17.10	17.40	17.41	17.21	17.23	17.38	17.36	14.41
CH 116	5580	17.29									
CH 140	5700	15.75									
CH144	5720	17.25									

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 (%)		92.16		86.01	81.99	76.74	71.64	64.96	62.50	61.54	59.18	58.33
CH 38	5190	15.67	CH 46	15.74	15.76	15.65	15.71	15.67	15.79	15.68	15.88	13.04
CH 46	5230	**16.07**										
CH 54	5270	**16.14**	CH 54	15.75	15.81	15.85	15.68	15.64	15.69	15.54	15.91	12.97
CH 62	5310	12.57										
CH 102	5510	14.80	CH 110	16.14	16.16	16.05	16.08	16.37	16.34	16.42	16.38	13.41
CH 110	5550	**16.44**										
CH 134	5670	16.07										
CH 142	5710	16.30										

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 (%)		88.24		78.43	75.00	68.75	63.46	57.45	56.82	54.76	53.66	52.50
CH 042	5210	**14.96**	CH 042	14.68	14.50	14.58	14.45	14.56	14.57	14.57	14.44	11.50
CH 058	5290	**11.89**	CH 058	11.51	11.47	11.48	11.52	11.55	11.56	11.52	11.48	8.46
CH 106	5530	14.24	CH 138	16.27	15.97	16.02	15.91	15.96	15.91	15.94	15.86	12.82
CH 122	5610	16.60										
CH 138	5690	**16.85**										

<Ant. 2>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs. Data Rate							
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)						
		6M		9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		95.31		93.90	92.20	89.31	86.27	82.35	76.40	75.61
CH 36	5180	18.16	CH 044	18.22	18.16	18.22	18.19	18.19	18.12	16.02
CH 44	5220	**18.23**								
CH 48	5240	18.18								
CH 52	5260	17.08	CH 060	16.75	16.70	17.08	17.04	16.74	16.90	14.77
CH 60	5300	**17.09**								
CH 64	5320	17.01								
CH 100	5500	16.49	CH 116	16.54	16.57	16.59	16.60	16.44	16.60	14.52
CH 116	5580	**16.61**								
CH 140	5700	15.66								
CH 144	5720	16.23								

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 (%)		94.97		91.63	86.61	86.39	81.11	76.14	75.31	73.68
CH 36	5180	**17.72**	CH 036	17.68	17.70	17.71	17.66	17.68	17.66	14.69
CH 44	5220	17.63								
CH 48	5240	17.59								
CH 52	5260	17.01	CH 060	16.93	17.14	17.15	16.97	17.07	17.00	13.97
CH 60	5300	**17.16**								
CH 64	5320	17.11								
CH 100	5500	16.31	CH 116	16.33	16.46	16.44	16.46	16.43	16.46	13.45
CH 116	5580	**16.47**								
CH 140	5700	15.01								
CH 144	5720	16.31								

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 (%)		91.18		86.01	81.73	77.65	66.67	64.91	64.22	62.75
CH 38	5190	14.86	CH 46	16.24	16.19	16.11	16.31	16.13	16.04	13.02
CH 46	5230	**16.66**								
CH 54	5270	**16.61**	CH 54	16.20	16.09	16.05	16.31	16.08	16.06	13.04
CH 62	5310	13.02								
CH 102	5510	14.59	CH 110	16.10	16.01	15.90	16.16	15.97	15.92	12.87
CH 110	5550	**16.41**								
CH 134	5670	16.22								
CH 142	5710	16.05								

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 (%)		95.50		91.85	88.80	87.07	82.03	78.33	75.61	75.32	72.46
CH 36	5180	**17.16**	CH 036	17.07	17.12	17.13	17.06	17.08	17.01	17.05	14.10
CH 44	5220	17.15									
CH 48	5240	17.12									
CH 52	5260	16.62	CH 064	16.87	16.97	16.96	16.86	16.79	16.81	16.73	13.95
CH 60	5300	16.95									
CH 64	5320	**16.99**									
CH 100	5500	15.75	CH 116	16.17	16.37	16.38	16.36	16.26	16.34	16.35	13.20
CH 116	5580	**16.39**									
CH 140	5700	14.95									
CH 144	5720	15.96									

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 (%)		92.16		85.81	81.90	76.74	71.64	63.93	62.83	61.54	60.42	57.45
CH 38	5190	14.50	CH 046	15.76	15.69	15.66	15.87	16.09	15.75	15.73	15.89	13.06
CH 46	5230	**16.20**										
CH 54	5270	**16.14**	CH 054	15.76	15.67	15.68	15.85	15.64	15.69	15.65	15.84	13.12
CH 62	5310	12.83										
CH 102	5510	14.30	CH 110	15.64	15.62	15.55	15.68	15.84	15.62	15.66	15.71	12.83
CH 110	5550	**15.94**										
CH 134	5670	15.83										
CH142	5710	15.64										

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 (%)		88.24		78.22	74.67	70.31	62.26	59.57	56.82	55.81	53.66	50.00
CH 42	5210	**13.89**	CH 042	13.54	13.40	13.38	13.46	13.32	13.35	13.58	13.32	10.61
CH 58	5290	**11.44**	CH 058	11.37	11.39	11.08	11.26	11.07	11.20	11.16	11.12	8.34
CH 106	5530	14.25	CH 138	15.68	15.60	15.48	15.54	15.30	15.40	15.46	15.35	12.63
CH 122	5610	16.01										
CH 138	5690	**16.15**										

MIMO <Ant. 1 + 2>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs. Data Rate							
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)						
		6M		9M	12M	18M	24M	36M	48M	54M
CH 36	5180	21.23	CH 44	20.89	20.85	21.29	21.19	20.82	20.83	18.82
CH 44	5220	**21.32**								
CH 48	5240	21.25								
CH 52	5260	20.35	CH 60	20.46	20.46	20.46	20.37	20.48	20.47	18.45
CH 60	5300	**20.49**								
CH 64	5320	19.15								
CH 100	5500	19.26	CH144	19.25	19.25	19.25	19.12	19.23	19.25	17.22
CH 116	5580	19.14								
CH 140	5700	18.19								
CH 144	5720	**19.27**								

802.11n HT20 RF Output Power (dBm)										
Power vs. Channel			Power vs. Data Rate							
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 36	5180	20.59	CH 48	20.26	20.49	20.62	20.35	20.29	20.36	17.42
CH 44	5220	20.54								
CH 48	5240	**20.63**								
CH 52	5260	20.06	CH 60	19.97	20.17	20.19	20.08	19.94	20.06	16.97
CH 60	5300	**20.20**								
CH 64	5320	19.43								
CH 100	5500	**19.49**	CH 100	19.17	19.47	19.42	19.44	19.35	19.37	16.42
CH 116	5580	19.22								
CH 140	5700	18.16								
CH 144	5720	19.40								

802.11n HT40 RF Output Power (dBm)											
Power vs. Channel			Power vs. Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 38	5190	17.01	CH 046	19.32	19.30	19.22	19.12	19.06	19.17	16.15
CH 46	5230	**19.63**								
CH 54	5270	**19.63**	CH 054	19.34	19.28	19.19	19.14	19.03	19.12	16.11
CH 62	5310	14.76								
CH 102	5510	17.34	CH 134	19.19	19.16	19.09	19.07	18.96	19.04	15.97
CH 110	5550	19.11								
CH 134	5670	**19.20**								
CH 142	5710	19.09								

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs. Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 36	5180	20.54	CH 48	20.25	20.44	20.60	20.32	20.25	20.29	20.40	17.45
CH 44	5220	20.51									
CH 48	5240	**20.61**									
CH 52	5260	20.01	CH 60	19.93	20.10	20.13	20.03	19.89	19.97	19.95	17.00
CH 60	5300	**20.14**									
CH 64	5320	19.38									
CH 100	5500	**19.42**	CH 100	19.13	19.39	19.40	19.36	19.29	19.28	19.35	16.40
CH 116	5580	19.20									
CH 140	5700	18.13									
CH 144	5720	19.36									

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs. Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 38	5190	16.97	CH 046	19.29	19.21	19.18	19.09	19.04	19.08	19.11	19.14	16.34
CH 46	5230	**19.59**										
CH 54	5270	**19.57**	CH 054	19.31	19.18	19.14	19.10	19.00	19.01	19.06	19.21	16.35
CH 62	5310	14.70										
CH 102	5510	17.29	CH 134	19.15	19.08	19.07	19.03	18.93	18.92	18.92	19.02	16.16
CH 110	5550	19.03										
CH 134	5670	**19.18**										
CH 142	5710	19.06										

802.11ac VHT80 RF Output Power (dBm)											
Power vs. Channel			Power vs. Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 42	5210	**14.83**	CH 042	14.51	14.53	14.53	14.47	14.52	14.51	14.66	14.55	11.72
CH 58	5290	**12.18**	CH 058	12.16	12.17	12.16	12.15	12.17	12.14	12.08	12.14	9.17
CH 106	5530	16.57	CH 122	18.71	18.74	18.75	18.66	18.74	18.72	18.78	18.63	15.75
CH 122	5610	**19.16**										
CH 138	5690	19.00										

<TXBF Mode>

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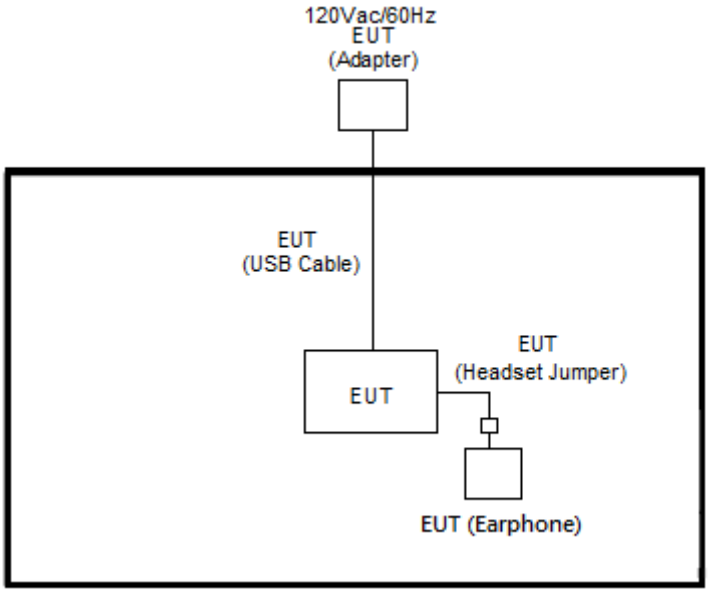
802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs. Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 36	5180	20.54	CH 044	20.55	20.45	20.55	20.55	20.45	20.55	20.55	17.60
CH 44	5220	**20.65**									
CH 48	5240	20.64									
CH 52	5260	**20.15**	CH 052	20.05	19.95	20.05	20.05	20.05	19.95	20.05	17.05
CH 60	5300	20.11									
CH 64	5320	19.34									
CH 100	5500	**19.67**	CH 100	19.52	19.53	19.57	19.57	19.52	19.53	19.57	16.57
CH 116	5580	19.53									
CH 140	5700	19.24									
CH 144	5720	19.48									

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs. Data Rate								
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 38	5190	17.92	CH 046	19.58	19.54	19.58	19.53	19.67	19.58	19.53	19.58	16.58
CH 46	5230	**19.68**										
CH 54	5270	**19.68**	CH 054	19.58	19.54	19.58	19.53	19.67	19.58	19.53	19.58	16.58
CH 62	5310	14.97										
CH 102	5510	17.61	CH 110	19.57	19.57	19.47	19.57	19.57	19.52	19.51	19.57	16.57
CH 110	5550	**19.67**										
CH 134	5670	19.46										
CH142	5710	19.26										

802.11ac VHT80 RF Output Power (dBm)												
Power vs. Channel			Power vs. Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 42	5210	**16.46**	CH 042	16.31	16.36	16.36	16.31	16.31	16.36	16.31	16.36	13.36
CH 58	5290	**14.18**	CH 058	13.98	14.08	14.08	14.08	13.98	14.08	14.08	14.08	11.08
CH 106	5530	17.83	CH 138	19.22	19.32	19.32	19.32	19.22	19.32	19.32	19.32	16.32
CH 122	5610	19.38										
CH 138	5690	**19.42**										

2.3 Connection Diagram of Test System

<CDD Mode>



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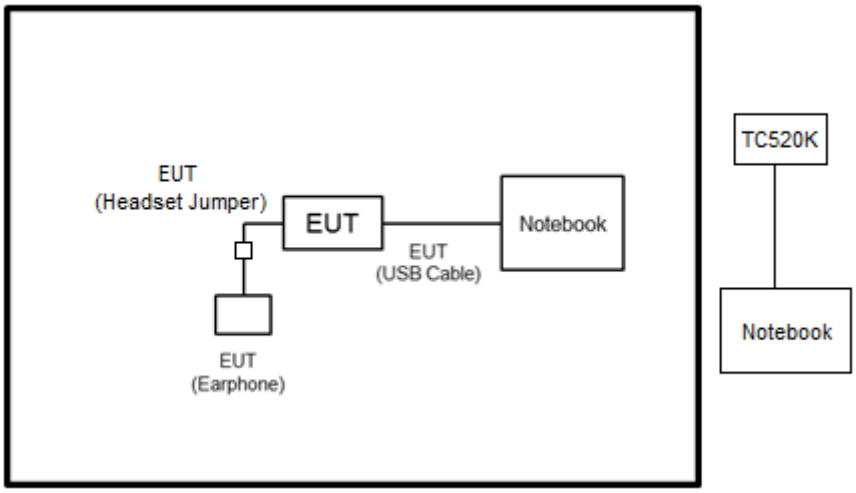

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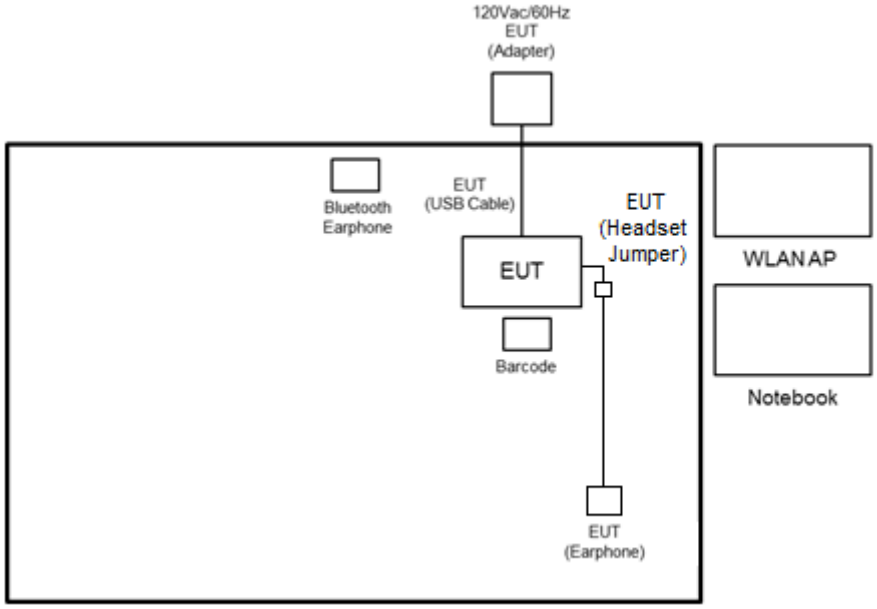


2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	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
5.	Notebook -01	Lenovo	E335	N/A	N/A	N/A
6.	Notebook -40	Lenovo	E335	N/A	N/A	N/A
7.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

<CDD Mode>

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.

<TXBF Mode>

The RF test items, utility “ADB” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.
Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

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

<CDD Mode>

Band I												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	36	5180	17.35	17.80	27.90	31.30	-		22.39	22.50
11a	6Mbps	1	44	5220	17.40	18.50	29.70	33.10	-		22.41	22.67
11a	6Mbps	1	48	5240	17.55	19.15	32.10	33.70	-		22.44	22.82
HT20	MCS0	1	36	5180	18.00	18.10	27.70	29.10	-		22.55	22.58
HT20	MCS0	1	44	5220	18.15	18.25	28.90	29.40	-		22.59	22.61
HT20	MCS0	1	48	5240	18.15	18.30	28.80	29.20	-		22.59	22.62
HT40	MCS0	1	38	5190	36.70	36.60	41.94	41.94	-		23.01	23.01
HT40	MCS0	1	46	5230	36.70	36.70	41.94	42.12	-		23.01	23.01
VHT80	MCS0	1	42	5210	76.44	76.44	84.48	83.52	-		23.01	23.01
11a	6Mbps	2	36	5180	17.45	18.35	29.30	33.20	-		22.42	
11a	6Mbps	2	44	5220	17.80	20.05	32.10	34.60	-		22.50	
11a	6Mbps	2	48	5240	17.85	17.50	32.40	38.00	-		22.43	
HT20	MCS0	2	36	5180	18.10	18.15	27.70	29.60	-		22.58	
HT20	MCS0	2	44	5220	18.20	18.30	29.20	31.00	-		22.60	
HT20	MCS0	2	48	5240	18.25	18.45	29.90	32.00	-		22.61	
HT40	MCS0	2	38	5190	36.60	36.60	41.94	41.94	-		23.01	
HT40	MCS0	2	46	5230	36.60	36.60	42.30	42.30	-		23.01	
VHT80	MCS0	2	42	5210	76.56	76.32	84.16	83.84	-		23.01	

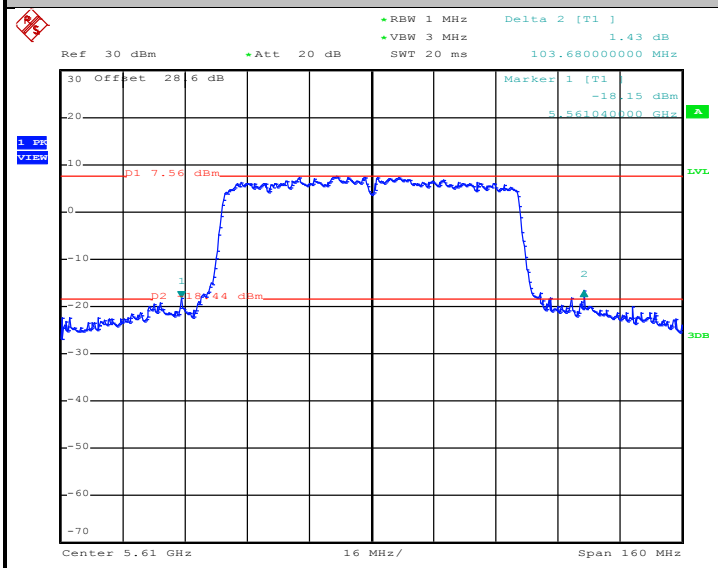
Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	52	5260	17.20	17.25	29.90	28.70	23.36	23.37	29.36	29.37	23.98	23.98
11a	6Mbps	1	60	5300	17.65	17.30	32.10	29.70	23.47	23.38	29.47	29.38	23.98	23.98
11a	6Mbps	1	64	5320	17.95	17.45	32.60	29.90	23.54	23.42	29.54	29.42	23.98	23.98
HT20	MCS0	1	52	5260	18.10	18.10	28.90	28.60	23.58	23.58	29.58	29.58	23.98	23.98
HT20	MCS0	1	60	5300	18.20	18.30	29.50	30.80	23.60	23.62	29.60	29.62	23.98	23.98
HT20	MCS0	1	64	5320	18.20	18.60	29.10	30.80	23.60	23.70	29.60	29.70	23.98	23.98
HT40	MCS0	1	54	5270	36.60	36.70	42.30	42.30	23.98	23.98	30.00	30.00	23.98	23.98
HT40	MCS0	1	62	5310	36.70	36.70	42.12	41.94	23.98	23.98	30.00	30.00	23.98	23.98
VHT80	MCS0	1	58	5290	76.68	76.68	85.12	84.80	23.98	23.98	30.00	30.00	23.98	23.98
11a	6Mbps	2	52	5260	17.10	17.55	28.50	31.10	23.33		29.33		23.98	
11a	6Mbps	2	60	5300	17.30	18.75	29.70	33.80	23.38		29.38		23.98	
11a	6Mbps	2	64	5320	17.00	17.55	27.10	31.80	23.30		29.30		23.98	
HT20	MCS0	2	52	5260	18.15	18.20	28.90	28.80	23.59		29.59		23.98	
HT20	MCS0	2	60	5300	18.25	18.60	29.30	32.80	23.61		29.61		23.98	
HT20	MCS0	2	64	5320	18.20	18.25	28.60	30.30	23.60		29.60		23.98	
HT40	MCS0	2	54	5270	36.80	36.60	42.48	42.30	23.98		30.00		23.98	
HT40	MCS0	2	62	5310	36.80	36.60	42.12	42.12	23.98		30.00		23.98	
VHT80	MCS0	2	58	5290	76.80	76.80	84.48	84.48	23.98		30.00		23.98	

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	17.30	18.35	29.50	32.90	23.38	23.64	29.38	29.64	23.98	23.98	----	----
11a	6Mbps	1	116	5580	17.15	17.60	28.60	32.20	23.34	23.46	29.34	29.46	23.98	23.98	----	----
11a	6Mbps	1	140	5700	16.85	16.90	26.00	26.80	23.27	23.28	29.27	29.28	23.98	23.98	----	----
11a	6Mbps	1	144	5720	13.60	13.70	19.20	19.50	22.34	22.37	28.34	28.37	23.83	23.90	2.76	2.75
HT20	MCS0	1	100	5500	18.35	18.35	29.70	31.80	23.64	23.64	29.64	29.64	23.98	23.98	----	----
HT20	MCS0	1	116	5580	18.10	18.70	29.30	34.10	23.58	23.72	29.58	29.72	23.98	23.98	----	----
HT20	MCS0	1	140	5700	17.95	18.00	25.90	28.00	23.54	23.55	29.54	29.55	23.98	23.98	----	----
HT20	MCS0	1	144	5720	14.05	14.10	19.00	19.50	22.48	22.49	28.48	28.49	23.79	23.90	2.6	3.15
HT40	MCS0	1	102	5510	36.60	36.70	41.76	42.12	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	110	5550	36.70	36.90	41.76	48.24	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	134	5670	36.70	36.70	42.12	42.30	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	142	5710	33.40	33.40	35.88	35.88	23.98	23.98	30.00	30.00	23.98	23.98	2.64	2.64
VHT80	MCS0	1	106	5530	76.44	76.80	83.84	83.52	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	122	5610	76.68	76.92	83.84	103.68	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	138	5690	73.52	73.40	76.92	76.92	23.98	23.98	30.00	30.00	23.98	23.98	2.6	2.6

Band III																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.95	17.65	26.90	32.80	23.29		29.29		23.98		----	----
11a	6Mbps	2	116	5580	16.95	17.30	26.30	28.70	23.29		29.29		23.98		----	----
11a	6Mbps	2	140	5700	16.75	16.80	25.20	25.90	23.24		29.24		23.98		----	----
11a	6Mbps	2	144	5720	13.50	13.55	17.80	19.40	22.30		28.30		23.50		2.9	2.5
HT20	MCS0	2	100	5500	18.10	18.60	27.60	31.70	23.58		29.58		23.98		----	----
HT20	MCS0	2	116	5580	18.05	18.35	27.10	31.10	23.56		29.56		23.98		----	----
HT20	MCS0	2	140	5700	18.05	18.05	26.60	28.50	23.56		29.56		23.98		----	----
HT20	MCS0	2	144	5720	14.00	14.05	18.20	18.80	22.46		28.46		23.60		2.75	3.1
HT40	MCS0	2	102	5510	36.80	36.60	41.76	41.94	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.70	36.80	42.12	42.48	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.60	36.60	41.94	42.48	23.98		30.00		23.98		----	----
HT40	MCS0	2	142	5710	33.30	33.30	36.06	35.88	23.98		30.00		23.98		2.46	2.55
VHT80	MCS0	2	106	5530	76.68	76.68	84.16	83.20	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.56	76.68	83.84	87.68	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	73.40	73.40	77.56	76.60	23.98		30.00		23.98		2.6	2.6

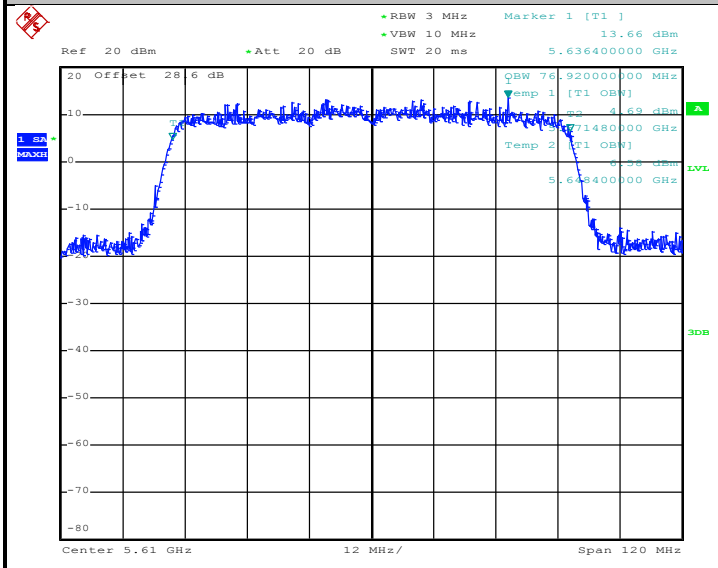
<CDD Mode>

Maximum 26dB Bandwidth



Date: 15.AUG.2018 14:06:00

Maximum 99% Occupied Bandwidth



Date: 15.AUG.2018 14:06:30

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

<TXBF Mode>

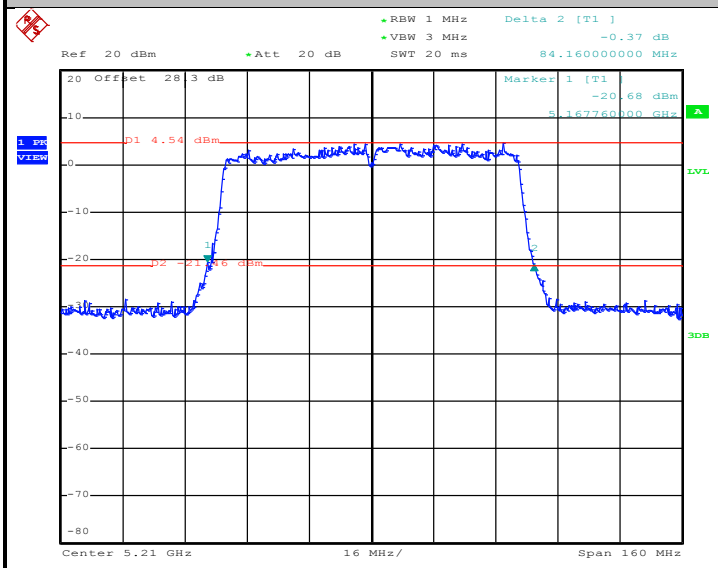
Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
VHT20	MCS0	2	36	5180	17.75	19.30	24.95	29.00	-		22.49	
VHT20	MCS0	2	44	5220	17.75	19.65	24.60	29.55	-		22.49	
VHT20	MCS0	2	48	5240	17.80	20.10	24.70	29.40	-		22.50	
VHT40	MCS0	2	38	5190	36.50	36.60	41.94	42.48	-		23.01	
VHT40	MCS0	2	46	5230	36.90	36.60	43.56	43.20	-		23.01	
VHT80	MCS0	2	42	5210	77.04	77.04	83.52	84.16	-		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	17.75	19.85	23.90	29.75	23.49		29.49		23.98	
VHT20	MCS0	2	60	5300	17.75	20.35	24.00	30.20	23.49		29.49		23.98	
VHT20	MCS0	2	64	5320	17.75	19.00	24.50	28.50	23.49		29.49		23.98	
VHT40	MCS0	2	54	5270	36.60	36.70	44.10	42.66	23.98		30.00		23.98	
VHT40	MCS0	2	62	5310	36.60	36.70	41.76	42.66	23.98		30.00		23.98	
VHT80	MCS0	2	58	5290	77.16	77.16	83.52	83.52	23.98		30.00		23.98	

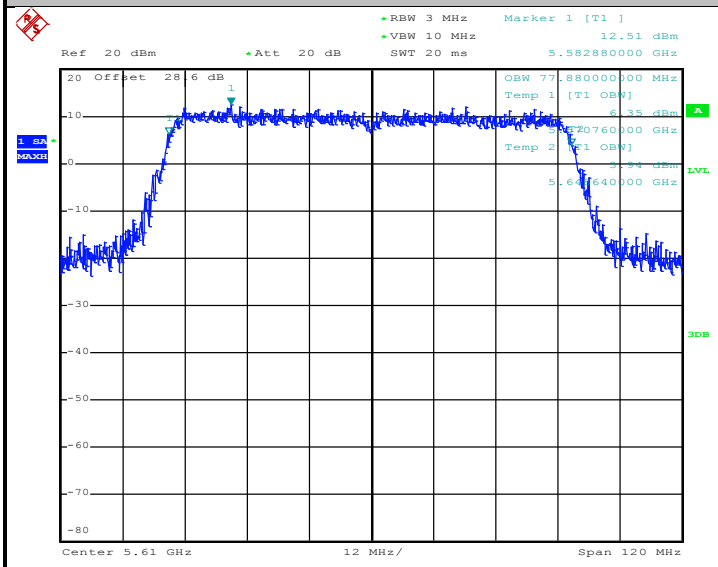
Band III																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
VHT20	MCS0	2	100	5500	17.75	19.60	23.90	29.10	23.49		29.49		23.98		----	----
VHT20	MCS0	2	116	5580	17.75	19.25	24.70	28.10	23.49		29.49		23.98		----	----
VHT20	MCS0	2	140	5700	17.75	18.85	23.90	28.30	23.49		29.49		23.98		----	----
VHT20	MCS0	2	144	5720	13.90	14.55	16.50	19.50	22.43		28.43		23.17		2.6	3.8
VHT40	MCS0	2	102	5510	36.70	36.70	41.58	42.66	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.60	36.80	43.02	42.84	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.60	36.70	41.76	42.66	23.98		30.00		23.98		----	----
VHT40	MCS0	2	142	5710	33.30	33.40	35.88	36.42	23.98		30.00		23.98		2.62	3.16
VHT80	MCS0	2	106	5530	77.04	77.28	82.56	83.84	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	77.88	77.04	83.52	83.84	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	74.00	74.00	76.60	76.92	23.98		30.00		23.98		2.76	3.08

<TXBF Modes>

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

<CDD Modes>

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

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

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

<TXBF Modes>

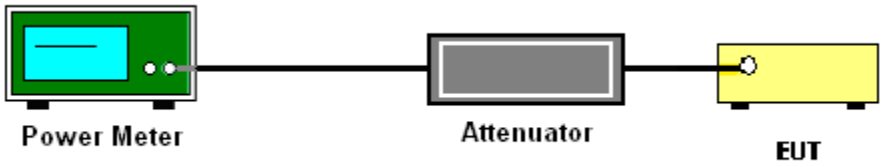
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

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

<CDD Mode>

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.21	0.21	18.38	18.16	-	24.00	24.00	3.80	-0.10	Pass
11a	6Mbps	1	44	5220	0.21	0.21	18.40	18.23		24.00	24.00	3.80	-0.10	Pass
11a	6Mbps	1	48	5240	0.21	0.21	18.40	18.18		24.00	24.00	3.80	-0.10	Pass
HT20	MCS0	1	36	5180	0.22	0.22	17.73	17.72		24.00	24.00	3.80	-0.10	Pass
HT20	MCS0	1	44	5220	0.22	0.22	17.60	17.63		24.00	24.00	3.80	-0.10	Pass
HT20	MCS0	1	48	5240	0.22	0.22	17.55	17.59		24.00	24.00	3.80	-0.10	Pass
HT40	MCS0	1	38	5190	0.40	0.40	15.85	14.86		24.00	24.00	3.80	-0.10	Pass
HT40	MCS0	1	46	5230	0.40	0.40	16.60	16.66		24.00	24.00	3.80	-0.10	Pass
VHT20	MCS0	1	36	5180	0.20	0.20	17.29	17.16		24.00	24.00	3.80	-0.10	Pass
VHT20	MCS0	1	44	5220	0.20	0.20	17.26	17.15		24.00	24.00	3.80	-0.10	Pass
VHT20	MCS0	1	48	5240	0.20	0.20	17.19	17.12		24.00	24.00	3.80	-0.10	Pass
VHT40	MCS0	1	38	5190	0.35	0.35	15.67	14.50		24.00	24.00	3.80	-0.10	Pass
VHT40	MCS0	1	46	5230	0.35	0.35	16.07	16.20		24.00	24.00	3.80	-0.10	Pass
VHT80	MCS0	1	42	5210	0.54	0.54	14.96	13.89		24.00	24.00	3.80	-0.10	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	0.19	18.21	18.24	21.23	24.00		3.80		Pass
11a	6Mbps	2	44	5220	0.19	0.19	18.26	18.36	21.32	24.00		3.80		Pass
11a	6Mbps	2	48	5240	0.19	0.19	18.23	18.25	21.25	24.00		3.80		Pass
HT20	MCS0	2	36	5180	0.20	0.20	17.52	17.63	20.59	24.00		3.80		Pass
HT20	MCS0	2	44	5220	0.20	0.20	17.47	17.58	20.54	24.00		3.80		Pass
HT20	MCS0	2	48	5240	0.20	0.20	17.72	17.52	20.63	24.00		3.80		Pass
HT40	MCS0	2	38	5190	0.40	0.40	13.95	14.05	17.01	24.00		3.80		Pass
HT40	MCS0	2	46	5230	0.40	0.40	16.66	16.58	19.63	24.00		3.80		Pass
VHT20	MCS0	2	36	5180	0.20	0.20	17.46	17.60	20.54	24.00		3.80		Pass
VHT20	MCS0	2	44	5220	0.20	0.20	17.43	17.56	20.51	24.00		3.80		Pass
VHT20	MCS0	2	48	5240	0.20	0.20	17.70	17.50	20.61	24.00		3.80		Pass
VHT40	MCS0	2	38	5190	0.40	0.40	13.90	14.03	16.97	24.00		3.80		Pass
VHT40	MCS0	2	46	5230	0.40	0.40	16.62	16.55	19.59	24.00		3.80		Pass
VHT80	MCS0	2	42	5210	0.54	0.54	11.69	11.93	14.83	24.00		3.80		Pass

FCC Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.21	0.21	18.19	17.08	-	23.98	23.98	3.80	-0.10	30	Pass
11a	6Mbps	1	60	5300	0.21	0.21	18.33	17.09		23.98	23.98	3.80	-0.10	30	Pass
11a	6Mbps	1	64	5320	0.21	0.21	17.96	17.01		23.98	23.98	3.80	-0.10	30	Pass
HT20	MCS0	1	52	5260	0.22	0.22	17.62	17.01		23.98	23.98	3.80	-0.10	30	Pass
HT20	MCS0	1	60	5300	0.22	0.22	17.92	17.16		23.98	23.98	3.80	-0.10	30	Pass
HT20	MCS0	1	64	5320	0.22	0.22	17.96	17.11		23.98	23.98	3.80	-0.10	30	Pass
HT40	MCS0	1	54	5270	0.40	0.40	16.66	16.61		23.98	23.98	3.80	-0.10	30	Pass
HT40	MCS0	1	62	5310	0.40	0.40	12.75	13.02		23.98	23.98	3.80	-0.10	30	Pass
VHT20	MCS0	1	52	5260	0.20	0.20	17.19	16.62		23.98	23.98	3.80	-0.10	30	Pass
VHT20	MCS0	1	60	5300	0.20	0.20	17.45	16.95		23.98	23.98	3.80	-0.10	30	Pass
VHT20	MCS0	1	64	5320	0.20	0.20	17.51	16.99		23.98	23.98	3.80	-0.10	30	Pass
VHT40	MCS0	1	54	5270	0.35	0.35	16.14	16.14		23.98	23.98	3.80	-0.10	30	Pass
VHT40	MCS0	1	62	5310	0.35	0.35	12.57	12.83		23.98	23.98	3.80	-0.10	30	Pass
VHT80	MCS0	1	58	5290	0.54	0.54	11.89	11.44		23.98	23.98	3.80	-0.10	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	0.19	17.40	17.28	20.35	23.98		3.80		30	Pass
11a	6Mbps	2	60	5300	0.19	0.19	17.52	17.44	20.49	23.98		3.80		30	Pass
11a	6Mbps	2	64	5320	0.19	0.19	16.09	16.20	19.15	23.98		3.80		30	Pass
HT20	MCS0	2	52	5260	0.20	0.20	17.09	17.01	20.06	23.98		3.80		30	Pass
HT20	MCS0	2	60	5300	0.20	0.20	17.22	17.15	20.20	23.98		3.80		30	Pass
HT20	MCS0	2	64	5320	0.20	0.20	16.45	16.38	19.43	23.98		3.80		30	Pass
HT40	MCS0	2	54	5270	0.40	0.40	16.66	16.57	19.63	23.98		3.80		30	Pass
HT40	MCS0	2	62	5310	0.40	0.40	11.65	11.85	14.76	23.98		3.80		30	Pass
VHT20	MCS0	2	52	5260	0.20	0.20	17.05	16.95	20.01	23.98		3.80		30	Pass
VHT20	MCS0	2	60	5300	0.20	0.20	17.18	17.07	20.14	23.98		3.80		30	Pass
VHT20	MCS0	2	64	5320	0.20	0.20	16.40	16.33	19.38	23.98		3.80		30	Pass
VHT40	MCS0	2	54	5270	0.40	0.40	16.60	16.52	19.57	23.98		3.80		30	Pass
VHT40	MCS0	2	62	5310	0.40	0.40	11.58	11.80	14.70	23.98		3.80		30	Pass
VHT80	MCS0	2	58	5290	0.54	0.54	8.75	9.54	12.18	23.98		3.80		30	Pass

FCC Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.21	0.21	17.81	16.49		23.98	23.98	3.10	2.30	30	Pass
11a	6Mbps	1	116	5580	0.21	0.21	17.83	16.61		23.98	23.98	3.10	2.30	30	Pass
11a	6Mbps	1	140	5700	0.21	0.21	17.32	15.66		23.98	23.98	3.10	2.30	30	Pass
11a	6Mbps	1	144	5720	0.21	0.21	17.80	16.23		23.83	23.90	3.10	2.30	30	Pass
HT20	MCS0	1	100	5500	0.22	0.22	17.98	16.31		23.98	23.98	3.10	2.30	30	Pass
HT20	MCS0	1	116	5580	0.22	0.22	17.70	16.47		23.98	23.98	3.10	2.30	30	Pass
HT20	MCS0	1	140	5700	0.22	0.22	15.82	15.01		23.98	23.98	3.10	2.30	30	Pass
HT20	MCS0	1	144	5720	0.22	0.22	17.57	16.31		23.79	23.90	3.10	2.30	30	Pass
HT40	MCS0	1	102	5510	0.40	0.40	15.01	14.59		23.98	23.98	3.10	2.30	30	Pass
HT40	MCS0	1	110	5550	0.40	0.40	16.94	16.41		23.98	23.98	3.10	2.30	30	Pass
HT40	MCS0	1	134	5670	0.40	0.40	16.58	16.22		23.98	23.98	3.10	2.30	30	Pass
HT40	MCS0	1	142	5710	0.40	0.40	16.78	16.05		23.98	23.98	3.10	2.30	30	Pass
VHT20	MCS0	1	100	5500	0.20	0.20	17.42	15.75		23.98	23.98	3.10	2.30	30	Pass
VHT20	MCS0	1	116	5580	0.20	0.20	17.29	16.39		23.98	23.98	3.10	2.30	30	Pass
VHT20	MCS0	1	140	5700	0.20	0.20	15.75	14.95		23.98	23.98	3.10	2.30	30	Pass
VHT20	MCS0	1	144	5720	0.20	0.20	17.25	15.96		23.98	23.98	3.10	2.30	30	Pass
VHT40	MCS0	1	102	5510	0.35	0.35	14.80	14.30		23.98	23.98	3.10	2.30	30	Pass
VHT40	MCS0	1	110	5550	0.35	0.35	16.44	15.94		23.98	23.98	3.10	2.30	30	Pass
VHT40	MCS0	1	134	5670	0.35	0.35	16.07	15.83		23.98	23.98	3.10	2.30	30	Pass
VHT40	MCS0	1	142	5710	0.35	0.35	16.30	15.64		23.98	23.98	3.10	2.30	30	Pass
VHT80	MCS0	1	106	5530	0.54	0.54	14.24	14.25		23.98	23.98	3.10	2.30	30	Pass
VHT80	MCS0	1	122	5610	0.54	0.54	16.60	16.01		23.98	23.98	3.10	2.30	30	Pass
VHT80	MCS0	1	138	5690	0.54	0.54	16.85	16.15		23.98	23.98	3.10	2.30	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	0.19	16.42	16.07	19.26	23.98		3.10		30	Pass
11a	6Mbps	2	116	5580	0.19	0.19	16.30	15.95	19.14	23.98		3.10		30	Pass
11a	6Mbps	2	140	5700	0.19	0.19	15.28	15.08	18.19	23.98		3.10		30	Pass
11a	6Mbps	2	144	5720	0.19	0.19	16.43	16.09	19.27	23.50		3.10		30	Pass
HT20	MCS0	2	100	5500	0.20	0.20	16.65	16.30	19.49	23.98		3.10		30	Pass
HT20	MCS0	2	116	5580	0.20	0.20	16.39	16.01	19.22	23.98		3.10		30	Pass
HT20	MCS0	2	140	5700	0.20	0.20	15.01	15.28	18.16	23.98		3.10		30	Pass
HT20	MCS0	2	144	5720	0.20	0.20	16.46	16.32	19.40	23.60		3.10		30	Pass
HT40	MCS0	2	102	5510	0.40	0.40	14.49	14.16	17.34	23.98		3.10		30	Pass
HT40	MCS0	2	110	5550	0.40	0.40	16.39	15.78	19.11	23.98		3.10		30	Pass
HT40	MCS0	2	134	5670	0.40	0.40	16.35	16.02	19.20	23.98		3.10		30	Pass
HT40	MCS0	2	142	5710	0.40	0.40	16.21	15.95	19.09	23.98		3.10		30	Pass
VHT20	MCS0	2	100	5500	0.20	0.20	16.60	16.22	19.42	23.98		3.10		30	Pass
VHT20	MCS0	2	116	5580	0.20	0.20	16.38	16.00	19.20	23.98		3.10		30	Pass
VHT20	MCS0	2	140	5700	0.20	0.20	14.98	15.25	18.13	23.98		3.10		30	Pass
VHT20	MCS0	2	144	5720	0.20	0.20	16.42	16.28	19.36	23.98		3.10		30	Pass
VHT40	MCS0	2	102	5510	0.40	0.40	14.45	14.11	17.29	23.98		3.10		30	Pass
VHT40	MCS0	2	110	5550	0.40	0.40	16.28	15.75	19.03	23.98		3.10		30	Pass
VHT40	MCS0	2	134	5670	0.40	0.40	16.33	16.00	19.18	23.98		3.10		30	Pass
VHT40	MCS0	2	142	5710	0.40	0.40	16.18	15.93	19.06	23.98		3.10		30	Pass
VHT80	MCS0	2	106	5530	0.54	0.54	13.75	13.35	16.57	23.98		3.10		30	Pass
VHT80	MCS0	2	122	5610	0.54	0.54	16.25	16.03	19.16	23.98		3.10		30	Pass
VHT80	MCS0	2	138	5690	0.54	0.54	16.14	15.83	19.00	23.98		3.10		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	17.00	18.00	20.54	24.00		5.08		Pass
VHT20	MCS0	2	44	5220	0.00	0.00	17.00	18.20	20.65	24.00		5.08		Pass
VHT20	MCS0	2	48	5240	0.00	0.00	17.10	18.10	20.64	24.00		5.08		Pass
VHT40	MCS0	2	38	5190	0.00	0.00	14.60	15.20	17.92	24.00		5.08		Pass
VHT40	MCS0	2	46	5230	0.00	0.00	16.20	17.10	19.68	24.00		5.08		Pass
VHT80	MCS0	2	42	5210	0.00	0.00	13.30	13.60	16.46	24.00		5.08		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	16.50	17.70	20.15	23.98		5.08		30	Pass
VHT20	MCS0	2	60	5300	0.00	0.00	16.40	17.70	20.11	23.98		5.08		30	Pass
VHT20	MCS0	2	64	5320	0.00	0.00	15.80	16.80	19.34	23.98		5.08		30	Pass
VHT40	MCS0	2	54	5270	0.00	0.00	16.20	17.10	19.68	23.98		5.08		30	Pass
VHT40	MCS0	2	62	5310	0.00	0.00	11.70	12.20	14.97	23.98		5.08		30	Pass
VHT80	MCS0	2	58	5290	0.00	0.00	10.70	11.60	14.18	23.98		5.08		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	16.30	17.00	19.67	23.98		5.72		30	Pass
VHT20	MCS0	2	116	5580	0.00	0.00	16.10	16.90	19.53	23.98		5.72		30	Pass
VHT20	MCS0	2	140	5700	0.00	0.00	15.70	16.70	19.24	23.98		5.72		30	Pass
VHT20	MCS0	2	144	5720	0.00	0.00	16.00	16.90	19.48	23.17		5.72		30	Pass
VHT40	MCS0	2	102	5510	0.00	0.00	14.50	14.70	17.61	23.98		5.72		30	Pass
VHT40	MCS0	2	110	5550	0.00	0.00	16.90	16.40	19.67	23.98		5.72		30	Pass
VHT40	MCS0	2	134	5670	0.00	0.00	16.50	16.40	19.46	23.98		5.72		30	Pass
VHT40	MCS0	2	142	5710	0.00	0.00	16.20	16.30	19.26	23.98		5.72		30	Pass
VHT80	MCS0	2	106	5530	0.00	0.00	15.20	14.40	17.83	23.98		5.72		30	Pass
VHT80	MCS0	2	122	5610	0.00	0.00	16.80	15.90	19.38	23.98		5.72		30	Pass
VHT80	MCS0	2	138	5690	0.00	0.00	16.70	16.10	19.42	23.98		5.72		30	Pass

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

<CDD Modes>

 # Method SA-2 #

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

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

<TXBF Modes>

 # Method SA-3 #

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

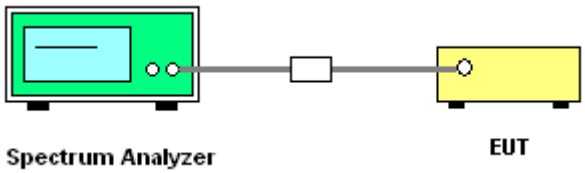
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the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

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

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

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

<CDD Mode>

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.21	0.21	7.03	6.85		11.00	11.00	3.80	-0.10	Pass
11a	6Mbps	1	44	5220	0.21	0.21	6.93	6.76		11.00	11.00	3.80	-0.10	Pass
11a	6Mbps	1	48	5240	0.21	0.21	6.93	6.60		11.00	11.00	3.80	-0.10	Pass
HT20	MCS0	1	36	5180	0.22	0.22	5.11	5.08		11.00	11.00	3.80	-0.10	Pass
HT20	MCS0	1	44	5220	0.22	0.22	5.17	5.12	-	11.00	11.00	3.80	-0.10	Pass
HT20	MCS0	1	48	5240	0.22	0.22	4.97	5.01		11.00	11.00	3.80	-0.10	Pass
HT40	MCS0	1	38	5190	0.40	0.40	0.63	-0.53		11.00	11.00	3.80	-0.10	Pass
HT40	MCS0	1	46	5230	0.40	0.40	0.91	1.31		11.00	11.00	3.80	-0.10	Pass
VHT80	MCS0	1	42	5210	0.54	0.54	-2.79	-3.80		11.00	11.00	3.80	-0.10	Pass
11a	6Mbps	2	36	5180	0.19	0.19			9.68	11.00		5.08		Pass
11a	6Mbps	2	44	5220	0.19	0.19			9.61	11.00		5.08		Pass
11a	6Mbps	2	48	5240	0.19	0.19			9.45	11.00		5.08		Pass
HT20	MCS0	2	36	5180	0.20	0.20			7.90	11.00		5.08		Pass
HT20	MCS0	2	44	5220	0.20	0.20		-	7.98	11.00		5.08		Pass
HT20	MCS0	2	48	5240	0.20	0.20			7.80	11.00		5.08		Pass
HT40	MCS0	2	38	5190	0.40	0.40			1.92	11.00		5.08		Pass
HT40	MCS0	2	46	5230	0.40	0.40			4.13	11.00		5.08		Pass
VHT80	MCS0	2	42	5210	0.54	0.54			-3.09	11.00		5.08		Pass

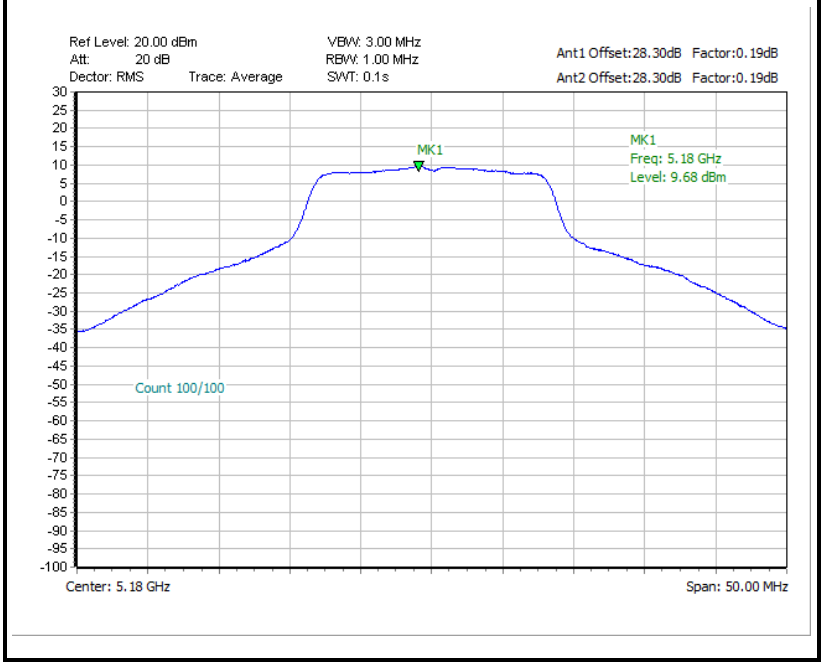
Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	0.21	0.21	6.66	5.83		11.00	11.00	3.80	-0.10	Pass
11a	6Mbps	1	60	5300	0.21	0.21	6.73	5.40		11.00	11.00	3.80	-0.10	Pass
11a	6Mbps	1	64	5320	0.21	0.21	6.81	5.37		11.00	11.00	3.80	-0.10	Pass
HT20	MCS0	1	52	5260	0.22	0.22	5.22	4.73		11.00	11.00	3.80	-0.10	Pass
HT20	MCS0	1	60	5300	0.22	0.22	5.27	4.89	-	11.00	11.00	3.80	-0.10	Pass
HT20	MCS0	1	64	5320	0.22	0.22	5.35	4.89		11.00	11.00	3.80	-0.10	Pass
HT40	MCS0	1	54	5270	0.40	0.40	1.37	1.26		11.00	11.00	3.80	-0.10	Pass
HT40	MCS0	1	62	5310	0.40	0.40	-2.36	-2.08		11.00	11.00	3.80	-0.10	Pass
VHT80	MCS0	1	58	5290	0.54	0.54	-6.23	-7.03		11.00	11.00	3.80	-0.10	Pass
11a	6Mbps	2	52	5260	0.19	0.19			8.56	11.00		5.08		Pass
11a	6Mbps	2	60	5300	0.19	0.19			8.59	11.00		5.08		Pass
11a	6Mbps	2	64	5320	0.19	0.19			7.47	11.00		5.08		Pass
HT20	MCS0	2	52	5260	0.20	0.20			7.40	11.00		5.08		Pass
HT20	MCS0	2	60	5300	0.20	0.20		-	7.36	11.00		5.08		Pass
HT20	MCS0	2	64	5320	0.20	0.20			6.82	11.00		5.08		Pass
HT40	MCS0	2	54	5270	0.40	0.40			4.32	11.00		5.08		Pass
HT40	MCS0	2	62	5310	0.40	0.40			-0.69	11.00		5.08		Pass
VHT80	MCS0	2	58	5290	0.54	0.54			-6.08	11.00		5.08		Pass

Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	0.21	0.21	7.54	5.87		11.00	11.00	3.10	2.30	Pass
11a	6Mbps	1	116	5580	0.21	0.21	7.76	6.38		11.00	11.00	3.10	2.30	Pass
11a	6Mbps	1	140	5700	0.21	0.21	6.28	4.55		11.00	11.00	3.10	2.30	Pass
11a	6Mbps	1	144	5720	0.21	0.21	7.29	5.42		11.00	11.00	3.10	2.30	Pass
HT20	MCS0	1	100	5500	0.22	0.22	6.67	4.80		11.00	11.00	3.10	2.30	Pass
HT20	MCS0	1	116	5580	0.22	0.22	6.70	5.85		11.00	11.00	3.10	2.30	Pass
HT20	MCS0	1	140	5700	0.22	0.22	4.22	3.42		11.00	11.00	3.10	2.30	Pass
HT20	MCS0	1	144	5720	0.22	0.22	5.69	4.41	-	11.00	11.00	3.10	2.30	Pass
HT40	MCS0	1	102	5510	0.40	0.40	0.99	0.54		11.00	11.00	3.10	2.30	Pass
HT40	MCS0	1	110	5550	0.40	0.40	2.97	2.57		11.00	11.00	3.10	2.30	Pass
HT40	MCS0	1	134	5670	0.40	0.40	1.84	1.47		11.00	11.00	3.10	2.30	Pass
HT40	MCS0	1	142	5710	0.40	0.40	1.86	1.32		11.00	11.00	3.10	2.30	Pass
VHT80	MCS0	1	106	5530	0.54	0.54	-2.42	-2.15		11.00	11.00	3.10	2.30	Pass
VHT80	MCS0	1	122	5610	0.54	0.54	-0.55	-0.89		11.00	11.00	3.10	2.30	Pass
VHT80	MCS0	1	138	5690	0.54	0.54	-1.02	-1.85		11.00	11.00	3.10	2.30	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	0.19			8.77	11.00		5.72		Pass
11a	6Mbps	2	116	5580	0.19	0.19			9.15	11.00		5.72		Pass
11a	6Mbps	2	140	5700	0.19	0.19			6.84	11.00		5.72		Pass
11a	6Mbps	2	144	5720	0.19	0.19			8.59	11.00		5.72		Pass
HT20	MCS0	2	100	5500	0.20	0.20			8.15	11.00		5.72		Pass
HT20	MCS0	2	116	5580	0.20	0.20			8.16	11.00		5.72		Pass
HT20	MCS0	2	140	5700	0.20	0.20			6.72	11.00		5.72		Pass
HT20	MCS0	2	144	5720	0.20	0.20	-		7.01	11.00		5.72		Pass
HT40	MCS0	2	102	5510	0.40	0.40			3.48	11.00		5.72		Pass
HT40	MCS0	2	110	5550	0.40	0.40			5.12	11.00		5.72		Pass
HT40	MCS0	2	134	5670	0.40	0.40			4.44	11.00		5.72		Pass
HT40	MCS0	2	142	5710	0.40	0.40			3.94	11.00		5.72		Pass
VHT80	MCS0	2	106	5530	0.54	0.54			-0.17	11.00		5.72		Pass
VHT80	MCS0	2	122	5610	0.54	0.54			2.18	11.00		5.72		Pass
VHT80	MCS0	2	138	5690	0.54	0.54			1.17	11.00		5.72		Pass

<CDD Modes>

Worst Case Power Density (dBm/MHz)



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

<TXBF Mode>

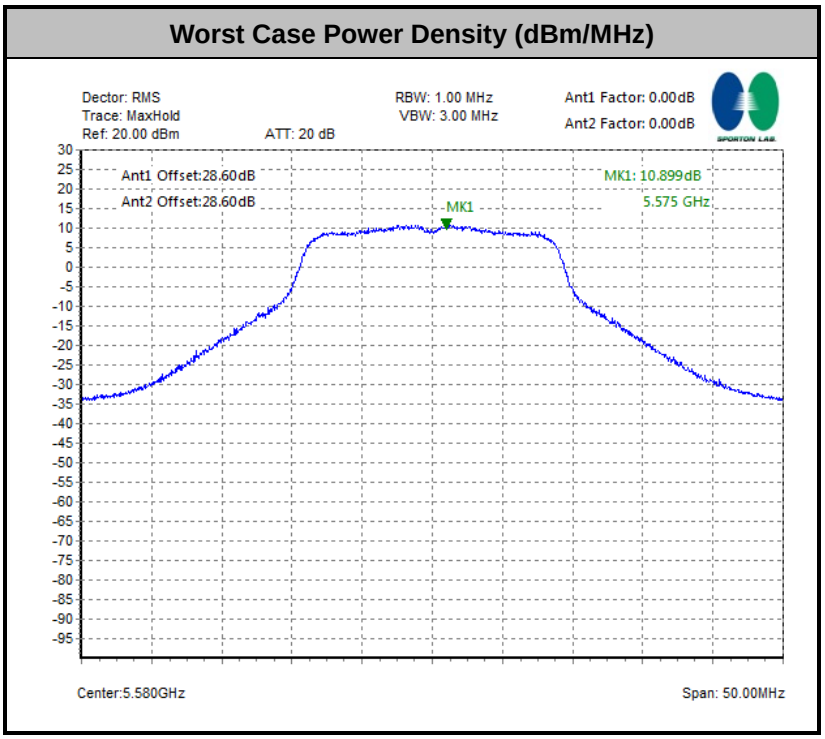
FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	36	5180	0.00	0.00	-		10.45	11.00		5.08		Pass
VHT20	MCS0	2	44	5220	0.00	0.00			10.59	11.00		5.08		Pass
VHT20	MCS0	2	48	5240	0.00	0.00			10.45	11.00		5.08		Pass
VHT40	MCS0	2	38	5190	0.00	0.00			4.74	11.00		5.08		Pass
VHT40	MCS0	2	46	5230	0.00	0.00			6.35	11.00		5.08		Pass
VHT80	MCS0	2	42	5210	0.00	0.00			0.27	11.00		5.08		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	-		10.14	11.00		5.08		Pass
VHT20	MCS0	2	60	5300	0.00	0.00			10.01	11.00		5.08		Pass
VHT20	MCS0	2	64	5320	0.00	0.00			8.88	11.00		5.08		Pass
VHT40	MCS0	2	54	5270	0.00	0.00			6.36	11.00		5.08		Pass
VHT40	MCS0	2	62	5310	0.00	0.00			2.10	11.00		5.08		Pass
VHT80	MCS0	2	58	5290	0.00	0.00			-2.41	11.00		5.08		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			10.74	11.00		5.72		Pass
VHT20	MCS0	2	116	5580	0.00	0.00			10.90	11.00		5.72		Pass
VHT20	MCS0	2	140	5700	0.00	0.00			9.67	11.00		5.72		Pass
VHT20	MCS0	2	144	5720	0.00	0.00			9.77	11.00		5.72		Pass
VHT40	MCS0	2	102	5510	0.00	0.00			4.98	11.00		5.72		Pass
VHT40	MCS0	2	110	5550	0.00	0.00	-		7.65	11.00		5.72		Pass
VHT40	MCS0	2	134	5670	0.00	0.00			6.65	11.00		5.72		Pass
VHT40	MCS0	2	142	5710	0.00	0.00			6.23	11.00		5.72		Pass
VHT80	MCS0	2	106	5530	0.00	0.00			2.37	11.00		5.72		Pass
VHT80	MCS0	2	122	5610	0.00	0.00			3.75	11.00		5.72		Pass
VHT80	MCS0	2	138	5690	0.00	0.00			3.86	11.00		5.72		Pass

<TXBF Modes>

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

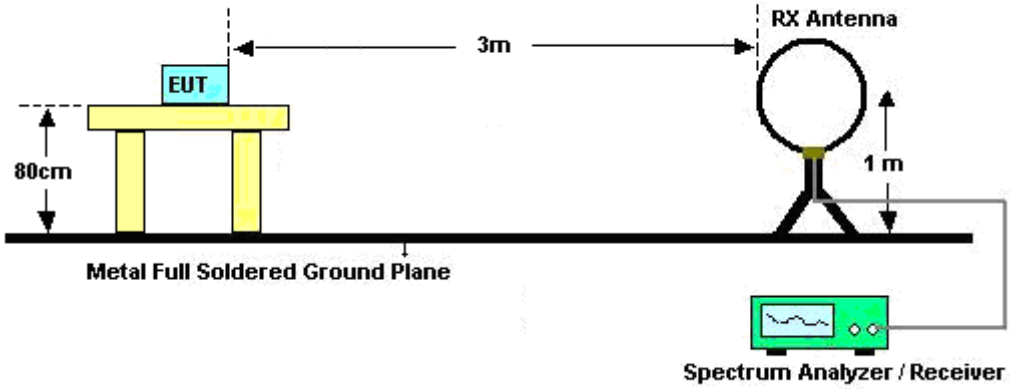
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

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

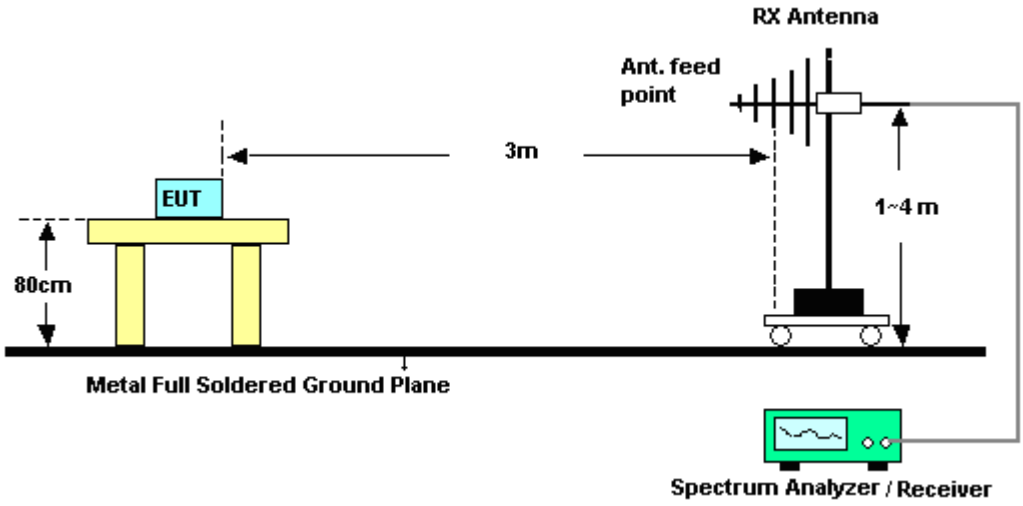
3.4.4 Test Setup

For radiated emissions below 30MHz

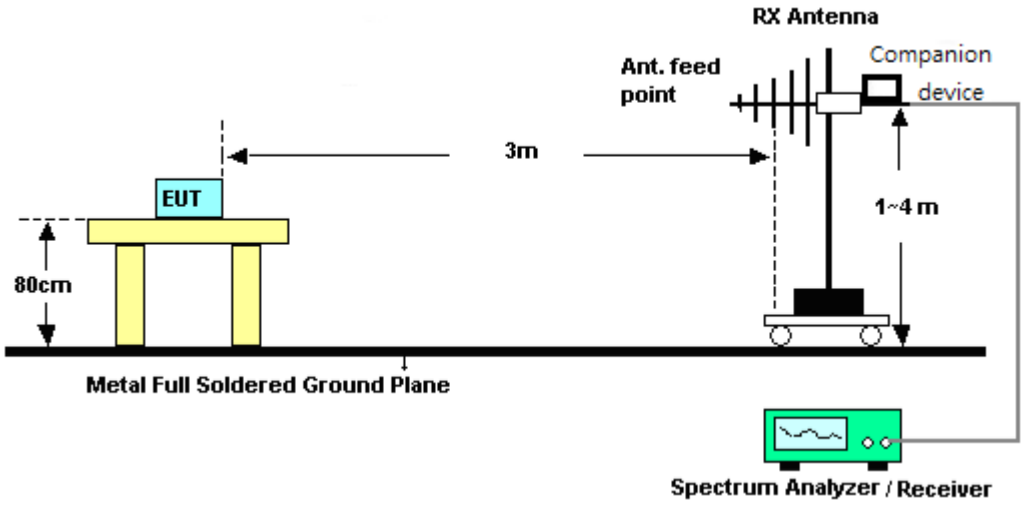


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

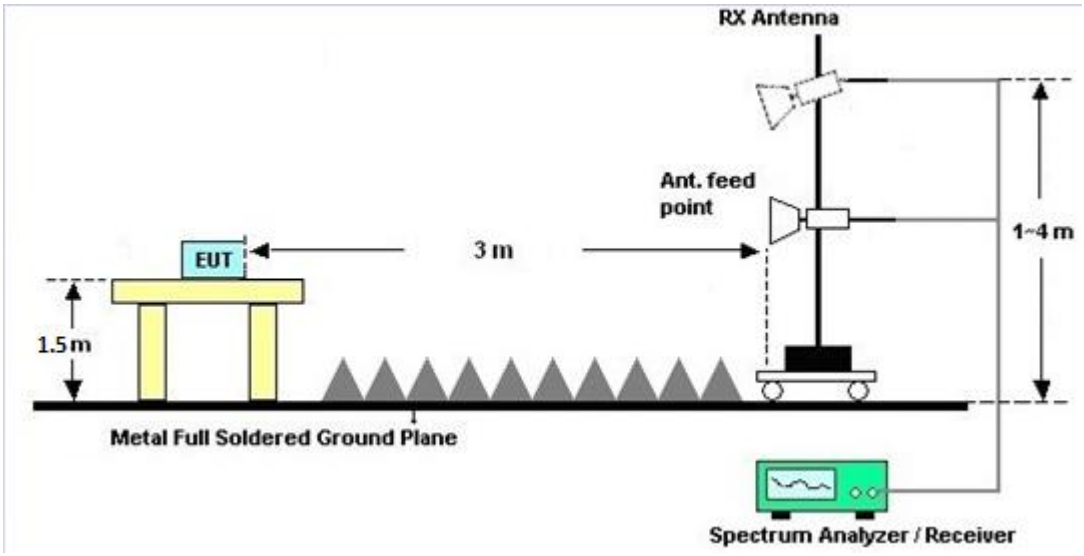


<TXBF Mode>



For radiated emissions above 1GHz

<CDD Mode>



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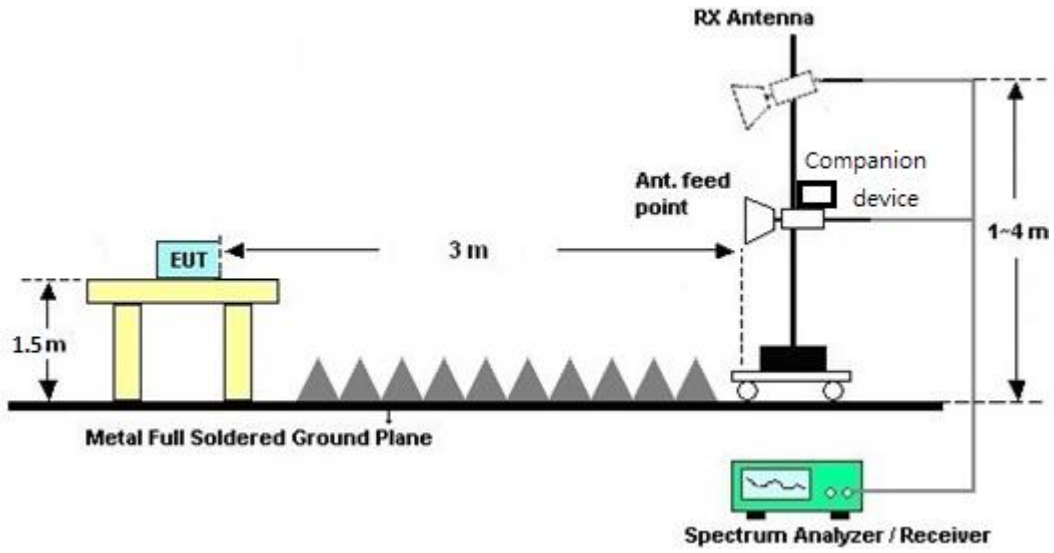


3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

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 semi-Anechoic chamber, 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.

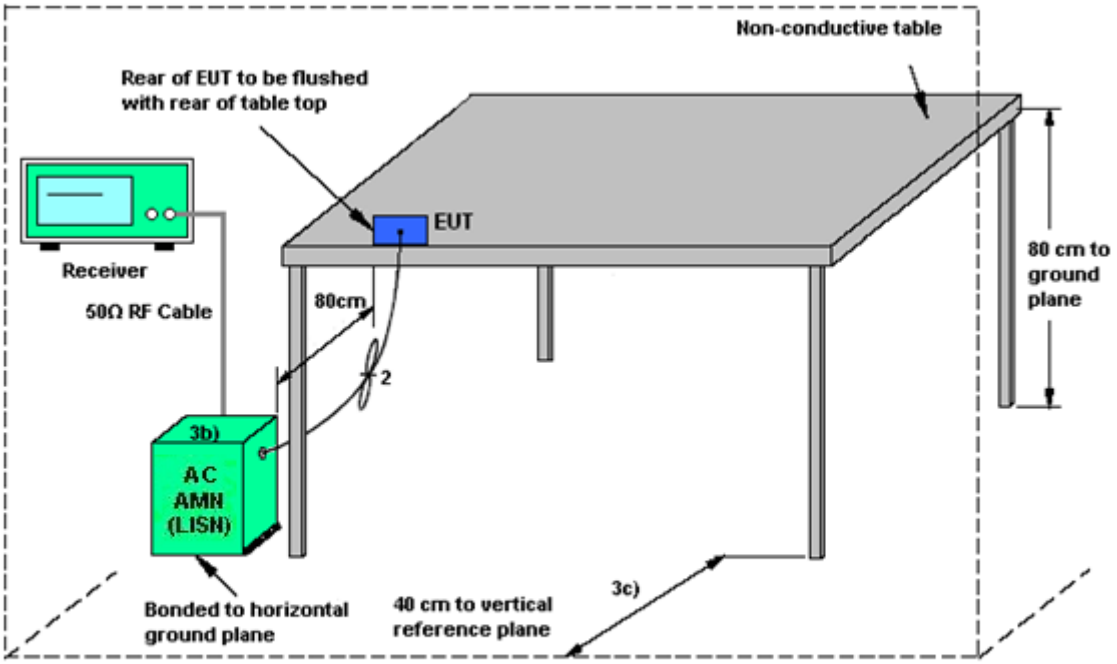
3.5.2 Measuring Instruments

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



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.80	-0.10	3.80	5.08	0.00	0.00
Band II	3.80	-0.10	3.80	5.08	0.00	0.00
Band III	3.10	2.30	3.10	5.72	0.00	0.00

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

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

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.80	-0.10	5.08	5.08	0.00	0.00
Band II	3.80	-0.10	5.08	5.08	0.00	0.00
Band III	3.10	2.30	5.72	5.72	0.00	0.00

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

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

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	N/A	Sep. 26, 2017	Jul. 10, 2018~ Aug. 29, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~ 40GHz	Sep. 26, 2017	Jul. 10, 2018~ Aug. 29, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz ~ 30GHz	Nov. 13, 2017	Jul. 10, 2018~ Aug. 29, 2018	Nov. 12, 2018	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Mar. 01, 2018	Jul. 10, 2018~ Aug. 29, 2018	Feb. 28, 2019	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 17, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	3.6GHz	Dec. 08, 2017	Jul. 17, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Jul. 17, 2018	Nov. 29, 2018	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 17, 2018	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Jul. 17, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Jul. 17, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Nov. 23, 2017	Aug. 02, 2018~ Aug. 27, 2018	Nov. 22, 2018	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	37059&01	30MHz~1GHz	Oct. 14, 2017	Aug. 02, 2018~ Aug. 27, 2018	Oct. 13, 2018	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1328	1GHz ~ 18GHz	Oct. 20, 2017	Aug. 02, 2018~ Aug. 27, 2018	Oct. 19, 2018	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz ~ 40GHz	Nov. 27, 2017	Aug. 02, 2018~ Aug. 27, 2018	Nov. 26, 2018	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 26, 2018	Aug. 02, 2018~ Aug. 27, 2018	Mar. 25, 2019	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY53270148	1GHz~26.5GHz	Jan. 15, 2018	Aug. 02, 2018~ Aug. 27, 2018	Jan. 14, 2019	Radiation (03CH12-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 21, 2018	Aug. 02, 2018~ Aug. 27, 2018	May 20, 2019	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 05, 2017	Aug. 02, 2018~ Aug. 27, 2018	Dec. 04, 2018	Radiation (03CH12-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100390	20Hz~26.5GHz	Dec. 25, 2017	Aug. 02, 2018~ Aug. 27, 2018	Dec. 24, 2018	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Oct. 31, 2017	Aug. 02, 2018~ Aug. 27, 2018	Oct. 30, 2018	Radiation (03CH12-HY)
Filter	Woken	WHKX8-5272. 5-6750-18000-40ST	SN2	6.75G Highpass	Mar. 21, 2018	Aug. 02, 2018~ Aug. 27, 2018	Mar. 20, 2019	Radiation (03CH12-HY)
Filter	Wainwright	WLJ4-1000-15 30-6000-40ST	SN3	1.53 GHz Lowpass	Mar. 21, 2018	Aug. 02, 2018~ Aug. 27, 2018	Mar. 20, 2019	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15539/4	30M-18G	Mar. 14, 2018	Aug. 02, 2018~ Aug. 27, 2018	Mar. 13, 2019	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 17, 2017	Aug. 02, 2018~ Aug. 27, 2018	Oct. 16, 2018	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 17, 2017	Aug. 02, 2018~ Aug. 27, 2018	Oct. 16, 2018	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Aug. 02, 2018~ Aug. 27, 2018	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Aug. 02, 2018~ Aug. 27, 2018	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Aug. 02, 2018~ Aug. 27, 2018	N/A	Radiation (03CH12-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.7**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1**

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

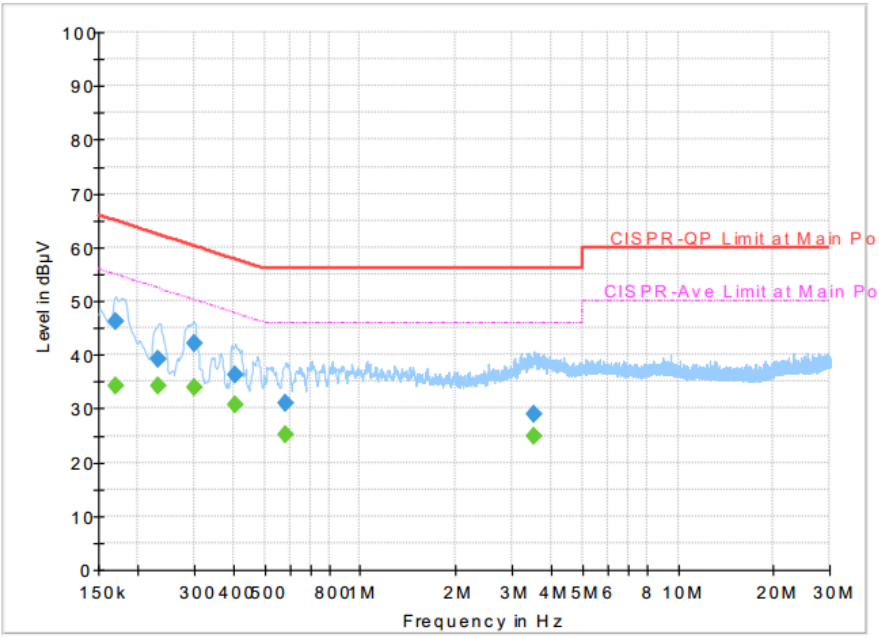
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.2**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.7**

Appendix A. AC Conducted Emission Test Results

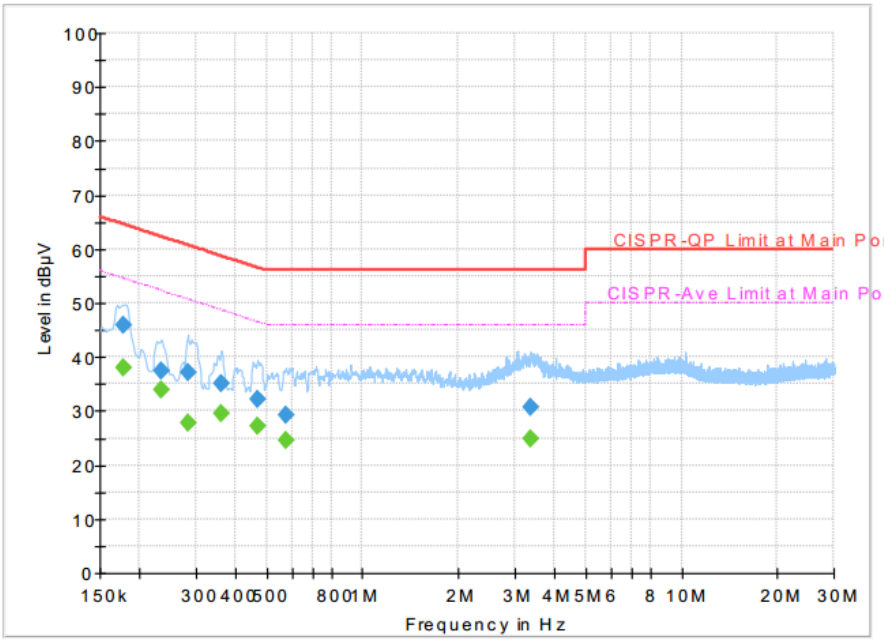
Test Engineer :	Kai-Chun Chu	**Temperature :**	25~27℃
		Relative Humidity :	50~52%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	34.17	54.95	20.78	L1	OFF	19.5
0.170250	46.29	---	64.95	18.66	L1	OFF	19.5
0.231000	---	34.25	52.41	18.16	L1	OFF	19.5
0.231000	39.15	---	62.41	23.26	L1	OFF	19.5
0.300750	---	33.78	50.22	16.44	L1	OFF	19.5
0.300750	42.10	---	60.22	18.12	L1	OFF	19.5
0.406500	---	30.58	47.72	17.14	L1	OFF	19.5
0.406500	36.34	---	57.72	21.38	L1	OFF	19.5
0.582000	---	25.19	46.00	20.81	L1	OFF	19.5
0.582000	30.99	---	56.00	25.01	L1	OFF	19.5
3.518250	---	24.99	46.00	21.01	L1	OFF	19.7
3.518250	29.02	---	56.00	26.98	L1	OFF	19.7

Test Engineer :	Kai-Chun Chu	Temperature :	25~27℃
		Relative Humidity :	50~52%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.177000	---	38.13	54.63	16.50	N	OFF	19.5
0.177000	45.99	---	64.63	18.64	N	OFF	19.5
0.233250	---	33.90	52.33	18.43	N	OFF	19.5
0.233250	37.51	---	62.33	24.82	N	OFF	19.5
0.282750	---	27.83	50.74	22.91	N	OFF	19.5
0.282750	37.14	---	60.74	23.60	N	OFF	19.5
0.361500	---	29.39	48.69	19.30	N	OFF	19.5
0.361500	35.05	---	58.69	23.64	N	OFF	19.5
0.469500	---	27.22	46.52	19.30	N	OFF	19.5
0.469500	32.28	---	56.52	24.24	N	OFF	19.5
0.575250	---	24.57	46.00	21.43	N	OFF	19.5
0.575250	29.34	---	56.00	26.66	N	OFF	19.5
3.374250	---	24.84	46.00	21.16	N	OFF	19.7
3.374250	30.73	---	56.00	25.27	N	OFF	19.7

Appendix B. Radiated Spurious Emission

Test Engineer :	Jack Cheng, Lance Chiang, and Peter Liao	Temperature :	22~25°C
		Relative Humidity :	53~67%

<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		5148.72	63.02	-10.98	74	52.39	31.79	9.98	31.14	107	70	P	H
		5150	47.51	-6.49	54	36.88	31.79	9.98	31.14	107	70	A	H
	*	5180	113.14	-	-	102.45	31.81	10.02	31.14	107	70	P	H
	*	5180	102.39	-	-	91.7	31.81	10.02	31.14	107	70	A	H
													H
		5150	61.2	-12.8	74	50.57	31.79	9.98	31.14	108	87	P	V
		5149.24	47.18	-6.82	54	36.55	31.79	9.98	31.14	108	87	A	V
	*	5180	112.49	-	-	101.8	31.81	10.02	31.14	108	87	P	V
	*	5180	101.49	-	-	90.8	31.81	10.02	31.14	108	87	A	V
													V
802.11a CH 44 5220MHz		5147.16	54.63	-19.37	74	44	31.79	9.98	31.14	100	70	P	H
		5149.24	42.24	-11.76	54	31.61	31.79	9.98	31.14	100	70	A	H
	*	5220	114.87	-	-	104.12	31.83	10.06	31.14	100	70	P	H
	*	5220	103.53	-	-	92.78	31.83	10.06	31.14	100	70	A	H
		5379.08	54.82	-19.18	74	43.86	31.93	10.18	31.15	100	70	P	H
		5354.44	42.59	-11.41	54	31.67	31.91	10.16	31.15	100	70	A	H
		5148.46	55.16	-18.84	74	44.53	31.79	9.98	31.14	108	27	P	V
		5148.72	42.13	-11.87	54	31.5	31.79	9.98	31.14	108	27	A	V
	*	5220	114.03	-	-	103.28	31.83	10.06	31.14	108	27	P	V
	*	5220	102.75	-	-	92	31.83	10.06	31.14	108	27	A	V
		5416.6	54.08	-19.92	74	43.06	31.95	10.22	31.15	108	27	P	V
		5351.08	42.06	-11.94	54	31.14	31.91	10.16	31.15	108	27	A	V

802.11a CH 48 5240MHz		5133.38	54.46	-19.54	74	43.86	31.78	9.96	31.14	100	74	P	H
		5149.76	41.35	-12.65	54	30.72	31.79	9.98	31.14	100	74	A	H
	*	5240	113.28	-	-	102.51	31.84	10.07	31.14	100	74	P	H
	*	5240	102.85	-	-	92.08	31.84	10.07	31.14	100	74	A	H
		5362	56.11	-17.89	74	45.17	31.92	10.17	31.15	100	74	P	H
		5355	42.57	-11.43	54	31.65	31.91	10.16	31.15	100	74	A	H
		5130.78	53.82	-20.18	74	43.22	31.78	9.96	31.14	100	86	P	V
		5149.76	41.45	-12.55	54	30.82	31.79	9.98	31.14	100	86	A	V
	*	5240	113.2	-	-	102.43	31.84	10.07	31.14	100	86	P	V
	*	5240	101.29	-	-	90.52	31.84	10.07	31.14	100	86	A	V
		5356.96	54.4	-19.6	74	43.47	31.91	10.17	31.15	100	86	P	V
		5350.24	42.23	-11.77	54	31.31	31.91	10.16	31.15	100	86	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	50.58	-17.62	68.2	52.08	39.86	15.6	56.96	100	0	P	H
		15540	46.73	-27.27	74	45.26	38.53	19.59	56.65	100	0	P	H
													H
													H
		10360	49.37	-18.83	68.2	50.87	39.86	15.6	56.96	100	0	P	V
		15540	46.08	-27.92	74	44.61	38.53	19.59	56.65	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	48.76	-19.44	68.2	50.03	39.98	15.67	56.92	100	0	P	H
		15660	47.61	-26.39	74	46.19	38.29	19.64	56.51	100	0	P	H
													H
													H
		10440	49.95	-18.25	68.2	51.22	39.98	15.67	56.92	100	0	P	V
		15660	47.37	-26.63	74	45.95	38.29	19.64	56.51	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	50.99	-17.21	68.2	52.13	40.07	15.7	56.91	100	0	P	H
		15720	46.7	-27.3	74	45.34	38.15	19.65	56.44	100	0	P	H
													H
													H
		10480	50.42	-17.78	68.2	51.56	40.07	15.7	56.91	100	0	P	V
		15720	46.99	-27.01	74	45.63	38.15	19.65	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (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	62.1	-11.9	74	51.47	31.79	9.98	31.14	100	62	P	H
		5149.76	45.25	-8.75	54	34.62	31.79	9.98	31.14	100	62	A	H
	*	5180	112.55	-	-	101.86	31.81	10.02	31.14	100	62	P	H
	*	5180	101.39	-	-	90.7	31.81	10.02	31.14	100	62	A	H
802.11n													H
HT20													H
CH 36		5149.76	61.83	-12.17	74	51.2	31.79	9.98	31.14	100	87	P	V
5180MHz		5149.5	44.92	-9.08	54	34.29	31.79	9.98	31.14	100	87	A	V
	*	5180	112.64	-	-	101.95	31.81	10.02	31.14	100	87	P	V
	*	5180	101.1	-	-	90.41	31.81	10.02	31.14	100	87	A	V
													V
													V
		5143.52	55.11	-18.89	74	44.49	31.79	9.97	31.14	100	81	P	H
		5147.16	41.62	-12.38	54	30.99	31.79	9.98	31.14	100	81	A	H
	*	5220	111.03	-	-	100.28	31.83	10.06	31.14	100	81	P	H
	*	5220	99.99	-	-	89.24	31.83	10.06	31.14	100	81	A	H
802.11n		5375.16	54.49	-19.51	74	43.54	31.92	10.18	31.15	100	81	P	H
HT20		5353.88	42.08	-11.92	54	31.16	31.91	10.16	31.15	100	81	A	H
CH 44		5137.02	53.92	-20.08	74	43.32	31.78	9.96	31.14	100	86	P	V
5220MHz		5149.24	41.69	-12.31	54	31.06	31.79	9.98	31.14	100	86	A	V
	*	5220	111.18	-	-	100.43	31.83	10.06	31.14	100	86	P	V
	*	5220	99.66	-	-	88.91	31.83	10.06	31.14	100	86	A	V
		5361.16	54.46	-19.54	74	43.52	31.92	10.17	31.15	100	86	P	V
		5351.92	41.88	-12.12	54	30.96	31.91	10.16	31.15	100	86	A	V

		5145.6	53.34	-20.66	74	42.72	31.79	9.97	31.14	100	77	P	H
		5137.54	41.04	-12.96	54	30.43	31.78	9.97	31.14	100	77	A	H
	*	5240	112.25	-	-	101.48	31.84	10.07	31.14	100	77	P	H
	*	5240	100.99	-	-	90.22	31.84	10.07	31.14	100	77	A	H
802.11n		5432	55.4	-18.6	74	44.35	31.96	10.24	31.15	100	77	P	H
HT20		5350	42.64	-11.36	54	31.72	31.91	10.16	31.15	100	77	A	H
CH 48		5146.12	53.58	-20.42	74	42.95	31.79	9.98	31.14	100	86	P	V
5240MHz		5148.72	41.26	-12.74	54	30.63	31.79	9.98	31.14	100	86	A	V
	*	5240	111.43	-	-	100.66	31.84	10.07	31.14	100	86	P	V
	*	5240	99.92	-	-	89.15	31.84	10.07	31.14	100	86	A	V
		5404.84	54.09	-19.91	74	43.09	31.94	10.21	31.15	100	86	P	V
		5353.88	42.12	-11.88	54	31.2	31.91	10.16	31.15	100	86	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	49.36	-18.84	68.2	50.86	39.86	15.6	56.96	100	0	P	H
		15540	46.54	-27.46	74	45.07	38.53	19.59	56.65	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	48.41	-19.79	68.2	49.91	39.86	15.6	56.96	100	0	P	V
5180MHz		15540	46.06	-27.94	74	44.59	38.53	19.59	56.65	100	0	P	V
													V
													V
		10440	49.6	-18.6	68.2	50.87	39.98	15.67	56.92	100	0	P	H
		15660	46.27	-27.73	74	44.85	38.29	19.64	56.51	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	48.49	-19.71	68.2	49.76	39.98	15.67	56.92	100	0	P	V
5220MHz		15660	47.49	-26.51	74	46.07	38.29	19.64	56.51	100	0	P	V
													V
													V
		10480	51.31	-16.89	68.2	52.45	40.07	15.7	56.91	100	0	P	H
		15720	46.48	-27.52	74	45.12	38.15	19.65	56.44	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	50.34	-17.86	68.2	51.48	40.07	15.7	56.91	100	0	P	V
5240MHz		15720	46.76	-27.24	74	45.4	38.15	19.65	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	62.95	-11.05	74	52.32	31.79	9.98	31.14	100	69	P	H
		5150	52.69	-1.31	54	42.06	31.79	9.98	31.14	100	69	A	H
	*	5190	108.56	-	-	97.86	31.81	10.03	31.14	100	69	P	H
	*	5190	97.8	-	-	87.1	31.81	10.03	31.14	100	69	A	H
		5363.12	53.98	-20.02	74	43.04	31.92	10.17	31.15	100	69	P	H
		5363.12	42.91	-11.09	54	31.97	31.92	10.17	31.15	100	69	A	H
		5150	62.37	-11.63	74	51.74	31.79	9.98	31.14	106	86	P	V
		5150	52.52	-1.48	54	41.89	31.79	9.98	31.14	106	86	A	V
	*	5190	108.33	-	-	97.63	31.81	10.03	31.14	106	86	P	V
	*	5190	97.49	-	-	86.79	31.81	10.03	31.14	106	86	A	V
		5388.88	53.47	-20.53	74	42.5	31.93	10.19	31.15	106	86	P	V
		5435.36	42.67	-11.33	54	31.62	31.96	10.24	31.15	106	86	A	V
802.11n HT40 CH 46 5230MHz		5149.5	57.32	-16.68	74	46.69	31.79	9.98	31.14	100	64	P	H
		5149.24	43.76	-10.24	54	33.13	31.79	9.98	31.14	100	64	A	H
	*	5230	109.98	-	-	99.22	31.84	10.06	31.14	100	64	P	H
	*	5230	99.21	-	-	88.45	31.84	10.06	31.14	100	64	A	H
		5350.8	57.13	-16.87	74	46.21	31.91	10.16	31.15	100	64	P	H
		5352.48	44.42	-9.58	54	33.5	31.91	10.16	31.15	100	64	A	H
		5149.24	56.2	-17.8	74	45.57	31.79	9.98	31.14	100	93	P	V
		5149.76	43.45	-10.55	54	32.82	31.79	9.98	31.14	100	93	A	V
	*	5230	108.16	-	-	97.4	31.84	10.06	31.14	100	93	P	V
	*	5230	97.26	-	-	86.5	31.84	10.06	31.14	100	93	A	V
		5377.4	55.01	-18.99	74	44.06	31.92	10.18	31.15	100	93	P	V
		5350.52	43.67	-10.33	54	32.75	31.91	10.16	31.15	100	93	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	48.35	-25.65	74	49.79	39.89	15.62	56.95	100	0	P	H
		15570	46.18	-27.82	74	44.74	38.46	19.6	56.62	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	47.53	-26.47	74	48.97	39.89	15.62	56.95	100	0	P	V
5190MHz		15570	45.82	-28.18	74	44.38	38.46	19.6	56.62	100	0	P	V
													V
													V
		10460	49.2	-19	68.2	50.43	40.01	15.68	56.92	100	0	P	H
		15690	46.73	-27.27	74	45.34	38.22	19.64	56.47	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	48.98	-19.22	68.2	50.21	40.01	15.68	56.92	100	0	P	V
5230MHz		15690	47.47	-26.53	74	46.08	38.22	19.64	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		5148.72	59.81	-14.19	74	49.18	31.79	9.98	31.14	100	71	P	H
		5150	50.96	-3.04	54	40.33	31.79	9.98	31.14	100	71	P	H
	*	5210	105.15	-	-	94.41	31.83	10.05	31.14	100	71	P	H
	*	5210	94.42	-	-	83.68	31.83	10.05	31.14	100	71	A	H
		5391.96	54.19	-19.81	74	43.22	31.93	10.19	31.15	100	71	P	H
		5453	43.67	-10.33	54	32.59	31.97	10.26	31.15	100	71	A	H
		5149.76	60.08	-13.92	74	49.45	31.79	9.98	31.14	100	85	P	V
		5150	50.05	-3.95	54	39.42	31.79	9.98	31.14	100	85	A	V
	*	5210	104.34	-	-	93.6	31.83	10.05	31.14	100	85	P	V
	*	5210	93.85	-	-	83.11	31.83	10.05	31.14	100	85	A	V
		5414.92	54.12	-19.88	74	43.1	31.95	10.22	31.15	100	85	P	V
		5453	43.47	-10.53	54	32.39	31.97	10.26	31.15	100	85	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	48.76	-25.24	74	50.09	39.95	15.65	56.93	100	0	P	H
		15630	46.26	-27.74	74	44.86	38.32	19.62	56.54	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.65	-25.35	74	49.98	39.95	15.65	56.93	100	0	P	V
5210MHz		15630	46.14	-27.86	74	44.74	38.32	19.62	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		5044.54	52.91	-21.09	74	42.47	31.73	9.85	31.14	101	70	P	H
		5148.92	41.14	-12.86	54	30.51	31.79	9.98	31.14	101	70	A	H
	*	5260	114.89	-	-	104.09	31.86	10.09	31.15	101	70	P	H
	*	5260	103.63	-	-	92.83	31.86	10.09	31.15	101	70	A	H
		5351.28	57	-17	74	46.08	31.91	10.16	31.15	101	70	P	H
		5351.28	42.78	-11.22	54	31.86	31.91	10.16	31.15	101	70	A	H
		5144.5	52.84	-21.16	74	42.22	31.79	9.97	31.14	102	88	P	V
		5130.22	40.99	-13.01	54	30.39	31.78	9.96	31.14	102	88	A	V
	*	5260	113.27	-	-	102.47	31.86	10.09	31.15	102	88	P	V
	*	5260	102.03	-	-	91.23	31.86	10.09	31.15	102	88	A	V
		5350.8	54.98	-19.02	74	44.06	31.91	10.16	31.15	102	88	P	V
		5352.96	42.32	-11.68	54	31.4	31.91	10.16	31.15	102	88	A	V
802.11a CH 60 5300MHz		5072.76	53.01	-20.99	74	42.51	31.75	9.89	31.14	100	74	P	H
		5143.48	41.03	-12.97	54	30.41	31.79	9.97	31.14	100	74	A	H
	*	5300	116.01	-	-	105.16	31.88	10.12	31.15	100	74	P	H
	*	5300	104.74	-	-	93.89	31.88	10.12	31.15	100	74	A	H
		5350.32	63.73	-10.27	74	52.81	31.91	10.16	31.15	100	74	P	H
		5350.08	45.87	-8.13	54	34.95	31.91	10.16	31.15	100	74	A	H
		5130.56	53.57	-20.43	74	42.97	31.78	9.96	31.14	100	85	P	V
		5145.86	41.09	-12.91	54	30.46	31.79	9.98	31.14	100	85	A	V
	*	5300	114.53	-	-	103.68	31.88	10.12	31.15	100	85	P	V
	*	5300	103.3	-	-	92.45	31.88	10.12	31.15	100	85	A	V
		5350.56	62.2	-11.8	74	51.28	31.91	10.16	31.15	100	85	P	V
		5352.96	44.91	-9.09	54	33.99	31.91	10.16	31.15	100	85	A	V

802.11a CH 64 5320MHz	*	5320	114.34	-	-	103.46	31.89	10.14	31.15	104	68	P	H
	*	5320	103.43	-	-	92.55	31.89	10.14	31.15	104	68	A	H
		5351.68	66.75	-7.25	74	55.83	31.91	10.16	31.15	104	68	P	H
		5350.24	51.72	-2.28	54	40.8	31.91	10.16	31.15	104	68	A	H
													H
													H
	*	5320	113.51	-	-	102.63	31.89	10.14	31.15	111	88	P	V
	*	5320	102.44	-	-	91.56	31.89	10.14	31.15	111	88	A	V
		5355.2	66.28	-7.72	74	55.36	31.91	10.16	31.15	111	88	P	V
		5350.08	50.9	-3.1	54	39.98	31.91	10.16	31.15	111	88	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	49.23	-18.97	68.2	50.27	40.11	15.73	56.88	100	0	P	H
		15780	47.91	-26.09	74	46.54	38.05	19.68	56.36	100	0	P	H
													H
													H
		10520	48.29	-19.91	68.2	49.33	40.11	15.73	56.88	100	0	P	V
		15780	46.01	-27.99	74	44.64	38.05	19.68	56.36	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	50.33	-23.67	74	51.17	40.18	15.8	56.82	100	2	P	H
		10600	36.3	-17.7	54	37.14	40.18	15.8	56.82	100	2	A	H
		15900	47.44	-26.56	74	46.12	37.81	19.73	56.22	100	0	P	H
													H
		10600	50.91	-23.09	74	51.75	40.18	15.8	56.82	121	344	P	V
		10600	36.41	-17.59	54	37.25	40.18	15.8	56.82	121	344	A	V
		15900	46.17	-27.83	74	44.85	37.81	19.73	56.22	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	52.21	-21.79	74	52.97	40.21	15.82	56.79	102	134	P	H
		10640	38.7	-15.3	54	39.46	40.21	15.82	56.79	102	134	A	H
		15960	44.56	-29.44	74	43.3	37.67	19.74	56.15	100	0	P	H
													H
		10640	48.92	-25.08	74	49.68	40.21	15.82	56.79	100	0	P	V
		15960	44.66	-29.34	74	43.4	37.67	19.74	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)
		5132.6	53.05	-20.95	74	42.45	31.78	9.96	31.14	102	63	P	H
		5145.86	41.13	-12.87	54	30.5	31.79	9.98	31.14	102	63	A	H
	*	5260	114.95	-	-	104.15	31.86	10.09	31.15	102	63	P	H
	*	5260	103.92	-	-	93.12	31.86	10.09	31.15	102	63	A	H
802.11n		5353.68	56.92	-17.08	74	46	31.91	10.16	31.15	102	63	P	H
HT20		5356.08	43.86	-10.14	54	32.94	31.91	10.16	31.15	102	63	A	H
CH 52		5118.32	53.88	-20.12	74	43.31	31.77	9.94	31.14	105	93	P	V
5260MHz		5145.86	41.38	-12.62	54	30.75	31.79	9.98	31.14	105	93	A	V
	*	5260	112.08	-	-	101.28	31.86	10.09	31.15	105	93	P	V
	*	5260	101.92	-	-	91.12	31.86	10.09	31.15	105	93	A	V
		5355.84	56.27	-17.73	74	45.35	31.91	10.16	31.15	105	93	P	V
		5355.84	42.68	-11.32	54	31.76	31.91	10.16	31.15	105	93	A	V
		5144.84	52.64	-21.36	74	42.02	31.79	9.97	31.14	102	66	P	H
		5139.06	40.92	-13.08	54	30.31	31.78	9.97	31.14	102	66	A	H
	*	5300	115.07	-	-	104.22	31.88	10.12	31.15	102	66	P	H
	*	5300	103.8	-	-	92.95	31.88	10.12	31.15	102	66	A	H
802.11n		5352	66.24	-7.76	74	55.32	31.91	10.16	31.15	102	66	P	H
HT20		5352.48	46.72	-7.28	54	35.8	31.91	10.16	31.15	102	66	A	H
CH 60		5140.42	52.95	-21.05	74	42.33	31.79	9.97	31.14	100	92	P	V
5300MHz		5146.54	40.75	-13.25	54	30.12	31.79	9.98	31.14	100	92	A	V
	*	5300	111.71	-	-	100.86	31.88	10.12	31.15	100	92	P	V
	*	5300	100.26	-	-	89.41	31.88	10.12	31.15	100	92	A	V
		5352.48	62.64	-11.36	74	51.72	31.91	10.16	31.15	100	92	P	V
		5351.28	44.57	-9.43	54	33.65	31.91	10.16	31.15	100	92	A	V

	*	5320	114.59	-	-	103.71	31.89	10.14	31.15	100	70	P	H
	*	5320	103.15	-	-	92.27	31.89	10.14	31.15	100	70	A	H
		5351.36	66.57	-7.43	74	55.65	31.91	10.16	31.15	100	70	P	H
		5350.08	50.9	-3.1	54	39.98	31.91	10.16	31.15	100	70	A	H
802.11n													H
HT20													H
CH 64	*	5320	112.86	-	-	101.98	31.89	10.14	31.15	105	85	P	V
5320MHz	*	5320	101.39	-	-	90.51	31.89	10.14	31.15	105	85	A	V
		5358.88	64.32	-9.68	74	53.39	31.91	10.17	31.15	105	85	P	V
		5350.24	49.49	-4.51	54	38.57	31.91	10.16	31.15	105	85	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11n 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	48.61	-19.59	68.2	49.65	40.11	15.73	56.88	100	0	P	H
		15780	46.17	-27.83	74	44.8	38.05	19.68	56.36	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	49.52	-18.68	68.2	50.56	40.11	15.73	56.88	100	0	P	V
5260MHz		15780	47.22	-26.78	74	45.85	38.05	19.68	56.36	100	0	P	V
													V
													V
		10600	51.6	-22.4	74	52.44	40.18	15.8	56.82	100	224	P	H
		10600	38.18	-15.82	54	39.02	40.18	15.8	56.82	100	224	A	H
802.11n		15900	45.58	-28.42	74	44.26	37.81	19.73	56.22	100	0	P	H
HT20													H
CH 60		10600	52.09	-21.91	74	52.93	40.18	15.8	56.82	104	257	P	V
5300MHz		10600	37.98	-16.02	54	38.82	40.18	15.8	56.82	104	257	A	V
		15900	44.84	-29.16	74	43.52	37.81	19.73	56.22	100	0	P	V
													V
		10640	52.43	-21.57	74	53.19	40.21	15.82	56.79	100	309	P	H
		10640	38.11	-15.89	54	38.87	40.21	15.82	56.79	100	309	A	H
802.11n		15960	44.58	-29.42	74	43.32	37.67	19.74	56.15	100	0	P	H
HT20													H
CH 64		10640	52.67	-21.33	74	53.43	40.21	15.82	56.79	100	257	P	V
5320MHz		10640	38.55	-15.45	54	39.31	40.21	15.82	56.79	100	257	A	V
		15960	46.09	-27.91	74	44.83	37.67	19.74	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		5133.62	53.16	-20.84	74	42.56	31.78	9.96	31.14	100	63	P	H
		5143.48	42.24	-11.76	54	31.62	31.79	9.97	31.14	100	63	A	H
	*	5270	110.58	-	-	99.77	31.86	10.1	31.15	100	63	P	H
	*	5270	99.76	-	-	88.95	31.86	10.1	31.15	100	63	A	H
		5350.8	62.24	-11.76	74	51.32	31.91	10.16	31.15	100	63	P	H
		5350.56	46.54	-7.46	54	35.62	31.91	10.16	31.15	100	63	A	H
		5088.4	52.94	-21.06	74	42.42	31.75	9.91	31.14	100	86	P	V
		5148.24	42.21	-11.79	54	31.58	31.79	9.98	31.14	100	86	A	V
	*	5270	109.16	-	-	98.35	31.86	10.1	31.15	100	86	P	V
	*	5270	98.29	-	-	87.48	31.86	10.1	31.15	100	86	A	V
		5350.08	60.86	-13.14	74	49.94	31.91	10.16	31.15	100	86	P	V
		5350.56	45.58	-8.42	54	34.66	31.91	10.16	31.15	100	86	A	V
802.11n HT40 CH 62 5310MHz		5144.84	53.17	-20.83	74	42.55	31.79	9.97	31.14	100	71	P	H
		5149.26	42.1	-11.9	54	31.47	31.79	9.98	31.14	100	71	A	H
	*	5310	107.07	-	-	96.2	31.89	10.13	31.15	100	71	P	H
	*	5310	96.25	-	-	85.38	31.89	10.13	31.15	100	71	A	H
		5359.44	62.83	-11.17	74	51.9	31.91	10.17	31.15	100	71	P	H
		5350.08	52.3	-1.7	54	41.38	31.91	10.16	31.15	100	71	A	H
		5123.08	52.76	-21.24	74	42.17	31.78	9.95	31.14	118	86	P	V
		5147.9	41.84	-12.16	54	31.21	31.79	9.98	31.14	118	86	A	V
	*	5310	105.39	-	-	94.52	31.89	10.13	31.15	118	86	P	V
	*	5310	94.56	-	-	83.69	31.89	10.13	31.15	118	86	A	V
		5357.04	60.88	-13.12	74	49.95	31.91	10.17	31.15	118	86	P	V
		5350.32	49.77	-4.23	54	38.85	31.91	10.16	31.15	118	86	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	48.98	-25.02	74	49.97	40.13	15.75	56.87	100	0	P	H
		15810	46.63	-27.37	74	45.29	37.98	19.69	56.33	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	48.9	-25.1	74	49.89	40.13	15.75	56.87	100	0	P	V
5270MHz		15810	47.48	-26.52	74	46.14	37.98	19.69	56.33	100	0	P	V
													V
													V
		10620	51.24	-22.76	74	52.04	40.2	15.8	56.8	100	301	P	H
		10620	37.66	-16.34	54	38.46	40.2	15.8	56.8	100	301	A	H
802.11n		15930	46.14	-27.86	74	44.84	37.74	19.74	56.18	100	0	P	H
HT40													H
CH 62		10620	50.59	-23.41	74	51.39	40.2	15.8	56.8	100	154	P	V
5310MHz		10620	37.44	-16.56	54	38.24	40.2	15.8	56.8	100	154	A	V
		15930	46.5	-27.5	74	45.2	37.74	19.74	56.18	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac 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		5128.86	54.33	-19.67	74	43.74	31.78	9.95	31.14	100	74	P	H
		5148.24	41.63	-12.37	54	31	31.79	9.98	31.14	100	74	A	H
	*	5290	102.19	-	-	91.36	31.87	10.11	31.15	100	74	P	H
	*	5290	92.63	-	-	81.8	31.87	10.11	31.15	100	74	A	H
		5368.56	61.43	-12.57	74	50.49	31.92	10.17	31.15	100	74	P	H
		5350.32	52.22	-1.78	54	41.3	31.91	10.16	31.15	100	74	A	H
		5069.02	52.53	-21.47	74	42.05	31.74	9.88	31.14	100	85	P	V
		5134.64	41.77	-12.23	54	31.17	31.78	9.96	31.14	100	85	A	V
	*	5290	101.35	-	-	90.52	31.87	10.11	31.15	100	85	P	V
	*	5290	90.97	-	-	80.14	31.87	10.11	31.15	100	85	A	V
		5350.8	60.23	-13.77	74	49.31	31.91	10.16	31.15	100	85	P	V
		5350.32	50.94	-3.06	54	40.02	31.91	10.16	31.15	100	85	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac 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	48.89	-25.11	74	49.78	40.17	15.78	56.84	100	0	P	H
		15870	47.25	-26.75	74	45.96	37.84	19.71	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	48.57	-25.43	74	49.46	40.17	15.78	56.84	100	0	P	V
5290MHz		15870	46.42	-27.58	74	45.13	37.84	19.71	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		5469.84	64	-10	74	52.89	31.98	10.28	31.15	100	75	P	H
		5470	50.23	-3.77	54	39.12	31.98	10.28	31.15	100	75	A	H
	*	5500	114.39	-	-	103.23	32	10.31	31.15	100	75	P	H
	*	5500	103.47	-	-	92.31	32	10.31	31.15	100	75	A	H
													H
													H
		5469.52	62.47	-11.53	74	51.36	31.98	10.28	31.15	100	89	P	V
		5470	48.74	-5.26	54	37.63	31.98	10.28	31.15	100	89	A	V
	*	5500	113.12	-	-	101.96	32	10.31	31.15	100	89	P	V
	*	5500	101.97	-	-	90.81	32	10.31	31.15	100	89	A	V
													V
													V
802.11a CH 116 5580MHz		5362.72	53.76	-20.24	74	42.82	31.92	10.17	31.15	100	75	P	H
		5452.96	42.01	-11.99	54	30.93	31.97	10.26	31.15	100	75	A	H
	*	5580	113.5	-	-	102.2	32.1	10.4	31.2	100	75	P	H
	*	5580	102.56	-	-	91.26	32.1	10.4	31.2	100	75	A	H
		5733.815	53.98	-20.02	74	42.41	32.31	10.53	31.27	100	75	P	H
		5760.275	42.36	-11.64	54	30.73	32.36	10.55	31.28	100	75	A	H
		5461.84	53.29	-20.71	74	42.2	31.97	10.27	31.15	100	346	P	V
		5452.72	42.11	-11.89	54	31.03	31.97	10.26	31.15	100	346	A	V
	*	5580	113.87	-	-	102.57	32.1	10.4	31.2	100	346	P	V
	*	5580	102.76	-	-	91.46	32.1	10.4	31.2	100	346	A	V
		5747.675	54.55	-19.45	74	42.94	32.34	10.54	31.27	100	346	P	V
		5759.96	42.46	-11.54	54	30.83	32.36	10.55	31.28	100	346	A	V

802.11a CH 140 5700MHz	*	5700	113.06	-	-	101.54	32.27	10.5	31.25	102	81	P	H
	*	5700	102.05	-	-	90.53	32.27	10.5	31.25	102	81	A	H
		5725.08	66.72	-1.48	68.2	55.15	32.31	10.52	31.26	102	81	P	H
													H
													H
													H
	*	5700	113.1	-	-	101.58	32.27	10.5	31.25	100	352	P	V
	*	5700	102.15	-	-	90.63	32.27	10.5	31.25	100	352	A	V
		5725.32	66.76	-1.44	68.2	55.19	32.31	10.52	31.26	100	352	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	58.44	-15.56	74	58.34	40.5	16.1	56.5	231	179	P	H
		11000	45.01	-8.99	54	44.91	40.5	16.1	56.5	231	179	A	H
		16500	47.66	-26.34	74	43.58	39.6	20.18	55.7	100	0	P	H
													H
		11000	59.04	-14.96	74	58.94	40.5	16.1	56.5	287	15	P	V
		11000	44.99	-9.01	54	44.89	40.5	16.1	56.5	287	15	A	V
		16500	46.89	-27.11	74	42.81	39.6	20.18	55.7	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	63.59	-10.41	74	63.43	40.37	16.23	56.44	100	215	P	H
		11160	49.89	-4.11	54	49.73	40.37	16.23	56.44	100	215	A	H
		16740	47.66	-26.34	74	43.05	40.13	20.37	55.89	100	0	P	H
													H
		11160	63.55	-10.45	74	63.39	40.37	16.23	56.44	100	355	P	V
		11160	49.44	-4.56	54	49.28	40.37	16.23	56.44	100	355	A	V
		16740	48.21	-25.79	74	43.6	40.13	20.37	55.89	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	63.78	-10.22	74	63.52	40.18	16.42	56.34	100	20	P	H
		11400	49.6	-4.4	54	49.34	40.18	16.42	56.34	100	20	A	H
		17100	50.03	-18.17	68.2	44.6	41.06	20.67	56.3	100	0	P	H
													H
		11400	60.26	-13.74	74	60	40.18	16.42	56.34	100	360	P	V
		11400	46.12	-7.88	54	45.86	40.18	16.42	56.34	100	360	A	V
		17100	50.55	-17.65	68.2	45.12	41.06	20.67	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	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5468.08	63.79	-10.21	74	52.69	31.98	10.27	31.15	100	70	P	H
		5469.84	48.93	-5.07	54	37.82	31.98	10.28	31.15	100	70	A	H
	*	5500	113.95	-	-	102.79	32	10.31	31.15	100	70	P	H
	*	5500	102.69	-	-	91.53	32	10.31	31.15	100	70	A	H
802.11n													H
HT20													H
CH 100		5466.32	63.46	-10.54	74	52.36	31.98	10.27	31.15	105	91	P	V
5500MHz		5470	48.28	-5.72	54	37.17	31.98	10.28	31.15	105	91	A	V
	*	5500	112.43	-	-	101.27	32	10.31	31.15	105	91	P	V
	*	5500	100.92	-	-	89.76	32	10.31	31.15	105	91	A	V
													V
													V
		5449.6	53.84	-20.16	74	42.77	31.97	10.25	31.15	113	73	P	H
		5452.72	41.95	-12.05	54	30.87	31.97	10.26	31.15	113	73	A	H
	*	5580	113.26	-	-	101.96	32.1	10.4	31.2	113	73	P	H
	*	5580	101.92	-	-	90.62	32.1	10.4	31.2	113	73	A	H
802.11n		5736.335	53.91	-20.09	74	42.31	32.34	10.53	31.27	113	73	P	H
HT20		5760.275	42.55	-11.45	54	30.92	32.36	10.55	31.28	113	73	A	H
CH 116		5429.44	54.1	-19.9	74	43.06	31.96	10.23	31.15	100	87	P	V
5580MHz		5452.72	42.03	-11.97	54	30.95	31.97	10.26	31.15	100	87	A	V
	*	5580	111.88	-	-	100.58	32.1	10.4	31.2	100	87	P	V
	*	5580	100.41	-	-	89.11	32.1	10.4	31.2	100	87	A	V
		5760.59	53.76	-20.24	74	42.13	32.36	10.55	31.28	100	87	P	V
		5760.275	42.27	-11.73	54	30.64	32.36	10.55	31.28	100	87	A	V

	*	5700	111.56	-	-	100.04	32.27	10.5	31.25	102	74	P	H
	*	5700	100.12	-	-	88.6	32.27	10.5	31.25	102	74	A	H
		5725.24	64.69	-9.31	74	53.12	32.31	10.52	31.26	102	74	P	H
		5725	49.87	-4.13	54	38.3	32.31	10.52	31.26	102	74	A	H
802.11n													H
HT20													H
CH 140	*	5700	112.5	-	-	100.98	32.27	10.5	31.25	100	350	P	V
5700MHz	*	5700	101.02	-	-	89.5	32.27	10.5	31.25	100	350	A	V
		5725	66.07	-7.93	74	54.5	32.31	10.52	31.26	100	350	P	V
		5725	51.17	-2.83	54	39.6	32.31	10.52	31.26	100	350	A	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	60.49	-13.51	74	60.39	40.5	16.1	56.5	227	169	P	H
		11000	44.58	-9.42	54	44.48	40.5	16.1	56.5	227	169	A	H
802.11n		16500	46.56	-27.44	74	42.48	39.6	20.18	55.7	100	0	P	H
HT20													H
CH 100		11000	57.54	-16.46	74	57.44	40.5	16.1	56.5	260	327	P	V
5500MHz		11000	41.72	-12.28	54	41.62	40.5	16.1	56.5	260	327	A	V
		16500	46.56	-27.44	74	42.48	39.6	20.18	55.7	100	0	P	V
													V
		11160	64.19	-9.81	74	64.03	40.37	16.23	56.44	232	180	P	H
		11160	48.06	-5.94	54	47.9	40.37	16.23	56.44	232	180	A	H
802.11n		16740	47.23	-26.77	74	42.62	40.13	20.37	55.89	100	0	P	H
HT20													H
CH 116		11160	58.74	-15.26	74	58.58	40.37	16.23	56.44	273	328	P	V
5580MHz		11160	43.12	-10.88	54	42.96	40.37	16.23	56.44	273	328	A	V
		16740	48.04	-25.96	74	43.43	40.13	20.37	55.89	100	0	P	V
													V
		11400	60.72	-13.28	74	60.46	40.18	16.42	56.34	219	219	P	H
		11400	44.66	-9.34	54	44.4	40.18	16.42	56.34	219	219	A	H
802.11n		17100	48.76	-25.24	74	43.33	41.06	20.67	56.3	100	0	P	H
HT20													H
CH 140		11400	54.85	-19.15	74	54.59	40.18	16.42	56.34	226	305	P	V
5700MHz		11400	39.39	-14.61	54	39.13	40.18	16.42	56.34	226	305	A	V
		17100	48.45	-25.55	74	43.02	41.06	20.67	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)
		5458.24	62.32	-11.68	74	51.24	31.97	10.26	31.15	107	71	P	H
		5470	65.79	-2.41	68.2	54.68	31.98	10.28	31.15	107	71	P	H
		5460	48.66	-5.34	54	37.57	31.97	10.27	31.15	107	71	P	H
	*	5510	107.75	-	-	96.59	32	10.32	31.16	107	71	P	H
802.11n	*	5510	97.02	-	-	85.86	32	10.32	31.16	107	71	A	H
HT40		5756.81	53.68	-14.52	68.2	42.05	32.36	10.55	31.28	107	71	P	H
CH 102		5456.56	60.97	-13.03	74	49.89	31.97	10.26	31.15	105	347	P	V
5510MHz		5469.76	63.91	-4.29	68.2	52.8	31.98	10.28	31.15	105	347	P	V
		5459.92	47.61	-6.39	54	36.52	31.97	10.27	31.15	105	347	A	V
	*	5510	107.16	-	-	96	32	10.32	31.16	105	347	P	V
	*	5510	96.25	-	-	85.09	32	10.32	31.16	105	347	A	V
		5760.275	54.19	-14.01	68.2	42.56	32.36	10.55	31.28	105	347	P	V
		5465.44	58.9	-15.1	74	47.8	31.98	10.27	31.15	101	82	P	H
		5469.76	45.38	-8.62	54	34.27	31.98	10.28	31.15	101	82	A	H
	*	5550	110.18	-	-	98.92	32.07	10.36	31.17	101	82	P	H
	*	5550	99.23	-	-	87.97	32.07	10.36	31.17	101	82	A	H
802.11n		5748.305	54.41	-19.59	74	42.8	32.34	10.54	31.27	101	82	P	H
HT40		5760.275	43.03	-10.97	54	31.4	32.36	10.55	31.28	101	82	A	H
CH 110		5467.6	58.56	-15.44	74	47.46	31.98	10.27	31.15	108	348	P	V
5550MHz		5469.52	44.64	-9.36	54	33.53	31.98	10.28	31.15	108	348	A	V
	*	5550	109.63	-	-	98.37	32.07	10.36	31.17	108	348	P	V
	*	5550	98.71	-	-	87.45	32.07	10.36	31.17	108	348	A	V
		5761.22	54.18	-19.82	74	42.55	32.36	10.55	31.28	108	348	P	V
		5760.275	43.25	-10.75	54	31.62	32.36	10.55	31.28	108	348	A	V

		5403.2	53.6	-20.4	74	42.61	31.94	10.2	31.15	100	19	P	H
		5453.25	42.18	-11.82	54	31.1	31.97	10.26	31.15	100	19	A	H
	*	5670	108.65	-	-	97.16	32.24	10.48	31.23	100	19	P	H
	*	5670	97.74	-	-	86.25	32.24	10.48	31.23	100	19	A	H
802.11n		5731.75	59.7	-14.3	74	48.13	32.31	10.53	31.27	100	19	P	H
HT40		5725.625	45.9	-8.1	54	34.33	32.31	10.52	31.26	100	19	A	H
CH 134		5470	53.29	-20.71	74	42.18	31.98	10.28	31.15	100	349	P	V
5670MHz		5361.55	42.09	-11.91	54	31.15	31.92	10.17	31.15	100	349	A	V
	*	5670	109.48	-	-	97.99	32.24	10.48	31.23	100	349	P	V
	*	5670	98.55	-	-	87.06	32.24	10.48	31.23	100	349	A	V
		5732.975	61.46	-12.54	74	49.89	32.31	10.53	31.27	100	349	P	V
		5725	46.95	-7.05	54	35.38	32.31	10.52	31.26	100	349	A	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	53.82	-20.18	74	53.7	40.49	16.12	56.49	226	180	P	H
		11020	40.34	-13.66	54	40.22	40.49	16.12	56.49	226	180	A	H
802.11n		16530	46.59	-21.61	68.2	42.43	39.68	20.2	55.72	100	0	P	H
HT40													H
CH 102		11020	51.42	-22.58	74	51.3	40.49	16.12	56.49	220	340	P	V
5510MHz		11020	38.43	-15.57	54	38.31	40.49	16.12	56.49	220	340	A	V
		16530	46.52	-21.68	68.2	42.36	39.68	20.2	55.72	100	0	P	V
													V
		11100	56.84	-17.16	74	56.7	40.42	16.18	56.46	113	17	P	H
		11100	43.37	-10.63	54	43.23	40.42	16.18	56.46	113	17	A	H
802.11n		16650	47.16	-26.84	74	42.74	39.94	20.3	55.82	100	0	P	H
HT40													H
CH 110		11100	54.84	-19.16	74	54.7	40.42	16.18	56.46	100	2	P	V
5550MHz		11100	41.73	-12.27	54	41.59	40.42	16.18	56.46	100	2	A	V
		16650	46.96	-27.04	74	42.54	39.94	20.3	55.82	100	0	P	V
													V
		11340	58.06	-15.94	74	57.81	40.23	16.38	56.36	212	218	P	H
		11340	45.18	-8.82	54	44.93	40.23	16.38	56.36	212	218	A	H
802.11n		17010	47.13	-26.87	74	41.9	40.76	20.59	56.12	100	0	P	H
HT40													H
CH 134		11340	54.84	-19.16	74	54.59	40.23	16.38	56.36	219	350	P	V
5670MHz		11340	41.26	-12.74	54	41.01	40.23	16.38	56.36	219	350	A	V
		17010	47.48	-26.52	74	42.25	40.76	20.59	56.12	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (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	63.06	-10.94	74	51.97	31.97	10.27	31.15	101	71	P	H
		5460.88	64.32	-3.88	68.2	53.23	31.97	10.27	31.15	101	71	P	H
		5457.76	52.77	-1.23	54	41.69	31.97	10.26	31.15	101	71	A	H
	*	5530	104.13	-	-	92.94	32.02	10.34	31.17	101	71	P	H
802.11ac	*	5530	93.71	-	-	82.52	32.02	10.34	31.17	101	71	A	H
VHT80		5730.98	54.62	-13.58	68.2	43.06	32.31	10.52	31.27	101	71	P	H
CH 106		5458.96	62.97	-11.03	74	51.89	31.97	10.26	31.15	101	348	P	V
5530MHz		5468.32	64.74	-3.46	68.2	53.63	31.98	10.28	31.15	101	348	P	V
		5458	52.41	-1.59	54	41.33	31.97	10.26	31.15	101	348	A	V
	*	5530	103.22	-	-	92.03	32.02	10.34	31.17	101	348	P	V
	*	5530	93.07	-	-	81.88	32.02	10.34	31.17	101	348	A	V
		5731.295	53.45	-14.75	68.2	41.88	32.31	10.53	31.27	101	348	P	V
		5469.76	55.27	-18.73	74	44.16	31.98	10.28	31.15	102	75	P	H
		5464.48	43.98	-10.02	54	32.88	31.98	10.27	31.15	102	75	A	H
	*	5610	106.42	-	-	95.06	32.14	10.43	31.21	102	75	P	H
	*	5610	95.96	-	-	84.6	32.14	10.43	31.21	102	75	A	H
802.11ac		5728.46	55.45	-18.55	74	43.88	32.31	10.52	31.26	102	75	P	H
VHT80		5725	45.61	-8.39	54	34.04	32.31	10.52	31.26	102	75	A	H
CH 122		5461.6	54.07	-19.93	74	42.98	31.97	10.27	31.15	100	348	P	V
5610MHz		5468.8	43.33	-10.67	54	32.22	31.98	10.28	31.15	100	348	A	V
	*	5610	106.47	-	-	95.11	32.14	10.43	31.21	100	348	P	V
	*	5610	95.98	-	-	84.62	32.14	10.43	31.21	100	348	A	V
		5744.84	55.65	-18.35	74	44.04	32.34	10.54	31.27	100	348	P	V
		5726.57	45.83	-8.17	54	34.26	32.31	10.52	31.26	100	348	A	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	48.86	-25.14	74	48.74	40.45	16.15	56.48	100	0	P	H
		16590	45.18	-23.02	68.2	40.91	39.79	20.25	55.77	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.96	-26.04	74	47.84	40.45	16.15	56.48	100	0	P	V
5530MHz		16590	45.81	-22.39	68.2	41.54	39.79	20.25	55.77	100	0	P	V
													V
													V
		11220	57.25	-16.75	74	57.05	40.33	16.28	56.41	101	17	P	H
		11220	44.7	-9.3	54	44.5	40.33	16.28	56.41	101	17	A	H
802.11ac		16830	47.86	-26.14	74	43.05	40.32	20.45	55.96	100	0	P	H
VHT80													H
CH 122		11220	54.76	-19.24	74	54.56	40.33	16.28	56.41	100	10	P	V
5610MHz		11220	42.19	-11.81	54	41.99	40.33	16.28	56.41	100	10	A	V
		16830	47.68	-26.32	74	42.87	40.32	20.45	55.96	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		5410.84	53.65	-20.35	74	42.65	31.94	10.21	31.15	100	75	P	H
		5466.61	52.99	-15.21	68.2	41.89	31.98	10.27	31.15	100	75	P	H
		5452.57	41.5	-12.5	54	30.42	31.97	10.26	31.15	100	75	A	H
	*	5720	114.33	-	-	102.76	32.31	10.52	31.26	100	75	P	H
	*	5720	103.24	-	-	91.67	32.31	10.52	31.26	100	75	A	H
		5943.75	54.68	-13.52	68.2	42.73	32.63	10.69	31.37	100	75	P	H
		5414.74	53.73	-20.27	74	42.71	31.95	10.22	31.15	100	352	P	V
		5463.49	53.19	-15.01	68.2	42.09	31.98	10.27	31.15	100	352	P	V
		5452.96	41.48	-12.52	54	30.4	31.97	10.26	31.15	100	352	A	V
	*	5720	114.84	-	-	103.27	32.31	10.52	31.26	100	352	P	V
	*	5720	103.48	-	-	91.91	32.31	10.52	31.26	100	352	A	V
		5895.75	55.53	-12.67	68.2	43.66	32.56	10.65	31.34	100	352	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	62.92	-11.08	74	62.64	40.15	16.45	56.32	100	223	P	H
		11440	49.71	-4.29	54	49.43	40.15	16.45	56.32	100	223	A	H
		17160	52.24	-15.96	68.2	46.65	41.3	20.71	56.42	100	0	P	H
													H
		11440	60.32	-13.68	74	60.04	40.15	16.45	56.32	100	356	P	V
		11440	46.92	-7.08	54	46.64	40.15	16.45	56.32	100	356	A	V
		17160	52.68	-15.52	68.2	47.09	41.3	20.71	56.42	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5367.55	53.33	-20.67	74	42.39	31.92	10.17	31.15	107	65	P	H
		5460.76	52.96	-15.24	68.2	41.87	31.97	10.27	31.15	107	65	P	H
		5452.96	41.55	-12.45	54	30.47	31.97	10.26	31.15	107	65	A	H
	*	5720	113.11	-	-	101.54	32.31	10.52	31.26	107	65	P	H
802.11n	*	5720	101.68	-	-	90.11	32.31	10.52	31.26	107	65	A	H
HT20		5946.5	54.91	-13.29	68.2	42.96	32.63	10.69	31.37	107	65	P	H
CH 144		5391.34	53.23	-20.77	74	42.26	31.93	10.19	31.15	105	353	P	V
5720MHz		5469.73	52.76	-15.44	68.2	41.65	31.98	10.28	31.15	105	353	P	V
		5452.57	41.44	-12.56	54	30.36	31.97	10.26	31.15	105	353	A	V
	*	5720	113.25	-	-	101.68	32.31	10.52	31.26	105	353	P	V
	*	5720	101.98	-	-	90.41	32.31	10.52	31.26	105	353	A	V
		5889.5	54.73	-13.47	68.2	42.86	32.56	10.65	31.34	105	353	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	62.03	-11.97	74	61.75	40.15	16.45	56.32	214	217	P	H
		11440	45.9	-8.1	54	45.62	40.15	16.45	56.32	214	217	A	H
802.11n		17160	50.18	-18.02	68.2	44.59	41.3	20.71	56.42	100	0	P	H
HT20													H
CH 144		11440	57.09	-16.91	74	56.81	40.15	16.45	56.32	221	353	P	V
5720MHz		11440	41.49	-12.51	54	41.21	40.15	16.45	56.32	221	353	A	V
		17160	50.54	-17.66	68.2	44.95	41.3	20.71	56.42	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5432.68	53.29	-20.71	74	42.24	31.96	10.24	31.15	100	67	P	H
		5463.1	53.24	-14.96	68.2	42.14	31.98	10.27	31.15	100	67	P	H
		5452.96	42.3	-11.7	54	31.22	31.97	10.26	31.15	100	67	A	H
	*	5710	109.19	-	-	97.65	32.29	10.51	31.26	100	67	P	H
802.11n	*	5710	98.03	-	-	86.49	32.29	10.51	31.26	100	67	A	H
HT40		5933.75	55.2	-13	68.2	43.27	32.6	10.68	31.35	100	67	P	H
CH 142		5419.03	53.43	-20.57	74	42.41	31.95	10.22	31.15	107	89	P	V
5710MHz		5470	52.4	-15.8	68.2	41.29	31.98	10.28	31.15	107	89	P	V
		5458.42	41.99	-12.01	54	30.91	31.97	10.26	31.15	107	89	A	V
	*	5710	107.68	-	-	96.14	32.29	10.51	31.26	107	89	P	V
	*	5710	96.91	-	-	85.37	32.29	10.51	31.26	107	89	A	V
		5938.5	54.57	-13.63	68.2	42.66	32.6	10.68	31.37	107	89	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	57.07	-16.93	74	56.8	40.17	16.43	56.33	217	218	P	H
		11420	43.92	-10.08	54	43.65	40.17	16.43	56.33	217	218	A	H
802.11n		17130	48.11	-20.09	68.2	42.59	41.18	20.7	56.36	100	0	P	H
HT40													H
CH 142		11420	54.27	-19.73	74	54	40.17	16.43	56.33	368	350	P	V
5710MHz		11420	41.19	-12.81	54	40.92	40.17	16.43	56.33	368	350	A	V
		17130	48.24	-19.96	68.2	42.72	41.18	20.7	56.36	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5419.81	53.16	-20.84	74	42.14	31.95	10.22	31.15	100	20	P	H
		5463.1	51.94	-16.26	68.2	40.84	31.98	10.27	31.15	100	20	P	H
		5407.72	42.38	-11.62	54	31.38	31.94	10.21	31.15	100	20	A	H
	*	5690	105.93	-	-	94.42	32.27	10.49	31.25	100	20	P	H
802.11ac	*	5690	95.66	-	-	84.15	32.27	10.49	31.25	100	20	A	H
VHT80		5855.25	54.51	-13.69	68.2	42.7	32.51	10.62	31.32	100	20	P	H
CH 138		5422.93	53.36	-20.64	74	42.33	31.95	10.23	31.15	108	349	P	V
5690MHz		5468.56	51.81	-16.39	68.2	40.7	31.98	10.28	31.15	108	349	P	V
		5442.43	42.59	-11.41	54	31.53	31.96	10.25	31.15	108	349	A	V
	*	5690	106.62	-	-	95.11	32.27	10.49	31.25	108	349	P	V
	*	5690	96.3	-	-	84.79	32.27	10.49	31.25	108	349	A	V
		5851.25	54.87	-13.33	68.2	43.09	32.48	10.62	31.32	108	349	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	55.48	-18.52	74	55.23	40.19	16.41	56.35	100	17	P	H
		11380	42.62	-11.38	54	42.37	40.19	16.41	56.35	100	17	A	H
802.11ac		17070	49.08	-19.12	68.2	43.74	40.94	20.64	56.24	100	0	P	H
VHT80													H
CH 138		11380	53.62	-20.38	74	53.37	40.19	16.41	56.35	100	10	P	V
5690MHz		11380	41.54	-12.46	54	41.29	40.19	16.41	56.35	100	10	A	V
		17070	49.21	-18.99	68.2	43.87	40.94	20.64	56.24	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.72	66.09	-7.91	74	55.46	31.79	9.98	31.14	100	304	P	H
		5150	49.12	-4.88	54	38.49	31.79	9.98	31.14	100	304	A	H
	*	5180	113.63	-	-	102.94	31.81	10.02	31.14	100	304	P	H
	*	5180	102.34	-	-	91.65	31.81	10.02	31.14	100	304	A	H
													H
													H
		5145.08	66.36	-7.64	74	55.74	31.79	9.97	31.14	106	91	P	V
		5150	48.78	-5.22	54	38.15	31.79	9.98	31.14	106	91	A	V
	*	5180	114.12	-	-	103.43	31.81	10.02	31.14	106	91	P	V
	*	5180	102.94	-	-	92.25	31.81	10.02	31.14	106	91	A	V
													V
													V
802.11a CH 44 5220MHz		5149.5	57.56	-16.44	74	46.93	31.79	9.98	31.14	100	311	P	H
		5149.5	41.63	-12.37	54	31	31.79	9.98	31.14	100	311	A	H
	*	5220	113.47	-	-	102.72	31.83	10.06	31.14	100	311	P	H
	*	5220	102.38	-	-	91.63	31.83	10.06	31.14	100	311	A	H
		5402.32	53.77	-20.23	74	42.78	31.94	10.2	31.15	100	311	P	H
		5374.6	41.47	-12.53	54	30.52	31.92	10.18	31.15	100	311	A	H
		5149.76	57.73	-16.27	74	47.1	31.79	9.98	31.14	104	94	P	V
		5147.68	41.91	-12.09	54	31.28	31.79	9.98	31.14	104	94	A	V
	*	5220	114.1	-	-	103.35	31.83	10.06	31.14	104	94	P	V
	*	5220	102.96	-	-	92.21	31.83	10.06	31.14	104	94	A	V
		5453.28	54.27	-19.73	74	43.19	31.97	10.26	31.15	104	94	P	V
		5367.88	41.87	-12.13	54	30.93	31.92	10.17	31.15	104	94	A	V

802.11a CH 48 5240MHz		5149.76	53.76	-20.24	74	43.13	31.79	9.98	31.14	100	303	P	H
		5149.76	41.2	-12.8	54	30.57	31.79	9.98	31.14	100	303	A	H
	*	5240	112.69	-	-	101.92	31.84	10.07	31.14	100	303	P	H
	*	5240	101.53	-	-	90.76	31.84	10.07	31.14	100	303	A	H
		5358.36	54.81	-19.19	74	43.88	31.91	10.17	31.15	100	303	P	H
		5357.24	41.6	-12.4	54	30.67	31.91	10.17	31.15	100	303	A	H
		5149.5	54.16	-19.84	74	43.53	31.79	9.98	31.14	100	91	P	V
		5139.62	41.22	-12.78	54	30.6	31.79	9.97	31.14	100	91	A	V
	*	5240	113.83	-	-	103.06	31.84	10.07	31.14	100	91	P	V
	*	5240	102.71	-	-	91.94	31.84	10.07	31.14	100	91	A	V
		5359.76	55.35	-18.65	74	44.42	31.91	10.17	31.15	100	91	P	V
		5351.92	41.8	-12.2	54	30.88	31.91	10.16	31.15	100	91	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	48.99	-25.01	74	50.49	39.86	15.6	56.96	100	0	P	H
		15540	46.03	-27.97	74	44.56	38.53	19.59	56.65	100	0	P	H
													H
													H
		10360	48.87	-25.13	74	50.37	39.86	15.6	56.96	100	0	P	V
		15540	46.33	-27.67	74	44.86	38.53	19.59	56.65	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.41	-27.59	74	50.93	39.98	15.67	60.17	100	0	P	H
		15660	55.53	-18.47	74	55.48	38.29	19.64	57.88	100	218	P	H
		15660	41.19	-12.81	54	41.14	38.29	19.64	57.88	100	218	A	H
													H
		10440	45.96	-28.04	74	50.48	39.98	15.67	60.17	100	0	P	V
		15660	57.23	-16.77	74	57.18	38.29	19.64	57.88	100	13	P	V
		15660	45.02	-8.98	54	44.97	38.29	19.64	57.88	100	13	A	V
													V
802.11a CH 48 5240MHz		10480	49.67	-18.53	68.2	50.81	40.07	15.7	56.91	100	0	P	H
		15720	48.83	-25.17	74	47.47	38.15	19.65	56.44	100	0	P	H
													H
													H
		10480	49.58	-18.62	68.2	50.72	40.07	15.7	56.91	100	0	P	V
		15720	56.72	-17.28	74	55.36	38.15	19.65	56.44	110	330	P	V
		15720	41.43	-12.57	54	40.07	38.15	19.65	56.44	110	330	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)
		5148.98	65.93	-8.07	74	55.3	31.79	9.98	31.14	100	305	P	H
		5150	45.1	-8.9	54	34.47	31.79	9.98	31.14	100	305	A	H
	*	5180	111.49	-	-	100.8	31.81	10.02	31.14	100	305	P	H
	*	5180	100.29	-	-	89.6	31.81	10.02	31.14	100	305	A	H
802.11n													H
HT20													H
CH 36		5145.6	65.93	-8.07	74	55.31	31.79	9.97	31.14	105	91	P	V
5180MHz		5150	45.39	-8.61	54	34.76	31.79	9.98	31.14	105	91	A	V
	*	5180	112.68	-	-	101.99	31.81	10.02	31.14	105	91	P	V
	*	5180	101.3	-	-	90.61	31.81	10.02	31.14	105	91	A	V
													V
													V
		5150	56.12	-17.88	74	45.49	31.79	9.98	31.14	100	318	P	H
		5149.5	41.45	-12.55	54	30.82	31.79	9.98	31.14	100	318	A	H
	*	5220	111.36	-	-	100.61	31.83	10.06	31.14	100	318	P	H
	*	5220	100.07	-	-	89.32	31.83	10.06	31.14	100	318	A	H
802.11n		5358.64	54.08	-19.92	74	43.15	31.91	10.17	31.15	100	318	P	H
HT20		5419.12	41.62	-12.38	54	30.6	31.95	10.22	31.15	100	318	A	H
CH 44		5149.5	57.7	-16.3	74	47.07	31.79	9.98	31.14	104	91	P	V
5220MHz		5150	41.97	-12.03	54	31.34	31.79	9.98	31.14	104	91	A	V
	*	5220	112.43	-	-	101.68	31.83	10.06	31.14	104	91	P	V
	*	5220	101.08	-	-	90.33	31.83	10.06	31.14	104	91	A	V
		5402.88	53.87	-20.13	74	42.88	31.94	10.2	31.15	104	91	P	V
		5362.84	41.7	-12.3	54	30.76	31.92	10.17	31.15	104	91	A	V

		5133.38	53.15	-20.85	74	42.55	31.78	9.96	31.14	112	66	P	H
		5148.72	41.06	-12.94	54	30.43	31.79	9.98	31.14	112	66	A	H
	*	5240	110.68	-	-	99.91	31.84	10.07	31.14	112	66	P	H
	*	5240	99.72	-	-	88.95	31.84	10.07	31.14	112	66	A	H
802.11n		5350	55.15	-18.85	74	44.23	31.91	10.16	31.15	112	66	P	H
HT20		5359.2	41.91	-12.09	54	30.98	31.91	10.17	31.15	112	66	A	H
CH 48		5144.82	55.37	-18.63	74	44.75	31.79	9.97	31.14	118	94	P	V
5240MHz		5149.24	41.46	-12.54	54	30.83	31.79	9.98	31.14	118	94	A	V
	*	5240	112.42	-	-	101.65	31.84	10.07	31.14	118	94	P	V
	*	5240	101.15	-	-	90.38	31.84	10.07	31.14	118	94	A	V
		5357.24	55.42	-18.58	74	44.49	31.91	10.17	31.15	118	94	P	V
		5353.32	41.77	-12.23	54	30.85	31.91	10.16	31.15	118	94	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	48.35	-25.65	74	49.85	39.86	15.6	56.96	100	0	P	H
		15540	46.3	-27.7	74	44.83	38.53	19.59	56.65	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	48.9	-25.1	74	50.4	39.86	15.6	56.96	100	0	P	V
5180MHz		15540	45.77	-28.23	74	44.3	38.53	19.59	56.65	100	0	P	V
													V
													V
		10440	48.85	-25.15	74	50.12	39.98	15.67	56.92	100	0	P	H
		15660	48.78	-25.22	74	47.36	38.29	19.64	56.51	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	48.93	-25.07	74	50.2	39.98	15.67	56.92	100	0	P	V
5220MHz		15660	48.61	-25.39	74	47.19	38.29	19.64	56.51	100	0	P	V
													V
													V
		10480	48.87	-25.13	74	50.01	40.07	15.7	56.91	100	0	P	H
		15720	46.15	-27.85	74	44.79	38.15	19.65	56.44	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	48.98	-25.02	74	50.12	40.07	15.7	56.91	100	0	P	V
5240MHz		15720	46.28	-27.72	74	44.92	38.15	19.65	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)
802.11n HT40 CH 38 5190MHz		5150	64.36	-9.64	74	53.73	31.79	9.98	31.14	100	308	P	H
		5149.76	50.7	-3.3	54	40.07	31.79	9.98	31.14	100	308	A	H
	*	5190	106.54	-	-	95.84	31.81	10.03	31.14	100	308	P	H
	*	5190	95.78	-	-	85.08	31.81	10.03	31.14	100	308	A	H
		5424.16	53.7	-20.3	74	42.67	31.95	10.23	31.15	100	308	P	H
		5445.44	42.59	-11.41	54	31.53	31.96	10.25	31.15	100	308	A	H
		5149.76	64.68	-9.32	74	54.05	31.79	9.98	31.14	106	95	P	V
		5150	52.53	-1.47	54	41.9	31.79	9.98	31.14	106	95	A	V
	*	5190	107.51	-	-	96.81	31.81	10.03	31.14	106	95	P	V
	*	5190	96.68	-	-	85.98	31.81	10.03	31.14	106	95	A	V
		5414.64	53.84	-20.16	74	42.82	31.95	10.22	31.15	106	95	P	V
		5389.72	42.35	-11.65	54	31.38	31.93	10.19	31.15	106	95	A	V
802.11n HT40 CH 46 5230MHz		5147.42	58.39	-15.61	74	47.76	31.79	9.98	31.14	100	14	P	H
		5149.24	43.35	-10.65	54	32.72	31.79	9.98	31.14	100	14	A	H
	*	5230	108.17	-	-	97.41	31.84	10.06	31.14	100	14	P	H
	*	5230	97.36	-	-	86.6	31.84	10.06	31.14	100	14	A	H
		5350.24	56.88	-17.12	74	45.96	31.91	10.16	31.15	100	14	P	H
		5354.44	42.74	-11.26	54	31.82	31.91	10.16	31.15	100	14	A	H
		5149.24	59.54	-14.46	74	48.91	31.79	9.98	31.14	100	89	P	V
		5148.46	43.4	-10.6	54	32.77	31.79	9.98	31.14	100	89	A	V
	*	5230	109.21	-	-	98.45	31.84	10.06	31.14	100	89	P	V
	*	5230	98.42	-	-	87.66	31.84	10.06	31.14	100	89	A	V
		5356.96	56.98	-17.02	74	46.05	31.91	10.17	31.15	100	89	P	V
		5352.2	42.91	-11.09	54	31.99	31.91	10.16	31.15	100	89	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	47.87	-26.13	74	49.31	39.89	15.62	56.95	100	0	P	H
		15570	45.71	-28.29	74	44.27	38.46	19.6	56.62	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	48.12	-25.88	74	49.56	39.89	15.62	56.95	100	0	P	V
5190MHz		15570	46.86	-27.14	74	45.42	38.46	19.6	56.62	100	0	P	V
													V
													V
		10460	48.99	-25.01	74	50.22	40.01	15.68	56.92	100	0	P	H
		15690	47.2	-26.8	74	45.81	38.22	19.64	56.47	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	48.97	-25.03	74	50.2	40.01	15.68	56.92	100	0	P	V
5230MHz		15690	46.93	-27.07	74	45.54	38.22	19.64	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)
		5149.76	61.53	-12.47	74	50.9	31.79	9.98	31.14	100	14	P	H
		5147.42	51.53	-2.47	54	40.9	31.79	9.98	31.14	100	14	A	H
	*	5210	102.8	-	-	92.06	31.83	10.05	31.14	100	14	P	H
	*	5210	92.27	-	-	81.53	31.83	10.05	31.14	100	14	A	H
802.11ac		5431.44	53.56	-20.44	74	42.52	31.96	10.23	31.15	100	14	P	H
VHT80		5391.12	42.47	-11.53	54	31.5	31.93	10.19	31.15	100	14	A	H
CH 42		5145.34	61.83	-12.17	74	51.21	31.79	9.97	31.14	106	89	P	V
5210MHz		5147.68	51.52	-2.48	54	40.89	31.79	9.98	31.14	106	89	A	V
	*	5210	103.27	-	-	92.53	31.83	10.05	31.14	106	89	P	V
	*	5210	93.13	-	-	82.39	31.83	10.05	31.14	106	89	A	V
		5377.12	54.55	-19.45	74	43.6	31.92	10.18	31.15	106	89	P	V
		5369.56	42.53	-11.47	54	31.58	31.92	10.18	31.15	106	89	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	48.88	-25.12	74	50.21	39.95	15.65	56.93	100	0	P	H
		15630	46.33	-27.67	74	44.93	38.32	19.62	56.54	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.88	-25.12	74	50.21	39.95	15.65	56.93	100	0	P	V
5210MHz		15630	45.84	-28.16	74	44.44	38.32	19.62	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		5105.74	53.02	-20.98	74	42.46	31.77	9.93	31.14	100	67	P	H
		5138.38	40.93	-13.07	54	30.32	31.78	9.97	31.14	100	67	A	H
	*	5260	110.79	-	-	99.99	31.86	10.09	31.15	100	67	P	H
	*	5260	100.88	-	-	90.08	31.86	10.09	31.15	100	67	A	H
		5358.48	54.48	-19.52	74	43.55	31.91	10.17	31.15	100	67	P	H
		5350.8	42.11	-11.89	54	31.19	31.91	10.16	31.15	100	67	A	H
		5133.96	53.82	-20.18	74	43.22	31.78	9.96	31.14	111	92	P	V
		5142.8	41.13	-12.87	54	30.51	31.79	9.97	31.14	111	92	A	V
	*	5260	112.24	-	-	101.44	31.86	10.09	31.15	111	92	P	V
	*	5260	101.8	-	-	91	31.86	10.09	31.15	111	92	A	V
		5372.4	54.17	-19.83	74	43.22	31.92	10.18	31.15	111	92	P	V
		5352.96	42.37	-11.63	54	31.45	31.91	10.16	31.15	111	92	A	V
802.11a CH 60 5300MHz		5127.5	53.5	-20.5	74	42.91	31.78	9.95	31.14	265	16	P	H
		5133.96	40.95	-13.05	54	30.35	31.78	9.96	31.14	265	16	A	H
	*	5300	113.21	-	-	102.36	31.88	10.12	31.15	265	16	P	H
	*	5300	102.06	-	-	91.21	31.88	10.12	31.15	265	16	A	H
		5350.32	64.32	-9.68	74	53.4	31.91	10.16	31.15	265	16	P	H
		5350.56	43.98	-10.02	54	33.06	31.91	10.16	31.15	265	16	A	H
		5126.14	53.11	-20.89	74	42.52	31.78	9.95	31.14	108	92	P	V
		5149.6	41.13	-12.87	54	30.5	31.79	9.98	31.14	108	92	A	V
	*	5300	112.95	-	-	102.1	31.88	10.12	31.15	108	92	P	V
	*	5300	101.71	-	-	90.86	31.88	10.12	31.15	108	92	A	V
		5351.04	64.17	-9.83	74	53.25	31.91	10.16	31.15	108	92	P	V
		5351.04	43.65	-10.35	54	32.73	31.91	10.16	31.15	108	92	A	V

802.11a CH 64 5320MHz	*	5320	111.49	-	-	100.61	31.89	10.14	31.15	106	66	P	H
	*	5320	100.9	-	-	90.02	31.89	10.14	31.15	106	66	A	H
		5351.04	66.81	-7.19	74	55.89	31.91	10.16	31.15	106	66	P	H
		5350.08	51	-3	54	40.08	31.91	10.16	31.15	106	66	A	H
													H
													H
	*	5320	111.38	-	-	100.5	31.89	10.14	31.15	106	94	P	V
	*	5320	100.64	-	-	89.76	31.89	10.14	31.15	106	94	A	V
		5351.68	66.27	-7.73	74	55.35	31.91	10.16	31.15	106	94	P	V
		5350.4	50.95	-3.05	54	40.03	31.91	10.16	31.15	106	94	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11a (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	48.59	-25.41	74	49.63	40.11	15.73	56.88	100	0	P	H
		15780	47.09	-26.91	74	45.72	38.05	19.68	56.36	100	0	P	H
													H
													H
		10520	48.31	-25.69	74	49.35	40.11	15.73	56.88	100	0	P	V
		15780	48.88	-25.12	74	47.51	38.05	19.68	56.36	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	48.67	-25.33	74	49.51	40.18	15.8	56.82	100	0	P	H
		15900	46.8	-27.2	74	45.48	37.81	19.73	56.22	100	0	P	H
													H
													H
		10600	50.79	-23.21	74	51.63	40.18	15.8	56.82	100	0	P	V
		10600	36.78	-17.22	54	37.62	40.18	15.8	56.82	100	0	A	V
		15900	47.36	-26.64	74	46.04	37.81	19.73	56.22	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	48.45	-25.55	74	49.21	40.21	15.82	56.79	100	0	P	H
		15960	45.75	-28.25	74	44.49	37.67	19.74	56.15	100	0	P	H
													H
													H
		10640	51.04	-22.96	74	51.8	40.21	15.82	56.79	100	269	P	V
		10640	37.31	-16.69	54	38.07	40.21	15.82	56.79	100	269	A	V
		15960	46.01	-27.99	74	44.75	37.67	19.74	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 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)
		5112.54	53.1	-20.9	74	42.53	31.77	9.94	31.14	110	13	P	H
		5129.54	41.12	-12.88	54	30.52	31.78	9.96	31.14	110	13	A	H
	*	5260	111.05	-	-	100.25	31.86	10.09	31.15	110	13	P	H
	*	5260	99.75	-	-	88.95	31.86	10.09	31.15	110	13	A	H
802.11n		5350.08	57.18	-16.82	74	46.26	31.91	10.16	31.15	110	13	P	H
HT20		5355.12	41.88	-12.12	54	30.96	31.91	10.16	31.15	110	13	A	H
CH 52		5131.58	53.02	-20.98	74	42.42	31.78	9.96	31.14	102	93	P	V
5260MHz		5147.56	41	-13	54	30.37	31.79	9.98	31.14	102	93	A	V
	*	5260	111.46	-	-	100.66	31.86	10.09	31.15	102	93	P	V
	*	5260	100.71	-	-	89.91	31.86	10.09	31.15	102	93	A	V
		5353.2	57.58	-16.42	74	46.66	31.91	10.16	31.15	102	93	P	V
		5351.28	41.97	-12.03	54	31.05	31.91	10.16	31.15	102	93	A	V
		5116.28	53.58	-20.42	74	43.01	31.77	9.94	31.14	100	14	P	H
		5145.52	40.8	-13.2	54	30.18	31.79	9.97	31.14	100	14	A	H
	*	5300	111.56	-	-	100.71	31.88	10.12	31.15	100	14	P	H
	*	5300	100.62	-	-	89.77	31.88	10.12	31.15	100	14	A	H
802.11n		5351.04	63.89	-10.11	74	52.97	31.91	10.16	31.15	100	14	P	H
HT20		5352.24	43.49	-10.51	54	32.57	31.91	10.16	31.15	100	14	A	H
CH 60		5120.36	52.86	-21.14	74	42.29	31.77	9.94	31.14	100	91	P	V
5300MHz		5119.34	40.89	-13.11	54	30.32	31.77	9.94	31.14	100	91	A	V
	*	5300	111.44	-	-	100.59	31.88	10.12	31.15	100	91	P	V
	*	5300	100.62	-	-	89.77	31.88	10.12	31.15	100	91	A	V
		5350.8	64.29	-9.71	74	53.37	31.91	10.16	31.15	100	91	P	V
		5350.32	43.41	-10.59	54	32.49	31.91	10.16	31.15	100	91	A	V

	*	5320	111.22	-	-	100.34	31.89	10.14	31.15	109	66	P	H
	*	5320	99.99	-	-	89.11	31.89	10.14	31.15	109	66	A	H
		5350.56	66.95	-7.05	74	56.03	31.91	10.16	31.15	109	66	P	H
		5350.08	51.8	-2.2	54	40.88	31.91	10.16	31.15	109	66	A	H
802.11n													H
HT20													H
CH 64	*	5320	111.47	-	-	100.59	31.89	10.14	31.15	100	92	P	V
5320MHz	*	5320	100.23	-	-	89.35	31.89	10.14	31.15	100	92	A	V
		5354.24	67.2	-6.8	74	56.28	31.91	10.16	31.15	100	92	P	V
		5350.24	52.24	-1.76	54	41.32	31.91	10.16	31.15	100	92	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	48.77	-25.23	74	49.81	40.11	15.73	56.88	100	0	P	H
		15780	47.95	-26.05	74	46.58	38.05	19.68	56.36	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	48.6	-25.4	74	49.64	40.11	15.73	56.88	100	0	P	V
5260MHz		15780	48.25	-25.75	74	46.88	38.05	19.68	56.36	100	0	P	V
													V
													V
		10600	48.94	-25.06	74	49.78	40.18	15.8	56.82	100	0	P	H
		15900	46.14	-27.86	74	44.82	37.81	19.73	56.22	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	48.81	-25.19	74	49.65	40.18	15.8	56.82	100	0	P	V
5300MHz		15900	48.01	-25.99	74	46.69	37.81	19.73	56.22	100	0	P	V
													V
													V
		10640	48.63	-25.37	74	49.39	40.21	15.82	56.79	100	0	P	H
		15960	45.1	-28.9	74	43.84	37.67	19.74	56.15	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	48.99	-25.01	74	49.75	40.21	15.82	56.79	100	0	P	V
5320MHz		15960	46.34	-27.66	74	45.08	37.67	19.74	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		5146.2	52.99	-21.01	74	42.36	31.79	9.98	31.14	259	315	P	H
		5146.54	41.66	-12.34	54	31.03	31.79	9.98	31.14	259	315	A	H
	*	5270	108.8	-	-	97.99	31.86	10.1	31.15	259	315	P	H
	*	5270	97.99	-	-	87.18	31.86	10.1	31.15	259	315	A	H
		5350.08	62.82	-11.18	74	51.9	31.91	10.16	31.15	259	315	P	H
		5350.32	44.82	-9.18	54	33.9	31.91	10.16	31.15	259	315	A	H
		5146.88	52.87	-21.13	74	42.24	31.79	9.98	31.14	120	220	P	V
		5083.98	41.61	-12.39	54	31.1	31.75	9.9	31.14	120	220	A	V
	*	5270	102.93	-	-	92.12	31.86	10.1	31.15	120	220	P	V
	*	5270	92.29	-	-	81.48	31.86	10.1	31.15	120	220	A	V
		5350.32	58.74	-15.26	74	47.82	31.91	10.16	31.15	120	220	P	V
		5353.2	42.79	-11.21	54	31.87	31.91	10.16	31.15	120	220	A	V
802.11n HT40 CH 62 5310MHz		5132.94	52.99	-21.01	74	42.39	31.78	9.96	31.14	239	351	P	H
		5138.72	41.79	-12.21	54	31.18	31.78	9.97	31.14	239	351	A	H
	*	5310	104.23	-	-	93.36	31.89	10.13	31.15	239	351	P	H
	*	5310	93.44	-	-	82.57	31.89	10.13	31.15	239	351	A	H
		5354.88	64.23	-9.77	74	53.31	31.91	10.16	31.15	239	351	P	H
		5350.8	52.65	-1.35	54	41.73	31.91	10.16	31.15	239	351	A	H
		5118.32	53.33	-20.67	74	42.76	31.77	9.94	31.14	100	85	P	V
		5147.56	41.65	-12.35	54	31.02	31.79	9.98	31.14	100	85	A	V
	*	5310	104.04	-	-	93.17	31.89	10.13	31.15	100	85	P	V
	*	5310	93.5	-	-	82.63	31.89	10.13	31.15	100	85	A	V
		5351.04	64.17	-9.83	74	53.25	31.91	10.16	31.15	100	85	P	V
		5350.8	52.65	-1.35	54	41.73	31.91	10.16	31.15	100	85	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n 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	48.43	-25.57	74	49.42	40.13	15.75	56.87	100	0	P	H
		15810	46.06	-27.94	74	44.72	37.98	19.69	56.33	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	47.68	-26.32	74	48.67	40.13	15.75	56.87	100	0	P	V
5270MHz		15810	46.34	-27.66	74	45	37.98	19.69	56.33	100	0	P	V
													V
													V
		10620	50.13	-23.87	74	50.93	40.2	15.8	56.8	100	325	P	H
		10620	37.22	-16.78	54	38.02	40.2	15.8	56.8	100	0	A	H
802.11n		15930	45.18	-28.82	74	43.88	37.74	19.74	56.18	100	0	P	H
HT40													H
CH 62		10620	50.22	-23.78	74	51.02	40.2	15.8	56.8	100	325	P	V
5310MHz		10620	37.38	-16.62	54	38.18	40.2	15.8	56.8	100	0	A	V
		15930	45.37	-28.63	74	44.07	37.74	19.74	56.18	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac 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)
		5139.4	52.8	-21.2	74	42.19	31.78	9.97	31.14	120	350	P	H
		5119	41.84	-12.16	54	31.27	31.77	9.94	31.14	120	350	A	H
	*	5290	100.55	-	-	89.72	31.87	10.11	31.15	120	350	P	H
	*	5290	90.23	-	-	79.4	31.87	10.11	31.15	120	350	A	H
802.11ac		5351.52	61.86	-12.14	74	50.94	31.91	10.16	31.15	120	350	P	H
VHT80		5350.08	52.14	-1.86	54	41.22	31.91	10.16	31.15	120	350	A	H
CH 58		5098.94	54	-20	74	43.46	31.76	9.92	31.14	101	94	P	V
5290MHz		5132.6	41.79	-12.21	54	31.19	31.78	9.96	31.14	101	94	A	V
	*	5290	99.34	-	-	88.51	31.87	10.11	31.15	101	94	P	V
	*	5290	88.46	-	-	77.63	31.87	10.11	31.15	101	94	A	V
		5350.56	60.67	-13.33	74	49.75	31.91	10.16	31.15	101	94	P	V
		5350.56	51.27	-2.73	54	40.35	31.91	10.16	31.15	101	94	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	48.53	-25.47	74	49.42	40.17	15.78	56.84	100	0	P	H
		15870	46.43	-27.57	74	45.14	37.84	19.71	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	50.21	-23.79	74	51.1	40.17	15.78	56.84	101	0	P	V
5290MHz		10580	36.57	-17.43	54	37.46	40.17	15.78	56.84	101	0	A	V
		15870	46.54	-27.46	74	45.25	37.84	19.71	56.26	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 802.11a (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		5470	66.6	-7.4	74	55.49	31.98	10.28	31.15	100	320	P	H
		5470	46.92	-7.08	54	35.81	31.98	10.28	31.15	100	320	A	H
	*	5500	111.39	-	-	100.23	32	10.31	31.15	100	320	P	H
	*	5500	100.32	-	-	89.16	32	10.31	31.15	100	320	A	H
													H
													H
		5467.6	68.68	-5.32	74	57.58	31.98	10.27	31.15	213	92	P	V
		5469.84	48.3	-5.7	54	37.19	31.98	10.28	31.15	213	92	A	V
	*	5500	113.05	-	-	101.89	32	10.31	31.15	213	92	P	V
	*	5500	101.95	-	-	90.79	32	10.31	31.15	213	92	A	V
													V
													V
802.11a CH 116 5580MHz		5463.52	54.15	-19.85	74	43.05	31.98	10.27	31.15	101	75	P	H
		5434.96	41.47	-12.53	54	30.42	31.96	10.24	31.15	101	75	A	H
	*	5580	110.3	-	-	99	32.1	10.4	31.2	101	75	P	H
	*	5580	99.02	-	-	87.72	32.1	10.4	31.2	101	75	A	H
		5742.005	54.12	-19.88	74	42.52	32.34	10.53	31.27	101	75	P	H
		5758.385	42	-12	54	30.37	32.36	10.55	31.28	101	75	A	H
		5462.8	54.24	-19.76	74	43.14	31.98	10.27	31.15	296	93	P	V
		5469.76	41.75	-12.25	54	30.64	31.98	10.28	31.15	296	93	A	V
	*	5580	112.19	-	-	100.89	32.1	10.4	31.2	296	93	P	V
	*	5580	100.95	-	-	89.65	32.1	10.4	31.2	296	93	A	V
		5753.975	54.56	-19.44	74	42.93	32.36	10.54	31.27	296	93	P	V
		5743.58	42.35	-11.65	54	30.75	32.34	10.53	31.27	296	93	A	V

802.11a CH 140 5700MHz	*	5700	108.73	-	-	97.21	32.27	10.5	31.25	100	72	P	H
	*	5700	97.59	-	-	86.07	32.27	10.5	31.25	100	72	A	H
		5728.28	65.14	-8.86	74	53.57	32.31	10.52	31.26	100	72	P	H
		5725	49.1	-4.9	54	37.53	32.31	10.52	31.26	100	72	A	H
													H
													H
	*	5700	111	-	-	99.48	32.27	10.5	31.25	100	92	P	V
	*	5700	99.89	-	-	88.37	32.27	10.5	31.25	100	92	A	V
		5725.32	66.86	-7.14	74	55.29	32.31	10.52	31.26	100	92	P	V
		5725.16	51.05	-2.95	54	39.48	32.31	10.52	31.26	100	92	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 (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	53.85	-20.15	74	53.75	40.5	16.1	56.5	103	19	P	H
		11000	39.83	-14.17	54	39.73	40.5	16.1	56.5	103	19	A	H
		16500	47.25	-26.75	74	43.17	39.6	20.18	55.7	100	0	P	H
													H
		11000	53.15	-20.85	74	53.05	40.5	16.1	56.5	184	331	P	V
		11000	39.13	-14.87	54	39.03	40.5	16.1	56.5	184	331	A	V
		16500	46.64	-27.36	74	42.56	39.6	20.18	55.7	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	59.39	-14.61	74	59.23	40.37	16.23	56.44	100	20	P	H
		11160	44.42	-9.58	54	44.26	40.37	16.23	56.44	100	20	A	H
		16740	47.88	-26.12	74	43.27	40.13	20.37	55.89	100	0	P	H
													H
		11160	57.17	-16.83	74	57.01	40.37	16.23	56.44	215	331	P	V
		11160	42.75	-11.25	54	42.59	40.37	16.23	56.44	215	331	A	V
		16740	48.09	-25.91	74	43.48	40.13	20.37	55.89	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	48.5	-25.5	74	48.24	40.18	16.42	56.34	100	0	P	H
		17100	48.9	-25.1	74	43.47	41.06	20.67	56.3	100	0	P	H
													H
													H
		11400	48.65	-25.35	74	48.39	40.18	16.42	56.34	100	0	P	V
		17100	48.22	-25.78	74	42.79	41.06	20.67	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)
		5466.8	64.89	-9.11	74	53.79	31.98	10.27	31.15	100	320	P	H
		5469.68	45.96	-8.04	54	34.85	31.98	10.28	31.15	100	320	A	H
	*	5500	110.39	-	-	99.23	32	10.31	31.15	100	320	P	H
	*	5500	99.16	-	-	88	32	10.31	31.15	100	320	A	H
802.11n													H
HT20													H
CH 100		5464.88	66.33	-7.67	74	55.23	31.98	10.27	31.15	235	94	P	V
5500MHz		5469.84	46.96	-7.04	54	35.85	31.98	10.28	31.15	235	94	A	V
	*	5500	111.97	-	-	100.81	32	10.31	31.15	235	94	P	V
	*	5500	100.62	-	-	89.46	32	10.31	31.15	235	94	A	V
													V
													V
		5466.4	54.37	-19.63	74	43.27	31.98	10.27	31.15	100	325	P	H
		5457.04	41.66	-12.34	54	30.58	31.97	10.26	31.15	100	325	A	H
	*	5580	110.99	-	-	99.69	32.1	10.4	31.2	100	325	P	H
	*	5580	99.56	-	-	88.26	32.1	10.4	31.2	100	325	A	H
802.11n		5729.405	54.24	-19.76	74	42.67	32.31	10.52	31.26	100	325	P	H
HT20		5734.76	41.79	-12.21	54	30.19	32.34	10.53	31.27	100	325	A	H
CH 116		5438.56	54.2	-19.8	74	43.15	31.96	10.24	31.15	107	91	P	V
5580MHz		5448.16	41.62	-12.38	54	30.55	31.97	10.25	31.15	107	91	A	V
	*	5580	111.7	-	-	100.4	32.1	10.4	31.2	107	91	P	V
	*	5580	100.2	-	-	88.9	32.1	10.4	31.2	107	91	A	V
		5746.415	54.5	-19.5	74	42.89	32.34	10.54	31.27	107	91	P	V
		5726.885	42.36	-11.64	54	30.79	32.31	10.52	31.26	107	91	A	V

	*	5700	107.95	-	-	96.43	32.27	10.5	31.25	100	73	P	H
	*	5700	96.47	-	-	84.95	32.27	10.5	31.25	100	73	A	H
		5729.8	65.48	-8.52	74	53.91	32.31	10.52	31.26	100	73	P	H
		5725	49.83	-4.17	54	38.26	32.31	10.52	31.26	100	73	A	H
802.11n													H
HT20													H
CH 140	*	5700	110.13	-	-	98.61	32.27	10.5	31.25	100	91	P	V
5700MHz	*	5700	98.8	-	-	87.28	32.27	10.5	31.25	100	91	A	V
		5726.92	66.88	-7.12	74	55.31	32.31	10.52	31.26	100	91	P	V
		5725	51.93	-2.07	54	40.36	32.31	10.52	31.26	100	91	A	V
													V
													V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	48.84	-25.16	74	48.74	40.5	16.1	56.5	100	0	P	H
		16500	45.97	-28.03	74	41.89	39.6	20.18	55.7	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	48.96	-25.04	74	48.86	40.5	16.1	56.5	100	0	P	V
5500MHz		16500	45.22	-28.78	74	41.14	39.6	20.18	55.7	100	0	P	V
													V
													V
		11160	56.49	-17.51	74	56.33	40.37	16.23	56.44	100	20	P	H
		11160	43.4	-10.6	54	43.24	40.37	16.23	56.44	100	20	A	H
802.11n		16740	47.02	-26.98	74	42.41	40.13	20.37	55.89	100	0	P	H
HT20													H
CH 116		11160	53.99	-20.01	74	53.83	40.37	16.23	56.44	103	14	P	V
5580MHz		11160	41.85	-12.15	54	41.69	40.37	16.23	56.44	103	14	A	V
		16740	47.03	-26.97	74	42.42	40.13	20.37	55.89	100	0	P	V
													V
		11400	54.63	-19.37	74	54.37	40.18	16.42	56.34	112	19	P	H
		11400	41.89	-12.11	54	41.63	40.18	16.42	56.34	112	19	A	H
802.11n		17100	48	-26	74	42.57	41.06	20.67	56.3	100	0	P	H
HT20													H
CH 140		11400	53.45	-20.55	74	53.19	40.18	16.42	56.34	100	355	P	V
5700MHz		11400	40.89	-13.11	54	40.63	40.18	16.42	56.34	100	355	A	V
		17100	48.84	-25.16	74	43.41	41.06	20.67	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. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.72	63.15	-10.85	74	52.07	31.97	10.26	31.15	100	325	P	H
		5468.32	64.84	-3.36	68.2	53.73	31.98	10.28	31.15	100	325	P	H
		5459.68	47.3	-6.7	54	36.21	31.97	10.27	31.15	100	325	A	H
	*	5510	106.17	-	-	95.01	32	10.32	31.16	100	325	P	H
802.11n	*	5510	95.36	-	-	84.2	32	10.32	31.16	100	325	A	H
HT40		5765	53.93	-14.27	68.2	42.3	32.36	10.55	31.28	100	325	P	H
CH 102		5459.68	63.57	-10.43	74	52.48	31.97	10.27	31.15	102	91	P	V
5510MHz		5470	65.51	-2.69	68.2	54.4	31.98	10.28	31.15	102	91	P	V
		5459.92	48	-6	54	36.91	31.97	10.27	31.15	102	91	A	V
	*	5510	106.92	-	-	95.76	32	10.32	31.16	102	91	P	V
	*	5510	96.15	-	-	84.99	32	10.32	31.16	102	91	A	V
		5742.95	54.41	-13.79	68.2	42.81	32.34	10.53	31.27	102	91	P	V
		5468.56	57.38	-16.62	74	46.27	31.98	10.28	31.15	100	324	P	H
		5468.32	43.42	-10.58	54	32.31	31.98	10.28	31.15	100	324	A	H
	*	5550	108.1	-	-	96.84	32.07	10.36	31.17	100	324	P	H
	*	5550	97.3	-	-	86.04	32.07	10.36	31.17	100	324	A	H
802.11n		5726.885	54.13	-19.87	74	42.56	32.31	10.52	31.26	100	324	P	H
HT40		5730.665	42.77	-11.23	54	31.21	32.31	10.52	31.27	100	324	A	H
CH 110		5461.12	56.65	-17.35	74	45.56	31.97	10.27	31.15	100	84	P	V
5550MHz		5463.76	43.14	-10.86	54	32.04	31.98	10.27	31.15	100	84	A	V
	*	5550	107.65	-	-	96.39	32.07	10.36	31.17	100	84	P	V
	*	5550	96.93	-	-	85.67	32.07	10.36	31.17	100	84	A	V
		5752.4	54.2	-19.8	74	42.57	32.36	10.54	31.27	100	84	P	V
		5737.595	42.69	-11.31	54	31.09	32.34	10.53	31.27	100	84	A	V

		5382.55	53.37	-20.63	74	42.4	31.93	10.19	31.15	100	359	P	H
		5453.25	42.26	-11.74	54	31.18	31.97	10.26	31.15	100	359	A	H
	*	5670	106.35	-	-	94.86	32.24	10.48	31.23	100	359	P	H
	*	5670	95.48	-	-	83.99	32.24	10.48	31.23	100	359	A	H
802.11n		5726.15	62.71	-11.29	74	51.14	32.31	10.52	31.26	100	359	P	H
HT40		5727.375	46.65	-7.35	54	35.08	32.31	10.52	31.26	100	359	A	H
CH 134		5366.8	53.57	-20.43	74	42.63	31.92	10.17	31.15	112	90	P	V
5670MHz		5427	42.57	-11.43	54	31.54	31.95	10.23	31.15	112	90	A	V
	*	5670	108.02	-	-	96.53	32.24	10.48	31.23	112	90	P	V
	*	5670	97.33	-	-	85.84	32.24	10.48	31.23	112	90	A	V
		5725.8	64.76	-9.24	74	53.19	32.31	10.52	31.26	112	90	P	V
		5727.55	48.73	-5.27	54	37.16	32.31	10.52	31.26	112	90	A	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	48.99	-25.01	74	48.87	40.49	16.12	56.49	100	0	P	H
		16530	45.24	-22.96	68.2	41.08	39.68	20.2	55.72	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	48.54	-25.46	74	48.42	40.49	16.12	56.49	100	0	P	V
5510MHz		16530	45.56	-22.64	68.2	41.4	39.68	20.2	55.72	100	0	P	V
													V
													V
		11100	54.05	-19.95	74	53.91	40.42	16.18	56.46	221	179	P	H
		11100	41.12	-12.88	54	40.98	40.42	16.18	56.46	221	179	A	H
802.11n		16650	48.3	-25.7	74	43.88	39.94	20.3	55.82	100	0	P	H
HT40													H
CH 110		11100	52.76	-21.24	74	52.62	40.42	16.18	56.46	100	17	P	V
5550MHz		11100	39.69	-14.31	54	39.55	40.42	16.18	56.46	100	17	A	V
		16650	48.89	-25.11	74	44.47	39.94	20.3	55.82	100	0	P	V
													V
		11340	54.26	-19.74	74	54.01	40.23	16.38	56.36	100	226	P	H
		11340	41.92	-12.08	54	41.67	40.23	16.38	56.36	100	226	A	H
802.11n		17010	48.42	-25.58	74	43.19	40.76	20.59	56.12	100	0	P	H
HT40													H
CH 134		11340	54.46	-19.54	74	54.21	40.23	16.38	56.36	101	17	P	V
5670MHz		11340	41.6	-12.4	54	41.35	40.23	16.38	56.36	101	17	A	V
		17010	48.86	-25.14	74	43.63	40.76	20.59	56.12	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	62.36	-11.64	74	51.27	31.97	10.27	31.15	100	325	P	H
		5468.32	64.4	-3.8	68.2	53.29	31.98	10.28	31.15	100	325	P	H
		5458	52.4	-1.6	54	41.32	31.97	10.26	31.15	100	325	A	H
	*	5530	102.78	-	-	91.59	32.02	10.34	31.17	100	325	P	H
802.11ac	*	5530	92.83	-	-	81.64	32.02	10.34	31.17	100	325	A	H
VHT80		5731.61	53.97	-14.23	68.2	42.4	32.31	10.53	31.27	100	325	P	H
CH 106		5459.68	63.3	-10.7	74	52.21	31.97	10.27	31.15	114	89	P	V
5530MHz		5468.32	65.02	-3.18	68.2	53.91	31.98	10.28	31.15	114	89	P	V
		5459.68	52.94	-1.06	54	41.85	31.97	10.27	31.15	114	89	A	V
	*	5530	103.02	-	-	91.83	32.02	10.34	31.17	114	89	P	V
	*	5530	92.93	-	-	81.74	32.02	10.34	31.17	114	89	A	V
		5728.145	53.85	-14.35	68.2	42.28	32.31	10.52	31.26	114	89	P	V
		5464.24	53.45	-20.55	74	42.35	31.98	10.27	31.15	105	325	P	H
		5467.6	43.12	-10.88	54	32.02	31.98	10.27	31.15	105	325	A	H
	*	5610	104.08	-	-	92.72	32.14	10.43	31.21	105	325	P	H
	*	5610	93.81	-	-	82.45	32.14	10.43	31.21	105	325	A	H
802.11ac		5733.185	56.21	-17.79	74	44.64	32.31	10.53	31.27	105	325	P	H
VHT80		5726.57	45.26	-8.74	54	33.69	32.31	10.52	31.26	105	325	A	H
CH 122		5458	53.84	-20.16	74	42.76	31.97	10.26	31.15	100	89	P	V
5610MHz		5462.32	43.21	-10.79	54	32.12	31.97	10.27	31.15	100	89	A	V
	*	5610	104.96	-	-	93.6	32.14	10.43	31.21	100	89	P	V
	*	5610	94.69	-	-	83.33	32.14	10.43	31.21	100	89	A	V
		5727.2	57.89	-16.11	74	46.32	32.31	10.52	31.26	100	89	P	V
		5726.57	47.01	-6.99	54	35.44	32.31	10.52	31.26	100	89	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	51.26	-22.74	74	51.14	40.45	16.15	56.48	100	236	P	H
		11060	38.24	-15.76	54	38.12	40.45	16.15	56.48	100	236	A	H
802.11ac		16590	47.59	-20.61	68.2	43.32	39.79	20.25	55.77	100	0	P	H
VHT80													H
CH 106		11060	50.86	-23.14	74	50.74	40.45	16.15	56.48	100	58	P	V
5530MHz		11060	38.21	-15.79	54	38.09	40.45	16.15	56.48	100	58	A	V
		16590	47.22	-20.98	68.2	42.95	39.79	20.25	55.77	100	0	P	V
													V
		11220	54.85	-19.15	74	54.65	40.33	16.28	56.41	235	190	P	H
		11220	41.28	-12.72	54	41.08	40.33	16.28	56.41	235	190	A	H
802.11ac		16830	48.39	-25.61	74	43.58	40.32	20.45	55.96	100	0	P	H
VHT80													H
CH 122		11220	52.73	-21.27	74	52.53	40.33	16.28	56.41	102	14	P	V
5610MHz		11220	40.22	-13.78	54	40.02	40.33	16.28	56.41	102	14	A	V
		16830	47.66	-26.34	74	42.85	40.32	20.45	55.96	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		5455.3	53.5	-20.5	74	42.42	31.97	10.26	31.15	100	74	P	H
		5462.32	53.04	-15.16	68.2	41.95	31.97	10.27	31.15	100	74	P	H
		5455.3	41.69	-12.31	54	30.61	31.97	10.26	31.15	100	74	A	H
	*	5720	110.2	-	-	98.63	32.31	10.52	31.26	100	74	P	H
	*	5720	99.16	-	-	87.59	32.31	10.52	31.26	100	74	A	H
		5888.75	54.53	-13.67	68.2	42.66	32.56	10.65	31.34	100	74	P	H
		5453.35	54.55	-19.45	74	43.47	31.97	10.26	31.15	296	96	P	V
		5463.88	53.16	-15.04	68.2	42.06	31.98	10.27	31.15	296	96	P	V
		5450.23	41.53	-12.47	54	30.45	31.97	10.26	31.15	296	96	A	V
	*	5720	112.33	-	-	100.76	32.31	10.52	31.26	296	96	P	V
	*	5720	101.1	-	-	89.53	32.31	10.52	31.26	296	96	A	V
		5898	54.63	-13.57	68.2	42.76	32.56	10.65	31.34	296	96	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	60.99	-13.01	74	60.71	40.15	16.45	56.32	235	185	P	H
		11440	45.97	-8.03	54	45.69	40.15	16.45	56.32	235	185	A	H
		17160	50.52	-17.68	68.2	44.93	41.3	20.71	56.42	100	0	P	H
													H
		11440	58.01	-15.99	74	57.73	40.15	16.45	56.32	103	356	P	V
		11440	43.37	-10.63	54	43.09	40.15	16.45	56.32	103	356	A	V
		17160	50.26	-17.94	68.2	44.67	41.3	20.71	56.42	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5389	53.25	-20.75	74	42.28	31.93	10.19	31.15	104	329	P	H
		5466.61	52.46	-15.74	68.2	41.36	31.98	10.27	31.15	104	329	P	H
		5446.33	41.23	-12.77	54	30.16	31.97	10.25	31.15	104	329	A	H
	*	5720	109.36	-	-	97.79	32.31	10.52	31.26	104	329	P	H
802.11n	*	5720	98.13	-	-	86.56	32.31	10.52	31.26	104	329	A	H
HT20		5857.25	54.21	-13.99	68.2	42.4	32.51	10.62	31.32	104	329	P	H
CH 144		5431.51	53.63	-20.37	74	42.59	31.96	10.23	31.15	109	91	P	V
5720MHz		5467.39	52.66	-15.54	68.2	41.56	31.98	10.27	31.15	109	91	P	V
		5418.64	41.25	-12.75	54	30.23	31.95	10.22	31.15	109	91	A	V
	*	5720	111.77	-	-	100.2	32.31	10.52	31.26	109	91	P	V
	*	5720	100.22	-	-	88.65	32.31	10.52	31.26	109	91	A	V
		5864.25	54.34	-13.86	68.2	42.53	32.51	10.63	31.33	109	91	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	59.31	-14.69	74	59.03	40.15	16.45	56.32	100	21	P	H
		11440	43.05	-10.95	54	42.77	40.15	16.45	56.32	100	21	A	H
802.11n		17160	50.69	-17.51	68.2	45.1	41.3	20.71	56.42	100	0	P	H
HT20													H
CH 144		11440	56.8	-17.2	74	56.52	40.15	16.45	56.32	100	3	P	V
5720MHz		11440	41.66	-12.34	54	41.38	40.15	16.45	56.32	100	3	A	V
		17160	50.11	-18.09	68.2	44.52	41.3	20.71	56.42	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5435.02	54.11	-19.89	74	43.06	31.96	10.24	31.15	229	72	P	H
		5466.22	52.53	-15.67	68.2	41.43	31.98	10.27	31.15	229	72	P	H
		5459.98	42.21	-11.79	54	31.12	31.97	10.27	31.15	229	72	A	H
	*	5710	107.13	-	-	95.59	32.29	10.51	31.26	229	72	P	H
802.11n	*	5710	96.29	-	-	84.75	32.29	10.51	31.26	229	72	A	H
HT40		5943.5	54.73	-13.47	68.2	42.78	32.63	10.69	31.37	229	72	P	H
CH 142		5430.73	53.99	-20.01	74	42.95	31.96	10.23	31.15	104	89	P	V
5710MHz		5461.54	52.39	-15.81	68.2	41.3	31.97	10.27	31.15	104	89	P	V
		5430.73	42.26	-11.74	54	31.22	31.96	10.23	31.15	104	89	A	V
	*	5710	108.71	-	-	97.17	32.29	10.51	31.26	104	89	P	V
	*	5710	97.89	-	-	86.35	32.29	10.51	31.26	104	89	A	V
		5855.75	55.75	-12.45	68.2	43.94	32.51	10.62	31.32	104	89	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	55.05	-18.95	74	54.78	40.17	16.43	56.33	222	175	P	H
		11420	42.88	-11.12	54	42.61	40.17	16.43	56.33	222	175	A	H
802.11n		17130	50.18	-18.02	68.2	44.66	41.18	20.7	56.36	100	0	P	H
HT40													H
CH 142		11420	54.08	-19.92	74	53.81	40.17	16.43	56.33	100	17	P	V
5710MHz		11420	40.61	-13.39	54	40.34	40.17	16.43	56.33	100	17	A	V
		17130	49.49	-18.71	68.2	43.97	41.18	20.7	56.36	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5387.83	54.14	-19.86	74	43.17	31.93	10.19	31.15	233	73	P	H
		5467.39	53.2	-15	68.2	42.1	31.98	10.27	31.15	233	73	P	H
		5433.46	42.33	-11.67	54	31.28	31.96	10.24	31.15	233	73	A	H
	*	5690	103.7	-	-	92.19	32.27	10.49	31.25	233	73	P	H
802.11ac	*	5690	93.47	-	-	81.96	32.27	10.49	31.25	233	73	A	H
VHT80		5907	54.4	-13.8	68.2	42.5	32.58	10.66	31.34	233	73	P	H
CH 138		5437.36	53.43	-20.57	74	42.38	31.96	10.24	31.15	100	88	P	V
5690MHz		5461.15	52.83	-15.37	68.2	41.74	31.97	10.27	31.15	100	88	P	V
		5430.34	42.33	-11.67	54	31.29	31.96	10.23	31.15	100	88	A	V
	*	5690	105.63	-	-	94.12	32.27	10.49	31.25	100	88	P	V
	*	5690	95.24	-	-	83.73	32.27	10.49	31.25	100	88	A	V
		5875	55.1	-13.1	68.2	43.26	32.53	10.64	31.33	100	88	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	53.1	-20.9	74	52.85	40.19	16.41	56.35	106	21	P	H
		11380	40.11	-13.89	54	39.86	40.19	16.41	56.35	106	21	A	H
802.11ac		17070	49.34	-18.86	68.2	44	40.94	20.64	56.24	100	0	P	H
VHT80													H
CH 138		11380	53.08	-20.92	74	52.83	40.19	16.41	56.35	102	18	P	V
5690MHz		11380	39.85	-14.15	54	39.6	40.19	16.41	56.35	102	18	A	V
		17070	50	-18.2	68.2	44.66	40.94	20.64	56.24	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac 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		38.64	24.99	-15.01	40	34.65	19.82	0.83	30.31	-	-	P	H
		112.08	27.29	-16.21	43.5	39.31	16.92	1.48	30.42	-	-	P	H
		127.74	28.09	-15.41	43.5	39.56	17.34	1.59	30.4	-	-	P	H
		782.3	32.07	-13.93	46	29.53	27.95	3.92	29.33	-	-	P	H
		867.7	34.03	-11.97	46	30.01	29.06	4.15	29.19	-	-	P	H
		932.8	34.92	-11.08	46	29.75	29.85	4.37	29.05	100	0	P	H
													H
													H
													H
													H
													H
													H
		38.37	35.62	-4.38	40	45.28	19.82	0.83	30.31	100	0	P	V
		66.72	28.31	-11.69	40	45.65	11.97	1.15	30.46	-	-	P	V
		111.81	29.11	-14.39	43.5	41.19	16.86	1.48	30.42	-	-	P	V
		723.5	30.07	-15.93	46	28.67	27.11	3.76	29.47	-	-	P	V
		864.9	33.61	-12.39	46	29.63	29.03	4.14	29.19	-	-	P	V
		951.7	35.09	-10.91	46	29.02	30.63	4.43	28.99	-	-	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		5148.72	67.93	-6.07	74	57.3	31.79	9.98	31.14	100	62	P	H
		5150	49.47	-4.53	54	38.84	31.79	9.98	31.14	100	62	A	H
	*	5180	118.05	-	-	107.36	31.81	10.02	31.14	100	62	P	H
	*	5180	107.27	-	-	96.58	31.81	10.02	31.14	100	62	A	H
													H
													H
		5148.46	66.24	-7.76	74	55.61	31.79	9.98	31.14	109	88	P	V
		5148.98	51.16	-2.84	54	40.53	31.79	9.98	31.14	109	88	A	V
	*	5180	117.47	-	-	106.78	31.81	10.02	31.14	109	88	P	V
	*	5180	106.96	-	-	96.27	31.81	10.02	31.14	109	88	A	V
													V
													V
802.11a CH 44 5220MHz		5149.24	56.16	-17.84	74	45.53	31.79	9.98	31.14	100	18	P	H
		5150	41.89	-12.11	54	31.26	31.79	9.98	31.14	100	18	A	H
	*	5220	118.48	-	-	107.73	31.83	10.06	31.14	100	18	P	H
	*	5220	107.77	-	-	97.02	31.83	10.06	31.14	100	18	A	H
		5367.04	54.18	-19.82	74	43.24	31.92	10.17	31.15	100	18	P	H
		5453	42.04	-11.96	54	30.96	31.97	10.26	31.15	100	18	A	H
		5146.38	56.71	-17.29	74	46.08	31.79	9.98	31.14	121	91	P	V
		5149.76	42.47	-11.53	54	31.84	31.79	9.98	31.14	121	91	A	V
	*	5220	117.92	-	-	107.17	31.83	10.06	31.14	121	91	P	V
	*	5220	107.33	-	-	96.58	31.83	10.06	31.14	121	91	A	V
		5372.36	53.7	-20.3	74	42.75	31.92	10.18	31.15	121	91	P	V
		5372.64	41.92	-12.08	54	30.97	31.92	10.18	31.15	121	91	A	V

802.11a CH 48 5240MHz		5142.74	53.64	-20.36	74	43.02	31.79	9.97	31.14	105	64	P	H
		5148.98	41.46	-12.54	54	30.83	31.79	9.98	31.14	105	64	A	H
	*	5240	118.01	-	-	107.24	31.84	10.07	31.14	105	64	P	H
	*	5240	107.71	-	-	96.94	31.84	10.07	31.14	105	64	A	H
		5399.24	54.32	-19.68	74	43.33	31.94	10.2	31.15	105	64	P	H
		5350.8	42.63	-11.37	54	31.71	31.91	10.16	31.15	105	64	A	H
		5139.88	53.47	-20.53	74	42.85	31.79	9.97	31.14	112	95	P	V
		5148.2	41.34	-12.66	54	30.71	31.79	9.98	31.14	112	95	A	V
	*	5240	117.57	-	-	106.8	31.84	10.07	31.14	112	95	P	V
	*	5240	107.2	-	-	96.43	31.84	10.07	31.14	112	95	A	V
		5440.4	54.11	-19.89	74	43.06	31.96	10.24	31.15	112	95	P	V
		5392.8	41.96	-12.04	54	30.99	31.93	10.19	31.15	112	95	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	49.58	-18.62	68.2	51.08	39.86	15.6	56.96	100	0	P	H
		15540	53.63	-20.37	74	52.16	38.53	19.59	56.65	200	239	P	H
		15540	40.07	-13.93	54	38.6	38.53	19.59	56.65	200	239	A	H
													H
		10360	49.7	-18.5	68.2	51.2	39.86	15.6	56.96	100	0	P	V
		15540	58.04	-15.96	74	56.57	38.53	19.59	56.65	106	10	P	V
		15540	43.47	-10.53	54	42	38.53	19.59	56.65	106	10	A	V
													V
802.11a CH 44 5220MHz		10440	48.07	-25.93	74	52.59	39.98	15.67	60.17	100	0	P	H
		15660	57.8	-16.2	74	57.75	38.29	19.64	57.88	100	207	P	H
		15660	43.8	-10.2	54	43.75	38.29	19.64	57.88	100	207	A	H
													H
		10440	47.82	-26.18	74	52.34	39.98	15.67	60.17	100	0	P	V
		15660	56.57	-17.43	74	56.52	38.29	19.64	57.88	100	0	P	V
		15660	43.25	-10.75	54	43.2	38.29	19.64	57.88	100	0	A	V
													V
802.11a CH 48 5240MHz		10480	50.01	-18.19	68.2	51.15	40.07	15.7	56.91	100	0	P	H
		15720	57.45	-16.55	74	56.09	38.15	19.65	56.44	195	240	P	H
		15720	42.98	-11.02	54	41.62	38.15	19.65	56.44	195	240	A	H
													H
		10480	50.32	-17.88	68.2	51.46	40.07	15.7	56.91	100	0	P	V
		15720	58.72	-15.28	74	57.36	38.15	19.65	56.44	100	10	P	V
		15720	44.88	-9.12	54	43.52	38.15	19.65	56.44	100	10	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+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.42	67.92	-6.08	74	57.29	31.79	9.98	31.14	110	15	P	H
		5150	51.05	-2.95	54	40.42	31.79	9.98	31.14	110	15	A	H
	*	5180	117.06	-	-	106.37	31.81	10.02	31.14	110	15	P	H
	*	5180	106.06	-	-	95.37	31.81	10.02	31.14	110	15	A	H
802.11n													H
HT20													H
CH 36		5150	65.5	-8.5	74	54.87	31.79	9.98	31.14	106	89	P	V
5180MHz		5149.76	48.74	-5.26	54	38.11	31.79	9.98	31.14	106	89	A	V
	*	5180	116.37	-	-	105.68	31.81	10.02	31.14	106	89	P	V
	*	5180	105.53	-	-	94.84	31.81	10.02	31.14	106	89	A	V
													V
													V
		5149.24	59.17	-14.83	74	48.54	31.79	9.98	31.14	101	63	P	H
		5150	42.84	-11.16	54	32.21	31.79	9.98	31.14	101	63	A	H
	*	5220	117.77	-	-	107.02	31.83	10.06	31.14	101	63	P	H
	*	5220	106.57	-	-	95.82	31.83	10.06	31.14	101	63	A	H
802.11n		5382.16	54.39	-19.61	74	43.42	31.93	10.19	31.15	101	63	P	H
HT20		5356.96	42.66	-11.34	54	31.73	31.91	10.17	31.15	101	63	A	H
CH 44		5149.76	58.14	-15.86	74	47.51	31.79	9.98	31.14	111	93	P	V
5220MHz		5148.2	42.52	-11.48	54	31.89	31.79	9.98	31.14	111	93	A	V
	*	5220	116.17	-	-	105.42	31.83	10.06	31.14	111	93	P	V
	*	5220	105.08	-	-	94.33	31.83	10.06	31.14	111	93	A	V
		5430.88	54.57	-19.43	74	43.53	31.96	10.23	31.15	111	93	P	V
		5453	42.11	-11.89	54	31.03	31.97	10.26	31.15	111	93	A	V

		5089.44	53.84	-20.16	74	43.31	31.76	9.91	31.14	104	63	P	H
		5150	41.6	-12.4	54	30.97	31.79	9.98	31.14	104	63	A	H
	*	5240	116.49	-	-	105.72	31.84	10.07	31.14	104	63	P	H
	*	5240	105.44	-	-	94.67	31.84	10.07	31.14	104	63	A	H
802.11n		5356.68	55	-19	74	44.07	31.91	10.17	31.15	104	63	P	H
HT20		5351.64	43.3	-10.7	54	32.38	31.91	10.16	31.15	104	63	A	H
CH 48		5146.9	55.54	-18.46	74	44.91	31.79	9.98	31.14	100	93	P	V
5240MHz		5143.52	41.68	-12.32	54	31.06	31.79	9.97	31.14	100	93	A	V
	*	5240	117.76	-	-	106.99	31.84	10.07	31.14	100	93	P	V
	*	5240	106.46	-	-	95.69	31.84	10.07	31.14	100	93	A	V
		5353.32	56.74	-17.26	74	45.82	31.91	10.16	31.15	100	93	P	V
		5355.28	42.5	-11.5	54	31.58	31.91	10.16	31.15	100	93	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	48.77	-19.43	68.2	50.27	39.86	15.6	56.96	100	0	P	H
		15540	47.84	-26.16	74	46.37	38.53	19.59	56.65	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	50.5	-17.7	68.2	52	39.86	15.6	56.96	100	0	P	V
5180MHz		15540	48.69	-25.31	74	47.22	38.53	19.59	56.65	100	0	P	V
													V
													V
		10440	49.49	-18.71	68.2	50.76	39.98	15.67	56.92	100	0	P	H
		15660	48.46	-25.54	74	47.04	38.29	19.64	56.51	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	49.63	-18.57	68.2	50.9	39.98	15.67	56.92	100	0	P	V
5220MHz		15660	57.41	-16.59	74	55.99	38.29	19.64	56.51	100	10	P	V
		15660	41.8	-12.2	54	40.38	38.29	19.64	56.51	100	10	A	V
													V
		10480	49.69	-18.51	68.2	50.83	40.07	15.7	56.91	100	0	P	H
		15720	55.61	-18.39	74	54.25	38.15	19.65	56.44	197	238	P	H
802.11n		15720	39.92	-14.08	54	38.56	38.15	19.65	56.44	197	238	A	H
HT20													H
CH 48		10480	49.53	-18.67	68.2	50.67	40.07	15.7	56.91	100	0	P	V
5240MHz		15720	57.78	-16.22	74	56.42	38.15	19.65	56.44	104	10	P	V
		15720	41.2	-12.8	54	39.84	38.15	19.65	56.44	104	10	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 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)
		5144.04	61.66	-12.34	74	51.04	31.79	9.97	31.14	108	15	P	H
		5148.46	50.45	-3.55	54	39.82	31.79	9.98	31.14	108	15	A	H
	*	5190	111.44	-	-	100.74	31.81	10.03	31.14	108	15	P	H
	*	5190	101.04	-	-	90.34	31.81	10.03	31.14	108	15	A	H
802.11n		5456.64	53.76	-20.24	74	42.68	31.97	10.26	31.15	108	15	P	H
HT40		5356.68	42.51	-11.49	54	31.58	31.91	10.17	31.15	108	15	A	H
CH 38		5143.78	63.28	-10.72	74	52.66	31.79	9.97	31.14	106	86	P	V
5190MHz		5148.46	51.93	-2.07	54	41.3	31.79	9.98	31.14	106	86	A	V
	*	5190	111.83	-	-	101.13	31.81	10.03	31.14	106	86	P	V
	*	5190	101.26	-	-	90.56	31.81	10.03	31.14	106	86	A	V
		5422.2	54.61	-19.39	74	43.59	31.95	10.22	31.15	106	86	P	V
		5350.52	42.51	-11.49	54	31.59	31.91	10.16	31.15	106	86	A	V
		5147.68	56.51	-17.49	74	45.88	31.79	9.98	31.14	100	72	P	H
		5150	43.69	-10.31	54	33.06	31.79	9.98	31.14	100	72	A	H
	*	5230	113.06	-	-	102.3	31.84	10.06	31.14	100	72	P	H
	*	5230	102.84	-	-	92.08	31.84	10.06	31.14	100	72	A	H
802.11n		5355.28	56.25	-17.75	74	45.33	31.91	10.16	31.15	100	72	P	H
HT40		5351.64	43.24	-10.76	54	32.32	31.91	10.16	31.15	100	72	A	H
CH 46		5143.52	56.74	-17.26	74	46.12	31.79	9.97	31.14	102	86	P	V
5230MHz		5150	44.59	-9.41	54	33.96	31.79	9.98	31.14	102	86	A	V
	*	5230	113.82	-	-	103.06	31.84	10.06	31.14	102	86	P	V
	*	5230	103.16	-	-	92.4	31.84	10.06	31.14	102	86	A	V
		5351.36	56.76	-17.24	74	45.84	31.91	10.16	31.15	102	86	P	V
		5452.72	42.98	-11.02	54	31.9	31.97	10.26	31.15	102	86	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	48.07	-25.93	74	49.51	39.89	15.62	56.95	100	0	P	H
		15570	47.19	-26.81	74	45.75	38.46	19.6	56.62	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	47.89	-26.11	74	49.33	39.89	15.62	56.95	100	0	P	V
5190MHz		15570	46.29	-27.71	74	44.85	38.46	19.6	56.62	100	0	P	V
													V
													V
		10460	49.5	-18.7	68.2	50.73	40.01	15.68	56.92	100	0	P	H
		15690	48.47	-25.53	74	47.08	38.22	19.64	56.47	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	49.37	-18.83	68.2	50.6	40.01	15.68	56.92	100	0	P	V
5230MHz		15690	47.64	-26.36	74	46.25	38.22	19.64	56.47	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.34	61.64	-12.36	74	51.02	31.79	9.97	31.14	105	15	P	H
		5145.34	51.29	-2.71	54	40.67	31.79	9.97	31.14	105	15	A	H
	*	5210	106.57	-	-	95.83	31.83	10.05	31.14	105	15	P	H
	*	5210	95.87	-	-	85.13	31.83	10.05	31.14	105	15	A	H
802.11ac		5396.72	53.89	-20.11	74	42.9	31.94	10.2	31.15	105	15	P	H
VHT80		5453.28	42.9	-11.1	54	31.82	31.97	10.26	31.15	105	15	A	H
CH 42		5145.34	61.64	-12.36	74	51.02	31.79	9.97	31.14	100	92	P	V
5210MHz		5147.68	51.04	-2.96	54	40.41	31.79	9.98	31.14	100	92	A	V
	*	5210	106.52	-	-	95.78	31.83	10.05	31.14	100	92	P	V
	*	5210	96.01	-	-	85.27	31.83	10.05	31.14	100	92	A	V
		5429.76	53.41	-20.59	74	42.37	31.96	10.23	31.15	100	92	P	V
		5452.72	43.2	-10.8	54	32.12	31.97	10.26	31.15	100	92	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	48.91	-25.09	74	50.24	39.95	15.65	56.93	100	0	P	H
		15630	47.15	-26.85	74	45.75	38.32	19.62	56.54	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.76	-25.24	74	50.09	39.95	15.65	56.93	100	0	P	V
5210MHz		15630	47.41	-26.59	74	46.01	38.32	19.62	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		5141.1	52.97	-21.03	74	42.35	31.79	9.97	31.14	100	16	P	H
		5148.24	41.12	-12.88	54	30.49	31.79	9.98	31.14	100	16	A	H
	*	5260	117.32	-	-	106.52	31.86	10.09	31.15	100	16	P	H
	*	5260	107.11	-	-	96.31	31.86	10.09	31.15	100	16	A	H
		5353.68	55.16	-18.84	74	44.24	31.91	10.16	31.15	100	16	P	H
		5351.28	43.02	-10.98	54	32.1	31.91	10.16	31.15	100	16	A	H
		5106.42	53.28	-20.72	74	42.72	31.77	9.93	31.14	101	94	P	V
		5149.6	41.2	-12.8	54	30.57	31.79	9.98	31.14	101	94	A	V
	*	5260	116.91	-	-	106.11	31.86	10.09	31.15	101	94	P	V
	*	5260	106.74	-	-	95.94	31.86	10.09	31.15	101	94	A	V
		5371.2	54.83	-19.17	74	43.88	31.92	10.18	31.15	101	94	P	V
		5350.32	43.03	-10.97	54	32.11	31.91	10.16	31.15	101	94	A	V
802.11a CH 60 5300MHz		5097.58	53.2	-20.8	74	42.66	31.76	9.92	31.14	100	18	P	H
		5147.9	41.33	-12.67	54	30.7	31.79	9.98	31.14	100	18	A	H
	*	5300	118.31	-	-	107.46	31.88	10.12	31.15	100	18	P	H
	*	5300	107.7	-	-	96.85	31.88	10.12	31.15	100	18	A	H
		5350.56	68.2	-5.8	74	57.28	31.91	10.16	31.15	100	18	P	H
		5350.56	46.31	-7.69	54	35.39	31.91	10.16	31.15	100	18	A	H
		5142.12	53.31	-20.69	74	42.69	31.79	9.97	31.14	106	91	P	V
		5139.4	41.23	-12.77	54	30.62	31.78	9.97	31.14	106	91	A	V
	*	5300	117.8	-	-	106.95	31.88	10.12	31.15	106	91	P	V
	*	5300	107.24	-	-	96.39	31.88	10.12	31.15	106	91	A	V
		5351.76	68.08	-5.92	74	57.16	31.91	10.16	31.15	106	91	P	V
		5354.64	46.07	-7.93	54	35.15	31.91	10.16	31.15	106	91	A	V

802.11a CH 64 5320MHz	*	5320	116.29	-	-	105.41	31.89	10.14	31.15	100	63	P	H
	*	5320	105.58	-	-	94.7	31.89	10.14	31.15	100	63	A	H
		5352.64	62.29	-11.71	74	51.37	31.91	10.16	31.15	100	63	P	H
		5352.32	48.53	-5.47	54	37.61	31.91	10.16	31.15	100	63	A	H
													H
													H
	*	5320	115.72	-	-	104.84	31.89	10.14	31.15	110	93	P	V
	*	5320	105.47	-	-	94.59	31.89	10.14	31.15	110	93	A	V
		5350.72	62.39	-11.61	74	51.47	31.91	10.16	31.15	110	93	P	V
		5350.24	50.3	-3.7	54	39.38	31.91	10.16	31.15	110	93	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	48.79	-25.21	74	49.83	40.11	15.73	56.88	100	0	P	H
		15780	54.92	-19.08	74	53.55	38.05	19.68	56.36	197	239	P	H
		15780	40.7	-13.3	54	39.33	38.05	19.68	56.36	197	239	A	H
													H
		10520	48.31	-25.69	74	49.35	40.11	15.73	56.88	100	0	P	V
		15780	55.65	-18.35	74	54.28	38.05	19.68	56.36	107	11	P	V
		15780	42.09	-11.91	54	40.72	38.05	19.68	56.36	107	11	A	V
													V
802.11a CH 60 5300MHz		10600	45.76	-28.24	74	50.32	40.18	15.8	60.54	100	0	P	H
		15900	48.36	-25.64	74	48.36	37.81	19.73	57.54	100	0	P	H
													H
													H
		10600	45.55	-28.45	74	50.11	40.18	15.8	60.54	100	0	P	V
		15900	47.63	-26.37	74	47.63	37.81	19.73	57.54	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	50.81	-23.19	74	51.57	40.21	15.82	56.79	100	0	P	H
		10640	36.81	-17.19	54	37.57	40.21	15.82	56.79	100	0	A	H
		15960	47.11	-26.89	74	45.85	37.67	19.74	56.15	100	0	P	H
													H
		10640	50.63	-23.37	74	51.39	40.21	15.82	56.79	100	0	P	V
		10640	36.86	-17.14	54	37.62	40.21	15.82	56.79	100	0	A	V
		15960	48.03	-25.97	74	46.77	37.67	19.74	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 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)
		5106.42	54.01	-19.99	74	43.45	31.77	9.93	31.14	100	62	P	H
		5145.52	41.34	-12.66	54	30.72	31.79	9.97	31.14	100	62	A	H
	*	5260	116.99	-	-	106.19	31.86	10.09	31.15	100	62	P	H
	*	5260	105.67	-	-	94.87	31.86	10.09	31.15	100	62	A	H
802.11n		5352.24	59.28	-14.72	74	48.36	31.91	10.16	31.15	100	62	P	H
HT20		5352.72	43.51	-10.49	54	32.59	31.91	10.16	31.15	100	62	A	H
CH 52		5149.26	52.93	-21.07	74	42.3	31.79	9.98	31.14	101	94	P	V
5260MHz		5149.94	41.44	-12.56	54	30.81	31.79	9.98	31.14	101	94	A	V
	*	5260	115.85	-	-	105.05	31.86	10.09	31.15	101	94	P	V
	*	5260	105.08	-	-	94.28	31.86	10.09	31.15	101	94	A	V
		5351.28	58.42	-15.58	74	47.5	31.91	10.16	31.15	101	94	P	V
		5350.56	43.19	-10.81	54	32.27	31.91	10.16	31.15	101	94	A	V
		5145.52	52.97	-21.03	74	42.35	31.79	9.97	31.14	195	16	P	H
		5149.6	40.97	-13.03	54	30.34	31.79	9.98	31.14	195	16	A	H
	*	5300	117.65	-	-	106.8	31.88	10.12	31.15	195	16	P	H
	*	5300	106.13	-	-	95.28	31.88	10.12	31.15	195	16	A	H
802.11n		5350.08	69.9	-4.1	74	58.98	31.91	10.16	31.15	195	16	P	H
HT20		5350.32	46.09	-7.91	54	35.17	31.91	10.16	31.15	195	16	A	H
CH 60		5143.48	53	-21	74	42.38	31.79	9.97	31.14	100	93	P	V
5300MHz		5143.14	41.29	-12.71	54	30.67	31.79	9.97	31.14	100	93	A	V
	*	5300	117.38	-	-	106.53	31.88	10.12	31.15	100	93	P	V
	*	5300	106.6	-	-	95.75	31.88	10.12	31.15	100	93	A	V
		5352.24	69.04	-4.96	74	58.12	31.91	10.16	31.15	100	93	P	V
		5352.24	46.44	-7.56	54	35.52	31.91	10.16	31.15	100	93	A	V

	*	5320	116.6	-	-	105.72	31.89	10.14	31.15	100	69	P	H
	*	5320	105.51	-	-	94.63	31.89	10.14	31.15	100	69	A	H
		5355.36	68.88	-5.12	74	57.96	31.91	10.16	31.15	100	69	P	H
		5355.52	47.64	-6.36	54	36.72	31.91	10.16	31.15	100	69	A	H
802.11n													H
HT20													H
CH 64	*	5320	115.02	-	-	104.14	31.89	10.14	31.15	111	91	P	V
5320MHz	*	5320	104.31	-	-	93.43	31.89	10.14	31.15	111	91	A	V
		5353.12	65.97	-8.03	74	55.05	31.91	10.16	31.15	111	91	P	V
		5351.04	51.04	-2.96	54	40.12	31.91	10.16	31.15	111	91	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	48.59	-25.41	74	49.63	40.11	15.73	56.88	100	0	P	H
		15780	48.73	-25.27	74	47.36	38.05	19.68	56.36	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	48.39	-25.61	74	49.43	40.11	15.73	56.88	100	0	P	V
5260MHz		15780	48.16	-25.84	74	46.79	38.05	19.68	56.36	100	0	P	V
													V
													V
		10600	48.94	-25.06	74	49.78	40.18	15.8	56.82	100	0	P	H
		15900	54.34	-19.66	74	53.02	37.81	19.73	56.22	197	238	P	H
802.11n		15900	39.35	-14.65	54	38.03	37.81	19.73	56.22	197	238	A	H
HT20													H
CH 60		10600	48.92	-25.08	74	49.76	40.18	15.8	56.82	100	0	P	V
5300MHz		15900	48.26	-25.74	74	46.94	37.81	19.73	56.22	100	0	P	V
													V
													V
		10640	50.67	-23.33	74	51.43	40.21	15.82	56.79	100	0	P	H
		10640	37.11	-16.89	54	37.87	40.21	15.82	56.79	100	0	A	H
802.11n		15960	45.47	-28.53	74	44.21	37.67	19.74	56.15	100	0	P	H
HT20													H
CH 64		10640	50.72	-23.28	74	51.48	40.21	15.82	56.79	100	0	P	V
5320MHz		10640	36.79	-17.21	54	37.55	40.21	15.82	56.79	100	0	A	V
		15960	46.62	-27.38	74	45.36	37.67	19.74	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)
		5140.08	52.98	-21.02	74	42.36	31.79	9.97	31.14	115	16	P	H
		5137.36	41.82	-12.18	54	31.22	31.78	9.96	31.14	115	16	A	H
	*	5270	113.85	-	-	103.04	31.86	10.1	31.15	115	16	P	H
	*	5270	103.46	-	-	92.65	31.86	10.1	31.15	115	16	A	H
802.11n		5350.56	62.96	-11.04	74	52.04	31.91	10.16	31.15	115	16	P	H
HT40		5352.24	45.82	-8.18	54	34.9	31.91	10.16	31.15	115	16	A	H
CH 54		5026.18	53.16	-20.84	74	42.75	31.72	9.83	31.14	105	87	P	V
5270MHz		5148.92	42	-12	54	31.37	31.79	9.98	31.14	105	87	A	V
	*	5270	113.26	-	-	102.45	31.86	10.1	31.15	105	87	P	V
	*	5270	103.34	-	-	92.53	31.86	10.1	31.15	105	87	A	V
		5350.56	61.89	-12.11	74	50.97	31.91	10.16	31.15	105	87	P	V
		5350.32	46.69	-7.31	54	35.77	31.91	10.16	31.15	105	87	A	V
		5109.82	52.95	-21.05	74	42.39	31.77	9.93	31.14	101	68	P	H
		5145.86	41.63	-12.37	54	31	31.79	9.98	31.14	101	68	A	H
	*	5310	108.73	-	-	97.86	31.89	10.13	31.15	101	68	P	H
	*	5310	98.29	-	-	87.42	31.89	10.13	31.15	101	68	A	H
802.11n		5355.84	63.82	-10.18	74	52.9	31.91	10.16	31.15	101	68	P	H
HT40		5350.08	52.66	-1.34	54	41.74	31.91	10.16	31.15	101	68	A	H
CH 62		5143.82	53.02	-20.98	74	42.4	31.79	9.97	31.14	100	88	P	V
5310MHz		5139.74	41.88	-12.12	54	31.26	31.79	9.97	31.14	100	88	A	V
	*	5310	108.94	-	-	98.07	31.89	10.13	31.15	100	88	P	V
	*	5310	98.15	-	-	87.28	31.89	10.13	31.15	100	88	A	V
		5354.64	62.23	-11.77	74	51.31	31.91	10.16	31.15	100	88	P	V
		5353.92	49.9	-4.1	54	38.98	31.91	10.16	31.15	100	88	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	48.86	-25.14	74	49.85	40.13	15.75	56.87	100	0	P	H
		15810	47.94	-26.06	74	46.6	37.98	19.69	56.33	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	48.51	-25.49	74	49.5	40.13	15.75	56.87	100	0	P	V
5270MHz		15810	51.09	-22.91	74	49.75	37.98	19.69	56.33	112	10	P	V
		15810	38.81	-15.19	54	37.47	37.98	19.69	56.33	112	10	A	V
													V
		10620	51.03	-22.97	74	51.83	40.2	15.8	56.8	100	0	P	H
		10620	37.44	-16.56	54	38.24	40.2	15.8	56.8	100	0	A	H
802.11n		15930	46.93	-27.07	74	45.63	37.74	19.74	56.18	100	0	P	H
HT40													H
CH 62		10620	50.95	-23.05	74	51.75	40.2	15.8	56.8	100	0	P	V
5310MHz		10620	37.71	-16.29	54	38.51	40.2	15.8	56.8	100	0	A	V
		15930	46.31	-27.69	74	45.01	37.74	19.74	56.18	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac 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)
		5055.08	52.63	-21.37	74	42.16	31.74	9.87	31.14	100	15	P	H
		5123.42	41.84	-12.16	54	31.25	31.78	9.95	31.14	100	15	A	H
	*	5290	102.12	-	-	91.29	31.87	10.11	31.15	100	15	P	H
	*	5290	93.71	-	-	82.88	31.87	10.11	31.15	100	15	A	H
802.11ac		5355.6	62.07	-11.93	74	51.15	31.91	10.16	31.15	100	15	P	H
VHT80		5352.96	52.48	-1.52	54	41.56	31.91	10.16	31.15	100	15	A	H
CH 58		5122.4	52.74	-21.26	74	42.16	31.77	9.95	31.14	100	85	P	V
5290MHz		5144.16	41.99	-12.01	54	31.37	31.79	9.97	31.14	100	85	A	V
	*	5290	101.5	-	-	90.67	31.87	10.11	31.15	100	85	P	V
	*	5290	92.84	-	-	82.01	31.87	10.11	31.15	100	85	A	V
		5350.56	60.89	-13.11	74	49.97	31.91	10.16	31.15	100	85	P	V
		5350.32	51.99	-2.01	54	41.07	31.91	10.16	31.15	100	85	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac 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	45.55	-28.45	74	50.09	40.17	15.78	60.49	100	0	P	H
		15870	46.46	-27.54	74	46.49	37.84	19.71	57.58	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	45.32	-28.68	74	49.86	40.17	15.78	60.49	100	0	P	V
5290MHz		15870	45.69	-28.31	74	45.72	37.84	19.71	57.58	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		5466.16	66.31	-7.69	74	55.21	31.98	10.27	31.15	100	82	P	H
		5469.68	48.26	-5.74	54	37.15	31.98	10.28	31.15	100	82	A	H
	*	5500	116.21	-	-	105.05	32	10.31	31.15	100	82	P	H
	*	5500	105.31	-	-	94.15	32	10.31	31.15	100	82	A	H
													H
													H
		5469.84	63.8	-10.2	74	52.69	31.98	10.28	31.15	100	89	P	V
		5467.6	47.64	-6.36	54	36.54	31.98	10.27	31.15	100	89	A	V
	*	5500	115.89	-	-	104.73	32	10.31	31.15	100	89	P	V
	*	5500	104.85	-	-	93.69	32	10.31	31.15	100	89	A	V
													V
													V
802.11a CH 116 5580MHz		5455.6	54.01	-19.99	74	42.93	31.97	10.26	31.15	102	77	P	H
		5452.72	42.25	-11.75	54	31.17	31.97	10.26	31.15	102	77	A	H
	*	5580	115.92	-	-	104.62	32.1	10.4	31.2	102	77	P	H
	*	5580	105.28	-	-	93.98	32.1	10.4	31.2	102	77	A	H
		5754.29	53.94	-20.06	74	42.31	32.36	10.54	31.27	102	77	P	H
		5728.46	42.08	-11.92	54	30.51	32.31	10.52	31.26	102	77	A	H
		5454.64	54.61	-19.39	74	43.53	31.97	10.26	31.15	100	89	P	V
		5452.72	42.34	-11.66	54	31.26	31.97	10.26	31.15	100	89	A	V
	*	5580	115.93	-	-	104.63	32.1	10.4	31.2	100	89	P	V
	*	5580	104.86	-	-	93.56	32.1	10.4	31.2	100	89	A	V
		5726.255	54.65	-19.35	74	43.08	32.31	10.52	31.26	100	89	P	V
		5730.035	42.47	-11.53	54	30.9	32.31	10.52	31.26	100	89	A	V

802.11a CH 140 5700MHz	*	5700	115.19	-	-	103.67	32.27	10.5	31.25	103	74	P	H
	*	5700	104.65	-	-	93.13	32.27	10.5	31.25	103	74	A	H
		5725.32	61.81	-12.19	74	50.24	32.31	10.52	31.26	103	74	P	H
		5725	49.66	-4.34	54	38.09	32.31	10.52	31.26	103	74	A	H
													H
													H
	*	5700	115.4	-	-	103.88	32.27	10.5	31.25	100	88	P	V
	*	5700	104.5	-	-	92.98	32.27	10.5	31.25	100	88	A	V
		5751.88	65.94	-8.06	74	54.31	32.36	10.54	31.27	100	88	P	V
		5726.52	47.99	-6.01	54	36.42	32.31	10.52	31.26	100	88	A	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	50.12	-23.88	74	55.02	40.5	16.1	61.5	100	19	P	H
		11000	38.63	-15.37	54	43.53	40.5	16.1	61.5	100	19	A	H
		16500	45.25	-28.75	74	42.77	39.6	20.18	57.3	100	0	P	H
													H
		11000	47.34	-26.66	74	52.24	40.5	16.1	61.5	100	0	P	V
		16500	45.54	-28.46	74	43.06	39.6	20.18	57.3	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	54.2	-19.8	74	59.13	40.37	16.23	61.53	100	20	P	H
		11160	41.55	-12.45	54	46.48	40.37	16.23	61.53	100	20	A	H
		16740	48.19	-25.81	74	44.51	40.13	20.37	56.82	100	0	P	H
													H
		11160	59.52	-14.48	74	59.36	40.37	16.23	56.44	100	17	P	V
		11160	44.31	-9.69	54	44.15	40.37	16.23	56.44	100	17	A	V
		16740	48.75	-25.25	74	44.14	40.13	20.37	55.89	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	65.34	-8.66	74	65.08	40.18	16.42	56.34	100	20	P	H
		11400	50.48	-3.52	54	50.22	40.18	16.42	56.34	100	20	A	H
		17100	50.3	-23.7	74	44.87	41.06	20.67	56.3	100	166	P	H
		17100	39.84	-14.16	54	34.41	41.06	20.67	56.3	100	166	A	H
		11400	58.43	-15.57	74	58.17	40.18	16.42	56.34	100	0	P	V
		11400	46.46	-7.54	54	46.2	40.18	16.42	56.34	100	0	A	V
		17100	51.1	-22.9	74	45.67	41.06	20.67	56.3	100	18	P	V
		17100	40.98	-13.02	54	35.55	41.06	20.67	56.3	100	18	A	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)
		5469.36	68.81	-5.19	74	57.7	31.98	10.28	31.15	100	17	P	H
		5468.56	48.93	-5.07	54	37.82	31.98	10.28	31.15	100	17	A	H
	*	5500	116.76	-	-	105.6	32	10.31	31.15	100	17	P	H
	*	5500	105.68	-	-	94.52	32	10.31	31.15	100	17	A	H
802.11n													H
HT20													H
CH 100		5468.72	65.74	-8.26	74	54.63	31.98	10.28	31.15	103	91	P	V
5500MHz		5462.16	46.75	-7.25	54	35.66	31.97	10.27	31.15	103	91	A	V
	*	5500	116.84	-	-	105.68	32	10.31	31.15	103	91	P	V
	*	5500	105.43	-	-	94.27	32	10.31	31.15	103	91	A	V
													V
													V
		5430.88	54.25	-19.75	74	43.21	31.96	10.23	31.15	101	80	P	H
		5462.56	42.08	-11.92	54	30.98	31.98	10.27	31.15	101	80	A	H
	*	5580	116.15	-	-	104.85	32.1	10.4	31.2	101	80	P	H
	*	5580	104.85	-	-	93.55	32.1	10.4	31.2	101	80	A	H
802.11n		5732.87	54.11	-19.89	74	42.54	32.31	10.53	31.27	101	80	P	H
HT20		5760.275	42.2	-11.8	54	30.57	32.36	10.55	31.28	101	80	A	H
CH 116		5445.04	54.06	-19.94	74	43	31.96	10.25	31.15	100	88	P	V
5580MHz		5452.72	42.85	-11.15	54	31.77	31.97	10.26	31.15	100	88	A	V
	*	5580	116.43	-	-	105.13	32.1	10.4	31.2	100	88	P	V
	*	5580	105.01	-	-	93.71	32.1	10.4	31.2	100	88	A	V
		5757.125	54.37	-19.63	74	42.74	32.36	10.55	31.28	100	88	P	V
		5760.275	42.59	-11.41	54	30.96	32.36	10.55	31.28	100	88	A	V

	*	5700	114.98	-	-	103.46	32.27	10.5	31.25	100	75	P	H
	*	5700	103.89	-	-	92.37	32.27	10.5	31.25	100	75	A	H
		5729.4	68.93	-5.07	74	57.36	32.31	10.52	31.26	100	75	P	H
		5725.16	49.31	-4.69	54	37.74	32.31	10.52	31.26	100	75	A	H
802.11n													H
HT20													H
CH 140	*	5700	114.02	-	-	102.5	32.27	10.5	31.25	100	93	P	V
5700MHz	*	5700	103.36	-	-	91.84	32.27	10.5	31.25	100	93	A	V
		5729.08	66.93	-7.07	74	55.36	32.31	10.52	31.26	100	93	P	V
		5725	49.65	-4.35	54	38.08	32.31	10.52	31.26	100	93	A	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	61.28	-12.72	74	61.18	40.5	16.1	56.5	226	177	P	H
		11000	45.79	-8.21	54	45.69	40.5	16.1	56.5	226	177	A	H
802.11n		16500	46.98	-27.02	74	42.9	39.6	20.18	55.7	100	0	P	H
HT20													H
CH 100		11000	58.69	-15.31	74	58.59	40.5	16.1	56.5	100	321	P	V
5500MHz		11000	43.67	-10.33	54	43.57	40.5	16.1	56.5	100	321	A	V
		16500	48.03	-25.97	74	43.95	39.6	20.18	55.7	100	0	P	V
													V
		11160	66.07	-7.93	74	65.91	40.37	16.23	56.44	232	178	P	H
		11160	50.58	-3.42	54	50.42	40.37	16.23	56.44	232	178	A	H
802.11n		16740	48.65	-25.35	74	44.04	40.13	20.37	55.89	100	0	P	H
HT20													H
CH 116		11160	63.09	-10.91	74	62.93	40.37	16.23	56.44	100	16	P	V
5580MHz		11160	47.24	-6.76	54	47.08	40.37	16.23	56.44	100	16	A	V
		16740	48.33	-25.67	74	43.72	40.13	20.37	55.89	100	0	P	V
													V
		11400	66.88	-7.12	74	66.62	40.18	16.42	56.34	234	175	P	H
		11400	50.66	-3.34	54	50.4	40.18	16.42	56.34	234	175	A	H
802.11n		17100	53.75	-20.25	74	48.32	41.06	20.67	56.3	282	26	P	H
HT20		17100	39.62	-14.38	54	34.19	41.06	20.67	56.3	282	26	A	H
CH 140		11400	64.09	-9.91	74	63.83	40.18	16.42	56.34	100	3	P	V
5700MHz		11400	47.8	-6.2	54	47.54	40.18	16.42	56.34	100	3	A	V
		17100	53.66	-20.34	74	48.23	41.06	20.67	56.3	100	255	P	V
		17100	39.85	-14.15	54	34.42	41.06	20.67	56.3	100	255	A	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)
		5458	63.59	-10.41	74	52.51	31.97	10.26	31.15	101	73	P	H
		5466.64	66.85	-1.35	68.2	55.75	31.98	10.27	31.15	101	73	P	H
		5459.92	47.2	-6.8	54	36.11	31.97	10.27	31.15	101	73	A	H
	*	5510	111.56	-	-	100.4	32	10.32	31.16	101	73	P	H
802.11n	*	5510	101.17	-	-	90.01	32	10.32	31.16	101	73	A	H
HT40		5746.415	53.69	-14.51	68.2	42.08	32.34	10.54	31.27	101	73	P	H
CH 102		5456.08	64.57	-9.43	74	53.49	31.97	10.26	31.15	101	91	P	V
5510MHz		5470	66.51	-1.69	68.2	55.4	31.98	10.28	31.15	101	91	P	V
		5459.92	47.61	-6.39	54	36.52	31.97	10.27	31.15	101	91	A	V
	*	5510	111.55	-	-	100.39	32	10.32	31.16	101	91	P	V
	*	5510	100.95	-	-	89.79	32	10.32	31.16	101	91	A	V
		5734.76	53.97	-14.23	68.2	42.37	32.34	10.53	31.27	101	91	P	V
		5462.8	56.04	-17.96	74	44.94	31.98	10.27	31.15	101	82	P	H
		5470	44.44	-9.56	54	33.33	31.98	10.28	31.15	101	82	A	H
	*	5550	113.51	-	-	102.25	32.07	10.36	31.17	101	82	P	H
	*	5550	103.07	-	-	91.81	32.07	10.36	31.17	101	82	A	H
802.11n		5741.06	53.53	-20.47	74	41.93	32.34	10.53	31.27	101	82	P	H
HT40		5759.96	43.06	-10.94	54	31.43	32.36	10.55	31.28	101	82	A	H
CH 110		5467.84	59.87	-14.13	74	48.77	31.98	10.27	31.15	108	89	P	V
5550MHz		5470	44.83	-9.17	54	33.72	31.98	10.28	31.15	108	89	A	V
	*	5550	113.16	-	-	101.9	32.07	10.36	31.17	108	89	P	V
	*	5550	102.75	-	-	91.49	32.07	10.36	31.17	108	89	A	V
		5737.91	54.24	-19.76	74	42.64	32.34	10.53	31.27	108	89	P	V
		5760.275	43.46	-10.54	54	31.83	32.36	10.55	31.28	108	89	A	V

		5441.35	53.46	-20.54	74	42.4	31.96	10.25	31.15	114	77	P	H
		5432.25	42.45	-11.55	54	31.4	31.96	10.24	31.15	114	77	A	H
	*	5670	112.98	-	-	101.49	32.24	10.48	31.23	114	77	P	H
	*	5670	102.33	-	-	90.84	32.24	10.48	31.23	114	77	A	H
802.11n		5730.7	65.06	-8.94	74	53.5	32.31	10.52	31.27	114	77	P	H
HT40		5725.625	48.37	-5.63	54	36.8	32.31	10.52	31.26	114	77	A	H
CH 134		5367.85	53.69	-20.31	74	42.75	31.92	10.17	31.15	103	89	P	V
5670MHz		5452.55	42.63	-11.37	54	31.55	31.97	10.26	31.15	103	89	A	V
	*	5670	112.69	-	-	101.2	32.24	10.48	31.23	103	89	P	V
	*	5670	101.92	-	-	90.43	32.24	10.48	31.23	103	89	A	V
		5726.85	61.32	-12.68	74	49.75	32.31	10.52	31.26	103	89	P	V
		5727.375	49.03	-4.97	54	37.46	32.31	10.52	31.26	103	89	A	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	55.51	-18.49	74	55.39	40.49	16.12	56.49	227	179	P	H
		11020	43.28	-10.72	54	43.16	40.49	16.12	56.49	227	179	A	H
802.11n		16530	47.24	-20.96	68.2	43.08	39.68	20.2	55.72	100	0	P	H
HT40													H
CH 102		11020	52.25	-21.75	74	52.13	40.49	16.12	56.49	100	3	P	V
5510MHz		11020	40.31	-13.69	54	40.19	40.49	16.12	56.49	100	3	A	V
		16530	47.76	-20.44	68.2	43.6	39.68	20.2	55.72	100	0	P	V
													V
		11100	60.42	-13.58	74	60.28	40.42	16.18	56.46	228	179	P	H
		11100	48.06	-5.94	54	47.92	40.42	16.18	56.46	228	179	A	H
802.11n		16650	47.78	-26.22	74	43.36	39.94	20.3	55.82	100	0	P	H
HT40													H
CH 110		11100	56.15	-17.85	74	56.01	40.42	16.18	56.46	100	15	P	V
5550MHz		11100	44.4	-9.6	54	44.26	40.42	16.18	56.46	100	15	A	V
		16650	48.72	-25.28	74	44.3	39.94	20.3	55.82	100	0	P	V
													V
		11340	61.66	-12.34	74	61.41	40.23	16.38	56.36	209	216	P	H
		11340	50.33	-3.67	54	50.08	40.23	16.38	56.36	209	216	A	H
802.11n		17010	48.75	-25.25	74	43.52	40.76	20.59	56.12	100	0	P	H
HT40													H
CH 134		11340	59.35	-14.65	74	59.1	40.23	16.38	56.36	100	17	P	V
5670MHz		11340	47.36	-6.64	54	47.11	40.23	16.38	56.36	100	17	A	V
		17010	52.02	-21.98	74	46.79	40.76	20.59	56.12	118	19	P	V
		17010	39.25	-14.75	54	34.02	40.76	20.59	56.12	118	19	A	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)
		5451.76	61.98	-12.02	74	50.9	31.97	10.26	31.15	101	72	P	H
		5460.16	60.64	-7.56	68.2	49.55	31.97	10.27	31.15	101	72	P	H
		5457.76	52.58	-1.42	54	41.5	31.97	10.26	31.15	101	72	A	H
	*	5530	107.99	-	-	96.8	32.02	10.34	31.17	101	72	P	H
802.11ac	*	5530	97.71	-	-	86.52	32.02	10.34	31.17	101	72	A	H
VHT80		5735.705	53.39	-14.81	68.2	41.79	32.34	10.53	31.27	101	72	P	H
CH 106		5454.88	61	-13	74	49.92	31.97	10.26	31.15	114	91	P	V
5530MHz		5461.12	59.94	-8.26	68.2	48.85	31.97	10.27	31.15	114	91	P	V
		5458	51.4	-2.6	54	40.32	31.97	10.26	31.15	114	91	A	V
	*	5530	107.6	-	-	96.41	32.02	10.34	31.17	114	91	P	V
	*	5530	97.52	-	-	86.33	32.02	10.34	31.17	114	91	A	V
		5761.22	54.61	-13.59	68.2	42.98	32.36	10.55	31.28	114	91	P	V
		5469.28	55.53	-18.47	74	44.42	31.98	10.28	31.15	100	78	P	H
		5466.64	44.35	-9.65	54	33.25	31.98	10.27	31.15	100	78	A	H
	*	5610	110.56	-	-	99.2	32.14	10.43	31.21	100	78	P	H
	*	5610	99.98	-	-	88.62	32.14	10.43	31.21	100	78	A	H
802.11ac		5732.24	58.46	-15.54	74	46.89	32.31	10.53	31.27	100	78	P	H
VHT80		5730.035	47.95	-6.05	54	36.38	32.31	10.52	31.26	100	78	A	H
CH 122		5467.84	55.28	-18.72	74	44.18	31.98	10.27	31.15	100	89	P	V
5610MHz		5468.08	44.44	-9.56	54	33.34	31.98	10.27	31.15	100	89	A	V
	*	5610	110.25	-	-	98.89	32.14	10.43	31.21	100	89	P	V
	*	5610	99.66	-	-	88.3	32.14	10.43	31.21	100	89	A	V
		5730.035	58.73	-15.27	74	47.16	32.31	10.52	31.26	100	89	P	V
		5730.665	48.42	-5.58	54	36.86	32.31	10.52	31.27	100	89	A	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	54.34	-19.66	74	54.22	40.45	16.15	56.48	222	179	P	H
		11060	41.47	-12.53	54	41.35	40.45	16.15	56.48	222	179	A	H
802.11ac		16590	47.68	-20.52	68.2	43.41	39.79	20.25	55.77	100	0	P	H
VHT80													H
CH 106		11060	52.25	-21.75	74	52.13	40.45	16.15	56.48	100	0	P	V
5530MHz		11060	38.95	-15.05	54	38.83	40.45	16.15	56.48	100	0	A	V
		16590	47.71	-20.49	68.2	43.44	39.79	20.25	55.77	100	0	P	V
													V
		11220	60.01	-13.99	74	59.81	40.33	16.28	56.41	210	189	P	H
		11220	47.82	-6.18	54	47.62	40.33	16.28	56.41	210	189	A	H
802.11ac		16830	48.23	-25.77	74	43.42	40.32	20.45	55.96	100	0	P	H
VHT80													H
CH 122		11220	57.03	-16.97	74	56.83	40.33	16.28	56.41	102	17	P	V
5610MHz		11220	44.93	-9.07	54	44.73	40.33	16.28	56.41	102	17	A	V
		16830	48.41	-25.59	74	43.6	40.32	20.45	55.96	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		5455.3	53.38	-20.62	74	42.3	31.97	10.26	31.15	100	75	P	H
		5460.37	53.41	-14.79	68.2	42.32	31.97	10.27	31.15	100	75	P	H
		5452.96	42.21	-11.79	54	31.13	31.97	10.26	31.15	100	75	A	H
	*	5720	116.54	-	-	104.97	32.31	10.52	31.26	100	75	P	H
	*	5720	105.63	-	-	94.06	32.31	10.52	31.26	100	75	A	H
		5869.5	55.43	-12.77	68.2	43.62	32.51	10.63	31.33	100	75	P	H
		5427.61	53.34	-20.66	74	42.31	31.95	10.23	31.15	107	90	P	V
		5464.66	53.45	-14.75	68.2	42.35	31.98	10.27	31.15	107	90	P	V
		5452.57	41.93	-12.07	54	30.85	31.97	10.26	31.15	107	90	A	V
	*	5720	116.46	-	-	104.89	32.31	10.52	31.26	107	90	P	V
	*	5720	105.78	-	-	94.21	32.31	10.52	31.26	107	90	A	V
		5850.75	55.18	-13.02	68.2	43.4	32.48	10.62	31.32	107	90	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	53.46	-20.54	74	58.45	40.15	16.45	61.59	100	22	P	H
		11440	44.23	-9.77	54	49.22	40.15	16.45	61.59	100	22	A	H
		17160	51.66	-16.54	68.2	45.6	41.3	20.71	55.95	100	0	P	H
													H
		11440	51.3	-22.7	74	56.29	40.15	16.45	61.59	100	333	P	V
		11440	42.09	-11.91	54	47.08	40.15	16.45	61.59	100	333	A	V
		17160	51.66	-16.54	68.2	45.6	41.3	20.71	55.95	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5405.38	53.55	-20.45	74	42.55	31.94	10.21	31.15	100	74	P	H
		5468.95	52.51	-15.69	68.2	41.4	31.98	10.28	31.15	100	74	P	H
		5452.96	41.55	-12.45	54	30.47	31.97	10.26	31.15	100	74	A	H
	*	5720	115.88	-	-	104.31	32.31	10.52	31.26	100	74	P	H
802.11n	*	5720	104.73	-	-	93.16	32.31	10.52	31.26	100	74	A	H
HT20		5893	54.8	-13.4	68.2	42.93	32.56	10.65	31.34	100	74	P	H
CH 144		5430.73	53.47	-20.53	74	42.43	31.96	10.23	31.15	106	93	P	V
5720MHz		5459.98	53.09	-20.91	74	42	31.97	10.27	31.15	106	93	P	V
		5452.57	41.54	-12.46	54	30.46	31.97	10.26	31.15	106	93	A	V
	*	5720	114.35	-	-	102.78	32.31	10.52	31.26	106	93	P	V
	*	5720	103.58	-	-	92.01	32.31	10.52	31.26	106	93	A	V
		5939	54.82	-13.38	68.2	42.88	32.63	10.68	31.37	106	93	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	65.83	-8.17	74	65.55	40.15	16.45	56.32	215	217	P	H
		11440	49.85	-4.15	54	49.57	40.15	16.45	56.32	215	217	A	H
802.11n		17160	50.2	-18	68.2	44.61	41.3	20.71	56.42	100	0	P	H
HT20													H
CH 144		11440	62.01	-11.99	74	61.73	40.15	16.45	56.32	100	357	P	V
5720MHz		11440	46.53	-7.47	54	46.25	40.15	16.45	56.32	100	357	A	V
		17160	50.11	-18.09	68.2	44.52	41.3	20.71	56.42	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5381.2	53.07	-20.93	74	42.11	31.93	10.18	31.15	100	74	P	H
		5463.1	53.24	-14.96	68.2	42.14	31.98	10.27	31.15	100	74	P	H
		5452.57	42.35	-11.65	54	31.27	31.97	10.26	31.15	100	74	A	H
	*	5710	112.72	-	-	101.18	32.29	10.51	31.26	100	74	P	H
802.11n	*	5710	102.16	-	-	90.62	32.29	10.51	31.26	100	74	A	H
HT40		5932.25	54.37	-13.83	68.2	42.44	32.6	10.68	31.35	100	74	P	H
CH 142		5433.85	53.47	-20.53	74	42.42	31.96	10.24	31.15	104	92	P	V
5710MHz		5467.39	53.08	-15.12	68.2	41.98	31.98	10.27	31.15	104	92	P	V
		5452.57	42.46	-11.54	54	31.38	31.97	10.26	31.15	104	92	A	V
	*	5710	112.43	-	-	100.89	32.29	10.51	31.26	104	92	P	V
	*	5710	101.52	-	-	89.98	32.29	10.51	31.26	104	92	A	V
		5910.5	54.8	-13.4	68.2	42.91	32.58	10.66	31.35	104	92	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	60.46	-13.54	74	60.19	40.17	16.43	56.33	211	215	P	H
		11420	48.22	-5.78	54	47.95	40.17	16.43	56.33	211	215	A	H
802.11n		17130	50.32	-17.88	68.2	44.8	41.18	20.7	56.36	100	0	P	H
HT40													H
CH 142		11420	57.76	-16.24	74	57.49	40.17	16.43	56.33	100	2	P	V
5710MHz		11420	45.88	-8.12	54	45.61	40.17	16.43	56.33	100	2	A	V
		17130	49.79	-18.41	68.2	44.27	41.18	20.7	56.36	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5389.39	53.12	-20.88	74	42.15	31.93	10.19	31.15	100	75	P	H
		5463.49	52.49	-15.71	68.2	41.39	31.98	10.27	31.15	100	75	P	H
		5452.96	42.53	-11.47	54	31.45	31.97	10.26	31.15	100	75	A	H
	*	5690	110.11	-	-	98.6	32.27	10.49	31.25	100	75	P	H
802.11ac	*	5690	99.55	-	-	88.04	32.27	10.49	31.25	100	75	A	H
VHT80		5853	54.27	-13.93	68.2	42.49	32.48	10.62	31.32	100	75	P	H
CH 138		5428.78	53.14	-20.86	74	42.1	31.96	10.23	31.15	102	87	P	V
5690MHz		5467.78	52.04	-16.16	68.2	40.94	31.98	10.27	31.15	102	87	P	V
		5452.57	42.5	-11.5	54	31.42	31.97	10.26	31.15	102	87	A	V
	*	5690	110.09	-	-	98.58	32.27	10.49	31.25	102	87	P	V
	*	5690	99.87	-	-	88.36	32.27	10.49	31.25	102	87	A	V
		5853.25	54.69	-13.51	68.2	42.91	32.48	10.62	31.32	102	87	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	59.71	-14.29	74	59.46	40.19	16.41	56.35	215	217	P	H
		11380	47.12	-6.88	54	46.87	40.19	16.41	56.35	215	217	A	H
802.11ac		17070	49.21	-18.99	68.2	43.87	40.94	20.64	56.24	100	0	P	H
VHT80													H
CH 138		11380	57.11	-16.89	74	56.86	40.19	16.41	56.35	100	2	P	V
5690MHz		11380	44.33	-9.67	54	44.08	40.19	16.41	56.35	100	2	A	V
		17070	50.22	-17.98	68.2	44.88	40.94	20.64	56.24	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

<TXBF Mode>

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5142.74	63.15	-10.85	74	52.53	31.79	9.97	31.14	110	9	P	H
		5149.5	46.61	-7.39	54	35.98	31.79	9.98	31.14	110	9	A	H
	*	5180	115.03	-	-	104.34	31.81	10.02	31.14	110	9	P	H
	*	5180	102.64	-	-	91.95	31.81	10.02	31.14	110	9	A	H
802.11ac													H
VHT20													H
CH 36		5148.2	67.58	-6.42	74	56.95	31.79	9.98	31.14	107	96	P	V
5180MHz		5150	49.07	-4.93	54	38.44	31.79	9.98	31.14	107	96	A	V
	*	5180	116.37	-	-	105.68	31.81	10.02	31.14	107	96	P	V
	*	5180	104.36	-	-	93.67	31.81	10.02	31.14	107	96	A	V
													V
													V
		5148.72	54.62	-19.38	74	43.99	31.79	9.98	31.14	100	11	P	H
		5149.76	42.42	-11.58	54	31.79	31.79	9.98	31.14	100	11	A	H
	*	5220	115.01	-	-	104.26	31.83	10.06	31.14	100	11	P	H
	*	5220	102.28	-	-	91.53	31.83	10.06	31.14	100	11	A	H
802.11ac		5419.12	53.89	-20.11	74	42.87	31.95	10.22	31.15	100	11	P	H
VHT20		5365.64	42.3	-11.7	54	31.36	31.92	10.17	31.15	100	11	A	H
CH 44		5149.76	56.18	-17.82	74	45.55	31.79	9.98	31.14	100	83	P	V
5220MHz		5150	42.78	-11.22	54	32.15	31.79	9.98	31.14	100	83	A	V
	*	5220	115.53	-	-	104.78	31.83	10.06	31.14	100	83	P	V
	*	5220	103.19	-	-	92.44	31.83	10.06	31.14	100	83	A	V
		5360.88	55.23	-18.77	74	44.29	31.92	10.17	31.15	100	83	P	V
		5453	42.77	-11.23	54	31.69	31.97	10.26	31.15	100	83	A	V

		5119.08	53.19	-20.81	74	42.62	31.77	9.94	31.14	108	11	P	H
		5147.68	41.2	-12.8	54	30.57	31.79	9.98	31.14	108	11	A	H
	*	5240	114.86	-	-	104.09	31.84	10.07	31.14	108	11	P	H
	*	5240	102.41	-	-	91.64	31.84	10.07	31.14	108	11	A	H
802.11ac		5444.88	54.47	-19.53	74	43.41	31.96	10.25	31.15	108	11	P	H
VHT20		5453	42.34	-11.66	54	31.26	31.97	10.26	31.15	108	11	A	H
CH 48		5138.84	53.49	-20.51	74	42.88	31.78	9.97	31.14	100	94	P	V
5240MHz		5147.68	41.33	-12.67	54	30.7	31.79	9.98	31.14	100	94	A	V
	*	5240	114.87	-	-	104.1	31.84	10.07	31.14	100	94	P	V
	*	5240	102.99	-	-	92.22	31.84	10.07	31.14	100	94	A	V
		5350.24	55.31	-18.69	74	44.39	31.91	10.16	31.15	100	94	P	V
		5453	42.3	-11.7	54	31.22	31.97	10.26	31.15	100	94	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	50.12	-18.08	68.2	51.62	39.86	15.6	56.96	100	0	P	H
		15540	46.75	-27.25	74	45.28	38.53	19.59	56.65	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	50.17	-18.03	68.2	51.67	39.86	15.6	56.96	100	0	P	V
5180MHz		15540	55.21	-18.79	74	53.74	38.53	19.59	56.65	100	15	P	V
		15540	40.83	-13.17	54	39.36	38.53	19.59	56.65	100	15	A	V
													V
		10440	50.11	-18.09	68.2	51.38	39.98	15.67	56.92	100	0	P	H
		15660	48.79	-25.21	74	47.37	38.29	19.64	56.51	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	50.09	-18.11	68.2	51.36	39.98	15.67	56.92	100	0	P	V
5220MHz		15660	53.72	-20.28	74	52.3	38.29	19.64	56.51	100	334	P	V
		15660	39.58	-14.42	54	38.16	38.29	19.64	56.51	100	334	A	V
													V
		10480	50.18	-18.02	68.2	51.32	40.07	15.7	56.91	100	0	P	H
		15720	53.05	-20.95	74	51.69	38.15	19.65	56.44	100	335	P	H
802.11ac		15720	38.88	-15.12	54	37.52	38.15	19.65	56.44	100	335	A	H
VHT20													H
CH 48		10480	49.68	-18.52	68.2	50.82	40.07	15.7	56.91	100	0	P	V
5240MHz		15720	55.18	-18.82	74	53.82	38.15	19.65	56.44	100	335	P	V
		15720	39.89	-14.11	54	38.53	38.15	19.65	56.44	100	335	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.5	66.65	-7.35	74	56.02	31.79	9.98	31.14	204	13	P	H
		5150	52.57	-1.43	54	41.94	31.79	9.98	31.14	204	13	A	H
	*	5190	112.04	-	-	101.34	31.81	10.03	31.14	204	13	P	H
	*	5190	97.54	-	-	86.84	31.81	10.03	31.14	204	13	A	H
802.11ac		5374.04	54.27	-19.73	74	43.32	31.92	10.18	31.15	204	13	P	H
VHT40		5354.16	41.4	-12.6	54	30.48	31.91	10.16	31.15	204	13	A	H
CH 38		5140.92	65.47	-8.53	74	54.85	31.79	9.97	31.14	109	92	P	V
5190MHz		5150	52.72	-1.28	54	42.09	31.79	9.98	31.14	109	92	A	V
	*	5190	112.45	-	-	101.75	31.81	10.03	31.14	109	92	P	V
	*	5190	98.33	-	-	87.63	31.81	10.03	31.14	109	92	A	V
		5399.8	55.22	-18.78	74	44.23	31.94	10.2	31.15	109	92	P	V
		5452.72	41.41	-12.59	54	30.33	31.97	10.26	31.15	109	92	A	V
		5150	57.12	-16.88	74	46.49	31.79	9.98	31.14	111	11	P	H
		5149.76	45.73	-8.27	54	35.1	31.79	9.98	31.14	111	11	A	H
	*	5230	112.18	-	-	101.42	31.84	10.06	31.14	111	11	P	H
	*	5230	99.14	-	-	88.38	31.84	10.06	31.14	111	11	A	H
802.11ac		5356.12	57.11	-16.89	74	46.19	31.91	10.16	31.15	111	11	P	H
VHT40		5351.08	42.99	-11.01	54	32.07	31.91	10.16	31.15	111	11	A	H
CH 46		5150	58.26	-15.74	74	47.63	31.79	9.98	31.14	100	94	P	V
5230MHz		5150	45.76	-8.24	54	35.13	31.79	9.98	31.14	100	94	A	V
	*	5230	113.35	-	-	102.59	31.84	10.06	31.14	100	94	P	V
	*	5230	99.67	-	-	88.91	31.84	10.06	31.14	100	94	A	V
		5353.32	57.48	-16.52	74	46.56	31.91	10.16	31.15	100	94	P	V
		5350.8	42.7	-11.3	54	31.78	31.91	10.16	31.15	100	94	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	49.15	-19.05	68.2	50.59	39.89	15.62	56.95	100	0	P	H
		15570	46.2	-27.8	74	44.76	38.46	19.6	56.62	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	49	-19.2	68.2	50.44	39.89	15.62	56.95	100	0	P	V
5190MHz		15570	46.41	-27.59	74	44.97	38.46	19.6	56.62	100	0	P	V
													V
													V
		10460	50.14	-18.06	68.2	51.37	40.01	15.68	56.92	100	0	P	H
		15690	47.26	-26.74	74	45.87	38.22	19.64	56.47	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	49.66	-18.54	68.2	50.89	40.01	15.68	56.92	100	0	P	V
5230MHz		15690	47.16	-26.84	74	45.77	38.22	19.64	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)
		5147.94	58.11	-15.89	74	47.48	31.79	9.98	31.14	100	17	P	H
		5149.5	46.31	-7.69	54	35.68	31.79	9.98	31.14	100	17	A	H
	*	5210	105.61	-	-	94.87	31.83	10.05	31.14	100	17	P	H
	*	5210	90.85	-	-	80.11	31.83	10.05	31.14	100	17	A	H
802.11ac		5456.64	53.91	-20.09	74	42.83	31.97	10.26	31.15	100	17	P	H
VHT80		5453	41.93	-12.07	54	30.85	31.97	10.26	31.15	100	17	A	H
CH 42		5147.94	69.47	-4.53	74	58.84	31.79	9.98	31.14	117	86	P	V
5210MHz		5149.76	52.13	-1.87	54	41.5	31.79	9.98	31.14	117	86	A	V
	*	5210	106.27	-	-	95.53	31.83	10.05	31.14	117	86	P	V
	*	5210	91.85	-	-	81.11	31.83	10.05	31.14	117	86	A	V
		5369	54.62	-19.38	74	43.67	31.92	10.18	31.15	117	86	P	V
		5350	41.74	-12.26	54	30.82	31.91	10.16	31.15	117	86	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	48.94	-19.26	68.2	50.27	39.95	15.65	56.93	100	0	P	H
		15630	47.18	-26.82	74	45.78	38.32	19.62	56.54	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	49.42	-18.78	68.2	50.75	39.95	15.65	56.93	100	0	P	V
5210MHz		15630	48.19	-25.81	74	46.79	38.32	19.62	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)
		5146.88	53.01	-20.99	74	42.38	31.79	9.98	31.14	100	74	P	H
		5149.26	40.98	-13.02	54	30.35	31.79	9.98	31.14	100	74	A	H
	*	5260	114.03	-	-	103.23	31.86	10.09	31.15	100	74	P	H
	*	5260	100.82	-	-	90.02	31.86	10.09	31.15	100	74	A	H
802.11ac		5453.28	54.2	-19.8	74	43.12	31.97	10.26	31.15	100	74	P	H
VHT20		5350.08	42.33	-11.67	54	31.41	31.91	10.16	31.15	100	74	A	H
CH 52		5020.74	53.3	-20.7	74	42.9	31.72	9.82	31.14	100	88	P	V
5260MHz		5148.92	41.44	-12.56	54	30.81	31.79	9.98	31.14	100	88	A	V
	*	5260	115.32	-	-	104.52	31.86	10.09	31.15	100	88	P	V
	*	5260	102.31	-	-	91.51	31.86	10.09	31.15	100	88	A	V
		5350.08	59.2	-14.8	74	48.28	31.91	10.16	31.15	100	88	P	V
		5350.08	42.8	-11.2	54	31.88	31.91	10.16	31.15	100	88	A	V
		5128.18	53.67	-20.33	74	43.08	31.78	9.95	31.14	102	11	P	H
		5143.48	41.13	-12.87	54	30.51	31.79	9.97	31.14	102	11	A	H
	*	5300	115.75	-	-	104.9	31.88	10.12	31.15	102	11	P	H
	*	5300	103	-	-	92.15	31.88	10.12	31.15	102	11	A	H
802.11ac		5350.08	65.24	-8.76	74	54.32	31.91	10.16	31.15	102	11	P	H
VHT20		5350.08	46.77	-7.23	54	35.85	31.91	10.16	31.15	102	11	A	H
CH 60		5126.14	53.25	-20.75	74	42.66	31.78	9.95	31.14	106	96	P	V
5300MHz		5145.18	41.13	-12.87	54	30.51	31.79	9.97	31.14	106	96	A	V
	*	5300	115.45	-	-	104.6	31.88	10.12	31.15	106	96	P	V
	*	5300	103.39	-	-	92.54	31.88	10.12	31.15	106	96	A	V
		5351.52	65.44	-8.56	74	54.52	31.91	10.16	31.15	106	96	P	V
		5351.04	46.01	-7.99	54	35.09	31.91	10.16	31.15	106	96	A	V

	*	5320	114.26	-	-	103.38	31.89	10.14	31.15	117	11	P	H
	*	5320	102.04	-	-	91.16	31.89	10.14	31.15	117	11	A	H
		5351.2	68.19	-5.81	74	57.27	31.91	10.16	31.15	117	11	P	H
		5350.08	52.02	-1.98	54	41.1	31.91	10.16	31.15	117	11	P	H
802.11ac													H
VHT20													H
CH 64	*	5320	114.68	-	-	103.8	31.89	10.14	31.15	104	94	P	V
5320MHz	*	5320	102.17	-	-	91.29	31.89	10.14	31.15	104	94	A	V
		5352.8	69.59	-4.41	74	58.67	31.91	10.16	31.15	104	94	P	V
		5350.08	52.15	-1.85	54	41.23	31.91	10.16	31.15	104	94	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (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	48.9	-25.1	74	49.94	40.11	15.73	56.88	100	0	P	H
		15780	48.39	-25.61	74	47.02	38.05	19.68	56.36	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	48.89	-25.11	74	49.93	40.11	15.73	56.88	100	0	P	V
5260MHz		15780	47.64	-26.36	74	46.27	38.05	19.68	56.36	100	0	P	V
													V
													V
		10600	50.22	-23.78	74	51.06	40.18	15.8	56.82	100	118	P	H
		10600	37.66	-16.34	54	38.5	40.18	15.8	56.82	100	118	A	H
802.11ac		15900	46.95	-27.05	74	45.63	37.81	19.73	56.22	100	0	P	H
VHT20													H
CH 60		10600	50.34	-23.66	74	51.18	40.18	15.8	56.82	100	319	P	V
5300MHz		10600	37.25	-16.75	54	38.09	40.18	15.8	56.82	100	319	A	V
		15900	47.21	-26.79	74	45.89	37.81	19.73	56.22	100	0	P	V
													V
		10640	48.96	-25.04	74	49.72	40.21	15.82	56.79	100	0	P	H
		15960	46.72	-27.28	74	45.46	37.67	19.74	56.15	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	49.77	-24.23	74	50.53	40.21	15.82	56.79	100	317	P	V
5320MHz		10640	37.51	-16.49	54	38.27	40.21	15.82	56.79	100	317	A	V
		15960	46.64	-27.36	74	45.38	37.67	19.74	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 802.11ac 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)
		5122.74	52.88	-21.12	74	42.29	31.78	9.95	31.14	110	16	P	H
		5149.94	41.11	-12.89	54	30.48	31.79	9.98	31.14	110	16	A	H
	*	5270	112.46	-	-	101.65	31.86	10.1	31.15	110	16	P	H
	*	5270	99.17	-	-	88.36	31.86	10.1	31.15	110	16	A	H
802.11ac		5353.92	60.37	-13.63	74	49.45	31.91	10.16	31.15	110	16	P	H
VHT40		5350.8	45.97	-8.03	54	35.05	31.91	10.16	31.15	110	16	A	H
CH 54		5147.9	56.3	-17.7	74	45.67	31.79	9.98	31.14	100	92	P	V
5270MHz		5148.58	41.74	-12.26	54	31.11	31.79	9.98	31.14	100	92	A	V
	*	5270	114.06	-	-	103.25	31.86	10.1	31.15	100	92	P	V
	*	5270	103.41	-	-	92.6	31.86	10.1	31.15	100	92	A	V
		5351.76	63.42	-10.58	74	52.5	31.91	10.16	31.15	100	92	P	V
		5350.56	47.86	-6.14	54	36.94	31.91	10.16	31.15	100	92	A	V
		5127.84	53.28	-20.72	74	42.69	31.78	9.95	31.14	112	17	P	H
		5145.52	40.48	-13.52	54	29.86	31.79	9.97	31.14	112	17	A	H
	*	5310	107.57	-	-	96.7	31.89	10.13	31.15	112	17	P	H
	*	5310	94.45	-	-	83.58	31.89	10.13	31.15	112	17	A	H
802.11ac		5354.64	66.96	-7.04	74	56.04	31.91	10.16	31.15	112	17	P	H
VHT40		5350.08	50.23	-3.77	54	39.31	31.91	10.16	31.15	112	17	A	H
CH 62		5134.64	53.2	-20.8	74	42.6	31.78	9.96	31.14	100	94	P	V
5310MHz		5147.22	40.47	-13.53	54	29.84	31.79	9.98	31.14	100	94	A	V
	*	5310	108.54	-	-	97.67	31.89	10.13	31.15	100	94	P	V
	*	5310	95.24	-	-	84.37	31.89	10.13	31.15	100	94	A	V
		5353.44	66.72	-7.28	74	55.8	31.91	10.16	31.15	100	94	P	V
		5350.08	51.63	-2.37	54	40.71	31.91	10.16	31.15	100	94	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	49.33	-18.87	68.2	50.32	40.13	15.75	56.87	100	0	P	H
		15810	49.86	-24.14	74	48.52	37.98	19.69	56.33	100	80	P	H
802.11ac		15810	36.5	-17.5	54	35.16	37.98	19.69	56.33	100	80	A	H
VHT40													H
CH 54		10540	49.03	-19.17	68.2	50.02	40.13	15.75	56.87	100	0	P	V
5270MHz		15810	47.78	-26.22	74	46.44	37.98	19.69	56.33	100	0	P	V
													V
													V
		10620	48.98	-25.02	74	49.78	40.2	15.8	56.8	100	0	P	H
		15930	48.47	-25.53	74	47.17	37.74	19.74	56.18	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	49.6	-24.4	74	50.4	40.2	15.8	56.8	100	57	P	V
5310MHz		10620	36.83	-17.17	54	37.63	40.2	15.8	56.8	100	57	A	V
		15930	47.62	-26.38	74	46.32	37.74	19.74	56.18	100	0	P	V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac 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)
		5122.06	52.51	-21.49	74	41.93	31.77	9.95	31.14	143	350	P	H
		5146.54	40.16	-13.84	54	29.53	31.79	9.98	31.14	143	350	A	H
	*	5290	103.73	-	-	92.9	31.87	10.11	31.15	143	350	P	H
	*	5290	89.29	-	-	78.46	31.87	10.11	31.15	143	350	A	H
802.11ac		5351.28	61.42	-12.58	74	50.5	31.91	10.16	31.15	143	350	P	H
VHT80		5350.32	50.72	-3.28	54	39.8	31.91	10.16	31.15	143	350	A	H
CH 58		5144.16	53.26	-20.74	74	42.64	31.79	9.97	31.14	100	84	P	V
5290MHz		5145.52	40.5	-13.5	54	29.88	31.79	9.97	31.14	100	84	A	V
	*	5290	104.65	-	-	93.82	31.87	10.11	31.15	100	84	P	V
	*	5290	90.2	-	-	79.37	31.87	10.11	31.15	100	84	A	V
		5356.56	68.26	-5.74	74	57.33	31.91	10.17	31.15	100	84	P	V
		5352.72	52.53	-1.47	54	41.61	31.91	10.16	31.15	100	84	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	49.28	-18.92	68.2	50.17	40.17	15.78	56.84	100	0	P	H
		15870	46.81	-27.19	74	45.52	37.84	19.71	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	49.38	-18.82	68.2	50.27	40.17	15.78	56.84	100	0	P	V
5290MHz		15870	46.45	-27.55	74	45.16	37.84	19.71	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 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)
		5470	65.2	-8.8	74	54.09	31.98	10.28	31.15	100	75	P	H
		5470	49	-5	54	37.89	31.98	10.28	31.15	100	75	A	H
	*	5500	114.03	-	-	102.87	32	10.31	31.15	100	75	P	H
	*	5500	101.18	-	-	90.02	32	10.31	31.15	100	75	A	H
802.11ac													H
VHT20													H
CH 100		5468.08	67.18	-6.82	74	56.08	31.98	10.27	31.15	109	84	P	V
5500MHz		5470	49.38	-4.62	54	38.27	31.98	10.28	31.15	109	84	A	V
	*	5500	113.19	-	-	102.03	32	10.31	31.15	109	84	P	V
	*	5500	101.6	-	-	90.44	32	10.31	31.15	109	84	A	V
													V
													V
		5444.08	53.74	-20.26	74	42.68	31.96	10.25	31.15	100	78	P	H
		5452.72	42.02	-11.98	54	30.94	31.97	10.26	31.15	100	78	A	H
	*	5580	113.04	-	-	101.74	32.1	10.4	31.2	100	78	P	H
	*	5580	100.59	-	-	89.29	32.1	10.4	31.2	100	78	A	H
802.11ac		5762.165	53.98	-20.02	74	42.35	32.36	10.55	31.28	100	78	P	H
VHT20		5759.96	42.11	-11.89	54	30.48	32.36	10.55	31.28	100	78	A	H
CH 116		5381.92	54.6	-19.4	74	43.63	31.93	10.19	31.15	135	84	P	V
5580MHz		5452.96	41.92	-12.08	54	30.84	31.97	10.26	31.15	135	84	A	V
	*	5580	113.48	-	-	102.18	32.1	10.4	31.2	135	84	P	V
	*	5580	101.25	-	-	89.95	32.1	10.4	31.2	135	84	A	V
		5730.98	54.08	-19.92	74	42.52	32.31	10.52	31.27	135	84	P	V
		5760.275	42.53	-11.47	54	30.9	32.36	10.55	31.28	135	84	A	V

	*	5700	112.5	-	-	100.98	32.27	10.5	31.25	101	84	P	H
	*	5700	100.52	-	-	89	32.27	10.5	31.25	101	84	A	H
		5725	67.36	-6.64	74	55.79	32.31	10.52	31.26	101	84	P	H
		5725	51.39	-2.61	54	39.82	32.31	10.52	31.26	101	84	A	H
802.11ac													H
VHT20													H
CH 140	*	5700	113.01	-	-	101.49	32.27	10.5	31.25	100	83	P	V
5700MHz	*	5700	101.07	-	-	89.55	32.27	10.5	31.25	100	83	A	V
		5725.16	66.67	-7.33	74	55.1	32.31	10.52	31.26	100	83	P	V
		5725	51.73	-2.27	54	40.16	32.31	10.52	31.26	100	83	A	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	56.69	-17.31	74	56.59	40.5	16.1	56.5	209	66	P	H
		11000	42.9	-11.1	54	42.8	40.5	16.1	56.5	209	66	A	H
802.11ac		16500	47.5	-26.5	74	43.42	39.6	20.18	55.7	100	0	P	H
VHT20													H
CH 100		11000	52.65	-21.35	74	52.55	40.5	16.1	56.5	203	15	P	V
5500MHz		11000	39.17	-14.83	54	39.07	40.5	16.1	56.5	203	15	A	V
		16500	47.2	-26.8	74	43.12	39.6	20.18	55.7	100	0	P	V
													V
		11160	60.15	-13.85	74	59.99	40.37	16.23	56.44	205	66	P	H
		11160	45.97	-8.03	54	45.81	40.37	16.23	56.44	205	66	A	H
802.11ac		16740	48.53	-25.47	74	43.92	40.13	20.37	55.89	100	0	P	H
VHT20													H
CH 116		11160	55.35	-18.65	74	55.19	40.37	16.23	56.44	202	75	P	V
5580MHz		11160	41.88	-12.12	54	41.72	40.37	16.23	56.44	202	75	A	V
		16740	47.65	-26.35	74	43.04	40.13	20.37	55.89	100	0	P	V
													V
		11400	60.09	-13.91	74	59.83	40.18	16.42	56.34	217	209	P	H
		11400	46.54	-7.46	54	46.28	40.18	16.42	56.34	217	209	A	H
802.11ac		17100	52.15	-21.85	74	46.72	41.06	20.67	56.3	100	0	P	H
VHT20		17100	38.46	-15.54	54	33.03	41.06	20.67	56.3	100	0	A	H
CH 140		11400	59.36	-14.64	74	59.1	40.18	16.42	56.34	100	356	P	V
5700MHz		11400	44.09	-9.91	54	43.83	40.18	16.42	56.34	100	356	A	V
		17100	53.01	-20.99	74	47.58	41.06	20.67	56.3	100	0	P	V
		17100	38.56	-15.44	54	33.13	41.06	20.67	56.3	100	0	A	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)
		5458.24	62.46	-11.54	74	51.38	31.97	10.26	31.15	107	17	P	H
		5468.08	65.83	-2.37	68.2	54.73	31.98	10.27	31.15	107	17	P	H
		5459.92	47.02	-6.98	54	35.93	31.97	10.27	31.15	107	17	A	H
	*	5510	110.1	-	-	98.94	32	10.32	31.16	107	17	P	H
802.11ac	*	5510	96.91	-	-	85.75	32	10.32	31.16	107	17	A	H
VHT40		5752.4	53.58	-14.62	68.2	41.95	32.36	10.54	31.27	107	17	P	H
CH 102		5456.8	63	-11	74	51.92	31.97	10.26	31.15	101	92	P	V
5510MHz		5469.52	66.3	-1.9	68.2	55.19	31.98	10.28	31.15	101	92	P	V
		5459.92	47.53	-6.47	54	36.44	31.97	10.27	31.15	101	92	A	V
	*	5510	110.86	-	-	99.7	32	10.32	31.16	101	92	P	V
	*	5510	97.45	-	-	86.29	32	10.32	31.16	101	92	A	V
		5744.84	54.88	-13.32	68.2	43.27	32.34	10.54	31.27	101	92	P	V
		5470	58.28	-15.72	74	47.17	31.98	10.28	31.15	100	18	P	H
		5470	44.22	-9.78	54	33.11	31.98	10.28	31.15	100	18	A	H
	*	5550	112.19	-	-	100.93	32.07	10.36	31.17	100	18	P	H
	*	5550	98.32	-	-	87.06	32.07	10.36	31.17	100	18	A	H
802.11ac		5760.275	54.17	-19.83	74	42.54	32.36	10.55	31.28	100	18	P	H
VHT40		5759.96	42.11	-11.89	54	30.48	32.36	10.55	31.28	100	18	A	H
CH 110		5463.28	60.89	-13.11	74	49.79	31.98	10.27	31.15	100	85	P	V
5550MHz		5470	44.52	-9.48	54	33.41	31.98	10.28	31.15	100	85	A	V
	*	5550	111.55	-	-	100.29	32.07	10.36	31.17	100	85	P	V
	*	5550	98.79	-	-	87.53	32.07	10.36	31.17	100	85	A	V
		5736.02	54.28	-19.72	74	42.68	32.34	10.53	31.27	100	85	P	V
		5759.96	41.89	-12.11	54	30.26	32.36	10.55	31.28	100	85	A	V

		5445.2	53.43	-20.57	74	42.37	31.96	10.25	31.15	102	19	P	H
		5452.9	41.19	-12.81	54	30.11	31.97	10.26	31.15	102	19	A	H
	*	5670	111.7	-	-	100.21	32.24	10.48	31.23	102	19	P	H
	*	5670	98.47	-	-	86.98	32.24	10.48	31.23	102	19	A	H
802.11ac		5729.65	62.03	-11.97	74	50.46	32.31	10.52	31.26	102	19	P	H
VHT40		5725.625	45.58	-8.42	54	34.01	32.31	10.52	31.26	102	19	A	H
CH 134		5447.3	53.77	-20.23	74	42.7	31.97	10.25	31.15	103	96	P	V
5670MHz		5452.9	41.18	-12.82	54	30.1	31.97	10.26	31.15	103	96	A	V
	*	5670	111.48	-	-	99.99	32.24	10.48	31.23	103	96	P	V
	*	5670	98.36	-	-	86.87	32.24	10.48	31.23	103	96	A	V
		5726.15	62.22	-11.78	74	50.65	32.31	10.52	31.26	103	96	P	V
		5725	46.15	-7.85	54	34.58	32.31	10.52	31.26	103	96	A	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	53.12	-20.88	74	53	40.49	16.12	56.49	220	178	P	H
		11020	38.37	-15.63	54	38.25	40.49	16.12	56.49	220	178	A	H
802.11ac		16530	46.49	-21.71	68.2	42.33	39.68	20.2	55.72	100	0	P	H
VHT40													H
CH 102		11020	51.77	-22.23	74	51.65	40.49	16.12	56.49	320	18	P	V
5510MHz		11020	37.49	-16.51	54	37.37	40.49	16.12	56.49	320	18	A	V
		16530	47.34	-20.86	68.2	43.18	39.68	20.2	55.72	100	0	P	V
													V
		11100	57.03	-16.97	74	56.89	40.42	16.18	56.46	235	177	P	H
		11100	42	-12	54	41.86	40.42	16.18	56.46	235	177	A	H
802.11ac		16650	47.29	-26.71	74	42.87	39.94	20.3	55.82	100	0	P	H
VHT40													H
CH 110		11100	54.59	-19.41	74	54.45	40.42	16.18	56.46	315	19	P	V
5550MHz		11100	39.72	-14.28	54	39.58	40.42	16.18	56.46	315	19	A	V
		16650	48.69	-25.31	74	44.27	39.94	20.3	55.82	100	0	P	V
													V
		11340	57.32	-16.68	74	57.07	40.23	16.38	56.36	100	18	P	H
		11340	42	-12	54	41.75	40.23	16.38	56.36	100	18	A	H
802.11ac		17010	47.74	-26.26	74	42.51	40.76	20.59	56.12	100	0	P	H
VHT40													H
CH 134		11340	55.6	-18.4	74	55.35	40.23	16.38	56.36	100	0	P	V
5670MHz		11340	42.15	-11.85	54	41.9	40.23	16.38	56.36	100	0	A	V
		17010	46.88	-27.12	74	41.65	40.76	20.59	56.12	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5454.88	64.96	-9.04	74	53.88	31.97	10.26	31.15	100	18	P	H
		5469.52	65.06	-3.14	68.2	53.95	31.98	10.28	31.15	100	18	P	H
		5458.48	51.26	-2.74	54	40.18	31.97	10.26	31.15	100	18	P	H
	*	5530	107.24	-	-	96.05	32.02	10.34	31.17	100	18	P	H
802.11ac	*	5530	93.17	-	-	81.98	32.02	10.34	31.17	100	18	A	H
VHT80		5727.515	54.09	-14.11	68.2	42.52	32.31	10.52	31.26	100	18	P	H
CH 106		5459.68	61.31	-12.69	74	50.22	31.97	10.27	31.15	105	85	P	V
5530MHz		5468.32	63.85	-4.35	68.2	52.74	31.98	10.28	31.15	105	85	P	V
		5460	51.37	-2.63	54	40.28	31.97	10.27	31.15	105	85	P	V
	*	5530	107.22	-	-	96.03	32.02	10.34	31.17	105	85	P	V
	*	5530	91.81	-	-	80.62	32.02	10.34	31.17	105	85	A	V
		5749.25	53.35	-14.85	68.2	41.74	32.34	10.54	31.27	105	85	P	V
		5469.52	58.27	-15.73	74	47.16	31.98	10.28	31.15	100	14	P	H
		5469.28	45.93	-8.07	54	34.82	31.98	10.28	31.15	100	14	A	H
	*	5610	109.61	-	-	98.25	32.14	10.43	31.21	100	14	P	H
	*	5610	93.57	-	-	82.21	32.14	10.43	31.21	100	14	A	H
802.11ac		5727.2	58.64	-15.36	74	47.07	32.31	10.52	31.26	100	14	P	H
VHT80		5725.31	47.62	-6.38	54	36.05	32.31	10.52	31.26	100	14	A	H
CH 122		5462.08	54.94	-19.06	74	43.85	31.97	10.27	31.15	100	83	P	V
5610MHz		5468.56	42.63	-11.37	54	31.52	31.98	10.28	31.15	100	83	A	V
	*	5610	108.34	-	-	96.98	32.14	10.43	31.21	100	83	P	V
	*	5610	93.88	-	-	82.52	32.14	10.43	31.21	100	83	A	V
		5727.2	57.53	-16.47	74	45.96	32.31	10.52	31.26	100	83	P	V
		5727.2	45.92	-8.08	54	34.35	32.31	10.52	31.26	100	83	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	48.3	-25.7	74	48.18	40.45	16.15	56.48	100	0	P	H
		16590	47.03	-21.17	68.2	42.76	39.79	20.25	55.77	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	48.98	-25.02	74	48.86	40.45	16.15	56.48	100	0	P	V
5530MHz		16590	46.81	-21.39	68.2	42.54	39.79	20.25	55.77	100	0	P	V
													V
													V
		11220	55.59	-18.41	74	55.39	40.33	16.28	56.41	100	18	P	H
		11220	42.44	-11.56	54	42.24	40.33	16.28	56.41	100	18	A	H
802.11ac		16830	47.61	-26.39	74	42.8	40.32	20.45	55.96	100	0	P	H
VHT80													H
CH 122		11220	55.16	-18.84	74	54.96	40.33	16.28	56.41	103	13	P	V
5610MHz		11220	40.3	-13.7	54	40.1	40.33	16.28	56.41	103	13	A	V
		16830	47.53	-26.47	74	42.72	40.32	20.45	55.96	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5437.75	54.25	-19.75	74	43.2	31.96	10.24	31.15	100	82	P	H
		5463.49	52.7	-15.5	68.2	41.6	31.98	10.27	31.15	100	82	P	H
		5452.57	41.85	-12.15	54	30.77	31.97	10.26	31.15	100	82	A	H
	*	5720	113.19	-	-	101.62	32.31	10.52	31.26	100	82	P	H
802.11ac	*	5720	100.95	-	-	89.38	32.31	10.52	31.26	100	82	A	H
VHT20		5880.5	54.48	-13.72	68.2	42.64	32.53	10.64	31.33	100	82	P	H
CH 144		5435.41	53.83	-20.17	74	42.78	31.96	10.24	31.15	112	89	P	V
5720MHz		5464.66	53.01	-15.19	68.2	41.91	31.98	10.27	31.15	112	89	P	V
		5452.57	41.7	-12.3	54	30.62	31.97	10.26	31.15	112	89	A	V
	*	5720	114.36	-	-	102.79	32.31	10.52	31.26	112	89	P	V
	*	5720	101.76	-	-	90.19	32.31	10.52	31.26	112	89	A	V
		5856.25	55.2	-13	68.2	43.39	32.51	10.62	31.32	112	89	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	57.43	-16.57	74	57.15	40.15	16.45	56.32	100	230	P	H
		11440	44.41	-9.59	54	44.13	40.15	16.45	56.32	100	230	A	H
802.11ac		17160	49.76	-18.44	68.2	44.17	41.3	20.71	56.42	100	0	P	H
VHT20													H
CH 144		11440	55.58	-18.42	74	55.3	40.15	16.45	56.32	100	356	P	V
5720MHz		11440	42.2	-11.8	54	41.92	40.15	16.45	56.32	100	356	A	V
		17160	50.44	-17.76	68.2	44.85	41.3	20.71	56.42	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac 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)
		5400.31	53.4	-20.6	74	42.41	31.94	10.2	31.15	100	19	P	H
		5469.73	52.58	-15.62	68.2	41.47	31.98	10.28	31.15	100	19	P	H
		5452.57	41.19	-12.81	54	30.11	31.97	10.26	31.15	100	19	A	H
	*	5710	111.9	-	-	100.36	32.29	10.51	31.26	100	19	P	H
802.11ac	*	5710	97.63	-	-	86.09	32.29	10.51	31.26	100	19	A	H
VHT40		5852.5	56.04	-12.16	68.2	44.26	32.48	10.62	31.32	100	19	P	H
CH 142		5367.94	53.97	-20.03	74	43.03	31.92	10.17	31.15	100	95	P	V
5710MHz		5465.83	53.09	-15.11	68.2	41.99	31.98	10.27	31.15	100	95	P	V
		5452.57	41.31	-12.69	54	30.23	31.97	10.26	31.15	100	95	A	V
	*	5710	110.35	-	-	98.81	32.29	10.51	31.26	100	95	P	V
	*	5710	97.42	-	-	85.88	32.29	10.51	31.26	100	95	A	V
		5863.5	54.85	-13.35	68.2	43.04	32.51	10.63	31.33	100	95	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	54.94	-19.06	74	54.67	40.17	16.43	56.33	100	22	P	H
		11420	40.29	-13.71	54	40.02	40.17	16.43	56.33	100	22	A	H
802.11ac		17130	49.31	-18.89	68.2	43.79	41.18	20.7	56.36	100	0	P	H
VHT40													H
CH 142		11420	53.75	-20.25	74	53.48	40.17	16.43	56.33	100	0	P	V
5710MHz		11420	39.86	-14.14	54	39.59	40.17	16.43	56.33	100	0	A	V
		17130	47.73	-20.47	68.2	42.21	41.18	20.7	56.36	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5424.49	53.95	-20.05	74	42.92	31.95	10.23	31.15	100	81	P	H
		5460.37	52.45	-15.75	68.2	41.36	31.97	10.27	31.15	100	81	P	H
		5452.96	41.1	-12.9	54	30.02	31.97	10.26	31.15	100	81	A	H
	*	5690	106.46	-	-	94.95	32.27	10.49	31.25	100	81	P	H
802.11ac	*	5690	92.51	-	-	81	32.27	10.49	31.25	100	81	A	H
VHT80		5853.25	54.07	-14.13	68.2	42.29	32.48	10.62	31.32	100	81	P	H
CH 138		5416.3	52.41	-21.59	74	41.39	31.95	10.22	31.15	106	82	P	V
5690MHz		5463.88	52.15	-16.05	68.2	41.05	31.98	10.27	31.15	106	82	P	V
		5452.57	41.1	-12.9	54	30.02	31.97	10.26	31.15	106	82	A	V
	*	5690	108.27	-	-	96.76	32.27	10.49	31.25	106	82	P	V
	*	5690	93.72	-	-	82.21	32.27	10.49	31.25	106	82	A	V
		5854	53.96	-14.24	68.2	42.15	32.51	10.62	31.32	106	82	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	51.71	-22.29	74	51.46	40.19	16.41	56.35	100	80	P	H
		11380	36.57	-17.43	54	36.32	40.19	16.41	56.35	100	80	A	H
802.11ac		17070	47.42	-20.78	68.2	42.08	40.94	20.64	56.24	100	0	P	H
VHT80													H
CH 138		11380	51.58	-22.42	74	51.33	40.19	16.41	56.35	100	0	P	V
5690MHz		11380	36.14	-17.86	54	35.89	40.19	16.41	56.35	100	0	A	V
		17070	48.18	-20.02	68.2	42.84	40.94	20.64	56.24	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average 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 D. Radiated Spurious Emission Plots

Test Engineer :	Jack Cheng, Lance Chiang, and Peter Liao	**Temperature :**	22~25°C
		Relative Humidity :	53~67%

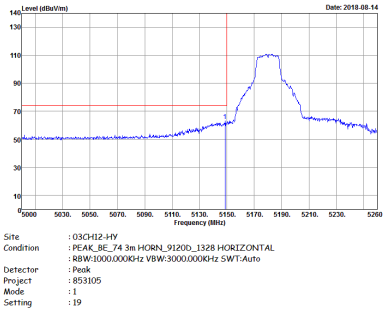
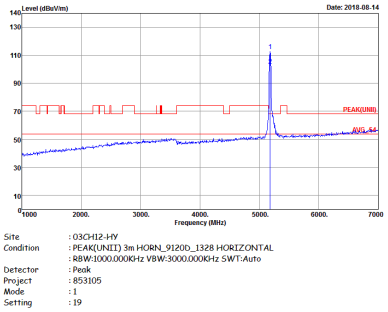
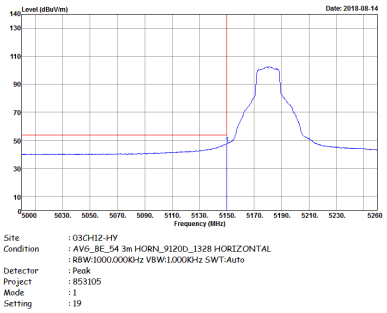
Note symbol

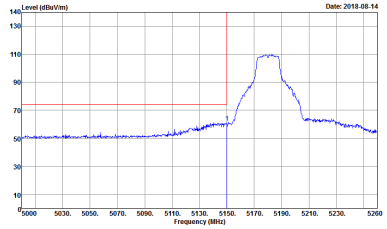
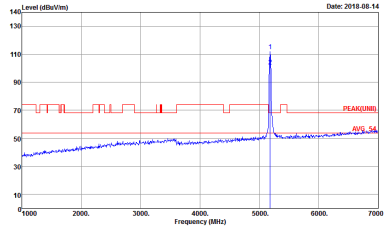
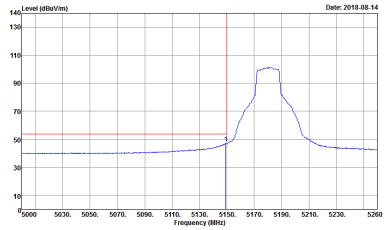
-L	**Low channel location**
-R	**High channel location**

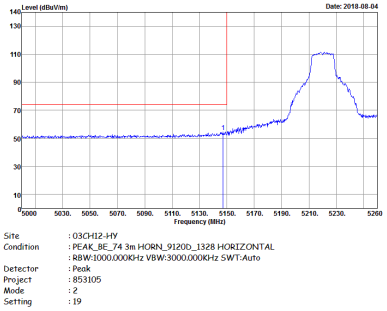
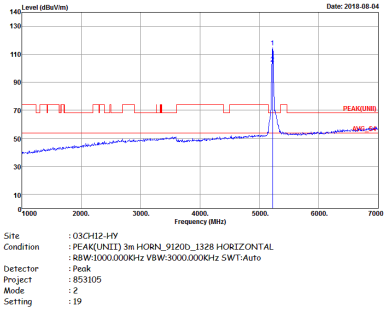
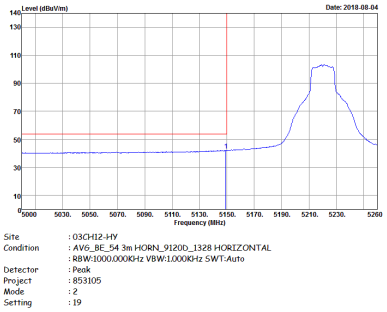
<CDD Mode>

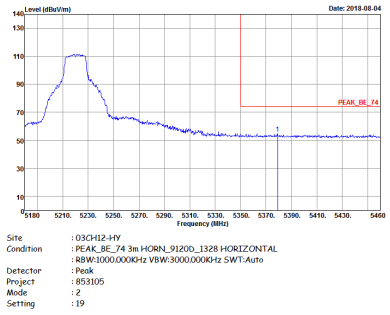
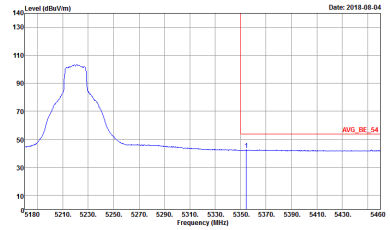
Band 1 - 5150~5250MHz

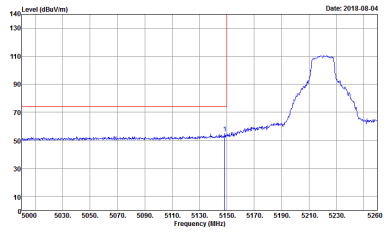
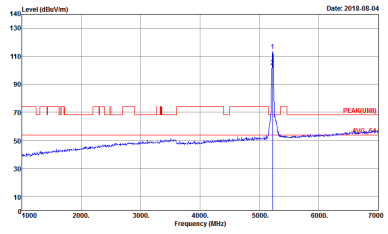
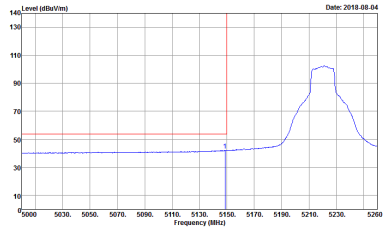
WIFI 802.11a (Band Edge @ 3m)

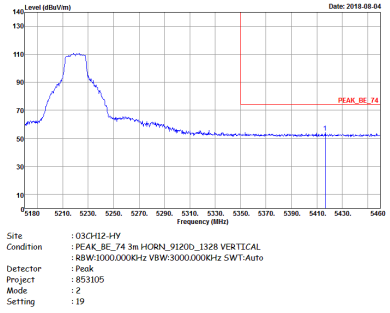
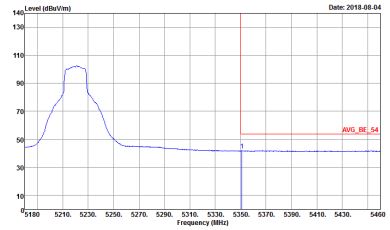
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

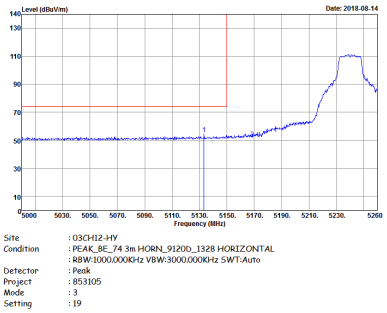
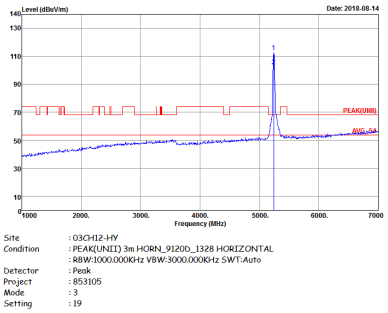
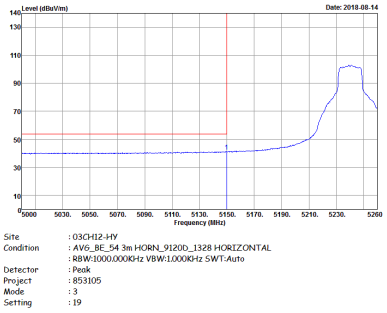
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 1 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 1 Setting : 19
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 1 Setting : 19	Left blank

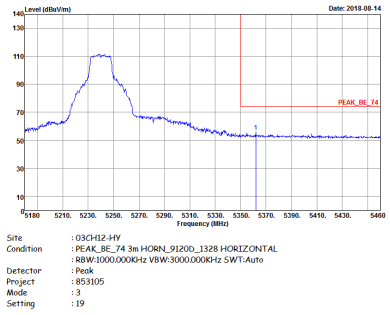
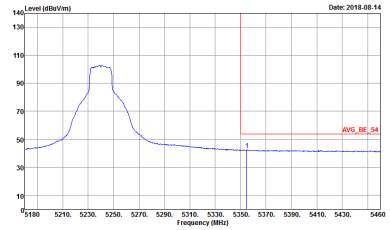
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

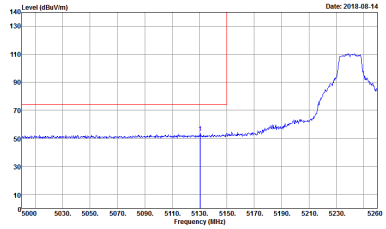
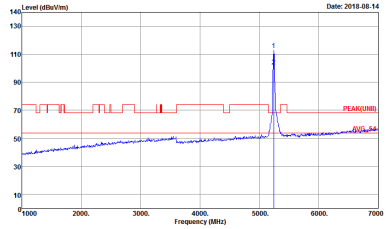
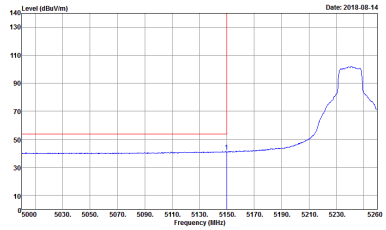
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 2 Setting : 19	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 2 Setting : 19	Left blank

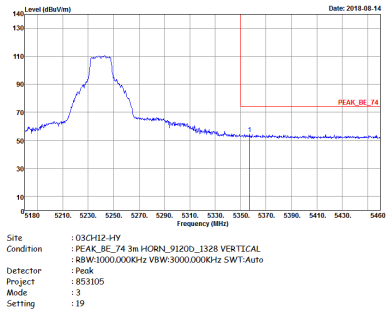
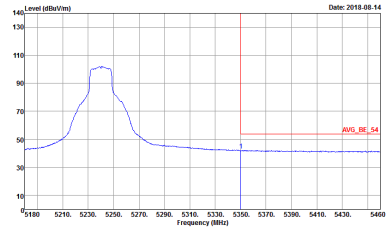
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 2 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 2 Setting : 19
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 2 Setting : 19	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 2 Setting : 19	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 2 Setting : 19	Left blank

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

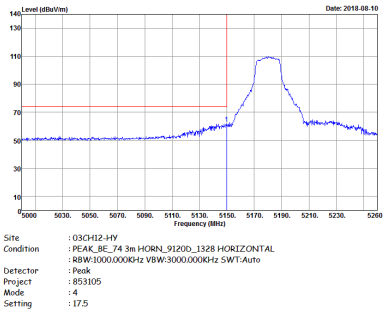
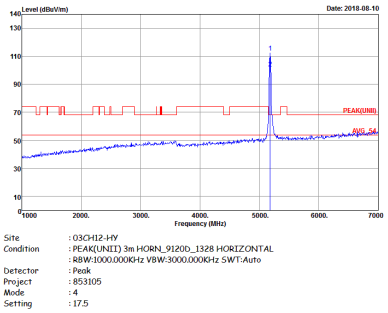
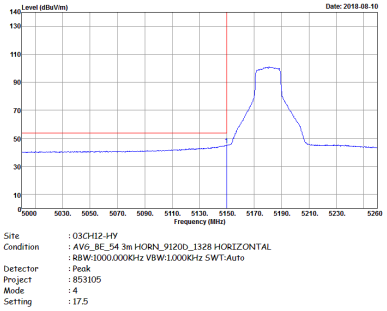
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 3 Setting : 19	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 3 Setting : 19	Left blank

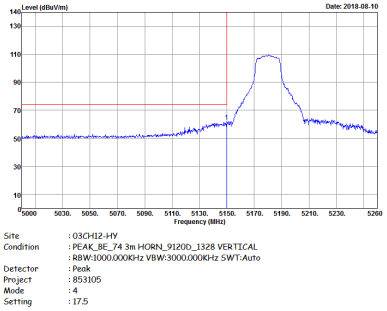
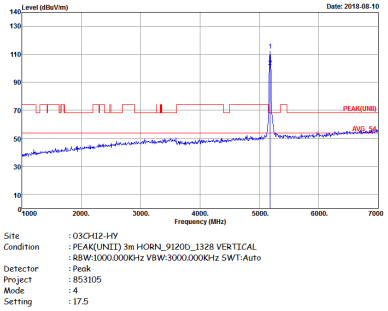
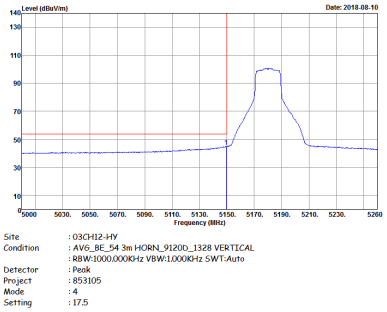
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 3 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 3 Setting : 19
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 3 Setting : 19	Left blank

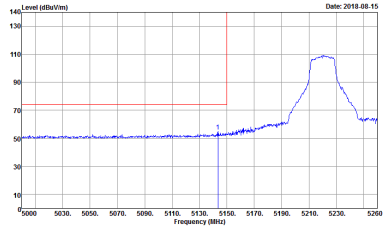
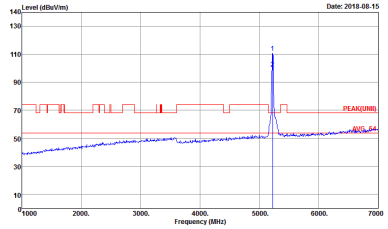
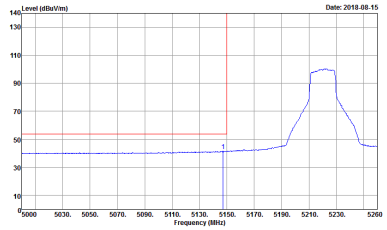
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 3 Setting : 19	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 3 Setting : 19	Left blank

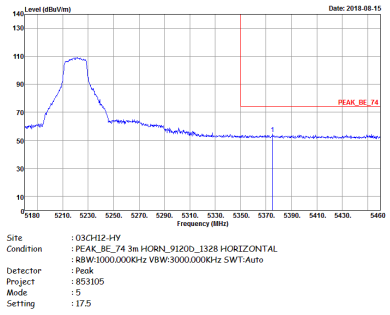
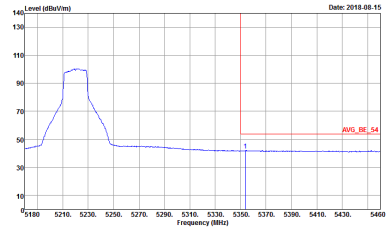
Band 1 5150~5250MHz

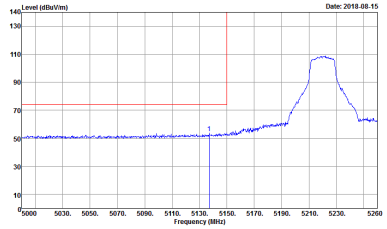
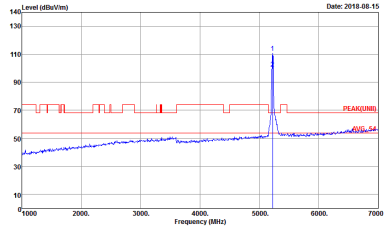
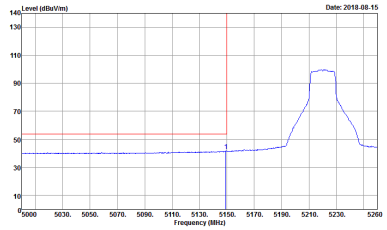
WIFI 802.11n HT20 (Band Edge @ 3m)

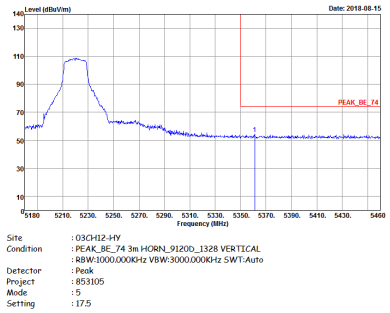
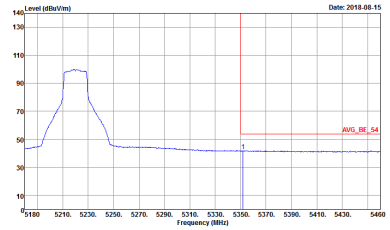
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

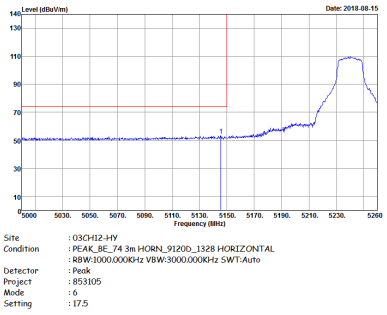
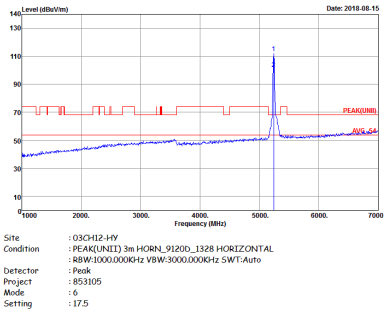
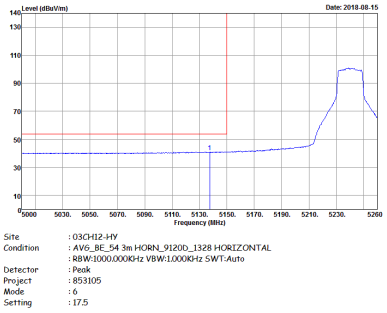
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

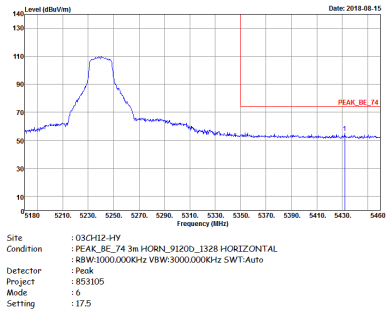
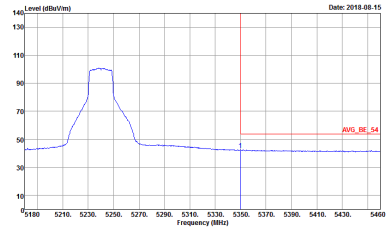
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 5 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 5 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 5 Setting : 17.5	Left blank

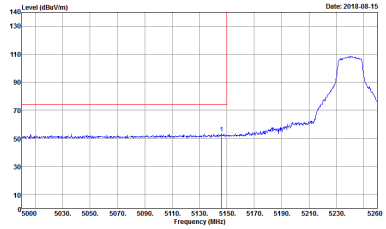
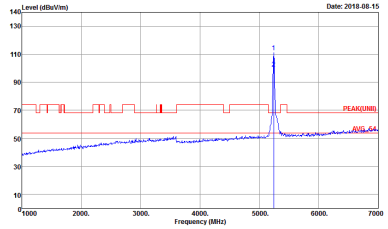
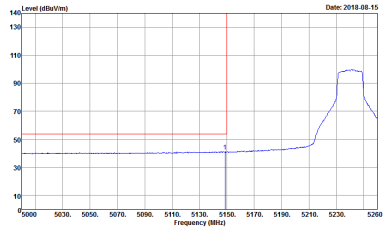
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 5 Setting : 17.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 5 Setting : 17.5	Left blank

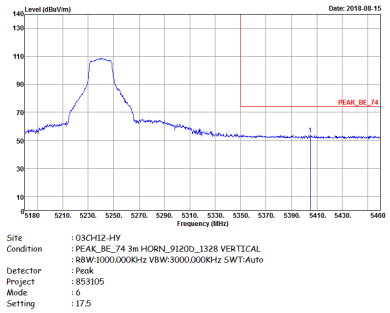
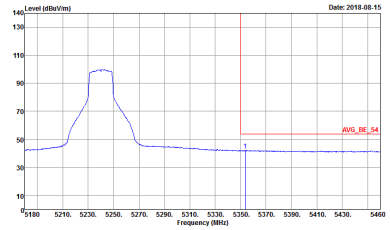
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 5 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 5 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 5 Setting : 17.5	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 5 Setting : 17.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 5 Setting : 17.5	Left blank

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

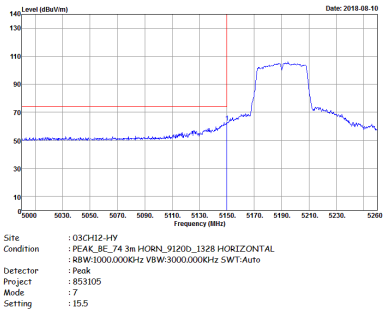
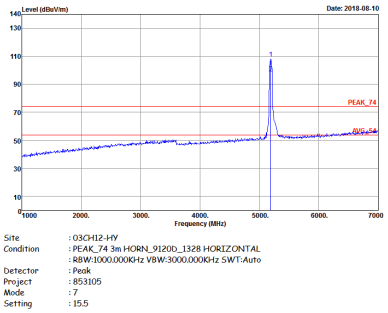
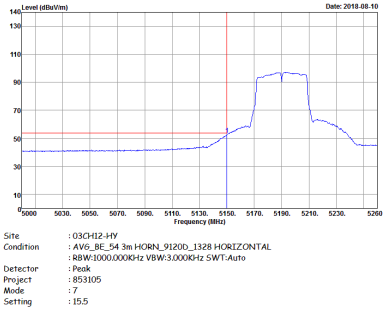
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 6 Setting : 17.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 6 Setting : 17.5	Left blank

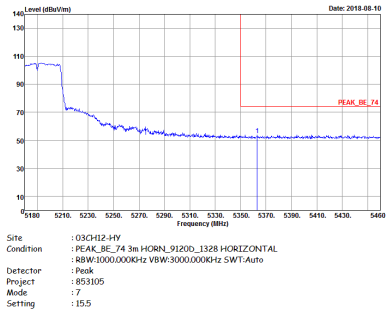
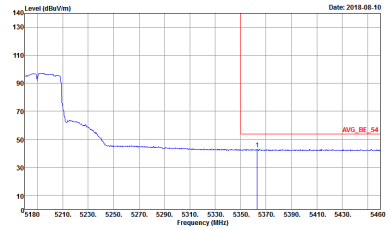
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 6 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 6 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 6 Setting : 17.5	Left blank

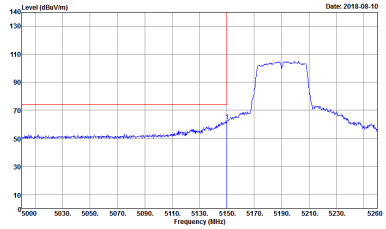
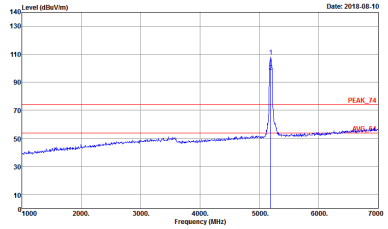
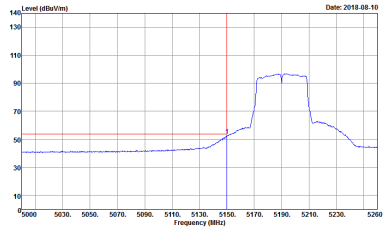
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 6 Setting : 17.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 6 Setting : 17.5	Left blank

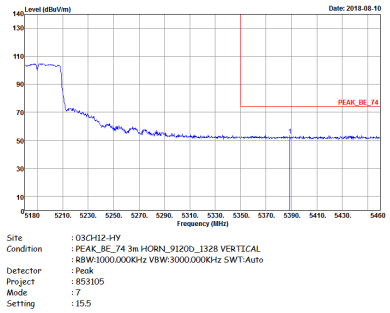
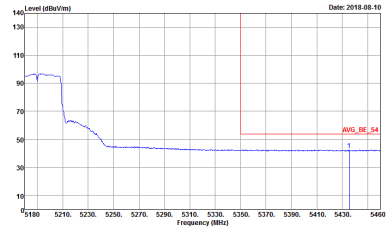
Band 1 5150~5250MHz

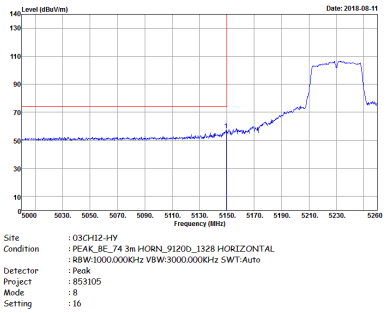
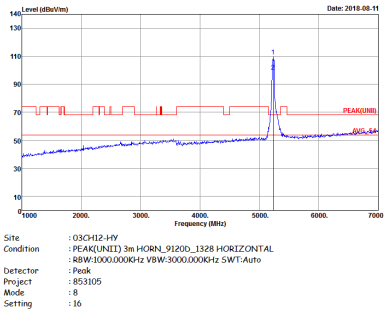
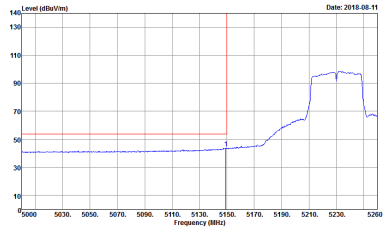
WIFI 802.11n HT40 (Band Edge @ 3m)

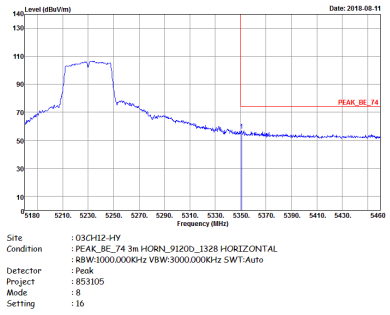
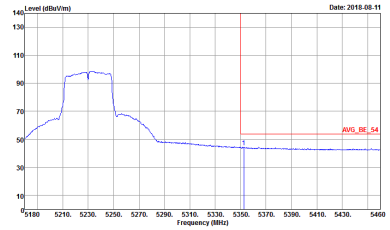
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

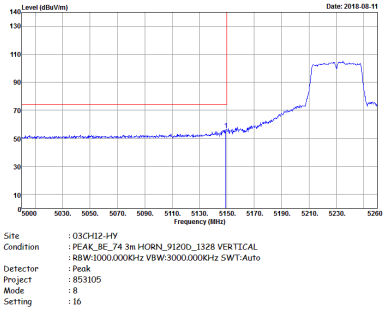
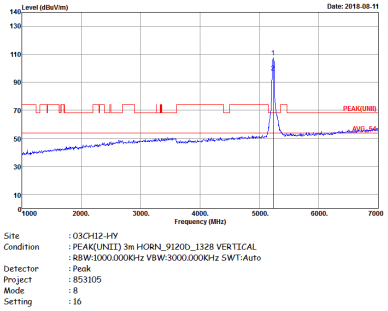
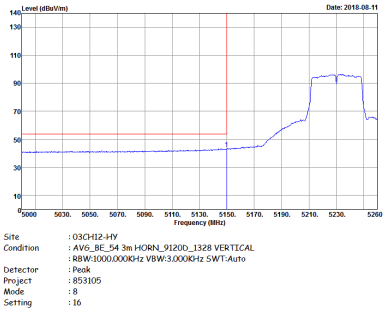
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 7 Setting : 15.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 7 Setting : 15.5	Left blank

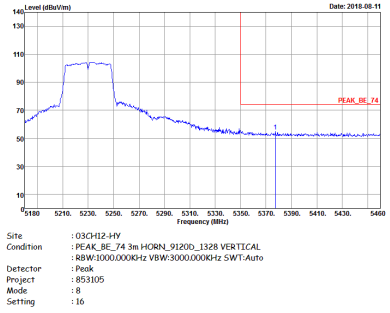
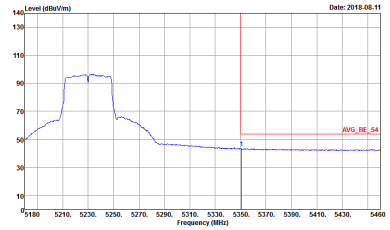
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 7 Setting : 15.5	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 7 Setting : 15.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 7 Setting : 15.5	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 7 Setting : 15.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 7 Setting : 15.5	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 8 Setting : 16	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 8 Setting : 16
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 8 Setting : 16	Left blank

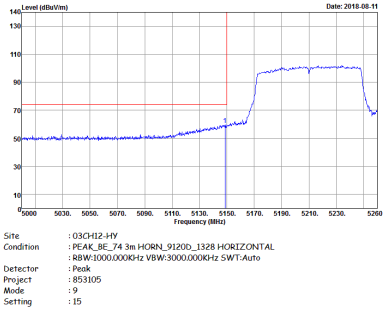
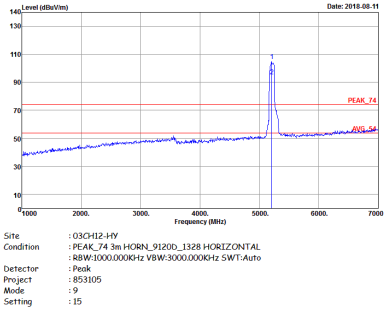
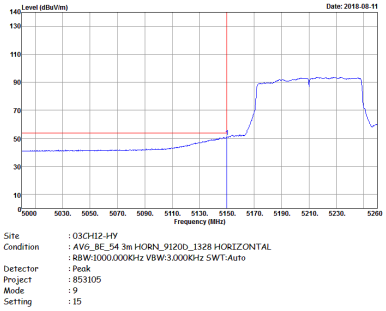
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 8 Setting : 16	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 8 Setting : 16	Left blank

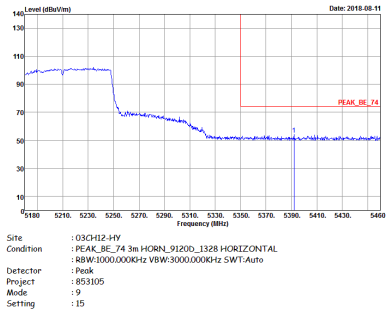
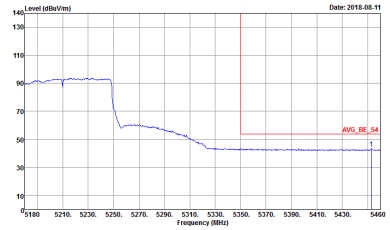
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

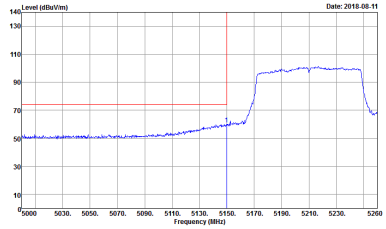
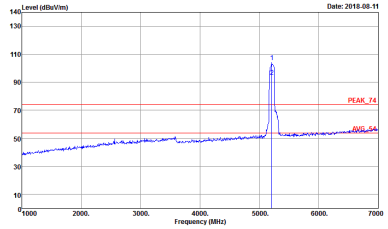
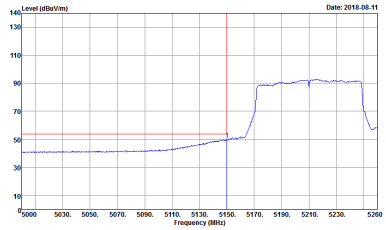
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 8 Setting : 16	Left blank
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 8 Setting : 16	Left blank

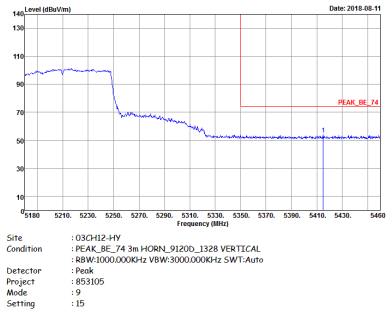
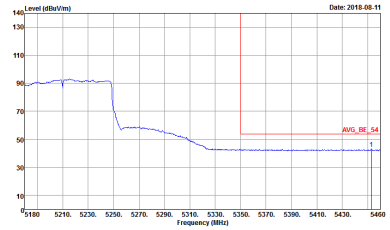
Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

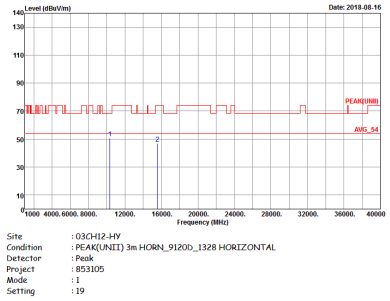
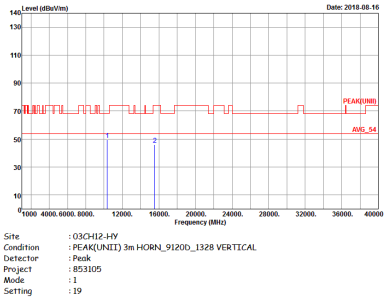
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 9 Setting : 15	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 9 Setting : 15	Left blank

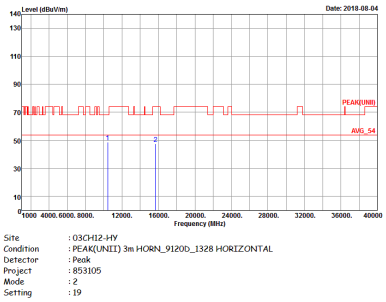
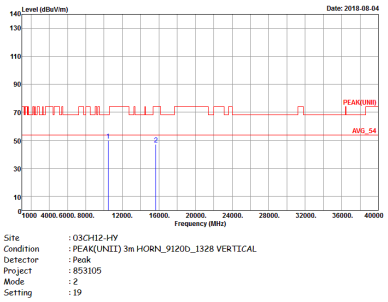
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 9 Setting : 15	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 9 Setting : 15
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 9 Setting : 15	Left blank

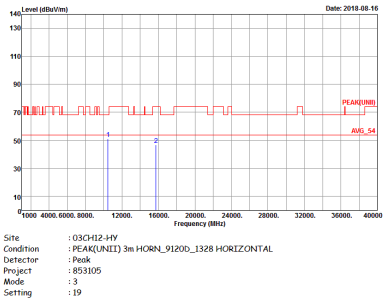
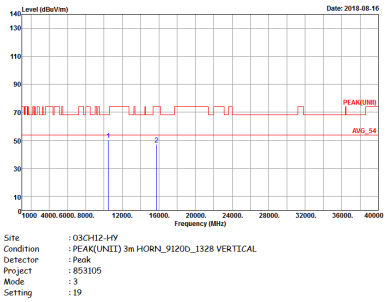
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 9 Setting : 15	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 9 Setting : 15	Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

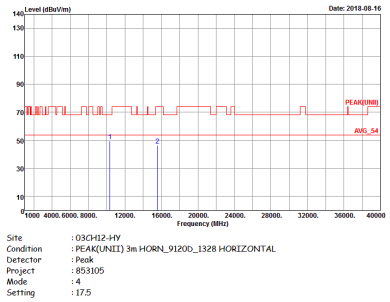
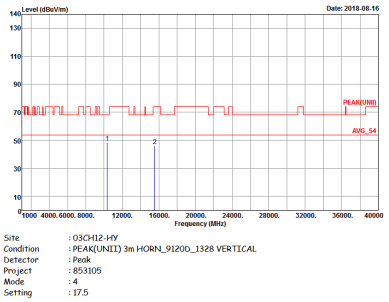
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

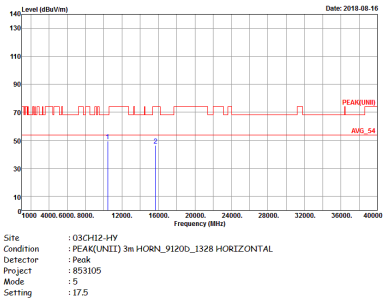
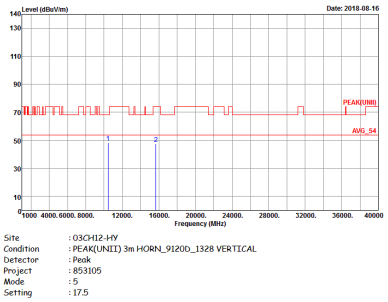
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

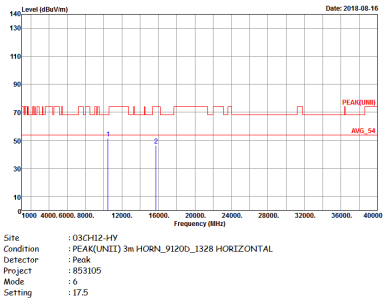
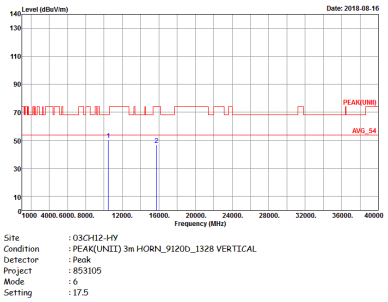
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

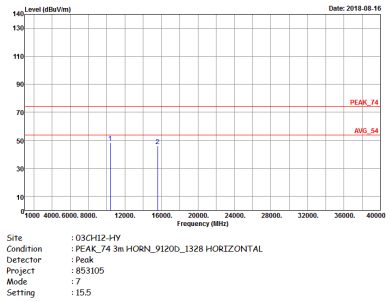
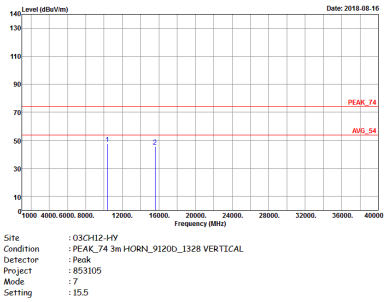
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

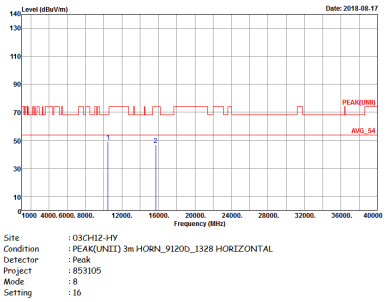
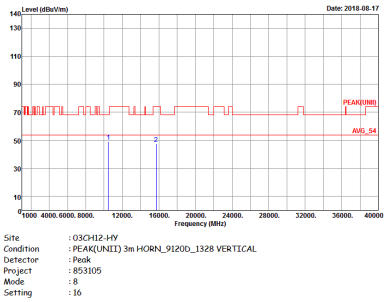
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 853105 Mode : 5 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 853105 Mode : 5 Setting : 17.5

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

Band 1 5150~5250MHz

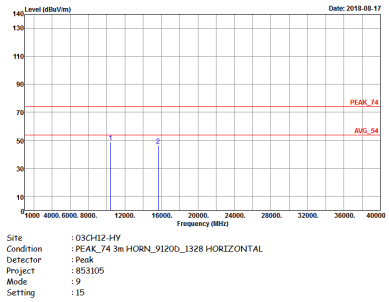
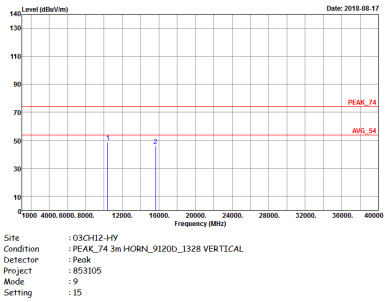
WIFI 802.11n HT40 (Harmonic @ 3m)

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

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

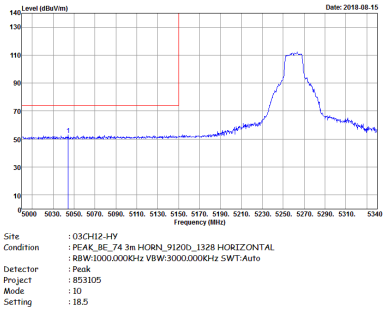
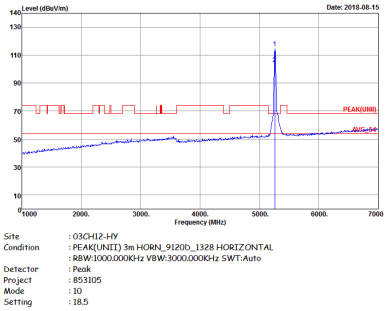
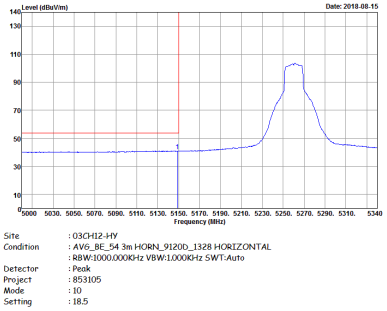
Band 1 5150~5250MHz

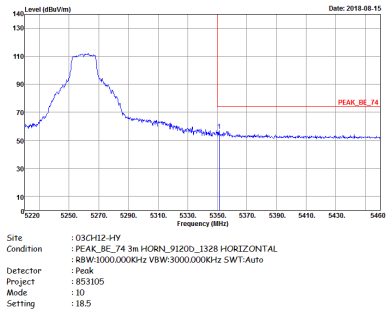
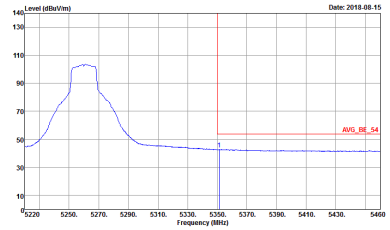
WIFI 802.11ac VHT80 (Harmonic @ 3m)

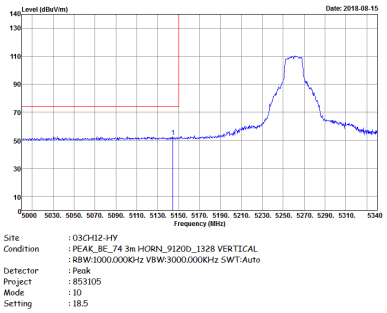
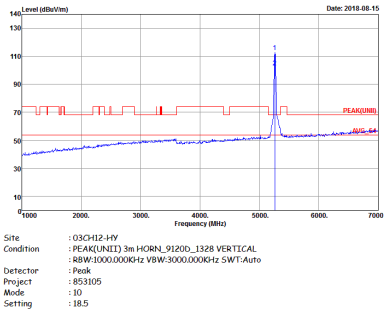
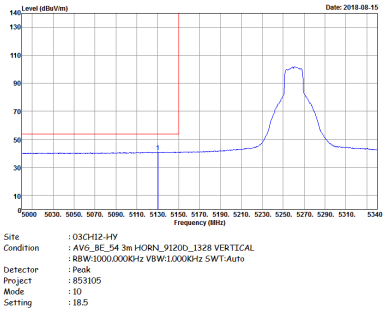
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

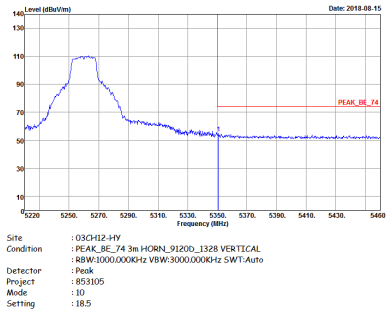
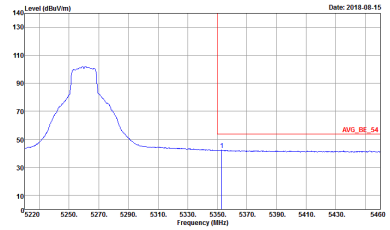
Band 2 - 5250~5350MHz

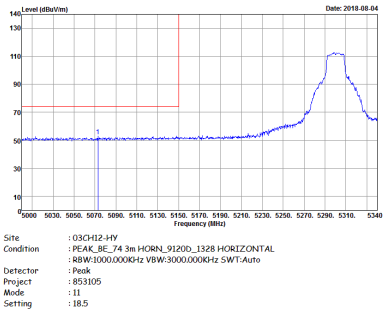
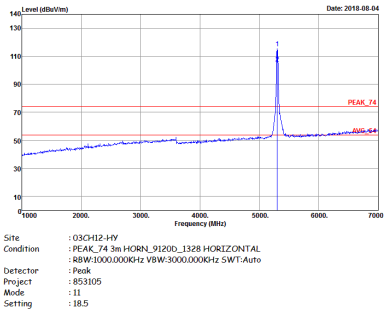
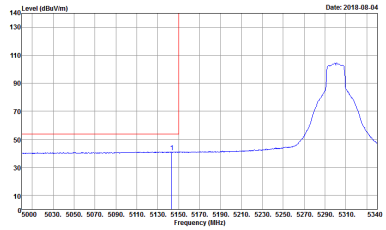
WIFI 802.11a (Band Edge @ 3m)

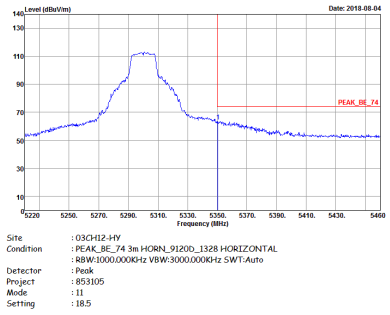
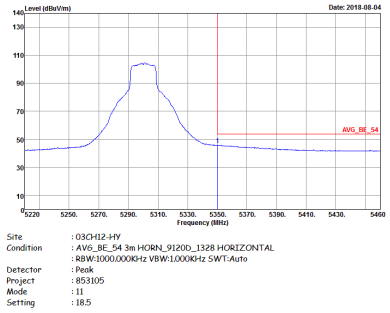
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

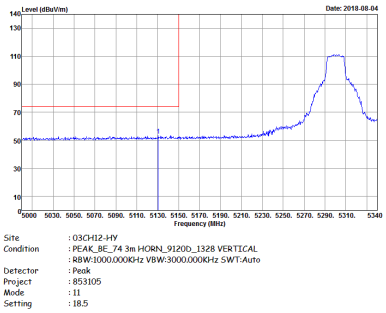
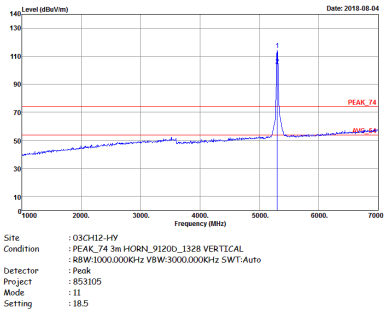
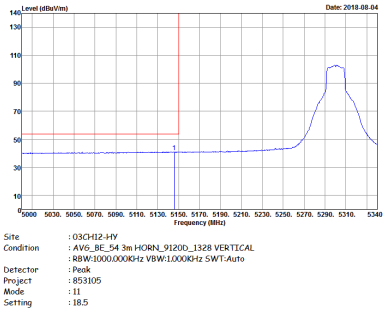
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 10 Setting : 18.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 10 Setting : 18.5	Left blank

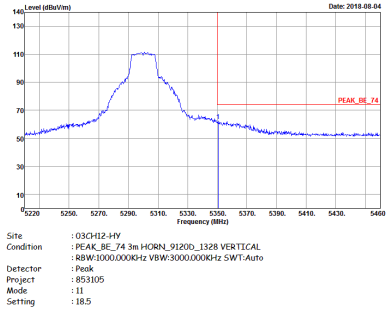
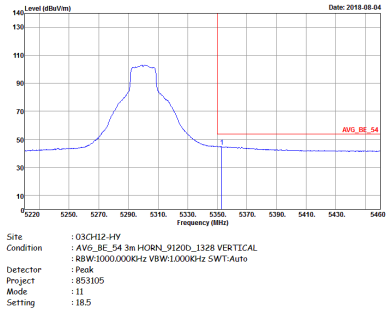
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

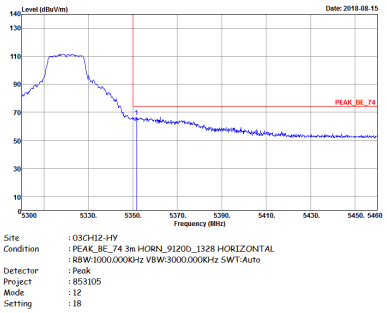
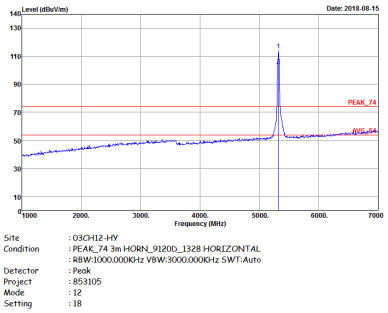
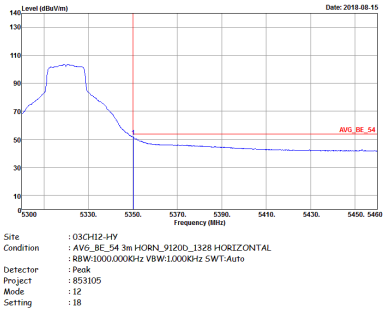
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 10 Setting : 18.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 10 Setting : 18.5	Left blank

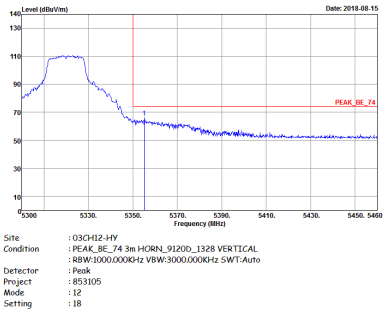
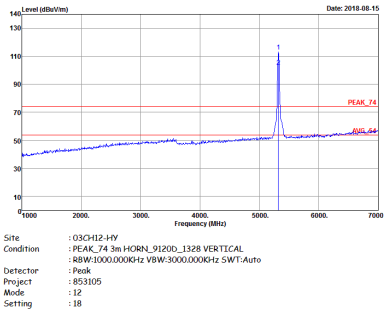
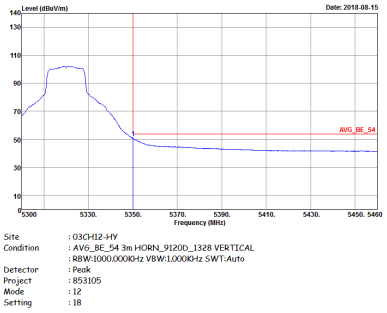
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 11 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 11 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 11 Setting : 18.5	Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 11 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 11 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 11 Setting : 18.5	Left blank

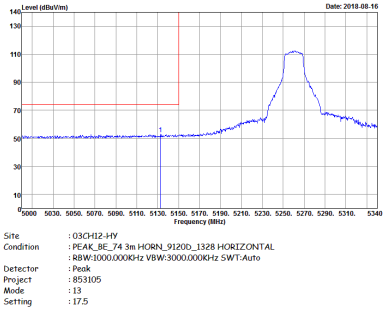
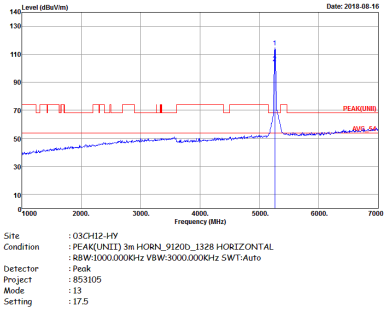
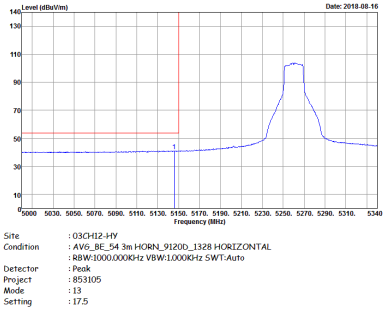
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 11 Setting : 18.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 11 Setting : 18.5	Left blank

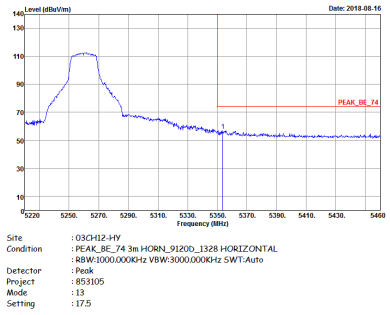
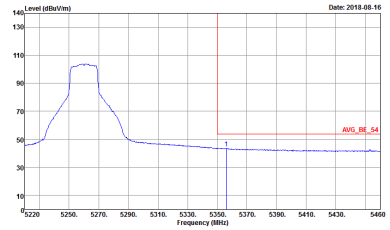
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

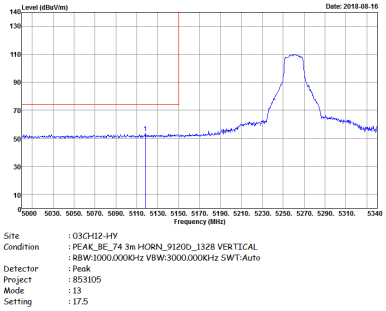
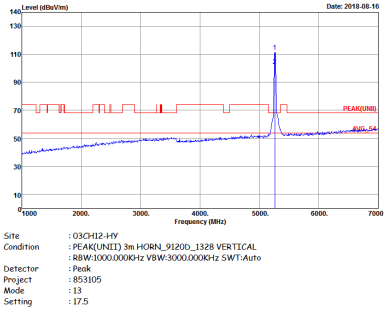
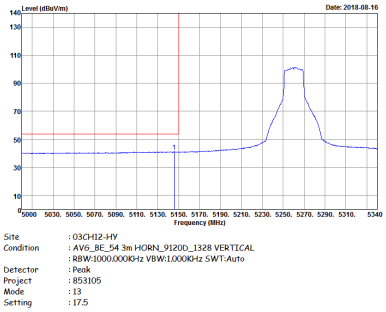
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

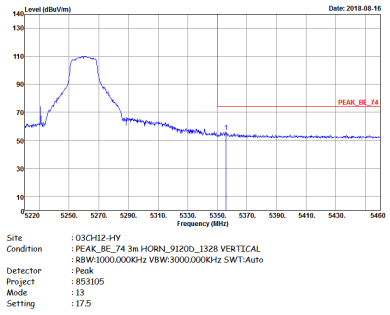
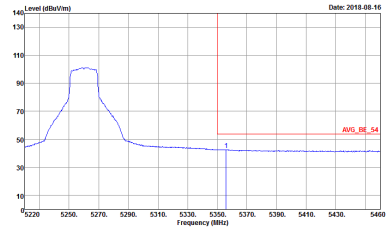
Band 2 5250~5350MHz

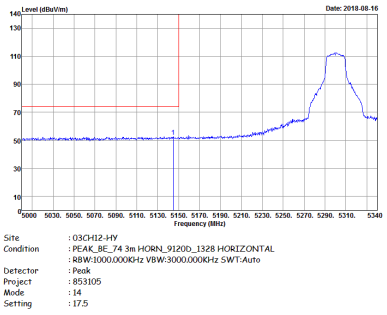
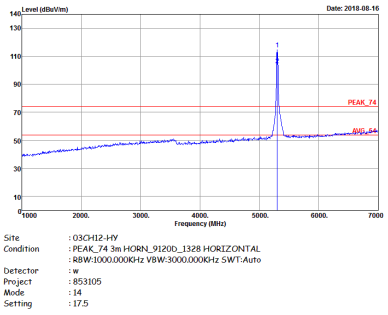
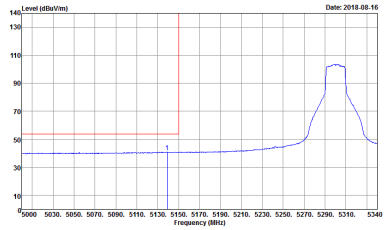
WIFI 802.11n HT20 (Band Edge @ 3m)

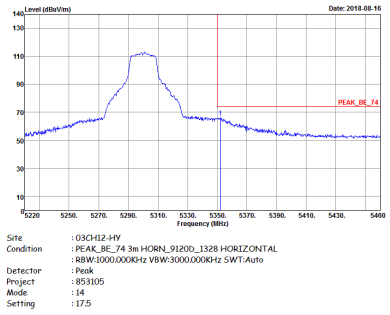
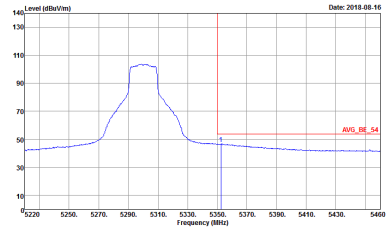
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 13 Setting : 17.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 13 Setting : 17.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 13 Setting : 17.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 13 Setting : 17.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 14 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : w Project : 853105 Mode : 14 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 14 Setting : 17.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 14 Setting : 17.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 853105 Mode : 14 Setting : 17.5	Left blank