FCC RADIO TEST REPORT

FCC ID	:	**UZ7CC600**
Equipment	:	**Customer Concierge**
Brand Name	:	**ZEBRA**
Model Name	:	**CC600**
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 Jan. 11, 2019 and testing was started from Feb. 21, 2019 and completed on Apr. 23, 2019. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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

Jones Tsai

Approved by: Jones Tsai

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

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History of this test report

Report No.	Version	Description	Issued Date
FR911110D	01	Initial issue of report	Apr. 29, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 1.08 dB at 5149.760 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 6.51 dB at 0.5685 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

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

Reviewed by: Wii Chang

Report Producer: Natasha Hsieh

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Customer Concierge
Brand Name	ZEBRA
Model Name	CC600
FCC ID	UZ7CC600
EUT supports Radios application	WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	DV
SW Version	01-15-15.00.OG-U00-PRD
FW Version	FUSION_QA_2_1.4.0.002_O
MFD	17JAN19
EUT Stage	Engineering Sample

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

Specification of Accessories				
AC Adaptor	**Brand Name**	ZEBRA	**Part Number**	PWR-BUA5V16W0WW
DC Cable	**Brand Name**	ZEBRA	**Part Number**	CBL-DC-383A1-01
AC Cable	**Brand Name**	ZEBRA	**Part Number**	50-16000-182R

Support Unit Used in Test Configuration and System				
POE	**Brand Name**	Microsemi	**Part Number**	PD-9501GR/AC

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Modes>	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>** 802.11a : 19.30 dBm / 0.0851 W 802.11n HT20 : 19.00 dBm / 0.0794 W 802.11n HT40 : 19.10 dBm / 0.0813 W 802.11ac VHT20: 18.20 dBm / 0.0661 W 802.11ac VHT40: 19.00 dBm / 0.0794 W 802.11ac VHT80: 15.20 dBm / 0.0331 W **<Ant. 2>** 802.11a : 18.90 dBm / 0.0776 W 802.11n HT20 : 18.30 dBm / 0.0676 W 802.11n HT40 : 18.30 dBm / 0.0676 W 802.11ac VHT20: 18.20 dBm / 0.0661 W 802.11ac VHT40: 18.20 dBm / 0.0661 W 802.11ac VHT80: 17.60 dBm / 0.0575 W **MIMO <Ant. 1+2>** 802.11a : 19.96 dBm / 0.0991 W 802.11n HT20 : 20.41 dBm / 0.1099 W 802.11n HT40 : 21.81 dBm / 0.1517 W 802.11ac VHT20: 20.31 dBm / 0.1074 W 802.11ac VHT40: 21.71 dBm / 0.1483 W 802.11ac VHT80: 16.17 dBm / 0.0414 W
	<5260 MHz ~ 5320 MHz> **<Ant. 1>** 802.11a : 19.10 dBm / 0.0813 W 802.11n HT20 : 19.00 dBm / 0.0794 W 802.11n HT40 : 18.90 dBm / 0.0776 W 802.11ac VHT20: 18.90 dBm / 0.0776 W 802.11ac VHT40: 18.80 dBm / 0.0759 W 802.11ac VHT80: 14.10 dBm / 0.0257 W **<Ant. 2>** 802.11a : 19.50 dBm / 0.0891 W 802.11n HT20 : 18.50 dBm / 0.0708 W 802.11n HT40 : 18.40 dBm / 0.0692 W 802.11ac VHT20: 18.40 dBm / 0.0692 W 802.11ac VHT40: 18.30 dBm / 0.0676 W 802.11ac VHT80: 16.10 dBm / 0.0407 W **MIMO <Ant. 1+2>** 802.11a : 19.96 dBm / 0.0991 W 802.11n HT20 : 20.82 dBm / 0.1208 W 802.11n HT40 : 22.27 dBm / 0.1687 W 802.11ac VHT20: 20.72 dBm / 0.1180 W 802.11ac VHT40: 22.21 dBm / 0.1663 W 802.11ac VHT80: 11.37 dBm / 0.0137 W

Standards-related Product Specification	
Maximum Output Power to Antenna <CDD Modes>	**<5500 MHz ~ 5720 MHz>** **<Ant. 1>** 802.11a : 20.20 dBm / 0.1047 W 802.11n HT20 : 20.10 dBm / 0.1023 W 802.11n HT40 : 20.60 dBm / 0.1148 W 802.11ac VHT20: 20.00 dBm / 0.1000 W 802.11ac VHT40: 20.50 dBm / 0.1122 W 802.11ac VHT80: 19.60 dBm / 0.0912 W **<Ant. 2>** 802.11a : 20.50 dBm / 0.1122 W 802.11n HT20 : 19.50 dBm / 0.0891 W 802.11n HT40 : 20.10 dBm / 0.1023 W 802.11ac VHT20: 19.40 dBm / 0.0871 W 802.11ac VHT40: 20.00 dBm / 0.1000 W 802.11ac VHT80: 19.80 dBm / 0.0955 W **MIMO <Ant. 1+2>** 802.11a : 18.66 dBm / 0.0735 W 802.11n HT20 : 18.87 dBm / 0.0771 W 802.11n HT40 : 21.76 dBm / 0.1500 W 802.11ac VHT20: 18.76 dBm / 0.0752 W 802.11ac VHT40: 21.71 dBm / 0.1483 W 802.11ac VHT80: 21.41 dBm / 0.1384 W
Maximum Output Power to Antenna <TXBF Modes>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 1+2>** 802.11ac VHT20: 18.31 dBm / 0.0678 W 802.11ac VHT40: 21.46 dBm / 0.1400 W 802.11ac VHT80: 19.63 dBm / 0.0918 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1+2>** 802.11ac VHT20: 17.82 dBm / 0.0605 W 802.11ac VHT40: 19.81 dBm / 0.0957 W 802.11ac VHT80: 18.17 dBm / 0.0656 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 1+2>** 802.11ac VHT20: 18.61 dBm / 0.0726 W 802.11ac VHT40: 20.34 dBm / 0.1081 W 802.11ac VHT80: 20.31 dBm / 0.1074 W

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>99% Occupied Bandwidth
<CDD Modes></td><td><Ant. 1>
802.11a : 16.80 MHz
802.11n HT20 : 17.95 MHz
802.11n HT40 : 36.70 MHz
802.11ac VHT80 : 76.92 MHz
<Ant. 2>
802.11a : 16.80 MHz
802.11n HT20 : 17.95 MHz
802.11n HT40 : 36.60 MHz
802.11ac VHT80 : 76.68 MHz
MIMO <Ant. 1>
802.11a : 16.85 MHz
802.11n HT20 : 18.00 MHz
802.11n HT40 : 36.80 MHz
802.11ac VHT80 : 76.92 MHz
MIMO <Ant. 2>
802.11a : 16.70 MHz
802.11n HT20 : 17.90 MHz
802.11n HT40 : 36.60 MHz
802.11ac VHT80 : 76.80 MHz</td></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Modes></td><td>MIMO <Ant. 1>
802.11n VHT20 : 17.93 MHz
802.11n VHT40 : 36.86 MHz
802.11ac VHT80 : 76.96 MHz
MIMO <Ant. 2>
802.11n VHT20 : 17.83 MHz
802.11n VHT40 : 36.56 MHz
802.11ac VHT80 : 76.72 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 1 : PIFA Antenna with gain 4.0 dBi
Ant. 2 : PIFA Antenna with gain 4.0 dBi
<5260 MHz ~ 5320 MHz>
Ant. 1 : PIFA Antenna with gain 3.5 dBi
Ant. 2 : PIFA Antenna with gain 3.2 dBi
<5500 MHz ~ 5720 MHz>
Ant. 1 : PIFA Antenna with gain 3.0 dBi
Ant. 2 : PIFA Antenna with gain 4.2 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK/QPSK/16QAM/64QAM)
802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 1</th><th>Ant. 2</th></tr>
<tr><td>802.11 a/n/ac</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 ac TXBF</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

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

1.3 Modification of EUT

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

1.4 Testing Location

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

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

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH15-HY

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

FCC designation No.: TW1190 and TW0007

1.5 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X 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 with VOIP + Bluetooth Link + VOIP + USB Data Link with Notebook (Notebook to SD Card) + POE + LAN Load with Notebook
Remark: Data Link with Notebook means data application transferred mode between EUT and Notebook.	

<CDD Mode>

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

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz 802.11n HT40	Band II：5250-5350 MHz 802.11n HT40	Band III：5470-5725MHz 802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

<TXBF Mode>

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

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

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

<CDD Mode>

<Ant. 1>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) 6M	Channel	Data Rate (bps) 9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		94.90		94.50	92.80	89.90	87.20	82.50	78.20	76.40
CH 036	5180	**19.30**	CH 036	19.10	19.00	19.10	18.80	18.80	19.00	18.90
CH 044	5220	19.20								
CH 048	5240	19.10								
CH 052	5260	19.00	CH 064	18.80	18.90	18.90	18.80	18.70	19.00	18.90
CH 060	5300	19.00								
CH 064	5320	**19.10**								
CH 100	5500	19.80	CH 144	20.10	20.00	20.00	19.90	19.80	19.90	20.00
CH 116	5580	20.10								
CH 140	5700	19.60								
*CH 144	5720	**20.20**								

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

802.11n HT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		94.33		92.30	89.40	86.70	81.90	77.90	76.20	74.70
CH 036	5180	18.80	CH 048	18.90	18.70	18.80	18.60	18.70	18.80	18.70
CH 044	5220	18.90								
CH 048	5240	**19.00**								
CH 052	5260	18.80	CH 064	18.80	18.70	18.80	18.70	18.60	18.50	18.70
CH 060	5300	18.90								
CH 064	5320	**19.00**								
CH 100	5500	19.70	CH 116	20.00	20.00	19.80	19.60	19.70	19.70	19.60
CH 116	5580	**20.10**								
CH 140	5700	17.70								
*CH 144	5720	19.60								

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

802.11n HT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		92.20		86.10	81.20	77.20	70.80	66.10	64.60	62.60
CH 038	5190	15.30	CH 046	18.90	19.00	18.90	18.80	18.70	18.80	18.70
CH 046	5230	**19.10**								
CH 054	5270	**18.90**	CH 054	18.70	18.60	18.70	18.50	18.60	18.50	18.40
CH 062	5310	15.40								
CH 102	5510	19.00	CH 110	20.4	20.3	20.2	20.3	20.2	20.2	20.1
CH 110	5550	**20.60**								
CH 134	5670	20.30								
*CH 142	5710	20.30								

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

802.11ac VHT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)		94.88		92.40	89.40	86.80	82.10	78.40	76.50	75.20	72.40
CH 036	5180	18.10	CH 048	18.00	18.10	17.90	18.00	17.90	17.80	17.90	17.80
CH 044	5220	18.10									
CH 048	5240	**18.20**									
CH 052	5260	18.70	CH 064	18.70	18.70	18.80	18.60	18.60	18.50	18.50	18.60
CH 060	5300	18.80									
CH 064	5320	**18.90**									
CH 100	5500	19.60	CH 116	19.90	19.80	19.90	19.80	19.70	19.70	19.60	19.70
CH 116	5580	**20.00**									
CH 140	5700	17.60									
*CH 144	5720	19.50									

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

802.11ac VHT40 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		91.79		86.20	81.40	77.40	71.10	66.90	65.10	63.10	60.30	59.60
CH 038	5190	15.20	CH 046	18.8	18.9	18.8	18.7	18.8	18.6	18.6	18.7	18.5
CH 046	5230	**19.00**										
CH 054	5270	**18.80**	CH 054	18.6	18.6	18.5	18.4	18.3	18.4	18.3	18.5	18.4
CH 062	5310	15.30										
CH 102	5510	18.90	CH 110	20.4	20.3	20.3	20.2	20.1	20.3	20.2	20.1	20.1
CH 110	5550	**20.50**										
CH 134	5670	20.20										
*CH 142	5710	20.20										

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

802.11ac VHT80 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		85.19		76.20	70.30	65.80	59.40	55.60	53.50	52.40	49.90	48.60
CH 042	5210	**15.20**	CH 042	15.10	15.10	15.00	14.90	14.90	15.00	14.80	14.80	14.70
CH 058	5290	**14.10**	CH 058	14.00	13.90	13.90	13.80	13.70	13.80	13.70	13.60	13.70
CH 106	5530	18.40	CH 122	19.50	19.40	19.50	19.30	19.40	19.20	19.20	19.10	19.10
CH 122	5610	**19.60**										
*CH 138	5690	19.50										

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

<Ant. 2>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps) 6M	Channel	Data Rate (bps) 9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		95.15		94.50	92.80	89.90	87.20	82.50	78.20	76.40
CH 036	5180	18.80	CH 048	18.80	18.70	18.70	18.70	18.60	18.50	18.60
CH 044	5220	18.80								
CH 048	5240	**18.90**								
CH 052	5260	18.50	CH 064	19.30	19.20	19.10	19.30	19.20	19.00	19.20
CH 060	5300	18.40								
CH 064	5320	**19.50**								
CH 100	5500	20.10	CH 140	20.30	20.40	20.20	20.20	20.30	20.30	20.10
CH 116	5580	20.00								
CH 140	5700	**20.50**								
*CH 144	5720	20.00								

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

802.11n HT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		94.57		92.40	89.50	86.70	81.90	77.90	76.40	74.80
CH 036	5180	18.20	CH 048	18.10	18.00	17.90	17.80	18.00	18.00	17.90
CH 044	5220	18.20								
CH 048	5240	**18.30**								
CH 052	5260	**18.50**	CH 052	18.40	18.30	18.20	18.10	18.20	18.00	17.90
CH 060	5300	18.20								
CH 064	5320	18.30								
CH 100	5500	**19.50**	CH 100	19.30	19.40	19.20	19.30	19.20	19.10	19.30
CH 116	5580	19.40								
CH 140	5700	19.40								
*CH 144	5720	19.40								

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

802.11n HT40 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)		91.83		86.10	81.20	77.20	70.80	66.10	64.60	62.60
CH 038	5190	17.80	CH 046	18.10	18.00	18.00	17.90	17.80	17.80	18.00
CH 046	5230	**18.30**								
CH 054	5270	**18.40**	CH 054	18.20	18.10	18.00	18.20	18.10	17.90	17.90
CH 062	5310	17.80								
CH 102	5510	19.10	CH 110	19.7	19.6	19.6	19.5	19.7	19.6	19.6
CH 110	5550	**20.10**								
CH 134	5670	20.00								
*CH 142	5710	19.50								

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

802.11ac VHT20 RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)		95.30		92.40	89.40	86.80	82.10	78.40	76.50	75.20	72.30
CH 036	5180	18.10	CH 048	18.10	18.00	18.00	17.90	17.80	17.80	17.90	17.70
CH 044	5220	18.10									
CH 048	5240	**18.20**									
CH 052	5260	**18.40**	CH 052	18.20	18.30	18.10	18.00	18.10	17.90	18.00	17.90
CH 060	5300	18.10									
CH 064	5320	18.20									
CH 100	5500	**19.40**	CH 100	19.30	19.20	19.30	19.20	19.20	19.10	19.00	19.00
CH 116	5580	19.30									
CH 140	5700	19.30									
*CH 144	5720	19.30									

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

802.11ac VHT40 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		91.83		86.20	81.40	77.40	71.10	66.90	65.10	63.10	60.30	59.60
CH 038	5190	17.70	CH 046	18.1	18	17.9	17.9	17.8	18	17.9	17.8	17.7
CH 046	5230	**18.20**										
CH 054	5270	**18.30**	CH 054	18.2	18.1	18	17.9	18	17.9	17.8	17.8	17.7
CH 062	5310	17.70										
CH 102	5510	19.00	CH 110	19.9	19.8	19.8	19.7	19.8	19.6	19.5	19.6	19.6
CH 110	5550	**20.00**										
CH 134	5670	19.90										
*CH 142	5710	19.40										

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

802.11ac VHT80 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)		85.32		76.20	70.30	65.80	59.40	55.60	53.50	52.40	49.90	48.60
CH 042	5210	**17.60**	CH 042	17.50	17.50	17.40	17.30	17.40	17.20	17.10	17.20	17.30
CH 058	5290	**16.10**	CH 058	16.00	15.90	15.90	15.80	15.90	15.70	15.80	15.60	15.80
CH 106	5530	18.40	CH 122	19.70	19.60	19.70	19.50	19.40	19.50	19.30	19.40	19.20
CH 122	5610	**19.80**										
*CH 138	5690	18.90										

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

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802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)											
CH 036	5180	19.87	CH 048	19.76	19.86	19.76	19.66	19.76	19.76	19.71
CH 044	5220	19.91								
CH 048	5240	**19.96**								
CH 052	5260	**19.96**	CH 052	19.76	19.86	19.81	19.66	19.61	19.67	19.61
CH 060	5300	19.87								
CH 064	5320	19.91								
CH 100	5500	18.31	CH 116	18.56	18.46	18.46	18.31	18.36	18.26	18.21
CH 116	5580	**18.66**								
CH 140	5700	18.51								
*CH 144	5720	18.46								

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

802.11n HT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)											
CH 036	5180	20.31	CH 044	20.26	20.21	20.11	20.16	20.01	20.01	20.01
CH 044	5220	**20.41**								
CH 048	5240	20.36								
CH 052	5260	**20.82**	CH 052	20.67	20.62	20.57	20.47	20.48	20.42	20.37
CH 060	5300	20.27								
CH 064	5320	20.41								
CH 100	5500	18.56	CH 140	18.77	18.62	18.57	18.51	18.43	18.33	18.42
CH 116	5580	18.36								
CH 140	5700	**18.87**								
*CH 144	5720	18.81								

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

802.11n HT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Duty Cycle (%)										
CH 038	5190	18.27	CH 046	21.66	21.71	21.61	21.51	21.56	21.41	21.41
CH 046	5230	**21.81**								
CH 054	5270	**22.27**	CH 054	22.07	22.02	21.97	21.87	21.82	21.77	21.83
CH 062	5310	16.82								
CH 102	5510	19.91	CH 110	21.61	21.51	21.56	21.41	21.41	21.41	21.11
CH 110	5550	**21.76**								
CH 134	5670	21.61								
*CH 142	5710	21.56								

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

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)											
CH 036	5180	20.21	CH 044	20.16	20.16	20.01	20.01	20.01	19.86	19.91	19.96
CH 044	5220	**20.31**									
CH 048	5240	20.26									
CH 052	5260	**20.72**	CH 052	20.62	20.52	20.53	20.42	20.37	20.41	20.37	20.37
CH 060	5300	20.17									
CH 064	5320	20.31									
CH 100	5500	18.51	CH 140	18.61	18.51	18.57	18.47	18.46	18.41	18.51	18.36
CH 116	5580	18.31									
CH 140	5700	**18.76**									
*CH 144	5720	18.71									

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

802.11ac VHT40 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)												
CH 038	5190	18.21	CH 046	21.56	21.46	21.56	21.36	21.31	21.26	21.31	21.26	21.21
CH 046	5230	**21.71**										
CH 054	5270	**22.21**	CH 054	22.11	22.07	21.97	21.97	21.87	21.91	21.92	21.77	21.76
CH 062	5310	16.72										
CH 102	5510	19.81	CH 110	21.61	21.51	21.46	21.46	21.41	21.31	21.31	21.26	21.16
CH 110	5550	**21.71**										
CH 134	5670	21.56										
*CH 142	5710	21.51										

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

802.11ac VHT80 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)												
CH 042	5210	**16.17**	CH 042	16.07	15.97	15.91	15.87	15.81	15.81	15.81	15.66	15.76
CH 058	5290	**11.37**	CH 058	11.27	11.22	11.12	11.13	11.13	11.12	10.97	11.03	10.98
CH 106	5530	17.71	CH 138	21.31	21.26	21.21	21.11	21.16	21.06	21.06	21.11	21.01
CH 122	5610	21.36										
*CH 138	5690	**21.41**										

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

<TXBF Mode>

MIMO <Ant. 1+2>

802.11ac VHT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Duty Cycle (%)											
CH 036	5180	18.16	CH 044	18.21	18.07	18.06	17.76	17.81	17.86	17.86	17.81
CH 044	5220	**18.31**									
CH 048	5240	15.16									
CH 052	5260	**17.82**	CH 052	17.63	17.81	17.81	17.81	17.77	17.81	17.81	17.81
CH 060	5300	17.72									
CH 064	5320	17.77									
CH 100	5500	17.86	CH 140	18.37	18.56	18.56	18.46	18.51	18.56	18.56	18.51
CH 116	5580	17.56									
CH 140	5700	**18.61**									
*CH 144	5720	18.56									

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

802.11ac VHT40 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index							
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Duty Cycle (%)											
CH 038	5190	20.21	CH 046	21.36	21.26	21.31	21.26	21.31	21.16	21.26	21.26	21.31
CH 046	5230	**21.46**									
CH 054	5270	**19.81**	CH 054	19.77	19.77	19.77	19.77	19.77	19.77	19.76	19.77	19.77
CH 062	5310	19.42									
CH 102	5510	**20.34**	CH 102	20.31	20.31	20.31	20.26	20.26	20.31	20.31	20.31	20.26
CH 110	5550	20.31									
CH 134	5670	20.21									
*CH 142	5710	20.11									

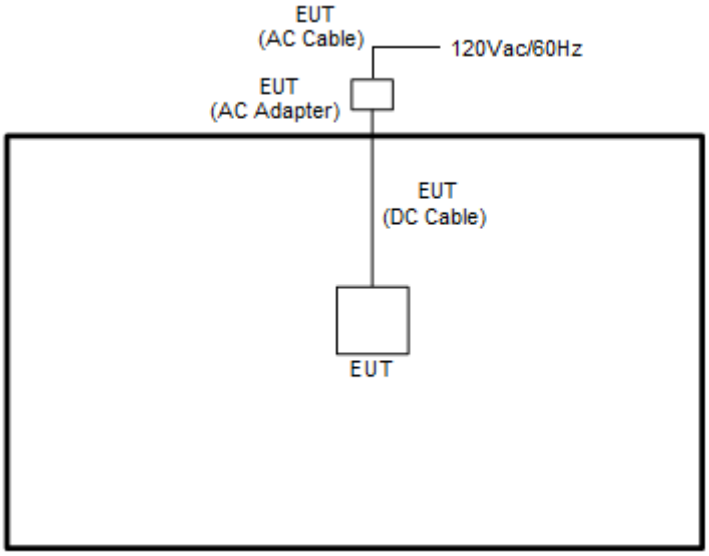
Note: The above Frequency and Channel in "*" were straddle Channel.

802.11ac VHT80 RF Output Power (dBm)												
Power vs. Channel			Power vs Data Rate									
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index								
Duty Cycle (%)		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 042	5210	**19.63**	CH 042	19.31	19.37	19.37	19.37	19.31	19.31	19.31	19.41	19.36
CH 058	5290	**18.17**	CH 058	18.12	18.12	18.12	18.12	18.12	18.12	18.12	18.12	18.07
CH 106	5530	20.26	CH 122	20.26	20.26	20.26	20.26	20.26	20.26	20.26	20.26	20.16
CH 122	5610	**20.31**										
*CH 138	5690	18.51										

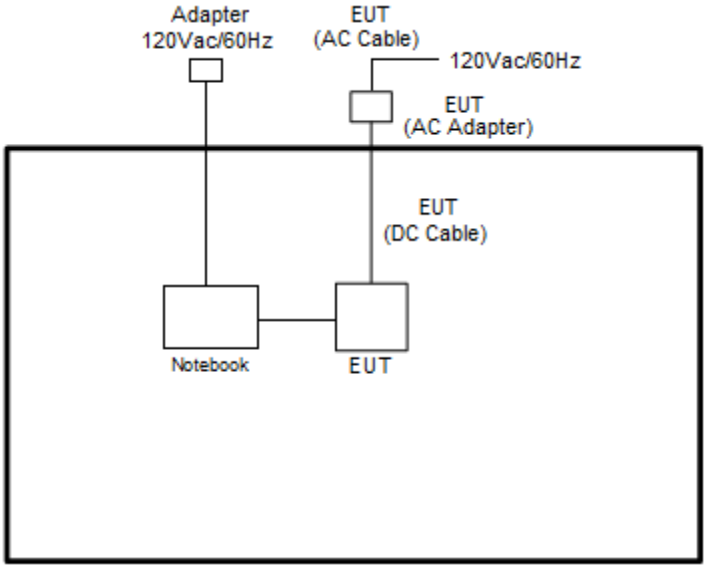
Note: The above Frequency and Channel in "*" were straddle Channel.

2.3 Connection Diagram of Test System

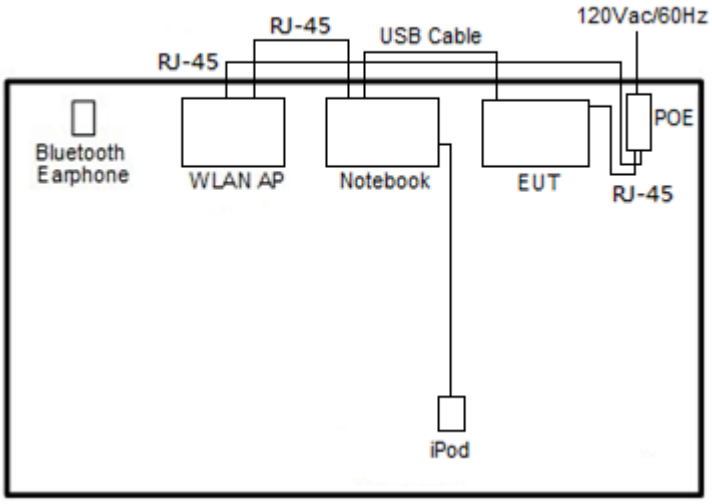
<WLAN Tx for CDD Mode>



<WLAN Tx for TXBF Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
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	ASUS	P2430U	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

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

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

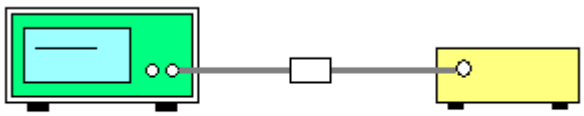
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

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

<CDD Mode>

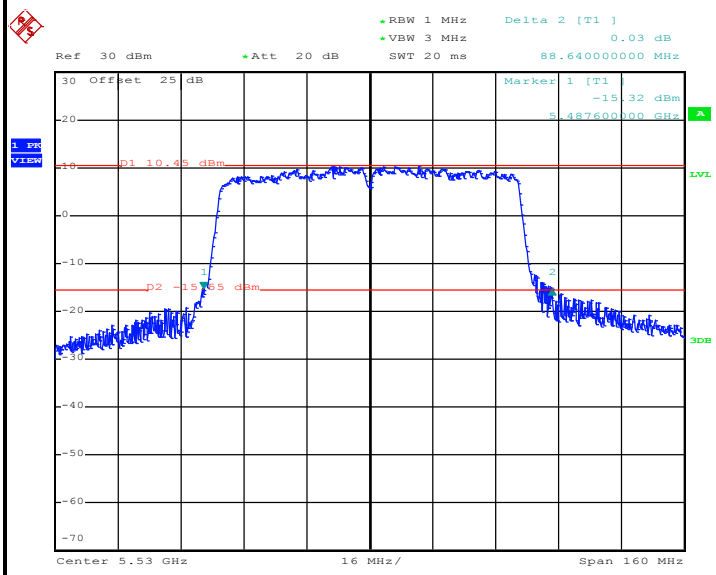
Band I												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	36	5180	16.70	16.70	25.10	24.60	-		22.23	22.23
11a	6Mbps	1	44	5220	16.75	16.70	24.70	24.60	-		22.24	22.23
11a	6Mbps	1	48	5240	16.75	16.70	24.50	24.90	-		22.24	22.23
HT20	MCS0	1	36	5180	17.90	17.90	25.30	25.55	-		22.53	22.53
HT20	MCS0	1	44	5220	17.90	17.90	26.00	26.60	-		22.53	22.53
HT20	MCS0	1	48	5240	17.90	17.90	25.65	25.75	-		22.53	22.53
HT40	MCS0	1	38	5190	36.60	36.60	41.76	41.76	-		23.01	23.01
HT40	MCS0	1	46	5230	36.50	36.60	41.76	41.94	-		23.01	23.01
VHT80	MCS0	1	42	5210	76.68	76.68	83.84	83.20	-		23.01	23.01
11a	6Mbps	2	36	5180	16.75	16.60	24.50	23.80	-		22.20	
11a	6Mbps	2	44	5220	16.85	16.65	24.85	24.80	-		22.21	
11a	6Mbps	2	48	5240	16.75	16.70	24.45	23.95	-		22.23	
HT20	MCS0	2	36	5180	18.00	17.85	25.90	25.20	-		22.52	
HT20	MCS0	2	44	5220	17.95	17.85	25.75	25.70	-		22.52	
HT20	MCS0	2	48	5240	17.85	17.85	25.80	25.35	-		22.52	
HT40	MCS0	2	38	5190	36.60	36.60	41.76	41.76	-		23.01	
HT40	MCS0	2	46	5230	36.50	36.60	41.76	42.12	-		23.01	
VHT80	MCS0	2	42	5210	76.68	76.68	82.88	82.88	-		23.01	

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	52	5260	16.70	16.70	24.85	24.65	23.23	23.23	29.23	29.23	23.98	23.98
11a	6Mbps	1	60	5300	16.75	16.70	24.60	24.60	23.24	23.23	29.24	29.23	23.98	23.98
11a	6Mbps	1	64	5320	16.75	16.80	24.60	24.45	23.24	23.25	29.24	29.25	23.98	23.98
HT20	MCS0	1	52	5260	17.90	17.90	25.95	25.55	23.53	23.53	29.53	29.53	23.98	23.98
HT20	MCS0	1	60	5300	17.95	17.85	25.95	25.70	23.54	23.52	29.54	29.52	23.98	23.98
HT20	MCS0	1	64	5320	17.95	17.95	26.10	25.40	23.54	23.54	29.54	29.54	23.98	23.98
HT40	MCS0	1	54	5270	36.60	36.60	41.94	41.94	23.98	23.98	30.00	30.00	23.98	23.98
HT40	MCS0	1	62	5310	36.70	36.60	41.94	41.76	23.98	23.98	30.00	30.00	23.98	23.98
VHT80	MCS0	1	58	5290	76.80	76.68	84.16	84.48	23.98	23.98	30.00	30.00	23.98	23.98
11a	6Mbps	2	52	5260	16.70	16.60	24.60	23.90	23.20		29.20		23.98	
11a	6Mbps	2	60	5300	16.70	16.70	24.55	23.80	23.23		29.23		23.98	
11a	6Mbps	2	64	5320	16.75	16.65	24.20	23.70	23.21		29.21		23.98	
HT20	MCS0	2	52	5260	17.95	17.90	25.95	25.20	23.53		29.53		23.98	
HT20	MCS0	2	60	5300	17.90	17.90	25.95	25.70	23.53		29.53		23.98	
HT20	MCS0	2	64	5320	17.95	17.85	25.90	25.50	23.52		29.52		23.98	
HT40	MCS0	2	54	5270	36.60	36.60	41.76	41.98	23.98		30.00		23.98	
HT40	MCS0	2	62	5310	36.80	36.60	41.76	41.94	23.98		30.00		23.98	
VHT80	MCS0	2	58	5290	76.80	76.80	84.16	84.48	23.98		30.00		23.98	

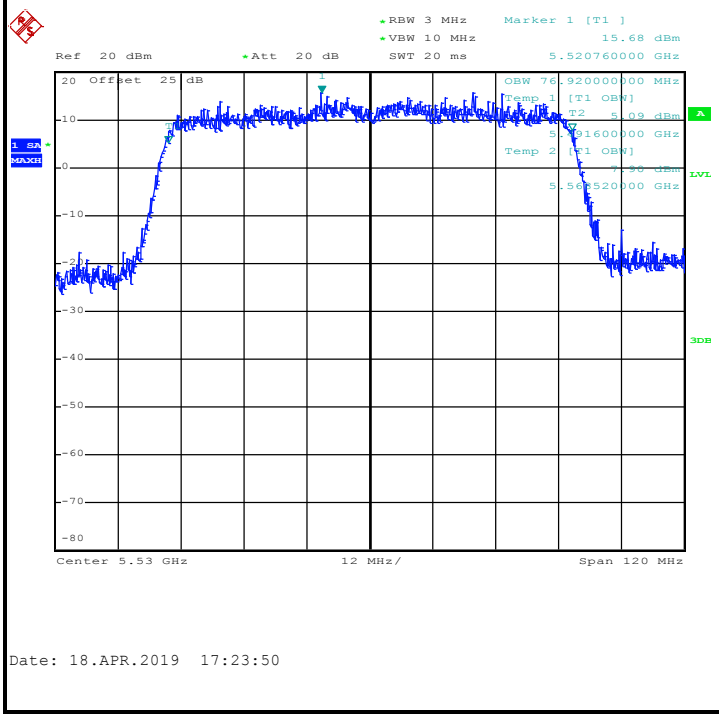
Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.75	16.75	25.00	24.30	23.24	23.24	29.24	29.24	23.98	23.98	----	----
11a	6Mbps	1	116	5580	16.80	16.75	25.75	24.40	23.25	23.24	29.25	29.24	23.98	23.98	----	----
11a	6Mbps	1	140	5700	16.75	16.70	24.60	24.60	23.24	23.23	29.24	29.23	23.98	23.98	----	----
11a	6Mbps	1	144	5720	13.30	13.40	16.85	17.05	22.24	22.27	28.24	28.27	23.27	23.32	2.75	2.75
HT20	MCS0	1	100	5500	17.95	17.85	27.40	25.85	23.54	23.52	29.54	29.52	23.98	23.98	----	----
HT20	MCS0	1	116	5580	17.95	17.95	26.20	26.00	23.54	23.54	29.54	29.54	23.98	23.98	----	----
HT20	MCS0	1	140	5700	17.95	17.90	26.35	25.50	23.54	23.53	29.54	29.53	23.98	23.98	----	----
HT20	MCS0	1	144	5720	13.95	13.95	17.35	17.40	22.45	22.45	28.45	28.45	23.39	23.41	3.1	3.35
HT40	MCS0	1	102	5510	36.60	36.60	41.94	41.94	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	110	5550	36.60	36.50	41.94	41.76	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	134	5670	36.70	36.60	42.06	41.94	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	142	5710	33.30	33.30	36.01	35.75	23.98	23.98	30.00	30.00	23.98	23.98	3.2	2.55
VHT80	MCS0	1	106	5530	76.92	76.68	88.64	83.52	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	122	5610	76.80	76.68	88.32	84.16	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	1	138	5690	73.40	73.40	77.24	76.76	23.98	23.98	30.00	30.00	23.98	23.98	2.6	2.6

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.75	16.60	25.00	23.60	23.20		29.20		23.98		----	----
11a	6Mbps	2	116	5580	16.70	16.65	24.40	23.50	23.21		29.21		23.98		----	----
11a	6Mbps	2	140	5700	16.70	16.65	24.45	23.60	23.21		29.21		23.98		----	----
11a	6Mbps	2	144	5720	13.35	13.35	17.05	17.20	22.25		28.25		23.32		2.75	2.55
HT20	MCS0	2	100	5500	17.80	17.85	26.00	25.30	23.50		29.50		23.98		----	----
HT20	MCS0	2	116	5580	17.85	17.85	26.50	25.05	23.52		29.52		23.98		----	----
HT20	MCS0	2	140	5700	17.95	17.80	26.15	24.70	23.50		29.50		23.98		----	----
HT20	MCS0	2	144	5720	14.00	13.95	17.35	18.05	22.45		28.45		23.39		3.35	3.15
HT40	MCS0	2	102	5510	36.60	36.60	41.76	41.94	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.60	36.60	41.94	42.06	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.70	36.60	42.12	41.76	23.98		30.00		23.98		----	----
HT40	MCS0	2	142	5710	33.30	33.30	35.70	35.97	23.98		30.00		23.98		3.18	2.58
VHT80	MCS0	2	106	5530	76.80	76.68	83.52	83.20	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.92	76.80	83.66	83.20	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	73.40	73.40	76.92	77.40	23.98		30.00		23.98		2.6	2.6

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

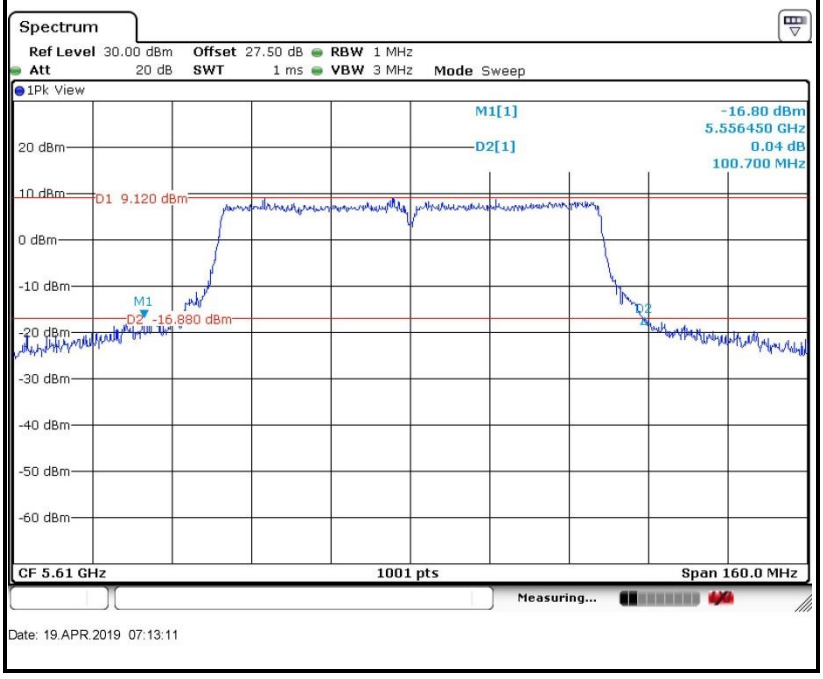
<TXBF Modes>

Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
VHT20	MCS0	2	36	5180	17.88	17.82	24.83	24.43	-		22.51	
VHT20	MCS0	2	44	5220	17.93	17.83	25.48	24.68	-		22.51	
VHT20	MCS0	2	48	5240	17.83	17.83	25.28	24.83	-		22.51	
VHT40	MCS0	2	38	5190	36.66	36.56	42.08	41.63	-		23.01	
VHT40	MCS0	2	46	5230	36.66	36.46	81.40	80.44	-		23.01	
VHT80	MCS0	2	42	5210	76.60	76.60	91.43	88.55	-		23.01	

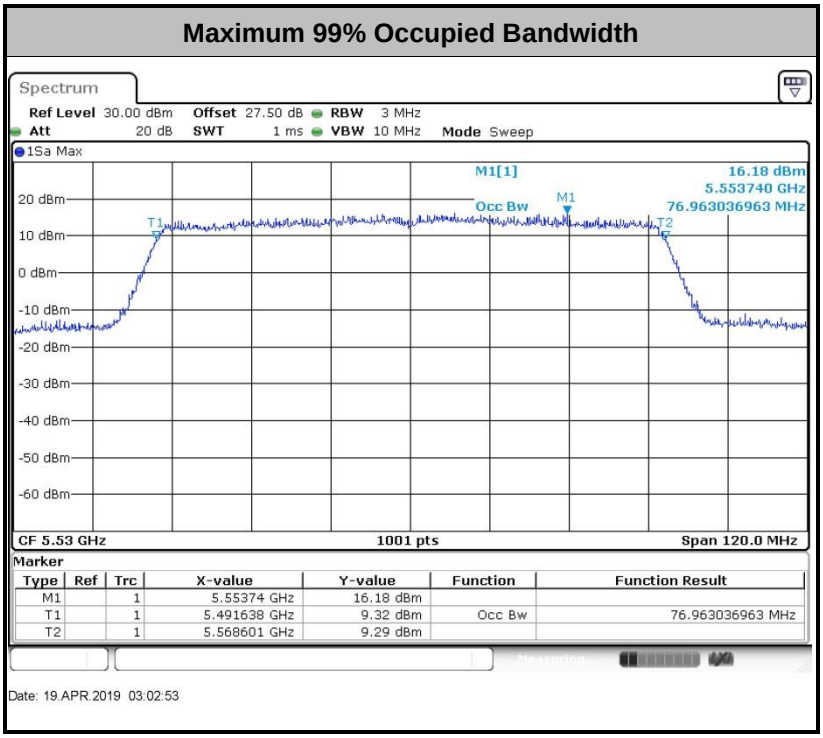
Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
VHT20	MCS0	2	52	5260	17.88	17.83	25.62	24.98	23.51		29.51		23.98	
VHT20	MCS0	2	60	5300	17.83	17.83	25.67	25.08	23.51		29.51		23.98	
VHT20	MCS0	2	64	5320	17.83	17.83	25.52	24.43	23.51		29.51		23.98	
VHT40	MCS0	2	54	5270	36.46	36.46	41.81	41.72	23.98		30.00		23.98	
VHT40	MCS0	2	62	5310	36.56	36.46	42.26	41.54	23.98		30.00		23.98	
VHT80	MCS0	2	58	5290	76.72	76.72	83.44	82.96	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	17.88	17.83	26.47	24.98	23.51		29.51		23.98		----	----
VHT20	MCS0	2	116	5580	17.88	17.78	25.48	24.03	23.50		29.50		23.98		----	----
VHT20	MCS0	2	140	5700	17.93	17.83	25.03	24.63	23.51		29.51		23.98		----	----
VHT20	MCS0	2	144	5720	13.89	13.89	17.24	17.84	22.43		28.43		23.36		3.542	2.592
VHT40	MCS0	2	102	5510	36.86	36.46	42.62	41.90	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.66	36.56	42.17	41.81	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.66	36.56	41.99	41.72	23.98		30.00		23.98		----	----
VHT40	MCS0	2	142	5710	33.28	33.18	35.95	35.86	23.98		30.00		23.98		3.18	3.162
VHT80	MCS0	2	106	5530	76.96	76.60	84.56	83.60	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.96	76.72	100.70	90.15	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	73.36	73.24	76.88	76.88	23.98		30.00		23.98		2.56	2.52

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

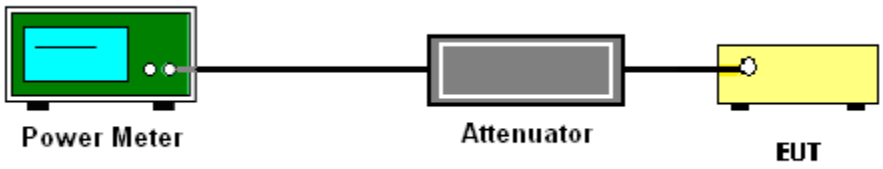
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

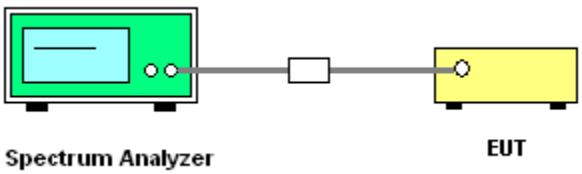
Method PM-G (Measurement using a gated RF average power meter):

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 :	Kai Liao and AnAn Wu	Temperature :	21~25℃
		Relative Humidity :	51~54%

<CDD Mode>

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.00	0.00	19.30	18.80		24.00	24.00	4.00	4.00	Pass
11a	6Mbps	1	44	5220	0.00	0.00	19.20	18.80		24.00	24.00	4.00	4.00	Pass
11a	6Mbps	1	48	5240	0.00	0.00	19.10	18.90		24.00	24.00	4.00	4.00	Pass
HT20	MCS0	1	36	5180	0.00	0.00	18.80	18.20		24.00	24.00	4.00	4.00	Pass
HT20	MCS0	1	44	5220	0.00	0.00	18.90	18.20		24.00	24.00	4.00	4.00	Pass
HT20	MCS0	1	48	5240	0.00	0.00	19.00	18.30		24.00	24.00	4.00	4.00	Pass
HT40	MCS0	1	38	5190	0.00	0.00	15.30	17.80		24.00	24.00	4.00	4.00	Pass
HT40	MCS0	1	46	5230	0.00	0.00	19.10	18.30		24.00	24.00	4.00	4.00	Pass
VHT20	MCS0	1	36	5180	0.00	0.00	18.10	18.10		24.00	24.00	4.00	4.00	Pass
VHT20	MCS0	1	44	5220	0.00	0.00	18.10	18.10		24.00	24.00	4.00	4.00	Pass
VHT20	MCS0	1	48	5240	0.00	0.00	18.20	18.20		24.00	24.00	4.00	4.00	Pass
VHT40	MCS0	1	38	5190	0.00	0.00	15.20	17.70		24.00	24.00	4.00	4.00	Pass
VHT40	MCS0	1	46	5230	0.00	0.00	19.00	18.20		24.00	24.00	4.00	4.00	Pass
VHT80	MCS0	1	42	5210	0.00	0.00	15.20	17.60		24.00	24.00	4.00	4.00	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	0.00	0.00	16.60	17.10	19.87	24.00		4.00		Pass
11a	6Mbps	2	44	5220	0.00	0.00	16.70	17.10	19.91	24.00		4.00		Pass
11a	6Mbps	2	48	5240	0.00	0.00	16.80	17.10	19.96	24.00		4.00		Pass
HT20	MCS0	2	36	5180	0.00	0.00	17.10	17.50	20.31	24.00		4.00		Pass
HT20	MCS0	2	44	5220	0.00	0.00	17.30	17.50	20.41	24.00		4.00		Pass
HT20	MCS0	2	48	5240	0.00	0.00	17.30	17.40	20.36	24.00		4.00		Pass
HT40	MCS0	2	38	5190	0.00	0.00	15.00	15.50	18.27	24.00		4.00		Pass
HT40	MCS0	2	46	5230	0.00	0.00	18.70	18.90	21.81	24.00		4.00		Pass
VHT20	MCS0	2	36	5180	0.00	0.00	17.00	17.40	20.21	24.00		4.00		Pass
VHT20	MCS0	2	44	5220	0.00	0.00	17.20	17.40	20.31	24.00		4.00		Pass
VHT20	MCS0	2	48	5240	0.00	0.00	17.20	17.30	20.26	24.00		4.00		Pass
VHT40	MCS0	2	38	5190	0.00	0.00	15.00	15.40	18.21	24.00		4.00		Pass
VHT40	MCS0	2	46	5230	0.00	0.00	18.60	18.80	21.71	24.00		4.00		Pass
VHT80	MCS0	2	42	5210	0.00	0.00	12.90	13.40	16.17	24.00		4.00		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	0.00	0.00	19.00	18.50		23.98	23.98	3.50	3.20	30	Pass
11a	6Mbps	1	60	5300	0.00	0.00	19.00	18.40		23.98	23.98	3.50	3.20	30	Pass
11a	6Mbps	1	64	5320	0.00	0.00	19.10	19.50		23.98	23.98	3.50	3.20	30	Pass
HT20	MCS0	1	52	5260	0.00	0.00	18.80	18.50		23.98	23.98	3.50	3.20	30	Pass
HT20	MCS0	1	60	5300	0.00	0.00	18.90	18.20		23.98	23.98	3.50	3.20	30	Pass
HT20	MCS0	1	64	5320	0.00	0.00	19.00	18.30		23.98	23.98	3.50	3.20	30	Pass
HT40	MCS0	1	54	5270	0.00	0.00	18.90	18.40		23.98	23.98	3.50	3.20	30	Pass
HT40	MCS0	1	62	5310	0.00	0.00	15.40	17.80		23.98	23.98	3.50	3.20	30	Pass
VHT20	MCS0	1	52	5260	0.00	0.00	18.70	18.40		23.98	23.98	3.50	3.20	30	Pass
VHT20	MCS0	1	60	5300	0.00	0.00	18.80	18.10		23.98	23.98	3.50	3.20	30	Pass
VHT20	MCS0	1	64	5320	0.00	0.00	18.90	18.20		23.98	23.98	3.50	3.20	30	Pass
VHT40	MCS0	1	54	5270	0.00	0.00	18.80	18.30		23.98	23.98	3.50	3.20	30	Pass
VHT40	MCS0	1	62	5310	0.00	0.00	15.30	17.70		23.98	23.98	3.50	3.20	30	Pass
VHT80	MCS0	1	58	5290	0.00	0.00	14.10	16.10		23.98	23.98	3.50	3.20	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	0.00	0.00	17.10	19.96	23.98	3.50		30		17.10	Pass
11a	6Mbps	2	60	5300	0.00	0.00	17.10	19.87	23.98	3.50		30		17.10	Pass
11a	6Mbps	2	64	5320	0.00	0.00	17.10	19.91	23.98	3.50		30		17.10	Pass
HT20	MCS0	2	52	5260	0.00	0.00	18.10	20.82	23.98	3.50		30		18.10	Pass
HT20	MCS0	2	60	5300	0.00	0.00	17.50	20.27	23.98	3.50		30		17.50	Pass
HT20	MCS0	2	64	5320	0.00	0.00	17.60	20.41	23.98	3.50		30		17.60	Pass
HT40	MCS0	2	54	5270	0.00	0.00	19.50	22.27	23.98	3.50		30		19.50	Pass
HT40	MCS0	2	62	5310	0.00	0.00	14.10	16.82	23.98	3.50		30		14.10	Pass
VHT20	MCS0	2	52	5260	0.00	0.00	18.00	20.72	23.98	3.50		30		18.00	Pass
VHT20	MCS0	2	60	5300	0.00	0.00	17.40	20.17	23.98	3.50		30		17.40	Pass
VHT20	MCS0	2	64	5320	0.00	0.00	17.50	20.31	23.98	3.50		30		17.50	Pass
VHT40	MCS0	2	54	5270	0.00	0.00	19.40	22.21	23.98	3.50		30		19.40	Pass
VHT40	MCS0	2	62	5310	0.00	0.00	14.00	16.72	23.98	3.50		30		14.00	Pass
VHT80	MCS0	2	58	5290	0.00	0.00	8.70	11.37	23.98	3.50		30		8.70	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	0.00	0.00	19.80	20.10		23.98	23.98	3.00	4.20	30	Pass
11a	6Mbps	1	116	5580	0.00	0.00	20.10	20.00		23.98	23.98	3.00	4.20	30	Pass
11a	6Mbps	1	140	5700	0.00	0.00	19.60	20.50		23.98	23.98	3.00	4.20	30	Pass
11a	6Mbps	1	144	5720	0.00	0.00	20.20	20.00		23.27	23.32	3.00	4.20	30	Pass
HT20	MCS0	1	100	5500	0.00	0.00	19.70	19.50		23.98	23.98	3.00	4.20	30	Pass
HT20	MCS0	1	116	5580	0.00	0.00	20.10	19.40		23.98	23.98	3.00	4.20	30	Pass
HT20	MCS0	1	140	5700	0.00	0.00	17.70	19.40		23.98	23.98	3.00	4.20	30	Pass
HT20	MCS0	1	144	5720	0.00	0.00	19.60	19.40		23.39	23.41	3.00	4.20	30	Pass
HT40	MCS0	1	102	5510	0.00	0.00	19.00	19.10		23.98	23.98	3.00	4.20	30	Pass
HT40	MCS0	1	110	5550	0.00	0.00	20.60	20.10		23.98	23.98	3.00	4.20	30	Pass
HT40	MCS0	1	134	5670	0.00	0.00	20.30	20.00		23.98	23.98	3.00	4.20	30	Pass
HT40	MCS0	1	142	5710	0.00	0.00	20.30	19.50		23.98	23.98	3.00	4.20	30	Pass
VHT20	MCS0	1	100	5500	0.00	0.00	19.60	19.40		23.98	23.98	3.00	4.20	30	Pass
VHT20	MCS0	1	116	5580	0.00	0.00	20.00	19.30		23.98	23.98	3.00	4.20	30	Pass
VHT20	MCS0	1	140	5700	0.00	0.00	17.60	19.30		23.98	23.98	3.00	4.20	30	Pass
VHT20	MCS0	1	144	5720	0.00	0.00	19.50	19.30		23.39	23.41	3.00	4.20	30	Pass
VHT40	MCS0	1	102	5510	0.00	0.00	18.90	19.00		23.98	23.98	3.00	4.20	30	Pass
VHT40	MCS0	1	110	5550	0.00	0.00	20.50	20.00		23.98	23.98	3.00	4.20	30	Pass
VHT40	MCS0	1	134	5670	0.00	0.00	20.20	19.90		23.98	23.98	3.00	4.20	30	Pass
VHT40	MCS0	1	142	5710	0.00	0.00	20.20	19.40		23.98	23.98	3.00	4.20	30	Pass
VHT80	MCS0	1	106	5530	0.00	0.00	18.40	18.40		23.98	23.98	3.00	4.20	30	Pass
VHT80	MCS0	1	122	5610	0.00	0.00	19.60	19.80		23.98	23.98	3.00	4.20	30	Pass
VHT80	MCS0	1	138	5690	0.00	0.00	19.50	18.90		23.98	23.98	3.00	4.20	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	0.00	0.00	15.20	15.40	18.31	23.98		4.20		30	Pass
11a	6Mbps	2	116	5580	0.00	0.00	15.60	15.70	18.66	23.98		4.20		30	Pass
11a	6Mbps	2	140	5700	0.00	0.00	15.30	15.70	18.51	23.98		4.20		30	Pass
11a	6Mbps	2	144	5720	0.00	0.00	15.30	15.60	18.46	23.32		4.20		30	Pass
HT20	MCS0	2	100	5500	0.00	0.00	15.50	15.60	18.56	23.98		4.20		30	Pass
HT20	MCS0	2	116	5580	0.00	0.00	15.40	15.30	18.36	23.98		4.20		30	Pass
HT20	MCS0	2	140	5700	0.00	0.00	15.60	16.10	18.87	23.98		4.20		30	Pass
HT20	MCS0	2	144	5720	0.00	0.00	15.90	15.70	18.81	23.39		4.20		30	Pass
HT40	MCS0	2	102	5510	0.00	0.00	16.90	16.90	19.91	23.98		4.20		30	Pass
HT40	MCS0	2	110	5550	0.00	0.00	18.70	18.80	21.76	23.98		4.20		30	Pass
HT40	MCS0	2	134	5670	0.00	0.00	18.50	18.70	21.61	23.98		4.20		30	Pass
HT40	MCS0	2	142	5710	0.00	0.00	18.40	18.70	21.56	23.98		4.20		30	Pass
VHT20	MCS0	2	100	5500	0.00	0.00	15.40	15.60	18.51	23.98		4.20		30	Pass
VHT20	MCS0	2	116	5580	0.00	0.00	15.20	15.40	18.31	23.98		4.20		30	Pass
VHT20	MCS0	2	140	5700	0.00	0.00	15.60	15.90	18.76	23.98		4.20		30	Pass
VHT20	MCS0	2	144	5720	0.00	0.00	15.70	15.70	18.71	23.39		4.20		30	Pass
VHT40	MCS0	2	102	5510	0.00	0.00	16.80	16.80	19.81	23.98		4.20		30	Pass
VHT40	MCS0	2	110	5550	0.00	0.00	18.70	18.70	21.71	23.98		4.20		30	Pass
VHT40	MCS0	2	134	5670	0.00	0.00	18.50	18.60	21.56	23.98		4.20		30	Pass
VHT40	MCS0	2	142	5710	0.00	0.00	18.40	18.60	21.51	23.98		4.20		30	Pass
VHT80	MCS0	2	106	5530	0.00	0.00	14.60	14.80	17.71	23.98		4.20		30	Pass
VHT80	MCS0	2	122	5610	0.00	0.00	18.40	18.30	21.36	23.98		4.20		30	Pass
VHT80	MCS0	2	138	5690	0.00	0.00	18.30	18.50	21.41	23.98		4.20		30	Pass

<TXBF Mode>

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	36	5180	0.00	0.00	15.00	15.30	18.16	22.99		7.01		Pass
VHT20	MCS0	2	44	5220	0.00	0.00	15.10	15.50	18.31	22.99		7.01		Pass
VHT20	MCS0	2	48	5240	0.00	0.00	12.10	12.20	15.16	22.99		7.01		Pass
VHT40	MCS0	2	38	5190	0.00	0.00	17.00	17.40	20.21	22.99		7.01		Pass
VHT40	MCS0	2	46	5230	0.00	0.00	18.30	18.60	21.46	22.99		7.01		Pass
VHT80	MCS0	2	42	5210	0.00	0.00	16.20	17.00	19.63	22.99		7.01		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	14.50	15.10	17.82	23.62		6.36		26.99	Pass
VHT20	MCS0	2	60	5300	0.00	0.00	14.40	15.00	17.72	23.62		6.36		26.99	Pass
VHT20	MCS0	2	64	5320	0.00	0.00	14.50	15.00	17.77	23.62		6.36		26.99	Pass
VHT40	MCS0	2	54	5270	0.00	0.00	16.60	17.00	19.81	23.62		6.36		26.99	Pass
VHT40	MCS0	2	62	5310	0.00	0.00	16.10	16.70	19.42	23.62		6.36		26.99	Pass
VHT80	MCS0	2	58	5290	0.00	0.00	14.80	15.50	18.17	23.62		6.36		26.99	Pass

FCC Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT20	MCS0	2	100	5500	0.00	0.00	14.70	15.00	17.86	23.35		6.63		26.99	Pass
VHT20	MCS0	2	116	5580	0.00	0.00	14.40	14.70	17.56	23.35		6.63		26.99	Pass
VHT20	MCS0	2	140	5700	0.00	0.00	15.40	15.80	18.61	23.35		6.63		26.99	Pass
VHT20	MCS0	2	144	5720	0.00	0.00	15.40	15.70	18.56	22.73		6.63		26.99	Pass
VHT40	MCS0	2	102	5510	0.00	0.00	17.40	17.26	20.34	23.35		6.63		26.99	Pass
VHT40	MCS0	2	110	5550	0.00	0.00	17.40	17.20	20.31	23.35		6.63		26.99	Pass
VHT40	MCS0	2	134	5670	0.00	0.00	17.10	17.30	20.21	23.35		6.63		26.99	Pass
VHT40	MCS0	2	142	5710	0.00	0.00	16.90	17.30	20.11	23.35		6.63		26.99	Pass
VHT80	MCS0	2	106	5530	0.00	0.00	17.30	17.20	20.26	23.35		6.63		26.99	Pass
VHT80	MCS0	2	122	5610	0.00	0.00	17.30	17.30	20.31	23.35		6.63		26.99	Pass
VHT80	MCS0	2	138	5690	0.00	0.00	15.30	15.70	18.51	23.35		6.63		26.99	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):

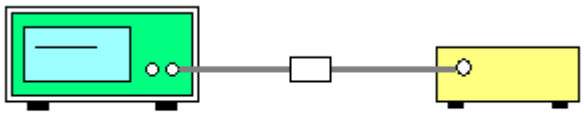
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the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

<CDD Modes>

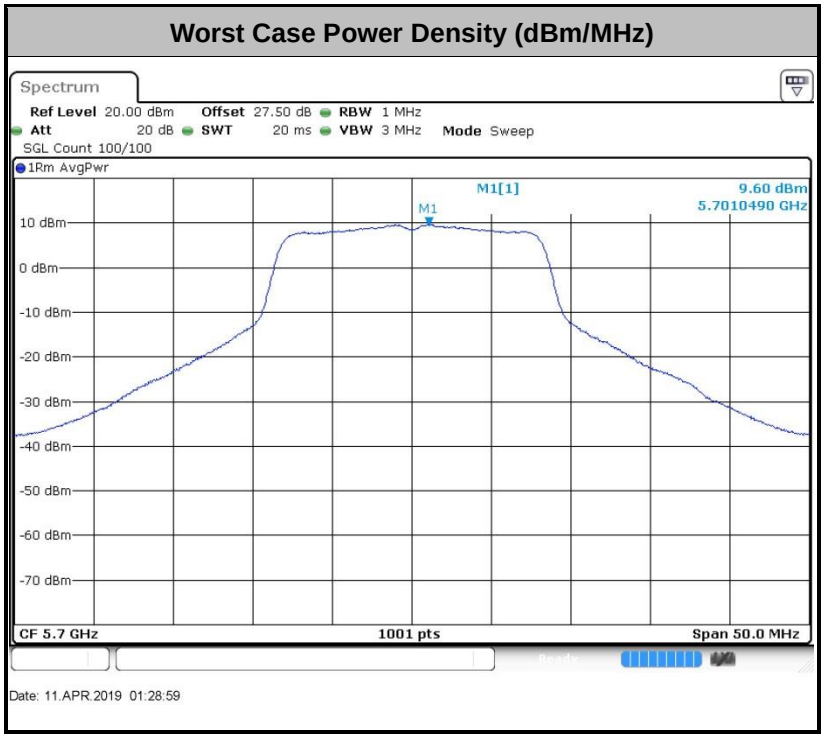
FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.23	0.22	8.76	8.09		11.00	11.00	4.00	4.00	Pass
11a	6Mbps	1	44	5220	0.23	0.22	8.54	8.14		11.00	11.00	4.00	4.00	Pass
11a	6Mbps	1	48	5240	0.23	0.22	8.42	8.16		11.00	11.00	4.00	4.00	Pass
HT20	MCS0	1	36	5180	0.25	0.24	7.78	7.14		11.00	11.00	4.00	4.00	Pass
HT20	MCS0	1	44	5220	0.25	0.24	7.94	7.02		11.00	11.00	4.00	4.00	Pass
HT20	MCS0	1	48	5240	0.25	0.24	7.88	7.11		11.00	11.00	4.00	4.00	Pass
HT40	MCS0	1	38	5190	0.35	0.37	1.22	3.67		11.00	11.00	4.00	4.00	Pass
HT40	MCS0	1	46	5230	0.35	0.37	5.06	4.23		11.00	11.00	4.00	4.00	Pass
VHT80	MCS0	1	42	5210	0.70	0.69	-1.70	0.53		11.00	11.00	4.00	4.00	Pass
11a	6Mbps	2	36	5180	0.23	0.19			8.77	9.99		7.01		Pass
11a	6Mbps	2	44	5220	0.23	0.19			8.98	9.99		7.01		Pass
11a	6Mbps	2	48	5240	0.23	0.19			8.86	9.99		7.01		Pass
HT20	MCS0	2	36	5180	0.24	0.24			9.12	9.99		7.01		Pass
HT20	MCS0	2	44	5220	0.24	0.24			9.11	9.99		7.01		Pass
HT20	MCS0	2	48	5240	0.24	0.24			8.83	9.99		7.01		Pass
HT40	MCS0	2	38	5190	0.39	0.35			3.80	9.99		7.01		Pass
HT40	MCS0	2	46	5230	0.39	0.35			7.84	9.99		7.01		Pass
VHT80	MCS0	2	42	5210	0.68	0.65			-0.96	9.99		7.01		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	0.23	0.22	8.32	7.58		11.00	11.00	3.50	3.20	Pass
11a	6Mbps	1	60	5300	0.23	0.22	8.35	7.55		11.00	11.00	3.50	3.20	Pass
11a	6Mbps	1	64	5320	0.23	0.22	8.44	8.65		11.00	11.00	3.50	3.20	Pass
HT20	MCS0	1	52	5260	0.25	0.24	8.01	7.13		11.00	11.00	3.50	3.20	Pass
HT20	MCS0	1	60	5300	0.25	0.24	7.83	7.17		11.00	11.00	3.50	3.20	Pass
HT20	MCS0	1	64	5320	0.25	0.24	7.90	7.11		11.00	11.00	3.50	3.20	Pass
HT40	MCS0	1	54	5270	0.35	0.37	4.98	4.35		11.00	11.00	3.50	3.20	Pass
HT40	MCS0	1	62	5310	0.35	0.37	1.28	3.80		11.00	11.00	3.50	3.20	Pass
VHT80	MCS0	1	58	5290	0.70	0.69	-2.96	-0.70		11.00	11.00	3.50	3.20	Pass
11a	6Mbps	2	52	5260	0.23	0.19			9.01	10.64		6.36		Pass
11a	6Mbps	2	60	5300	0.23	0.19			8.90	10.64		6.36		Pass
11a	6Mbps	2	64	5320	0.23	0.19			8.89	10.64		6.36		Pass
HT20	MCS0	2	52	5260	0.24	0.24			9.29	10.64		6.36		Pass
HT20	MCS0	2	60	5300	0.24	0.24			9.13	10.64		6.36		Pass
HT20	MCS0	2	64	5320	0.24	0.24			8.84	10.64		6.36		Pass
HT40	MCS0	2	54	5270	0.39	0.35			8.14	10.64		6.36		Pass
HT40	MCS0	2	62	5310	0.39	0.35			2.53	10.64		6.36		Pass
VHT80	MCS0	2	58	5290	0.68	0.65			-5.22	10.64		6.36		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	0.23	0.22	9.13	9.39		11.00	11.00	3.00	4.20	Pass
11a	6Mbps	1	116	5580	0.23	0.22	9.44	9.18		11.00	11.00	3.00	4.20	Pass
11a	6Mbps	1	140	5700	0.23	0.22	8.91	9.82		11.00	11.00	3.00	4.20	Pass
11a	6Mbps	1	144	5720	0.23	0.22	9.52	9.21		11.00	11.00	3.00	4.20	Pass
HT20	MCS0	1	100	5500	0.25	0.24	8.73	8.35		11.00	11.00	3.00	4.20	Pass
HT20	MCS0	1	116	5580	0.25	0.24	9.11	8.39		11.00	11.00	3.00	4.20	Pass
HT20	MCS0	1	140	5700	0.25	0.24	6.50	8.35		11.00	11.00	3.00	4.20	Pass
HT20	MCS0	1	144	5720	0.25	0.24	8.58	8.25		11.00	11.00	3.00	4.20	Pass
HT40	MCS0	1	102	5510	0.35	0.37	4.94	4.83		11.00	11.00	3.00	4.20	Pass
HT40	MCS0	1	110	5550	0.35	0.37	6.56	5.98		11.00	11.00	3.00	4.20	Pass
HT40	MCS0	1	134	5670	0.35	0.37	6.31	5.88		11.00	11.00	3.00	4.20	Pass
HT40	MCS0	1	142	5710	0.35	0.37	6.38	5.45		11.00	11.00	3.00	4.20	Pass
VHT80	MCS0	1	106	5530	0.70	0.69	1.29	1.44		11.00	11.00	3.00	4.20	Pass
VHT80	MCS0	1	122	5610	0.70	0.69	2.65	2.77		11.00	11.00	3.00	4.20	Pass
VHT80	MCS0	1	138	5690	0.70	0.69	2.29	1.75		11.00	11.00	3.00	4.20	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	0.23	0.19			7.13	10.37		6.63		Pass
11a	6Mbps	2	116	5580	0.23	0.19			7.66	10.37		6.63		Pass
11a	6Mbps	2	140	5700	0.23	0.19			7.59	10.37		6.63		Pass
11a	6Mbps	2	144	5720	0.23	0.19			7.51	10.37		6.63		Pass
HT20	MCS0	2	100	5500	0.24	0.24			7.08	10.37		6.63		Pass
HT20	MCS0	2	116	5580	0.24	0.24			6.96	10.37		6.63		Pass
HT20	MCS0	2	140	5700	0.24	0.24			7.57	10.37		6.63		Pass
HT20	MCS0	2	144	5720	0.24	0.24			7.57	10.37		6.63		Pass
HT40	MCS0	2	102	5510	0.39	0.35			5.33	10.37		6.63		Pass
HT40	MCS0	2	110	5550	0.39	0.35			7.43	10.37		6.63		Pass
HT40	MCS0	2	134	5670	0.39	0.35			7.49	10.37		6.63		Pass
HT40	MCS0	2	142	5710	0.39	0.35			7.40	10.37		6.63		Pass
VHT80	MCS0	2	106	5530	0.68	0.65			0.23	10.37		6.63		Pass
VHT80	MCS0	2	122	5610	0.68	0.65			4.11	10.37		6.63		Pass
VHT80	MCS0	2	138	5690	0.68	0.65			4.07	10.37		6.63		Pass

Worst Case Power Density (dBm/MHz)



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

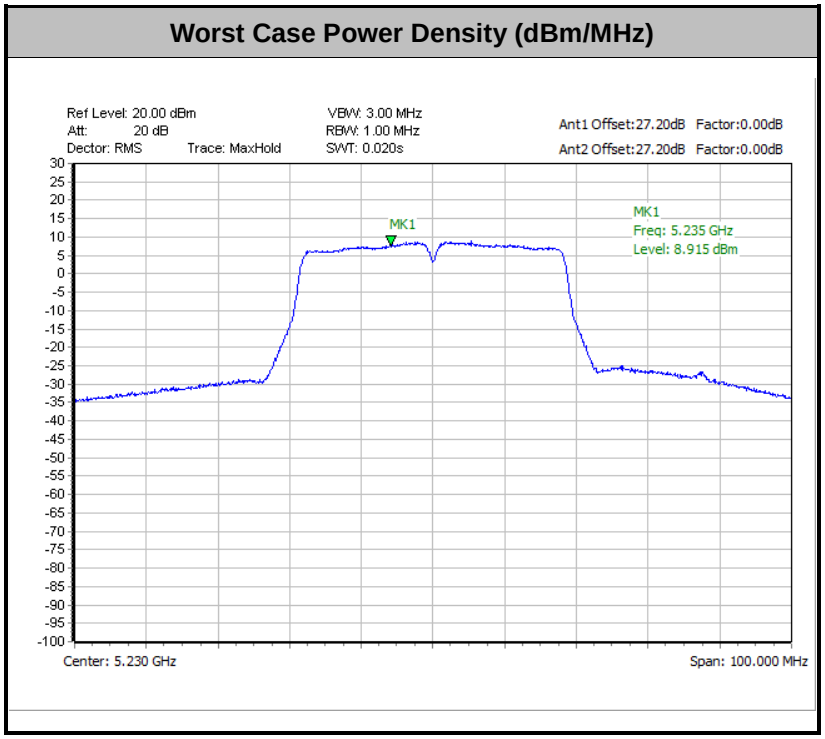
<TXBF Modes>

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			8.35	9.99		7.01		Pass
VHT20	MCS0	2	44	5220	0.00	0.00			8.54	9.99		7.01		Pass
VHT20	MCS0	2	48	5240	0.00	0.00			5.77	9.99		7.01		Pass
VHT40	MCS0	2	38	5190	0.00	0.00			7.67	9.99		7.01		Pass
VHT40	MCS0	2	46	5230	0.00	0.00			8.92	9.99		7.01		Pass
VHT80	MCS0	2	42	5210	0.00	0.00			4.42	9.99		7.01		Pass

Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	52	5260	0.00	0.00			8.35	10.64		6.36		Pass
VHT20	MCS0	2	60	5300	0.00	0.00			8.26	10.64		6.36		Pass
VHT20	MCS0	2	64	5320	0.00	0.00			8.39	10.64		6.36		Pass
VHT40	MCS0	2	54	5270	0.00	0.00			7.22	10.64		6.36		Pass
VHT40	MCS0	2	62	5310	0.00	0.00			6.56	10.64		6.36		Pass
VHT80	MCS0	2	58	5290	0.00	0.00			2.33	10.64		6.36		Pass

Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT20	MCS0	2	100	5500	0.00	0.00			8.01	10.37		6.63		Pass
VHT20	MCS0	2	116	5580	0.00	0.00			7.50	10.37		6.63		Pass
VHT20	MCS0	2	140	5700	0.00	0.00			8.73	10.37		6.63		Pass
VHT20	MCS0	2	144	5720	0.00	0.00			8.62	10.37		6.63		Pass
VHT40	MCS0	2	102	5510	0.00	0.00			7.36	10.37		6.63		Pass
VHT40	MCS0	2	110	5550	0.00	0.00			7.41	10.37		6.63		Pass
VHT40	MCS0	2	134	5670	0.00	0.00			7.27	10.37		6.63		Pass
VHT40	MCS0	2	142	5710	0.00	0.00			7.22	10.37		6.63		Pass
VHT80	MCS0	2	106	5530	0.00	0.00			4.20	10.37		6.63		Pass
VHT80	MCS0	2	122	5610	0.00	0.00			3.92	10.37		6.63		Pass
VHT80	MCS0	2	138	5690	0.00	0.00			2.45	10.37		6.63		Pass

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

   Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

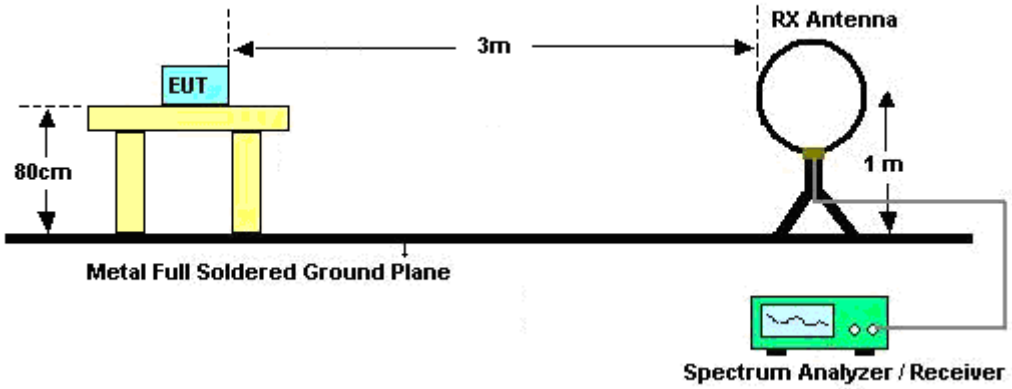
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

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

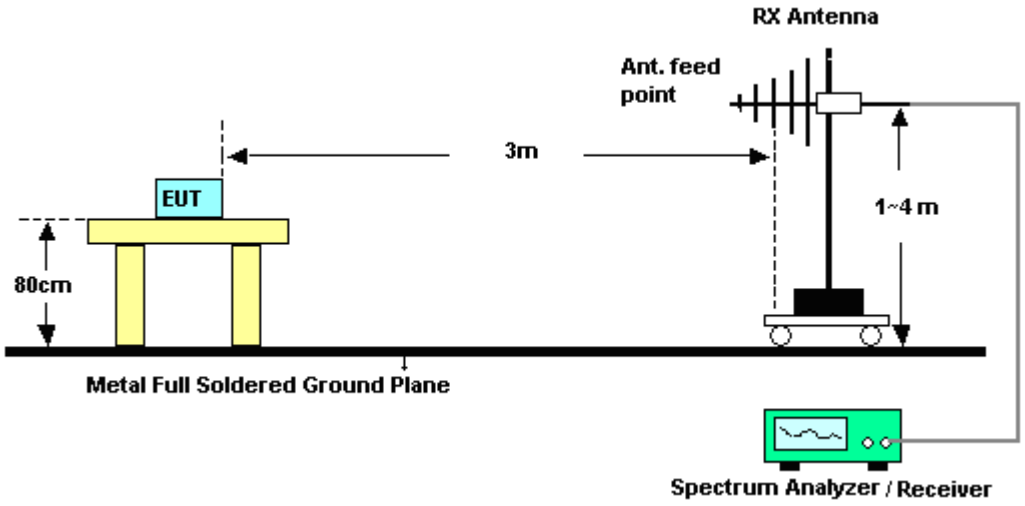
3.4.4 Test Setup

For radiated emissions below 30MHz

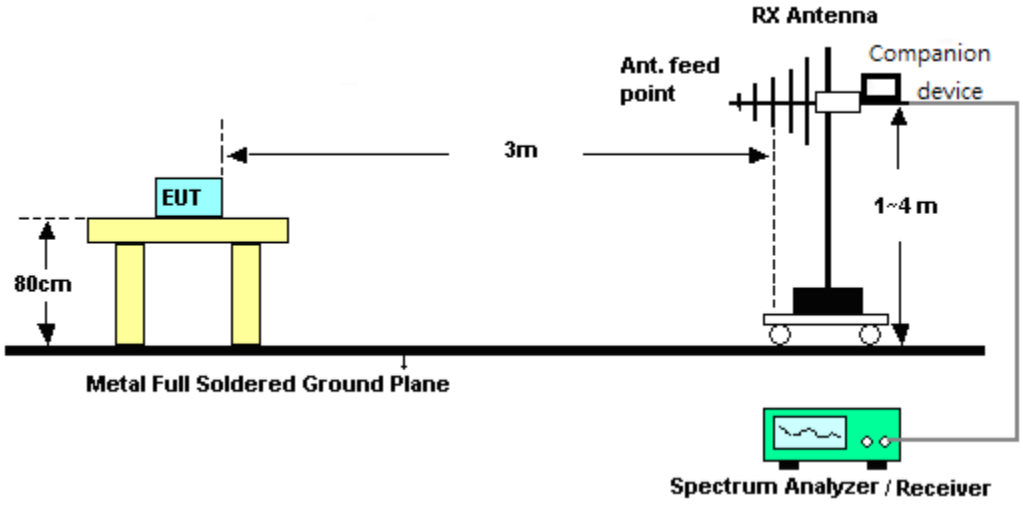


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

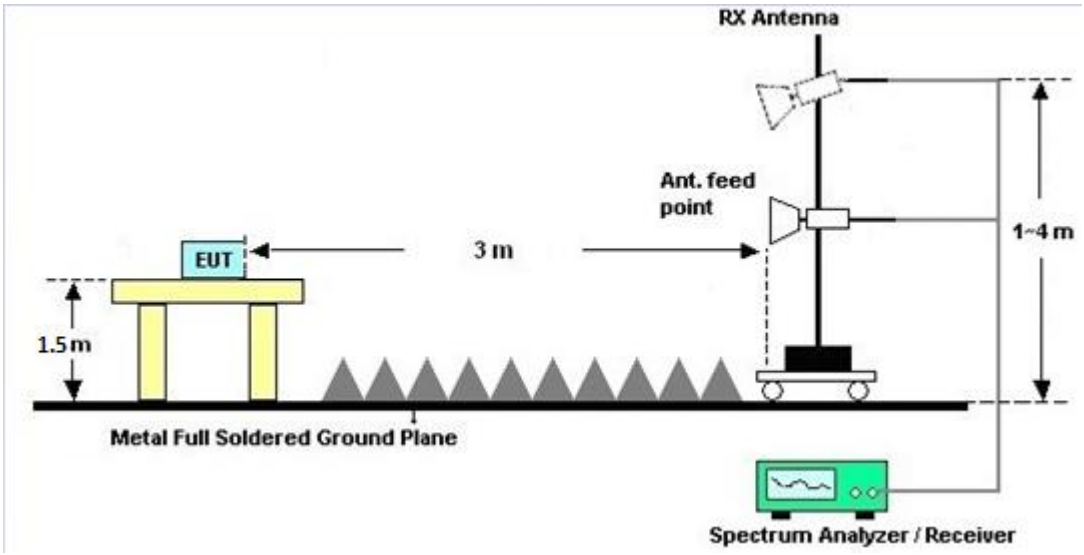


<TXBF Modes>



For radiated emissions above 1GHz

<CDD Mode>



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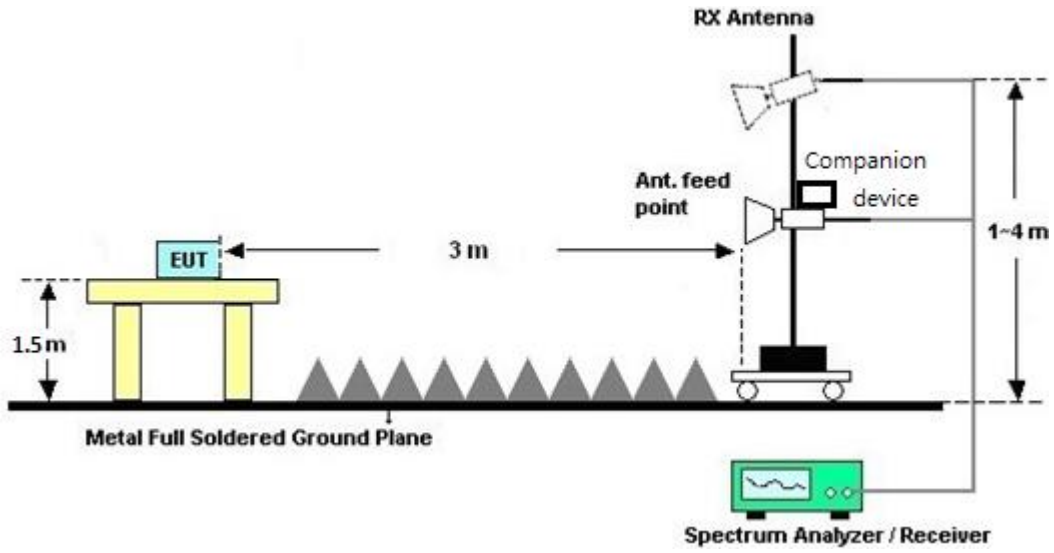


3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

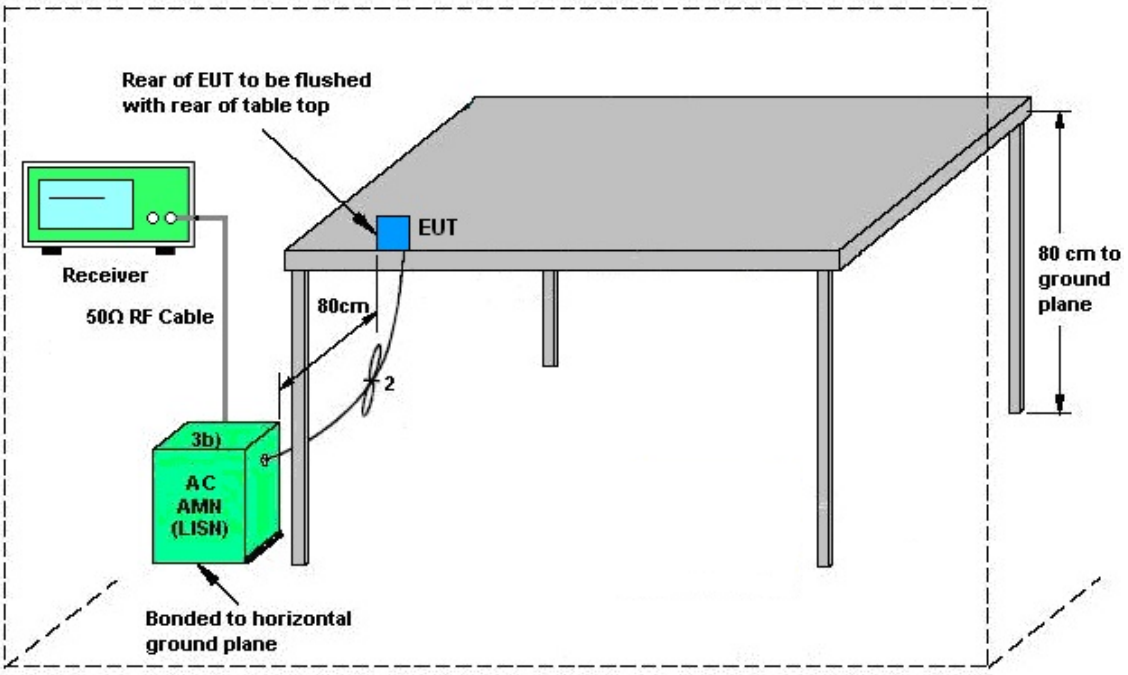
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	4.00	4.00	4.00	7.01	0.00	1.01
Band II	3.50	3.20	3.50	6.36	0.00	0.36
Band III	3.00	4.20	4.20	6.63	0.00	0.63

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

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

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	4.00	4.00	7.01	7.01	1.01	1.01
Band II	3.50	3.20	6.36	6.36	0.36	0.36
Band III	3.00	4.20	6.63	6.63	0.63	0.63

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
Hygrometer	Testo	DTM-303A	TP157075	N/A	Nov. 05, 2018	Feb. 21, 2019~ Apr. 23, 2019	Nov. 04, 2019	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	1132003	N/A	Aug. 16, 2018	Feb. 21, 2019~ Apr. 23, 2019	Aug. 15, 2019	Conducted (TH05-HY)
Power Sensor	DARE	RadiPower	15I00041SNO09	10MHz~6GHz	May 07, 2018	Mar. 04, 2019~ Apr. 23, 2019	May 06, 2019	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1126017	300MHz~40GHz	Aug. 16, 2018	Feb. 21, 2019~ Apr. 23, 2019	Aug. 15, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 21, 2018	Feb. 21, 2019~ Apr. 23, 2019	Nov. 20, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV 30	100895	9kHz~30GHz	Apr. 20, 2018	Mar. 04, 2019~ Apr. 23, 2019	Apr. 19, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Apr. 17, 2018	Feb. 21, 2019~ Apr. 15, 2019	Apr. 16, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Apr. 15, 2019~ Apr. 23, 2019	Mar. 26, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 12, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Mar. 12, 2019	Nov. 11, 2019	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 15, 2018	Mar. 12, 2019	Mar. 14, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Mar. 12, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Mar. 12, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 12, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Mar. 12, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Mar. 12, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 07, 2019	Mar. 21, 2019~ Apr. 03, 2019	Jan. 06, 2020	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Mar. 21, 2019~ Apr. 03, 2019	Dec. 05, 2019	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00802N1D01N-06	47020&06	30MHz to 1GHz	Oct. 13, 2018	Mar. 21, 2019~ Apr. 03, 2019	Oct. 12, 2019	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1620	1G~18GHz	Oct. 17, 2018	Mar. 21, 2019~ Apr. 03, 2019	Oct. 16, 2019	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	May 08, 2018	Mar. 21, 2019~ Apr. 03, 2019	May 07, 2019	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 28, 2018	Mar. 21, 2019~ Apr. 03, 2019	Dec. 27, 2019	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	17100018000550006	1GHz~18GHz	Jul. 10, 2018	Mar. 21, 2019~ Apr. 03, 2019	Jul. 09, 2019	Radiation (03CH15-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 23, 2018	Mar. 21, 2019~ Apr. 03, 2019	Aug. 22, 2019	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2018	Mar. 21, 2019~ Apr. 03, 2019	Oct. 31, 2019	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	Apr. 25, 2018	Mar. 21, 2019~ Apr. 03, 2019	Apr. 24, 2019	Radiation (03CH15-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Mar. 21, 2019~ Apr. 03, 2019	N/A	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 21, 2019~ Apr. 03, 2019	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 21, 2019~ Apr. 03, 2019	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24	RK-000451	N/A	N/A	Mar. 21, 2019~ Apr. 03, 2019	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M-18G	Apr. 16, 2018	Mar. 21, 2019~ Apr. 03, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4	30M-18G	Apr. 16, 2018	Mar. 21, 2019~ Apr. 03, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	MTJ	000000-MT18A-100D3210	30M-18G	Apr. 16, 2018	Mar. 21, 2019~ Apr. 03, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 13, 2019	Mar. 21, 2019~ Apr. 03, 2019	Mar. 12, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 13, 2019	Mar. 21, 2019~ Apr. 03, 2019	Mar. 12, 2020	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN3	6.75 GHz Highpass	Sep. 16, 2018	Mar. 21, 2019~ Apr. 03, 2019	Sep. 15, 2019	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1G Low Pass	Sep. 16, 2018	Mar. 21, 2019~ Apr. 03, 2019	Sep. 15, 2019	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN1	3 GHz Highpass	Sep. 16, 2018	Mar. 21, 2019~ Apr. 03, 2019	Sep. 15, 2019	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN1	N/A	Jul. 22, 2018	Mar. 21, 2019~ Apr. 03, 2019	Jul. 21, 2019	Radiation (03CH15-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.20**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.20**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.50**

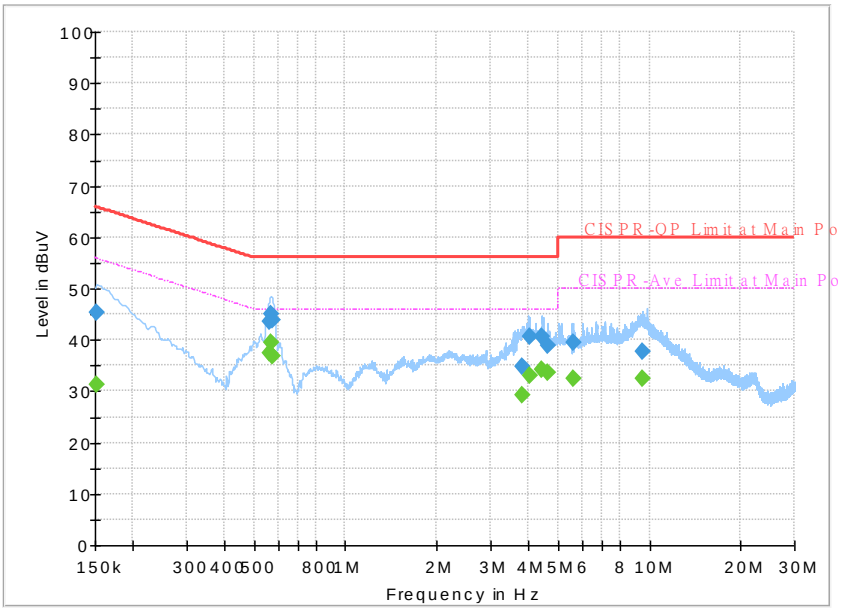
Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.20**

Appendix A. AC Conducted Emission Test Results

Test Engineer :	Rick Lin	Temperature :	22~24℃
		Relative Humidity :	55~58%
Test Voltage :	120Vac / 60Hz	Phase :	Line

Full Spectrum

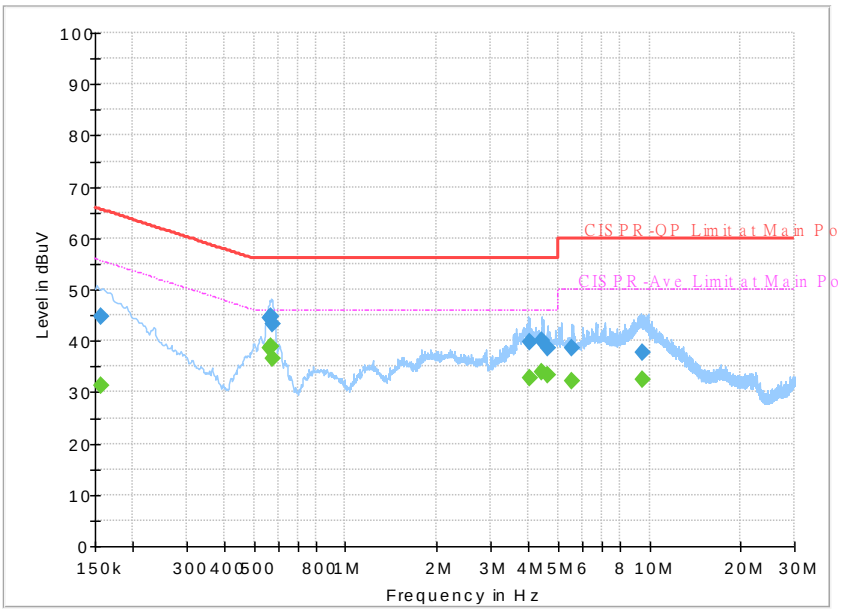


Final Result :

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	31.40	55.88	24.48	L1	OFF	19.5
0.152250	45.22	---	65.88	20.66	L1	OFF	19.5
0.559500	---	37.28	46.00	8.72	L1	OFF	19.5
0.559500	43.65	---	56.00	12.35	L1	OFF	19.5
0.568500	---	39.49	46.00	6.51	L1	OFF	19.5
0.568500	45.06	---	56.00	10.94	L1	OFF	19.5
0.577500	---	36.92	46.00	9.08	L1	OFF	19.5
0.577500	43.75	---	56.00	12.25	L1	OFF	19.5
3.817500	---	29.11	46.00	16.89	L1	OFF	19.6
3.817500	34.78	---	56.00	21.22	L1	OFF	19.6
4.020000	---	32.97	46.00	13.03	L1	OFF	19.6
4.020000	40.62	---	56.00	15.38	L1	OFF	19.6
4.443000	---	34.35	46.00	11.65	L1	OFF	19.6
4.443000	40.59	---	56.00	15.41	L1	OFF	19.6
4.638750	---	33.69	46.00	12.31	L1	OFF	19.6
4.638750	38.81	---	56.00	17.19	L1	OFF	19.6
5.588250	---	32.52	50.00	17.48	L1	OFF	19.6
5.588250	39.34	---	60.00	20.66	L1	OFF	19.6
9.456000	---	32.55	50.00	17.45	L1	OFF	19.7
9.456000	37.81	---	60.00	22.19	L1	OFF	19.7

Test Engineer :	Rick Lin	Temperature :	22~24℃
		Relative Humidity :	55~58%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral

Full Spectrum



Final Result :

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	31.40	55.63	24.23	N	OFF	19.5
0.156750	44.82	---	65.63	20.81	N	OFF	19.5
0.564000	---	38.71	46.00	7.29	N	OFF	19.5
0.564000	44.47	---	56.00	11.53	N	OFF	19.5
0.570750	---	38.88	46.00	7.12	N	OFF	19.5
0.570750	44.72	---	56.00	11.28	N	OFF	19.5
0.577500	---	36.57	46.00	9.43	N	OFF	19.5
0.577500	43.41	---	56.00	12.59	N	OFF	19.5
4.017750	---	32.89	46.00	13.11	N	OFF	19.6
4.017750	39.89	---	56.00	16.11	N	OFF	19.6
4.443000	---	34.06	46.00	11.94	N	OFF	19.6
4.443000	40.18	---	56.00	15.82	N	OFF	19.6
4.641000	---	33.22	46.00	12.78	N	OFF	19.6
4.641000	38.61	---	56.00	17.39	N	OFF	19.6
5.559000	---	32.16	50.00	17.84	N	OFF	19.6
5.559000	38.74	---	60.00	21.26	N	OFF	19.6
9.456000	---	32.41	50.00	17.59	N	OFF	19.7
9.456000	37.72	---	60.00	22.28	N	OFF	19.7

Appendix B. Radiated Spurious Emission

Test Engineer :	Watt Tseng、Karl Hou 、BigShow Wang	Temperature :	24~26°C
		Relative Humidity :	52~57%

<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		5150	59.38	-14.62	74	49.04	31.8	8.64	30.1	100	283	P	H
		5150	51.62	-2.38	54	41.28	31.8	8.64	30.1	100	283	A	H
	*	5180	114.88	-	-	104.66	31.67	8.65	30.1	100	283	P	H
	*	5180	107.17	-	-	96.95	31.67	8.65	30.1	100	283	A	H
													H
		5147.42	53.19	-20.81	74	42.86	31.8	8.63	30.1	400	340	P	V
		5149.5	46.04	-7.96	54	35.71	31.8	8.63	30.1	400	340	A	V
	*	5180	108.97	-	-	98.75	31.67	8.65	30.1	400	340	P	V
	*	5180	101.48	-	-	91.26	31.67	8.65	30.1	400	340	A	V
													V
802.11a CH 44 5220MHz		5146.38	52.36	-21.64	74	42.03	31.8	8.63	30.1	311	275	P	H
		5150	44.07	-9.93	54	33.73	31.8	8.64	30.1	311	275	A	H
	*	5220	118.26	-	-	108.14	31.53	8.7	30.11	311	275	P	H
	*	5220	110.55	-	-	100.43	31.53	8.7	30.11	311	275	A	H
		5356.96	52.03	-21.97	74	41.74	31.4	9.01	30.12	311	275	P	H
		5376	42.63	-11.37	54	32.23	31.47	9.06	30.13	311	275	A	H
		5010.4	50.87	-23.13	74	40.68	31.7	8.57	30.08	398	0	P	V
		5104.26	41.07	-12.93	54	30.65	31.9	8.61	30.09	398	0	A	V
	*	5220	110.26	-	-	100.14	31.53	8.7	30.11	398	0	P	V
	*	5220	102.42	-	-	92.3	31.53	8.7	30.11	398	0	A	V
		5451.04	49.73	-24.27	74	39.05	31.7	9.12	30.14	398	0	P	V
		5457.76	41.21	-12.79	54	30.53	31.7	9.12	30.14	398	0	A	V

802.11a CH 48 5240MHz		5075.92	51.64	-22.36	74	41.23	31.9	8.6	30.09	296	274	P	H
		5143.78	41.84	-12.16	54	31.51	31.8	8.63	30.1	296	274	A	H
	*	5240	118.32	-	-	108.21	31.47	8.75	30.11	296	274	P	H
	*	5240	110.69	-	-	100.58	31.47	8.75	30.11	296	274	A	H
		5351.64	52.51	-21.49	74	42.23	31.4	9	30.12	296	274	P	H
		5376	42.78	-11.22	54	32.38	31.47	9.06	30.13	296	274	A	H
		5062.14	50.24	-23.76	74	39.84	31.9	8.59	30.09	394	10	P	V
		5043.42	40.88	-13.12	54	30.49	31.9	8.58	30.09	394	10	A	V
	*	5240	109.81	-	-	99.7	31.47	8.75	30.11	394	10	P	V
	*	5240	102.13	-	-	92.02	31.47	8.75	30.11	394	10	A	V
		5441.52	50.19	-23.81	74	39.53	31.67	9.12	30.13	394	10	P	V
		5362.84	41.19	-12.81	54	30.81	31.47	9.03	30.12	394	10	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	46.23	-21.97	68.2	54.88	39.37	13.33	61.35	100	0	P	H
		15540	45.8	-28.2	74	53.64	37.93	16.67	62.44	100	0	P	H
													H
													H
		10360	46.53	-21.67	68.2	55.18	39.37	13.33	61.35	100	0	P	V
		15540	45.61	-28.39	74	53.45	37.93	16.67	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.26	-21.94	68.2	54.84	39.53	13.38	61.49	100	0	P	H
		15660	45.99	-28.01	74	53.91	37.45	16.87	62.24	100	0	P	H
													H
													H
		10440	46.4	-21.8	68.2	54.98	39.53	13.38	61.49	100	0	P	V
		15660	45.7	-28.3	74	53.62	37.45	16.87	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.26	-21.94	68.2	54.84	39.58	13.4	61.56	100	0	P	H
		15720	46.66	-27.34	74	54.56	37.3	16.95	62.15	100	0	P	H
													H
													H
		10480	46.67	-21.53	68.2	55.25	39.58	13.4	61.56	100	0	P	V
		15720	46.62	-27.38	74	54.52	37.3	16.95	62.15	100	0	P	V
													V
													V

Remark

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

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150	58.75	-15.25	74	48.41	31.8	8.64	30.1	303	279	P	H
		5149.76	51.07	-2.93	54	40.74	31.8	8.63	30.1	303	279	A	H
	*	5180	115.31	-	-	105.09	31.67	8.65	30.1	303	279	P	H
	*	5180	107.58	-	-	97.36	31.67	8.65	30.1	303	279	A	H
802.11n													H
HT20													H
CH 36		5149.76	51.9	-22.1	74	41.57	31.8	8.63	30.1	400	343	P	V
5180MHz		5149.76	44.54	-9.46	54	34.21	31.8	8.63	30.1	400	343	A	V
	*	5180	108.69	-	-	98.47	31.67	8.65	30.1	400	343	P	V
	*	5180	100.93	-	-	90.71	31.67	8.65	30.1	400	343	A	V
													V
													V
		5148.72	55.39	-18.61	74	45.06	31.8	8.63	30.1	313	276	P	H
		5149.24	45.28	-8.72	54	34.95	31.8	8.63	30.1	313	276	A	H
	*	5220	118.7	-	-	108.58	31.53	8.7	30.11	313	276	P	H
	*	5220	110.72	-	-	100.6	31.53	8.7	30.11	313	276	A	H
802.11n		5391.4	52.01	-21.99	74	41.52	31.53	9.09	30.13	313	276	P	H
HT20		5354.44	42.62	-11.38	54	32.33	31.4	9.01	30.12	313	276	A	H
CH 44		5150	51.06	-22.94	74	40.72	31.8	8.64	30.1	397	349	P	V
5220MHz		5149.76	41.52	-12.48	54	31.19	31.8	8.63	30.1	397	349	A	V
	*	5220	111.35	-	-	101.23	31.53	8.7	30.11	397	349	P	V
	*	5220	103.08	-	-	92.96	31.53	8.7	30.11	397	349	A	V
		5444.6	50.1	-23.9	74	39.44	31.67	9.12	30.13	397	349	P	V
		5354.72	41.08	-12.92	54	30.79	31.4	9.01	30.12	397	349	A	V

		5146.38	50.11	-23.89	74	39.78	31.8	8.63	30.1	313	278	P	H
		5148.2	41.89	-12.11	54	31.56	31.8	8.63	30.1	313	278	A	H
	*	5240	118.6	-	-	108.49	31.47	8.75	30.11	313	278	P	H
	*	5240	110.51	-	-	100.4	31.47	8.75	30.11	313	278	A	H
802.11n		5364.52	51.43	-22.57	74	41.05	31.47	9.03	30.12	313	278	P	H
HT20		5353.32	42.88	-11.12	54	32.6	31.4	9	30.12	313	278	A	H
CH 48		5009.88	50.77	-23.23	74	40.59	31.7	8.56	30.08	394	354	P	V
5240MHz		5087.1	40.97	-13.03	54	30.56	31.9	8.6	30.09	394	354	A	V
	*	5240	110.8	-	-	100.69	31.47	8.75	30.11	394	354	P	V
	*	5240	102.59	-	-	92.48	31.47	8.75	30.11	394	354	A	V
		5370.4	50.03	-23.97	74	39.64	31.47	9.04	30.12	394	354	P	V
		5426.68	41.11	-12.89	54	30.49	31.63	9.12	30.13	394	354	A	V

Remark

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

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	46.38	-21.82	68.2	55.03	39.37	13.33	61.35	100	0	P	H
		15540	45.61	-28.39	74	53.45	37.93	16.67	62.44	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	46.84	-21.36	68.2	55.49	39.37	13.33	61.35	100	0	P	V
5180MHz		15540	45.34	-28.66	74	53.18	37.93	16.67	62.44	100	0	P	V
													V
													V
		10440	46.39	-21.81	68.2	54.97	39.53	13.38	61.49	100	0	P	H
		15660	44.76	-29.24	74	52.68	37.45	16.87	62.24	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	46.19	-22.01	68.2	54.77	39.53	13.38	61.49	100	0	P	V
5220MHz		15660	45.71	-28.29	74	53.63	37.45	16.87	62.24	100	0	P	V
													V
													V
		10480	46.58	-21.62	68.2	55.16	39.58	13.4	61.56	100	0	P	H
		15720	45.04	-28.96	74	52.94	37.3	16.95	62.15	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	46.52	-21.68	68.2	55.1	39.58	13.4	61.56	100	0	P	V
5240MHz		15720	45.24	-28.76	74	53.14	37.3	16.95	62.15	100	0	P	V
													V
													V

Remark

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

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5146.9	57.95	-16.05	74	47.62	31.8	8.63	30.1	316	274	P	H
		5149.76	51.04	-2.96	54	40.71	31.8	8.63	30.1	316	274	A	H
	*	5190	109.42	-	-	99.2	31.67	8.65	30.1	316	274	P	H
	*	5190	101.59	-	-	91.37	31.67	8.65	30.1	316	274	A	H
802.11n		5376.84	51.46	-22.54	74	41.06	31.47	9.06	30.13	316	274	P	H
HT40		5376	43.13	-10.87	54	32.73	31.47	9.06	30.13	316	274	A	H
CH 38		5124.8	50.63	-23.37	74	40.28	31.83	8.62	30.1	400	347	P	V
5190MHz		5150	43.89	-10.11	54	33.55	31.8	8.64	30.1	400	347	A	V
	*	5190	103.04	-	-	92.82	31.67	8.65	30.1	400	347	P	V
	*	5190	95.18	-	-	84.96	31.67	8.65	30.1	400	347	A	V
		5379.36	50.38	-23.62	74	39.92	31.53	9.06	30.13	400	347	P	V
		5457.48	41.96	-12.04	54	31.28	31.7	9.12	30.14	400	347	A	V
		5149.24	58.2	-15.8	74	47.87	31.8	8.63	30.1	314	265	P	H
		5150	50.91	-3.09	54	40.57	31.8	8.64	30.1	314	265	A	H
	*	5230	115.01	-	-	104.92	31.47	8.73	30.11	314	265	P	H
	*	5230	107.12	-	-	97.03	31.47	8.73	30.11	314	265	A	H
802.11n		5364.52	53.3	-20.7	74	42.92	31.47	9.03	30.12	314	265	P	H
HT40		5350.24	45.82	-8.18	54	35.54	31.4	9	30.12	314	265	A	H
CH 46		5135.46	52.04	-21.96	74	41.68	31.83	8.63	30.1	397	2	P	V
5230MHz		5149.24	43.46	-10.54	54	33.13	31.8	8.63	30.1	397	2	A	V
	*	5230	106.72	-	-	96.63	31.47	8.73	30.11	397	2	P	V
	*	5230	98.72	-	-	88.63	31.47	8.73	30.11	397	2	A	V
		5372.64	50.35	-23.65	74	39.95	31.47	9.05	30.12	397	2	P	V
		5364.24	42.05	-11.95	54	31.67	31.47	9.03	30.12	397	2	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	46.47	-21.73	68.2	55.08	39.43	13.34	61.38	100	0	P	H
		15570	45.41	-28.59	74	53.3	37.77	16.73	62.39	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	45.92	-22.28	68.2	54.53	39.43	13.34	61.38	100	0	P	V
5190MHz		15570	45.71	-28.29	74	53.6	37.77	16.73	62.39	100	0	P	V
													V
													V
		10460	45.91	-22.29	68.2	54.5	39.55	13.39	61.53	100	0	P	H
		15690	45.07	-28.93	74	53	37.35	16.92	62.2	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	46.52	-21.68	68.2	55.11	39.55	13.39	61.53	100	0	P	V
5230MHz		15690	45.1	-28.9	74	53.03	37.35	16.92	62.2	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.08	58.33	-15.67	74	48	31.8	8.63	30.1	314	281	P	H
		5150	50.43	-3.57	54	40.09	31.8	8.64	30.1	314	281	A	H
	*	5210	106.47	-	-	96.37	31.53	8.68	30.11	314	281	P	H
	*	5210	98.78	-	-	88.68	31.53	8.68	30.11	314	281	A	H
802.11ac		5375.44	51.39	-22.61	74	41	31.47	9.05	30.13	314	281	P	H
VHT80		5376	44.07	-9.93	54	33.67	31.47	9.06	30.13	314	281	A	H
CH 42		5085.8	50.75	-23.25	74	40.34	31.9	8.6	30.09	399	1	P	V
5210MHz		5149.24	42.51	-11.49	54	32.18	31.8	8.63	30.1	399	1	A	V
	*	5210	98.78	-	-	88.68	31.53	8.68	30.11	399	1	P	V
	*	5210	91.21	-	-	81.11	31.53	8.68	30.11	399	1	A	V
		5437.04	50.3	-23.7	74	39.64	31.67	9.12	30.13	399	1	P	V
		5437.04	42.04	-11.96	54	31.38	31.67	9.12	30.13	399	1	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.3	-21.9	68.2	54.88	39.52	13.36	61.46	100	0	P	H
		15630	45.04	-28.96	74	53.01	37.5	16.82	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	47.05	-21.15	68.2	55.63	39.52	13.36	61.46	100	0	P	V
5210MHz		15630	45.47	-28.53	74	53.44	37.5	16.82	62.29	100	0	P	V
													V
													V

Remark

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

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI 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		5146.2	50.64	-23.36	74	40.31	31.8	8.63	30.1	327	277	P	H
		5146.2	41.55	-12.45	54	31.22	31.8	8.63	30.1	327	277	A	H
	*	5260	118.48	-	-	108.39	31.4	8.8	30.11	327	277	P	H
	*	5260	110.82	-	-	100.73	31.4	8.8	30.11	327	277	A	H
		5362.08	52.57	-21.43	74	42.2	31.47	9.02	30.12	327	277	P	H
		5354.64	43.6	-10.4	54	33.31	31.4	9.01	30.12	327	277	A	H
		5108.12	51.02	-22.98	74	40.63	31.87	8.61	30.09	383	326	P	V
		5075.82	40.95	-13.05	54	30.54	31.9	8.6	30.09	383	326	A	V
	*	5260	110.56	-	-	100.47	31.4	8.8	30.11	383	326	P	V
	*	5260	102.87	-	-	92.78	31.4	8.8	30.11	383	326	A	V
		5355.12	50.07	-23.93	74	39.78	31.4	9.01	30.12	383	326	P	V
		5419.44	41.22	-12.78	54	30.61	31.63	9.11	30.13	383	326	A	V
802.11a CH 60 5300MHz		5081.6	50.43	-23.57	74	40.02	31.9	8.6	30.09	305	272	P	H
		5090.78	40.99	-13.01	54	30.57	31.9	8.61	30.09	305	272	A	H
	*	5300	118.42	-	-	108.25	31.4	8.89	30.12	305	272	P	H
	*	5300	110.84	-	-	100.67	31.4	8.89	30.12	305	272	A	H
		5350.56	57.74	-16.26	74	47.46	31.4	9	30.12	305	272	P	H
		5350.08	48.92	-5.08	54	38.64	31.4	9	30.12	305	272	A	H
		5031.96	50.21	-23.79	74	39.91	31.8	8.58	30.08	400	314	P	V
		5090.78	40.88	-13.12	54	30.46	31.9	8.61	30.09	400	314	A	V
	*	5300	109.91	-	-	99.74	31.4	8.89	30.12	400	314	P	V
	*	5300	102.52	-	-	92.35	31.4	8.89	30.12	400	314	A	V
		5358.24	50.73	-23.27	74	40.43	31.4	9.02	30.12	400	314	P	V
		5352	41.71	-12.29	54	31.43	31.4	9	30.12	400	314	A	V

802.11a CH 64 5320MHz	*	5320	115.61	-	-	105.4	31.4	8.93	30.12	100	281	P	H
	*	5320	108.08	-	-	97.87	31.4	8.93	30.12	100	281	A	H
		5350.4	61.65	-12.35	74	51.37	31.4	9	30.12	100	281	P	H
		5350.08	52.45	-1.55	54	42.17	31.4	9	30.12	100	281	A	H
													H
													H
	*	5320	108.5	-	-	98.29	31.4	8.93	30.12	400	347	P	V
	*	5320	101.06	-	-	90.85	31.4	8.93	30.12	400	347	A	V
		5350.08	53.49	-20.51	74	43.21	31.4	9	30.12	400	347	P	V
		5350.4	45.94	-8.06	54	35.66	31.4	9	30.12	400	347	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.53	-21.67	68.2	55.11	39.63	13.41	61.62	100	0	P	H
		15780	46.1	-27.9	74	53.82	37.3	17.03	62.05	100	0	P	H
													H
													H
		10520	47.04	-21.16	68.2	55.62	39.63	13.41	61.62	100	0	P	V
		15780	45.98	-28.02	74	53.7	37.3	17.03	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	48.28	-25.72	74	56.76	39.8	13.4	61.68	100	0	P	H
		15900	46.49	-27.51	74	54.16	37	17.19	61.86	100	0	P	H
													H
													H
		10600	48.86	-25.14	74	57.34	39.8	13.4	61.68	100	0	P	V
		15900	45.59	-28.41	74	53.26	37	17.19	61.86	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	48.22	-25.78	74	56.73	39.8	13.4	61.71	100	0	P	H
		15960	45.56	-28.44	74	53.22	36.93	17.17	61.76	100	0	P	H
													H
													H
		10640	48.47	-25.53	74	56.98	39.8	13.4	61.71	100	0	P	V
		15960	45.15	-28.85	74	52.81	36.93	17.17	61.76	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5028.22	50.08	-23.92	74	39.79	31.8	8.57	30.08	292	269	P	H
		5133.28	41.62	-12.38	54	31.26	31.83	8.63	30.1	292	269	A	H
	*	5260	118.52	-	-	108.43	31.4	8.8	30.11	292	269	P	H
	*	5260	110.26	-	-	100.17	31.4	8.8	30.11	292	269	A	H
802.11n		5354.88	52.57	-21.43	74	42.28	31.4	9.01	30.12	292	269	P	H
HT20		5351.28	44.16	-9.84	54	33.88	31.4	9	30.12	292	269	A	H
CH 52		5048.28	50.17	-23.83	74	39.78	31.9	8.58	30.09	384	323	P	V
5260MHz		5080.24	41.04	-12.96	54	30.63	31.9	8.6	30.09	384	323	A	V
	*	5260	109.65	-	-	99.56	31.4	8.8	30.11	384	323	P	V
	*	5260	101.75	-	-	91.66	31.4	8.8	30.11	384	323	A	V
		5374.08	50.33	-23.67	74	39.94	31.47	9.05	30.13	384	323	P	V
		5357.28	41.17	-12.83	54	30.88	31.4	9.01	30.12	384	323	A	V
		5087.04	50.7	-23.3	74	40.29	31.9	8.6	30.09	306	266	P	H
		5078.88	41.26	-12.74	54	30.85	31.9	8.6	30.09	306	266	A	H
	*	5300	118.3	-	-	108.13	31.4	8.89	30.12	306	266	P	H
	*	5300	110.59	-	-	100.42	31.4	8.89	30.12	306	266	A	H
802.11n		5351.52	57.57	-16.43	74	47.29	31.4	9	30.12	306	266	P	H
HT20		5350.08	49.15	-4.85	54	38.87	31.4	9	30.12	306	266	A	H
CH 60		5140.08	50.53	-23.47	74	40.2	31.8	8.63	30.1	399	315	P	V
5300MHz		5055.08	41.07	-12.93	54	30.67	31.9	8.59	30.09	399	315	A	V
	*	5300	109.63	-	-	99.46	31.4	8.89	30.12	399	315	P	V
	*	5300	101.78	-	-	91.61	31.4	8.89	30.12	399	315	A	V
		5350.32	52.13	-21.87	74	41.85	31.4	9	30.12	399	315	P	V
		5356.32	42.03	-11.97	54	31.74	31.4	9.01	30.12	399	315	A	V

	*	5320	116.11	-	-	105.9	31.4	8.93	30.12	320	283	P	H
	*	5320	108.57	-	-	98.36	31.4	8.93	30.12	320	283	A	H
		5351.2	59.48	-14.52	74	49.2	31.4	9	30.12	320	283	P	H
		5350.4	51.68	-2.32	54	41.4	31.4	9	30.12	320	283	A	H
802.11n													H
HT20													H
CH 64	*	5320	107.55	-	-	97.34	31.4	8.93	30.12	382	355	P	V
5320MHz	*	5320	100.06	-	-	89.85	31.4	8.93	30.12	382	355	A	V
		5369.12	52.66	-21.34	74	42.27	31.47	9.04	30.12	382	355	P	V
		5350.24	44.5	-9.5	54	34.22	31.4	9	30.12	382	355	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	46.19	-22.01	68.2	54.77	39.63	13.41	61.62	100	0	P	H
		15780	44.77	-29.23	74	52.49	37.3	17.03	62.05	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	46.06	-22.14	68.2	54.64	39.63	13.41	61.62	100	0	P	V
5260MHz		15780	45.16	-28.84	74	52.88	37.3	17.03	62.05	100	0	P	V
													V
													V
		10600	48.49	-25.51	74	56.97	39.8	13.4	61.68	100	0	P	H
		15900	45.36	-28.64	74	53.03	37	17.19	61.86	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	48.76	-25.24	74	57.24	39.8	13.4	61.68	100	0	P	V
5300MHz		15900	45.13	-28.87	74	52.8	37	17.19	61.86	100	0	P	V
													V
													V
		10640	47.43	-26.57	74	55.94	39.8	13.4	61.71	100	0	P	H
		15960	44.4	-29.6	74	52.06	36.93	17.17	61.76	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	47.97	-26.03	74	56.48	39.8	13.4	61.71	100	0	P	V
5320MHz		15960	44.8	-29.2	74	52.46	36.93	17.17	61.76	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5143.14	51.87	-22.13	74	41.54	31.8	8.63	30.1	308	270	P	H
		5149.6	43.87	-10.13	54	33.54	31.8	8.63	30.1	308	270	A	H
	*	5270	115.14	-	-	105.03	31.4	8.82	30.11	308	270	P	H
	*	5270	107.17	-	-	97.06	31.4	8.82	30.11	308	270	A	H
802.11n		5350.08	60.24	-13.76	74	49.96	31.4	9	30.12	308	270	P	H
HT40		5350.08	52.58	-1.42	54	42.3	31.4	9	30.12	308	270	A	H
CH 54		5082.28	51.17	-22.83	74	40.76	31.9	8.6	30.09	384	322	P	V
5270MHz		5095.88	41.71	-12.29	54	31.29	31.9	8.61	30.09	384	322	A	V
	*	5270	105.4	-	-	95.29	31.4	8.82	30.11	384	322	P	V
	*	5270	97.99	-	-	87.88	31.4	8.82	30.11	384	322	A	V
		5350.8	52.61	-21.39	74	42.33	31.4	9	30.12	384	322	P	V
		5350.8	44.12	-9.88	54	33.84	31.4	9	30.12	384	322	A	V
		5079.22	50.24	-23.76	74	39.83	31.9	8.6	30.09	307	266	P	H
		5149.94	42.05	-11.95	54	31.72	31.8	8.63	30.1	307	266	A	H
	*	5310	109.81	-	-	99.62	31.4	8.91	30.12	307	266	P	H
	*	5310	101.73	-	-	91.54	31.4	8.91	30.12	307	266	A	H
802.11n		5350.56	58.55	-15.45	74	48.27	31.4	9	30.12	307	266	P	H
HT40		5350.08	51.81	-2.19	54	41.53	31.4	9	30.12	307	266	A	H
CH 62		5018.02	49.66	-24.34	74	39.47	31.7	8.57	30.08	375	315	P	V
5310MHz		5079.22	41.75	-12.25	54	31.34	31.9	8.6	30.09	375	315	A	V
	*	5310	100.94	-	-	90.75	31.4	8.91	30.12	375	315	P	V
	*	5310	93.06	-	-	82.87	31.4	8.91	30.12	375	315	A	V
		5350.56	51.45	-22.55	74	41.17	31.4	9	30.12	375	315	P	V
		5350.32	43.27	-10.73	54	32.99	31.4	9	30.12	375	315	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	45.73	-22.47	68.2	54.28	39.67	13.41	61.63	100	0	P	H
		15810	45.41	-28.59	74	53.03	37.3	17.08	62	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	46.09	-22.11	68.2	54.64	39.67	13.41	61.63	100	0	P	V
5270MHz		15810	44.06	-29.94	74	51.68	37.3	17.08	62	100	0	P	V
													V
													V
		10620	47.36	-26.64	74	55.85	39.8	13.41	61.7	100	0	P	H
		15930	44.93	-29.07	74	52.58	36.97	17.19	61.81	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	47.24	-26.76	74	55.73	39.8	13.41	61.7	100	0	P	V
5310MHz		15930	44.55	-29.45	74	52.2	36.97	17.19	61.81	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5110.5	50.45	-23.55	74	40.05	31.87	8.62	30.09	341	265	P	H
		5098.26	41.88	-12.12	54	31.46	31.9	8.61	30.09	341	265	A	H
	*	5290	105.15	-	-	95	31.4	8.86	30.11	341	265	P	H
	*	5290	97.67	-	-	87.52	31.4	8.86	30.11	341	265	A	H
		5350.8	59.7	-14.3	74	49.42	31.4	9	30.12	341	265	P	H
		5352.72	52.01	-1.99	54	41.73	31.4	9	30.12	341	265	A	H
		5019.04	49.63	-24.37	74	39.44	31.7	8.57	30.08	400	315	P	V
		5127.16	41.61	-12.39	54	31.26	31.83	8.62	30.1	400	315	A	V
	*	5290	96.72	-	-	86.57	31.4	8.86	30.11	400	315	P	V
	*	5290	89.13	-	-	78.98	31.4	8.86	30.11	400	315	A	V
		5359.2	51.03	-22.97	74	40.73	31.4	9.02	30.12	400	315	P	V
		5350.56	43.67	-10.33	54	33.39	31.4	9	30.12	400	315	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.54	-21.66	68.2	55.02	39.77	13.41	61.66	100	0	P	H
		15870	44.45	-29.55	74	52.14	37.06	17.16	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	47.17	-21.03	68.2	55.65	39.77	13.41	61.66	100	0	P	V
5290MHz		15870	43.68	-30.32	74	51.37	37.06	17.16	61.91	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.6	55.34	-18.66	74	44.66	31.7	9.12	30.14	100	284	P	H
		5463.44	56.93	-11.27	68.2	46.25	31.7	9.12	30.14	100	284	P	H
		5456.56	46.68	-7.32	54	36	31.7	9.12	30.14	100	284	A	H
	*	5500	114.25	-	-	103.56	31.7	9.13	30.14	100	284	P	H
	*	5500	106.85	-	-	96.16	31.7	9.13	30.14	100	284	A	H
													H
		5398.96	51.87	-22.13	74	41.29	31.6	9.11	30.13	397	350	P	V
		5463.12	51.23	-16.97	68.2	40.55	31.7	9.12	30.14	397	350	P	V
		5459.28	42.05	-11.95	54	31.37	31.7	9.12	30.14	397	350	A	V
	*	5500	106.97	-	-	96.28	31.7	9.13	30.14	397	350	P	V
	*	5500	99.57	-	-	88.88	31.7	9.13	30.14	397	350	A	V
													V
802.11a CH 116 5580MHz		5459.44	51.09	-22.91	74	40.41	31.7	9.12	30.14	322	277	P	H
		5464.48	51.68	-16.52	68.2	41	31.7	9.12	30.14	322	277	P	H
		5454.4	42.55	-11.45	54	31.87	31.7	9.12	30.14	322	277	A	H
	*	5580	115.26	-	-	104.5	31.8	9.15	30.19	322	277	P	H
	*	5580	107.74	-	-	96.98	31.8	9.15	30.19	322	277	A	H
		5734.13	52.28	-15.92	68.2	41.22	31.93	9.4	30.27	322	277	P	H
		5442.64	49.89	-24.11	74	39.23	31.67	9.12	30.13	398	316	P	V
		5469.28	49.39	-18.81	68.2	38.71	31.7	9.12	30.14	398	316	P	V
		5449.84	41.24	-12.76	54	30.56	31.7	9.12	30.14	398	316	A	V
	*	5580	106.25	-	-	95.49	31.8	9.15	30.19	398	316	P	V
	*	5580	98.67	-	-	87.91	31.8	9.15	30.19	398	316	A	V
		5734.76	49.47	-18.73	68.2	38.34	32	9.4	30.27	398	316	P	V

802.11a CH 140 5700MHz	*	5700	113.63	-	-	102.74	31.8	9.34	30.25	100	291	P	H
	*	5700	106.09	-	-	95.2	31.8	9.34	30.25	100	291	A	H
		5725	66.6	-1.6	68.2	55.55	31.93	9.38	30.26	100	291	P	H
													H
													H
													H
	*	5700	106.03	-	-	95.14	31.8	9.34	30.25	397	325	P	V
	*	5700	98.15	-	-	87.26	31.8	9.34	30.25	397	325	A	V
		5725.56	58.3	-9.9	68.2	47.25	31.93	9.38	30.26	397	325	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	56.27	-17.73	74	64.43	40.4	13.44	62	270	164	P	H
		11000	45.39	-8.61	54	53.55	40.4	13.44	62	270	164	A	H
		16500	46.44	-21.76	68.2	50.23	38.6	17.21	59.6	100	0	P	H
													H
		11000	60.57	-13.43	74	68.73	40.4	13.44	62	394	166	P	V
		11000	50.61	-3.39	54	58.77	40.4	13.44	62	394	166	A	V
		16500	47.18	-21.02	68.2	50.97	38.6	17.21	59.6	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	54.83	-19.17	74	62.91	39.93	13.67	61.68	244	166	P	H
		11160	44.8	-9.2	54	52.88	39.93	13.67	61.68	244	166	A	H
		16740	47.63	-20.57	68.2	50.07	39.78	17.48	59.7	100	0	P	H
													H
		11160	58.35	-15.65	74	66.43	39.93	13.67	61.68	364	164	P	V
		11160	47.29	-6.71	54	55.37	39.93	13.67	61.68	364	164	A	V
		16740	47.46	-20.74	68.2	49.9	39.78	17.48	59.7	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	54.32	-19.68	74	61.55	40	13.97	61.2	259	163	P	H
		11400	43.77	-10.23	54	51	40	13.97	61.2	259	163	A	H
		17100	48.15	-20.05	68.2	49.67	40.5	17.66	59.68	100	0	P	H
													H
		11400	55.64	-18.36	74	62.87	40	13.97	61.2	385	161	P	V
		11400	45.2	-8.8	54	52.43	40	13.97	61.2	385	161	A	V
		17100	49.1	-19.1	68.2	50.62	40.5	17.66	59.68	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.32	57.45	-16.55	74	46.77	31.7	9.12	30.14	100	282	P	H
		5466.64	61.36	-6.84	68.2	50.68	31.7	9.12	30.14	100	282	P	H
		5460	47.83	-6.17	54	37.15	31.7	9.12	30.14	100	282	A	H
	*	5500	115.02	-	-	104.33	31.7	9.13	30.14	100	282	P	H
802.11n	*	5500	107.46	-	-	96.77	31.7	9.13	30.14	100	282	A	H
HT20													H
CH 100		5457.36	50.71	-23.29	74	40.03	31.7	9.12	30.14	398	13	P	V
5500MHz		5468.56	54.46	-13.74	68.2	43.78	31.7	9.12	30.14	398	13	P	V
		5459.76	42.33	-11.67	54	31.65	31.7	9.12	30.14	398	13	A	V
	*	5500	107.27	-	-	96.58	31.7	9.13	30.14	398	13	P	V
	*	5500	99.61	-	-	88.92	31.7	9.13	30.14	398	13	A	V
													V
		5435.44	51.68	-22.32	74	41.02	31.67	9.12	30.13	291	288	P	H
		5464	50.1	-18.1	68.2	39.42	31.7	9.12	30.14	291	288	P	H
		5458.48	41.78	-12.22	54	31.1	31.7	9.12	30.14	291	288	A	H
	*	5580	115.88	-	-	105.12	31.8	9.15	30.19	291	288	P	H
802.11n	*	5580	107.46	-	-	96.7	31.8	9.15	30.19	291	288	A	H
HT20		5725.94	51.75	-16.45	68.2	40.7	31.93	9.38	30.26	291	288	P	H
CH 116		5357.68	49.59	-24.41	74	39.3	31.4	9.01	30.12	400	11	P	V
5580MHz		5460.4	49.2	-19	68.2	38.52	31.7	9.12	30.14	400	11	P	V
		5456.56	40.73	-13.27	54	30.05	31.7	9.12	30.14	400	11	A	V
	*	5580	106.23	-	-	95.47	31.8	9.15	30.19	400	11	P	V
	*	5580	98.41	-	-	87.65	31.8	9.15	30.19	400	11	A	V
		5747.36	49.59	-18.61	68.2	38.44	32	9.42	30.27	400	11	P	V

	*	5700	112.61	-	-	101.72	31.8	9.34	30.25	255	288	P	H
	*	5700	104.71	-	-	93.82	31.8	9.34	30.25	255	288	A	H
		5725.4	66.86	-1.34	68.2	55.81	31.93	9.38	30.26	255	288	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	104.07	-	-	93.18	31.8	9.34	30.25	398	328	P	V
5700MHz	*	5700	96.3	-	-	85.41	31.8	9.34	30.25	398	328	A	V
		5725.08	59.25	-8.95	68.2	48.2	31.93	9.38	30.26	398	328	P	V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	57.28	-16.72	74	65.44	40.4	13.44	62	100	236	P	H
		11000	46.01	-7.99	54	54.17	40.4	13.44	62	100	236	A	H
802.11n		16500	46.18	-22.02	68.2	49.97	38.6	17.21	59.6	100	0	P	H
HT20													H
CH 100		11000	63.38	-10.62	74	71.54	40.4	13.44	62	309	170	P	V
5500MHz		11000	50.98	-3.02	54	59.14	40.4	13.44	62	309	170	A	V
		16500	46.29	-21.91	68.2	50.08	38.6	17.21	59.6	100	0	P	V
													V
		11160	56.39	-17.61	74	64.47	39.93	13.67	61.68	100	236	P	H
		11160	46.1	-7.9	54	54.18	39.93	13.67	61.68	100	236	A	H
802.11n		16740	46.56	-21.64	68.2	49	39.78	17.48	59.7	100	0	P	H
HT20													H
CH 116		11160	59.36	-14.64	74	67.44	39.93	13.67	61.68	100	52	P	V
5580MHz		11160	49.27	-4.73	54	57.35	39.93	13.67	61.68	100	52	A	V
		16740	47.44	-20.76	68.2	49.88	39.78	17.48	59.7	100	0	P	V
													V
		11400	49.68	-24.32	74	56.91	40	13.97	61.2	100	0	P	H
		17100	48.17	-20.03	68.2	49.69	40.5	17.66	59.68	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	54.22	-19.78	74	61.45	40	13.97	61.2	100	207	P	V
5700MHz		11400	43.64	-10.36	54	50.87	40	13.97	61.2	100	207	A	V
		17100	48.19	-20.01	68.2	49.71	40.5	17.66	59.68	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.96	59.34	-14.66	74	48.66	31.7	9.12	30.14	295	263	P	H
		5466.16	65.89	-2.31	68.2	55.21	31.7	9.12	30.14	295	263	P	H
		5459.92	51.97	-2.03	54	41.29	31.7	9.12	30.14	295	263	A	H
	*	5510	111.13	-	-	100.45	31.7	9.13	30.15	295	263	P	H
802.11n	*	5510	102.94	-	-	92.26	31.7	9.13	30.15	295	263	A	H
HT40		5729.72	50.61	-17.59	68.2	39.55	31.93	9.39	30.26	295	263	P	H
CH 102		5459.92	52.26	-21.74	74	41.58	31.7	9.12	30.14	397	13	P	V
5510MHz		5470	54.64	-13.56	68.2	43.96	31.7	9.12	30.14	397	13	P	V
		5459.68	43.74	-10.26	54	33.06	31.7	9.12	30.14	397	13	A	V
	*	5510	102.68	-	-	92	31.7	9.13	30.15	397	13	P	V
	*	5510	94.89	-	-	84.21	31.7	9.13	30.15	397	13	A	V
		5737.28	49.98	-18.22	68.2	38.85	32	9.4	30.27	397	13	P	V
		5456.08	54.67	-19.33	74	43.99	31.7	9.12	30.14	293	255	P	H
		5465.92	56.63	-11.57	68.2	45.95	31.7	9.12	30.14	293	255	P	H
		5458.96	47.03	-6.97	54	36.35	31.7	9.12	30.14	293	255	A	H
	*	5550	112.87	-	-	102.1	31.8	9.14	30.17	293	255	P	H
802.11n	*	5550	104.83	-	-	94.06	31.8	9.14	30.17	293	255	A	H
HT40		5739.485	51.64	-16.56	68.2	40.5	32	9.41	30.27	293	255	P	H
CH 110		5449.12	50.77	-23.23	74	40.08	31.7	9.12	30.13	399	327	P	V
5550MHz		5466.16	51.57	-16.63	68.2	40.89	31.7	9.12	30.14	399	327	P	V
		5458.96	42.61	-11.39	54	31.93	31.7	9.12	30.14	399	327	A	V
	*	5550	104.79	-	-	94.02	31.8	9.14	30.17	399	327	P	V
	*	5550	96.79	-	-	86.02	31.8	9.14	30.17	399	327	A	V
		5739.8	49.85	-18.35	68.2	38.71	32	9.41	30.27	399	327	P	V

		5407.05	50.49	-23.51	74	39.91	31.6	9.11	30.13	314	257	P	H
		5461.3	49.6	-18.6	68.2	38.92	31.7	9.12	30.14	314	257	P	H
		5457.8	41.74	-12.26	54	31.06	31.7	9.12	30.14	314	257	A	H
	*	5670	112.61	-	-	101.81	31.75	9.28	30.23	314	257	P	H
802.11n	*	5670	104.71	-	-	93.91	31.75	9.28	30.23	314	257	A	H
HT40		5726.5	66.94	-1.26	68.2	55.89	31.93	9.38	30.26	314	257	P	H
CH 134		5396.2	49.37	-24.63	74	38.8	31.6	9.1	30.13	400	328	P	V
5670MHz		5463.05	49.73	-18.47	68.2	39.05	31.7	9.12	30.14	400	328	P	V
		5450.45	41.48	-12.52	54	30.8	31.7	9.12	30.14	400	328	A	V
	*	5670	104.75	-	-	93.95	31.75	9.28	30.23	400	328	P	V
	*	5670	96.61	-	-	85.81	31.75	9.28	30.23	400	328	A	V
		5725.625	58.59	-9.61	68.2	47.54	31.93	9.38	30.26	400	328	P	V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	48	-26	74	56.16	40.33	13.47	61.96	100	0	P	H
		16530	46.14	-22.06	68.2	49.81	38.7	17.24	59.61	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	51.89	-22.11	74	60.05	40.33	13.47	61.96	100	52	P	V
5510MHz		11020	42.46	-11.54	54	50.62	40.33	13.47	61.96	100	52	A	V
		16530	46.81	-21.39	68.2	50.48	38.7	17.24	59.61	100	0	P	V
													V
		11100	52.02	-21.98	74	60.29	40	13.53	61.8	107	238	P	H
		11100	44.11	-9.89	54	52.38	40	13.53	61.8	107	238	A	H
802.11n		16650	46.35	-21.85	68.2	49.4	39.2	17.41	59.66	100	0	P	H
HT40													H
CH 110		11100	54.26	-19.74	74	62.53	40	13.53	61.8	100	52	P	V
5550MHz		11100	46.89	-7.11	54	55.16	40	13.53	61.8	100	52	A	V
		16650	46.61	-21.59	68.2	49.66	39.2	17.41	59.66	100	0	P	V
													V
		11340	49.95	-24.05	74	57.4	39.87	14	61.32	100	0	P	H
		17010	47.41	-20.79	68.2	49.16	40.5	17.54	59.79	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	56	-18	74	63.45	39.87	14	61.32	100	53	P	V
5670MHz		11340	47.44	-6.56	54	54.89	39.87	14	61.32	100	53	A	V
		17010	47.61	-20.59	68.2	49.36	40.5	17.54	59.79	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452.24	60.44	-13.56	74	49.76	31.7	9.12	30.14	293	264	P	H
		5465.44	61.77	-6.43	68.2	51.09	31.7	9.12	30.14	293	264	P	H
		5458.72	52.19	-1.81	54	41.51	31.7	9.12	30.14	293	264	A	H
	*	5530	105.99	-	-	95.29	31.73	9.14	30.17	293	264	P	H
802.11ac	*	5530	98.51	-	-	87.81	31.73	9.14	30.17	293	264	A	H
VHT80		5742.95	51.81	-16.39	68.2	40.67	32	9.41	30.27	293	264	P	H
CH 106		5459.68	52.56	-21.44	74	41.88	31.7	9.12	30.14	400	326	P	V
5530MHz		5467.84	53.32	-14.88	68.2	42.64	31.7	9.12	30.14	400	326	P	V
		5459.2	44.94	-9.06	54	34.26	31.7	9.12	30.14	400	326	A	V
	*	5530	97.64	-	-	86.94	31.73	9.14	30.17	400	326	P	V
	*	5530	90	-	-	79.3	31.73	9.14	30.17	400	326	A	V
		5729.72	50.05	-18.15	68.2	38.99	31.93	9.39	30.26	400	326	P	V
		5452	60.13	-13.87	74	49.45	31.7	9.12	30.14	304	275	P	H
		5466.16	62.17	-6.03	68.2	51.49	31.7	9.12	30.14	304	275	P	H
		5458.72	51.51	-2.49	54	40.83	31.7	9.12	30.14	304	275	A	H
	*	5610	109.92	-	-	99.16	31.8	9.17	30.21	304	275	P	H
802.11ac	*	5610	102.47	-	-	91.71	31.8	9.17	30.21	304	275	A	H
VHT80		5731.925	66.89	-1.31	68.2	55.84	31.93	9.39	30.27	304	275	P	H
CH 122		5459.44	54.47	-19.53	74	43.79	31.7	9.12	30.14	380	352	P	V
5610MHz		5467.6	57.17	-11.03	68.2	46.49	31.7	9.12	30.14	380	352	P	V
		5459.44	45.57	-8.43	54	34.89	31.7	9.12	30.14	380	352	A	V
	*	5610	101.94	-	-	91.18	31.8	9.17	30.21	380	352	P	V
	*	5610	94.37	-	-	83.61	31.8	9.17	30.21	380	352	A	V
		5730.665	57.38	-10.82	68.2	46.33	31.93	9.39	30.27	380	352	P	V

Remark

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

Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	49.07	-24.93	74	57.32	40.13	13.5	61.88	100	0	P	H
		16590	46.76	-21.44	68.2	50.23	38.85	17.32	59.64	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	48.55	-25.45	74	56.8	40.13	13.5	61.88	100	0	P	V
5530MHz		16590	46.75	-21.45	68.2	50.22	38.85	17.32	59.64	100	0	P	V
													V
													V
		11220	49.72	-24.28	74	57.57	39.88	13.83	61.56	100	0	P	H
		16830	48.1	-20.1	68.2	50.15	40.2	17.48	59.73	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	54.72	-19.28	74	62.57	39.88	13.83	61.56	100	53	P	V
5610MHz		11220	45.83	-8.17	54	53.68	39.88	13.83	61.56	100	53	A	V
		16830	47.49	-20.71	68.2	49.54	40.2	17.48	59.73	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		5407.72	50.56	-23.44	74	39.98	31.6	9.11	30.13	290	276	P	H
		5469.34	50.44	-17.76	68.2	39.76	31.7	9.12	30.14	290	276	P	H
		5451.01	41.36	-12.64	54	30.68	31.7	9.12	30.14	290	276	A	H
	*	5720	116.16	-	-	105.12	31.93	9.37	30.26	290	276	P	H
	*	5720	108.49	-	-	97.45	31.93	9.37	30.26	290	276	A	H
		5874.5	53.57	-14.63	68.2	42.03	32.27	9.61	30.34	290	276	P	H
		5358.97	50.5	-23.5	74	40.2	31.4	9.02	30.12	400	335	P	V
		5467.39	50.81	-17.39	68.2	40.13	31.7	9.12	30.14	400	335	P	V
		5456.08	40.96	-13.04	54	30.28	31.7	9.12	30.14	400	335	A	V
	*	5720	106.67	-	-	95.63	31.93	9.37	30.26	400	335	P	V
	*	5720	99.32	-	-	88.28	31.93	9.37	30.26	400	335	A	V
		5925.5	51.61	-16.59	68.2	39.95	32.37	9.66	30.37	400	335	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	55.2	-18.8	74	62.31	40.07	13.94	61.12	261	16	P	H
		11440	45.87	-8.13	54	52.98	40.07	13.94	61.12	261	16	A	H
		17160	48.54	-19.66	68.2	49.82	40.57	17.76	59.61	100	0	P	H
													H
		11440	56.01	-17.99	74	63.12	40.07	13.94	61.12	400	163	P	V
		11440	46.3	-7.7	54	53.41	40.07	13.94	61.12	400	163	A	V
		17160	49.08	-19.12	68.2	50.36	40.57	17.76	59.61	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5418.64	50.01	-23.99	74	39.4	31.63	9.11	30.13	266	288	P	H
		5470	50.19	-18.01	68.2	39.51	31.7	9.12	30.14	266	288	P	H
		5455.3	40.72	-13.28	54	30.04	31.7	9.12	30.14	266	288	A	H
	*	5720	114.56	-	-	103.52	31.93	9.37	30.26	266	288	P	H
	*	5720	106.93	-	-	95.89	31.93	9.37	30.26	266	288	A	H
		5885.25	52.33	-15.87	68.2	40.8	32.27	9.62	30.36	266	288	P	H
		5450.23	49.55	-24.45	74	38.87	31.7	9.12	30.14	400	330	P	V
		5462.32	48.95	-19.25	68.2	38.27	31.7	9.12	30.14	400	330	P	V
		5440.48	40.58	-13.42	54	29.92	31.67	9.12	30.13	400	330	A	V
	*	5720	106.59	-	-	95.55	31.93	9.37	30.26	400	330	P	V
	*	5720	98.88	-	-	87.84	31.93	9.37	30.26	400	330	A	V
		5944.25	51.46	-16.74	68.2	39.75	32.4	9.69	30.38	400	330	P	V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	56.62	-17.38	74	63.73	40.07	13.94	61.12	100	222	P	H
		11440	45.59	-8.41	54	52.7	40.07	13.94	61.12	100	222	A	H
802.11n		17160	48.77	-19.43	68.2	50.05	40.57	17.76	59.61	100	0	P	H
HT20													H
CH 144		11440	60.23	-13.77	74	67.34	40.07	13.94	61.12	100	206	P	V
5720MHz		11440	49.41	-4.59	54	56.52	40.07	13.94	61.12	100	206	A	V
		17160	47.87	-20.33	68.2	49.15	40.57	17.76	59.61	100	0	P	V
													V

Remark

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

Band 3 - Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5404.6	50.35	-23.65	74	39.77	31.6	9.11	30.13	279	280	P	H
		5465.44	49.02	-19.18	68.2	38.34	31.7	9.12	30.14	279	280	P	H
		5455.69	41.8	-12.2	54	31.12	31.7	9.12	30.14	279	280	A	H
	*	5710	112.83	-	-	101.87	31.87	9.35	30.26	279	280	P	H
	*	5710	104.87	-	-	93.91	31.87	9.35	30.26	279	280	A	H
		5892.5	52.33	-15.87	68.2	40.76	32.3	9.63	30.36	279	280	P	H
		5418.25	49.7	-24.3	74	39.09	31.63	9.11	30.13	399	331	P	V
		5467	49.85	-18.35	68.2	39.17	31.7	9.12	30.14	399	331	P	V
		5431.9	41.37	-12.63	54	30.71	31.67	9.12	30.13	399	331	A	V
	*	5710	105.15	-	-	94.19	31.87	9.35	30.26	399	331	P	V
	*	5710	97.15	-	-	86.19	31.87	9.35	30.26	399	331	A	V
		5939.75	51.39	-16.81	68.2	39.69	32.4	9.68	30.38	399	331	P	V

Remark

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

Band 3 - Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	49.7	-24.3	74	56.87	40.03	13.96	61.16	100	0	P	H
		17130	48.77	-19.43	68.2	50.17	40.53	17.71	59.64	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	55.36	-18.64	74	62.53	40.03	13.96	61.16	100	206	P	V
5710MHz		11420	47.96	-6.04	54	55.13	40.03	13.96	61.16	100	206	A	V
		17130	48.51	-19.69	68.2	49.91	40.53	17.71	59.64	100	0	P	V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5442.04	52.66	-21.34	74	42	31.67	9.12	30.13	264	281	P	H
		5466.61	53.23	-14.97	68.2	42.55	31.7	9.12	30.14	264	281	P	H
		5447.5	44.43	-9.57	54	33.74	31.7	9.12	30.13	264	281	A	H
	*	5690	110.12	-	-	99.25	31.8	9.32	30.25	264	281	P	H
802.11ac	*	5690	102.37	-	-	91.5	31.8	9.32	30.25	264	281	A	H
VHT80		5851	56.04	-12.16	68.2	44.59	32.2	9.58	30.33	264	281	P	H
CH 138		5432.29	49.99	-24.01	74	39.33	31.67	9.12	30.13	400	329	P	V
5690MHz		5465.44	48.99	-19.21	68.2	38.31	31.7	9.12	30.14	400	329	P	V
		5446.72	41.79	-12.21	54	31.1	31.7	9.12	30.13	400	329	A	V
	*	5690	102.24	-	-	91.37	31.8	9.32	30.25	400	329	P	V
	*	5690	94.64	-	-	83.77	31.8	9.32	30.25	400	329	A	V
		5860.25	52.42	-15.78	68.2	40.94	32.23	9.59	30.34	400	329	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	49.68	-24.32	74	56.96	39.97	13.99	61.24	100	0	P	H
		17070	49.26	-18.94	68.2	50.86	40.5	17.62	59.72	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	53.46	-20.54	74	60.74	39.97	13.99	61.24	100	52	P	V
5690MHz		11380	44.81	-9.19	54	52.09	39.97	13.99	61.24	100	52	A	V
		17070	49.28	-18.92	68.2	50.88	40.5	17.62	59.72	100	0	P	V
													V

Remark

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

Emission below 1GHz
WIFI 802.11n HT40 (LF @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 LF		71.71	30.94	-9.06	40	49.74	12.64	1.11	32.55			P	H
		140.58	39.08	-4.42	43.5	52.52	17.54	1.52	32.5	210	280	Q	H
		302.57	34.15	-11.85	46	45.18	19.3	2.21	32.54			P	H
		554.77	27.6	-18.4	46	31.36	25.86	2.97	32.59			P	H
		755.56	30.39	-15.61	46	30.94	28.4	3.34	32.29			P	H
		842.86	32.26	-13.74	46	31.55	29.06	3.61	31.96			P	H
													H
													H
													H
													H
													H
													H
		37.76	35.02	-4.98	40	45.74	21.12	0.77	32.61	115	176	Q	V
		119.24	34.78	-8.72	43.5	48.41	17.5	1.38	32.51			P	V
		150.28	34.99	-8.51	43.5	48.76	17.13	1.6	32.5			P	V
		306.45	29.58	-16.42	46	40.61	19.3	2.21	32.54			P	V
		582.9	26.39	-19.61	46	29.96	26	3.02	32.59			P	V
		751.68	31.01	-14.99	46	31.58	28.4	3.33	32.3			P	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5148.46	60.12	-13.88	74	49.79	31.8	8.63	30.1	100	186	P	H
		5149.76	50.69	-3.31	54	40.36	31.8	8.63	30.1	100	186	A	H
	*	5180	115.02	-	-	104.8	31.67	8.65	30.1	100	186	P	H
	*	5180	107.4	-	-	97.18	31.67	8.65	30.1	100	186	A	H
													H
													H
		5150	53.5	-20.5	74	43.16	31.8	8.64	30.1	395	179	P	V
		5150	44.73	-9.27	54	34.39	31.8	8.64	30.1	395	179	A	V
	*	5180	110.34	-	-	100.12	31.67	8.65	30.1	395	179	P	V
	*	5180	102.16	-	-	91.94	31.67	8.65	30.1	395	179	A	V
													V
													V
802.11a CH 44 5220MHz		5148.98	51.15	-22.85	74	40.82	31.8	8.63	30.1	286	186	P	H
		5148.98	42.83	-11.17	54	32.5	31.8	8.63	30.1	286	186	A	H
	*	5220	113.04	-	-	102.92	31.53	8.7	30.11	286	186	P	H
	*	5220	106.43	-	-	96.31	31.53	8.7	30.11	286	186	A	H
		5372.64	49.46	-24.54	74	39.06	31.47	9.05	30.12	286	186	P	H
		5350.8	41.15	-12.85	54	30.87	31.4	9	30.12	286	186	A	H
		5067.34	50.38	-23.62	74	39.98	31.9	8.59	30.09	248	285	P	V
		5149.76	41.14	-12.86	54	30.81	31.8	8.63	30.1	248	285	A	V
	*	5220	110.4	-	-	100.28	31.53	8.7	30.11	248	285	P	V
	*	5220	102.66	-	-	92.54	31.53	8.7	30.11	248	285	A	V
		5460	49.49	-24.51	74	38.81	31.7	9.12	30.14	248	285	P	V
		5357.8	40.55	-13.45	54	30.25	31.4	9.02	30.12	248	285	A	V

802.11a CH 48 5240MHz		5149.76	50.15	-23.85	74	39.82	31.8	8.63	30.1	283	188	P	H
		5146.9	41.54	-12.46	54	31.21	31.8	8.63	30.1	283	188	A	H
	*	5240	114.27	-	-	104.16	31.47	8.75	30.11	283	188	P	H
	*	5240	106.61	-	-	96.5	31.47	8.75	30.11	283	188	A	H
		5350	51.31	-22.69	74	41.03	31.4	9	30.12	283	188	P	H
		5352.76	41.84	-12.16	54	31.56	31.4	9	30.12	283	188	A	H
		5090.74	49.27	-24.73	74	38.85	31.9	8.61	30.09	318	38	P	V
		5149.76	40.21	-13.79	54	29.88	31.8	8.63	30.1	318	38	A	V
	*	5240	109.64	-	-	99.53	31.47	8.75	30.11	318	38	P	V
	*	5240	102.32	-	-	92.21	31.47	8.75	30.11	318	38	A	V
		5363.68	49.22	-24.78	74	38.84	31.47	9.03	30.12	318	38	P	V
		5353.04	40.75	-13.25	54	30.47	31.4	9	30.12	318	38	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.3	-20.9	68.2	55.95	39.37	13.33	61.35	100	0	P	H
		15540	45.24	-28.76	74	53.08	37.93	16.67	62.44	100	0	P	H
													H
													H
		10360	49.1	-19.1	68.2	57.75	39.37	13.33	61.35	100	0	P	V
		15540	44.33	-29.67	74	52.17	37.93	16.67	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	48.61	-19.59	68.2	57.19	39.53	13.38	61.49	100	0	P	H
		15660	44.72	-29.28	74	52.64	37.45	16.87	62.24	100	0	P	H
													H
													H
		10440	51.58	-16.62	68.2	60.16	39.53	13.38	61.49	100	0	P	V
		15660	44.87	-29.13	74	52.79	37.45	16.87	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	47.62	-20.58	68.2	56.2	39.58	13.4	61.56	100	0	P	H
		15720	44.88	-29.12	74	52.78	37.3	16.95	62.15	100	0	P	H
													H
													H
		10480	50.37	-17.83	68.2	58.95	39.58	13.4	61.56	100	0	P	V
		15720	44.83	-29.17	74	52.73	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150	60	-14	74	49.66	31.8	8.64	30.1	383	183	P	H
		5150	51.37	-2.63	54	41.03	31.8	8.64	30.1	383	183	A	H
	*	5180	113.82	-	-	103.6	31.67	8.65	30.1	383	183	P	H
	*	5180	106.38	-	-	96.16	31.67	8.65	30.1	383	183	A	H
802.11n													H
HT20													H
CH 36		5149.5	57.69	-16.31	74	47.36	31.8	8.63	30.1	252	281	P	V
5180MHz		5150	48.39	-5.61	54	38.05	31.8	8.64	30.1	252	281	A	V
	*	5180	110.34	-	-	100.12	31.67	8.65	30.1	252	281	P	V
	*	5180	102.76	-	-	92.54	31.67	8.65	30.1	252	281	A	V
													V
													V
		5146.38	50.87	-23.13	74	40.54	31.8	8.63	30.1	286	185	P	H
		5150	42.64	-11.36	54	32.3	31.8	8.64	30.1	286	185	A	H
	*	5220	113.35	-	-	103.23	31.53	8.7	30.11	286	185	P	H
	*	5220	105.66	-	-	95.54	31.53	8.7	30.11	286	185	A	H
802.11n		5456.92	50.24	-23.76	74	39.56	31.7	9.12	30.14	286	185	P	H
HT20		5355.56	41.09	-12.91	54	30.8	31.4	9.01	30.12	286	185	A	H
CH 44		5141.44	50.03	-23.97	74	39.7	31.8	8.63	30.1	246	283	P	V
5220MHz		5145.86	41.36	-12.64	54	31.03	31.8	8.63	30.1	246	283	A	V
	*	5220	109.87	-	-	99.75	31.53	8.7	30.11	246	283	P	V
	*	5220	102.33	-	-	92.21	31.53	8.7	30.11	246	283	A	V
		5375.44	49.08	-24.92	74	38.69	31.47	9.05	30.13	246	283	P	V
		5356.12	40.53	-13.47	54	30.24	31.4	9.01	30.12	246	283	A	V

		5113.88	49.69	-24.31	74	39.29	31.87	8.62	30.09	394	185	P	H
		5148.98	41.28	-12.72	54	30.95	31.8	8.63	30.1	394	185	A	H
	*	5240	113.71	-	-	103.6	31.47	8.75	30.11	394	185	P	H
	*	5240	106.13	-	-	96.02	31.47	8.75	30.11	394	185	A	H
802.11n		5453	49.63	-24.37	74	38.95	31.7	9.12	30.14	394	185	P	H
HT20		5353.88	41.43	-12.57	54	31.14	31.4	9.01	30.12	394	185	A	H
CH 48		5140.92	50.1	-23.9	74	39.77	31.8	8.63	30.1	261	282	P	V
5240MHz		5148.98	40.51	-13.49	54	30.18	31.8	8.63	30.1	261	282	A	V
	*	5240	110.24	-	-	100.13	31.47	8.75	30.11	261	282	P	V
	*	5240	102.8	-	-	92.69	31.47	8.75	30.11	261	282	A	V
		5402.88	49.31	-24.69	74	38.73	31.6	9.11	30.13	261	282	P	V
		5355.28	40.44	-13.56	54	30.15	31.4	9.01	30.12	261	282	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	46.54	-21.66	68.2	55.19	39.37	13.33	61.35	100	0	P	H
		15540	45.07	-28.93	74	52.91	37.93	16.67	62.44	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	49.87	-18.33	68.2	58.52	39.37	13.33	61.35	100	0	P	V
5180MHz		15540	46.01	-27.99	74	53.85	37.93	16.67	62.44	100	0	P	V
													V
													V
		10440	47.45	-20.75	68.2	56.03	39.53	13.38	61.49	100	0	P	H
		15660	45.6	-28.4	74	53.52	37.45	16.87	62.24	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	51.76	-16.44	68.2	60.34	39.53	13.38	61.49	100	0	P	V
5220MHz		15660	44.37	-29.63	74	52.29	37.45	16.87	62.24	100	0	P	V
													V
													V
		10480	47.69	-20.51	68.2	56.27	39.58	13.4	61.56	100	0	P	H
		15720	45.74	-28.26	74	53.64	37.3	16.95	62.15	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	50.78	-17.42	68.2	59.36	39.58	13.4	61.56	100	0	P	V
5240MHz		15720	44.79	-29.21	74	52.69	37.3	16.95	62.15	100	0	P	V
													V
													V

Remark

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

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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150	58	-16	74	47.66	31.8	8.64	30.1	274	191	P	H
		5149.76	51.12	-2.88	54	40.79	31.8	8.63	30.1	274	191	A	H
	*	5190	107.31	-	-	97.09	31.67	8.65	30.1	274	191	P	H
	*	5190	99.6	-	-	89.38	31.67	8.65	30.1	274	191	A	H
802.11n		5405.12	50.21	-23.79	74	39.63	31.6	9.11	30.13	274	191	P	H
HT40		5367.6	41.69	-12.31	54	31.3	31.47	9.04	30.12	274	191	A	H
CH 38		5150	57.2	-16.8	74	46.86	31.8	8.64	30.1	287	286	P	V
5190MHz		5149.76	47.69	-6.31	54	37.36	31.8	8.63	30.1	287	286	A	V
	*	5190	103.43	-	-	93.21	31.67	8.65	30.1	287	286	P	V
	*	5190	95.7	-	-	85.48	31.67	8.65	30.1	287	286	A	V
		5432.28	48.96	-25.04	74	38.3	31.67	9.12	30.13	287	286	P	V
		5406.8	40.88	-13.12	54	30.3	31.6	9.11	30.13	287	286	A	V
		5149.24	58.04	-15.96	74	47.71	31.8	8.63	30.1	282	186	P	H
		5148.72	50.69	-3.31	54	40.36	31.8	8.63	30.1	282	186	A	H
	*	5230	112.8	-	-	102.71	31.47	8.73	30.11	282	186	P	H
	*	5230	104.94	-	-	94.85	31.47	8.73	30.11	282	186	A	H
802.11n		5367.6	50.8	-23.2	74	40.41	31.47	9.04	30.12	282	186	P	H
HT40		5350.24	43.34	-10.66	54	33.06	31.4	9	30.12	282	186	A	H
CH 46		5148.2	52.91	-21.09	74	42.58	31.8	8.63	30.1	317	39	P	V
5230MHz		5150	45.82	-8.18	54	35.48	31.8	8.64	30.1	317	39	A	V
	*	5230	108.71	-	-	98.62	31.47	8.73	30.11	317	39	P	V
	*	5230	100.9	-	-	90.81	31.47	8.73	30.11	317	39	A	V
		5354.16	50.49	-23.51	74	40.2	31.4	9.01	30.12	317	39	P	V
		5352.48	41.81	-12.19	54	31.53	31.4	9	30.12	317	39	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	45.94	-22.26	68.2	54.55	39.43	13.34	61.38	100	0	P	H
		15570	45.61	-28.39	74	53.5	37.77	16.73	62.39	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	46.07	-22.13	68.2	54.68	39.43	13.34	61.38	100	0	P	V
5190MHz		15570	45.28	-28.72	74	53.17	37.77	16.73	62.39	100	0	P	V
													V
													V
		10460	46.9	-21.3	68.2	55.49	39.55	13.39	61.53	100	0	P	H
		15690	44.71	-29.29	74	52.64	37.35	16.92	62.2	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	51.13	-17.07	68.2	59.72	39.55	13.39	61.53	100	0	P	V
5230MHz		15690	44.79	-29.21	74	52.72	37.35	16.92	62.2	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5139.36	58.72	-15.28	74	48.36	31.83	8.63	30.1	378	184	P	H
		5149.76	51.47	-2.53	54	41.14	31.8	8.63	30.1	378	184	A	H
	*	5210	102.53	-	-	92.43	31.53	8.68	30.11	378	184	P	H
	*	5210	94.83	-	-	84.73	31.53	8.68	30.11	378	184	A	H
802.11ac		5354.16	49.46	-24.54	74	39.17	31.4	9.01	30.12	378	184	P	H
VHT80		5350	41.92	-12.08	54	31.64	31.4	9	30.12	378	184	A	H
CH 42		5147.68	55.62	-18.38	74	45.29	31.8	8.63	30.1	247	283	P	V
5210MHz		5149.5	47.57	-6.43	54	37.24	31.8	8.63	30.1	247	283	A	V
	*	5210	100.86	-	-	90.76	31.53	8.68	30.11	247	283	P	V
	*	5210	93.25	-	-	83.15	31.53	8.68	30.11	247	283	A	V
		5448.8	49.08	-24.92	74	38.39	31.7	9.12	30.13	247	283	P	V
		5363.4	40.98	-13.02	54	30.6	31.47	9.03	30.12	247	283	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac 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	46.19	-22.01	68.2	54.77	39.52	13.36	61.46	100	0	P	H
		15630	45.08	-28.92	74	53.05	37.5	16.82	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	46.93	-21.27	68.2	55.51	39.52	13.36	61.46	100	0	P	V
5210MHz		15630	44.6	-29.4	74	52.57	37.5	16.82	62.29	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI 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		5046.92	49.56	-24.44	74	39.17	31.9	8.58	30.09	260	188	P	H
		5142.46	40.45	-13.55	54	30.12	31.8	8.63	30.1	260	188	A	H
	*	5260	114.52	-	-	104.43	31.4	8.8	30.11	260	188	P	H
	*	5260	106.97	-	-	96.88	31.4	8.8	30.11	260	188	A	H
		5428.56	50.65	-23.35	74	39.99	31.67	9.12	30.13	260	188	P	H
		5356.32	42.3	-11.7	54	32.01	31.4	9.01	30.12	260	188	A	H
		5124.44	49.38	-24.62	74	39.03	31.83	8.62	30.1	352	37	P	V
		5132.6	40.09	-13.91	54	29.73	31.83	8.63	30.1	352	37	A	V
	*	5260	110.21	-	-	100.12	31.4	8.8	30.11	352	37	P	V
	*	5260	102.85	-	-	92.76	31.4	8.8	30.11	352	37	A	V
		5358.48	49.59	-24.41	74	39.29	31.4	9.02	30.12	352	37	P	V
		5364.24	40.82	-13.18	54	30.44	31.47	9.03	30.12	352	37	A	V
802.11a CH 60 5300MHz		5058.48	49.99	-24.01	74	39.59	31.9	8.59	30.09	266	191	P	H
		5142.12	40.29	-13.71	54	29.96	31.8	8.63	30.1	266	191	A	H
	*	5300	114.22	-	-	104.05	31.4	8.89	30.12	266	191	P	H
	*	5300	106.82	-	-	96.65	31.4	8.89	30.12	266	191	A	H
		5354.88	54.7	-19.3	74	44.41	31.4	9.01	30.12	266	191	P	H
		5350.08	46.92	-7.08	54	36.64	31.4	9	30.12	266	191	A	H
		5091.12	49.07	-24.93	74	38.65	31.9	8.61	30.09	329	36	P	V
		5097.24	40.06	-13.94	54	29.64	31.9	8.61	30.09	329	36	A	V
	*	5300	110.11	-	-	99.94	31.4	8.89	30.12	329	36	P	V
	*	5300	102.9	-	-	92.73	31.4	8.89	30.12	329	36	A	V
		5357.04	50.97	-23.03	74	40.68	31.4	9.01	30.12	329	36	P	V
		5357.52	43.21	-10.79	54	32.92	31.4	9.01	30.12	329	36	A	V

802.11a CH 64 5320MHz	*	5320	113.03	-	-	102.82	31.4	8.93	30.12	100	137	P	H
	*	5320	105.2	-	-	94.99	31.4	8.93	30.12	100	137	A	H
		5367.84	56.78	-17.22	74	46.39	31.47	9.04	30.12	100	137	P	H
		5364	48.1	-5.9	54	37.72	31.47	9.03	30.12	100	137	A	H
													H
													H
	*	5320	109.21	-	-	99	31.4	8.93	30.12	399	183	P	V
	*	5320	101.83	-	-	91.62	31.4	8.93	30.12	399	183	A	V
		5365.28	54.18	-19.82	74	43.8	31.47	9.03	30.12	399	183	P	V
		5359.36	45.07	-8.93	54	34.77	31.4	9.02	30.12	399	183	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	48.57	-19.63	68.2	57.15	39.63	13.41	61.62	100	0	P	H
		15780	45.03	-28.97	74	52.75	37.3	17.03	62.05	100	0	P	H
													H
													H
		10520	52.04	-16.16	68.2	60.62	39.63	13.41	61.62	100	0	P	V
		15780	44.82	-29.18	74	52.54	37.3	17.03	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	49.97	-24.03	74	58.45	39.8	13.4	61.68	100	0	P	H
		15900	44.29	-29.71	74	51.96	37	17.19	61.86	100	0	P	H
													H
													H
		10600	57.06	-16.94	74	65.54	39.8	13.4	61.68	342	146	P	V
		10600	46.94	-7.06	54	55.42	39.8	13.4	61.68	342	146	A	V
		15900	44.86	-29.14	74	52.53	37	17.19	61.86	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	48.29	-25.71	74	56.8	39.8	13.4	61.71	100	0	P	H
		15960	43.73	-30.27	74	51.39	36.93	17.17	61.76	100	0	P	H
													H
													H
		10640	49.91	-24.09	74	58.42	39.8	13.4	61.71	100	0	P	V
		15960	44.25	-29.75	74	51.91	36.93	17.17	61.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5141.1	49.25	-24.75	74	38.92	31.8	8.63	30.1	100	186	P	H
		5145.52	40.29	-13.71	54	29.96	31.8	8.63	30.1	100	186	A	H
	*	5260	114.39	-	-	104.3	31.4	8.8	30.11	100	186	P	H
	*	5260	106.56	-	-	96.47	31.4	8.8	30.11	100	186	A	H
802.11n		5400.96	50.62	-23.38	74	40.04	31.6	9.11	30.13	100	186	P	H
HT20		5350.56	41.94	-12.06	54	31.66	31.4	9	30.12	100	186	A	H
CH 52		5147.22	49.29	-24.71	74	38.96	31.8	8.63	30.1	400	181	P	V
5260MHz		5087.72	39.93	-14.07	54	29.52	31.9	8.6	30.09	400	181	A	V
	*	5260	110.06	-	-	99.97	31.4	8.8	30.11	400	181	P	V
	*	5260	102.56	-	-	92.47	31.4	8.8	30.11	400	181	A	V
		5378.16	49.68	-24.32	74	39.22	31.53	9.06	30.13	400	181	P	V
		5351.28	40.61	-13.39	54	30.33	31.4	9	30.12	400	181	A	V
		5074.8	49.76	-24.24	74	39.35	31.9	8.6	30.09	100	187	P	H
		5145.86	41.31	-12.69	54	30.98	31.8	8.63	30.1	100	187	A	H
	*	5300	114.8	-	-	104.63	31.4	8.89	30.12	100	187	P	H
	*	5300	107.2	-	-	97.03	31.4	8.89	30.12	100	187	A	H
802.11n		5351.28	55.31	-18.69	74	45.03	31.4	9	30.12	100	187	P	H
HT20		5350.32	47.46	-6.54	54	37.18	31.4	9	30.12	100	187	A	H
CH 60		5079.9	50.72	-23.28	74	40.31	31.9	8.6	30.09	397	183	P	V
5300MHz		5080.58	40.99	-13.01	54	30.58	31.9	8.6	30.09	397	183	A	V
	*	5300	112.18	-	-	102.01	31.4	8.89	30.12	397	183	P	V
	*	5300	104.11	-	-	93.94	31.4	8.89	30.12	397	183	A	V
		5357.28	52.51	-21.49	74	42.22	31.4	9.01	30.12	397	183	P	V
		5352.72	44.83	-9.17	54	34.55	31.4	9	30.12	397	183	A	V

	*	5320	114.72	-	-	104.51	31.4	8.93	30.12	100	187	P	H
	*	5320	107.15	-	-	96.94	31.4	8.93	30.12	100	187	A	H
		5350.56	60.38	-13.62	74	50.1	31.4	9	30.12	100	187	P	H
		5350.72	52.07	-1.93	54	41.79	31.4	9	30.12	100	187	A	H
802.11n													H
HT20													H
CH 64	*	5320	112.27	-	-	102.06	31.4	8.93	30.12	391	183	P	V
5320MHz	*	5320	104.13	-	-	93.92	31.4	8.93	30.12	391	183	A	V
		5350.24	57.88	-16.12	74	47.6	31.4	9	30.12	391	183	P	V
		5350.08	49.57	-4.43	54	39.29	31.4	9	30.12	391	183	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	48.2	-20	68.2	56.78	39.63	13.41	61.62	100	0	P	H
		15780	44.73	-29.27	74	52.45	37.3	17.03	62.05	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	51.76	-16.44	68.2	60.34	39.63	13.41	61.62	100	0	P	V
5260MHz		15780	44.69	-29.31	74	52.41	37.3	17.03	62.05	100	0	P	V
													V
													V
		10600	49.63	-24.37	74	58.11	39.8	13.4	61.68	100	0	P	H
		15900	45.86	-28.14	74	53.53	37	17.19	61.86	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	55.71	-18.29	74	64.19	39.8	13.4	61.68	100	74	P	V
5300MHz		10600	44.3	-9.7	54	52.78	39.8	13.4	61.68	100	74	A	V
		15900	44.88	-29.12	74	52.55	37	17.19	61.86	100	0	P	V
													V
		10640	55.48	-18.52	74	63.99	39.8	13.4	61.71	229	142	P	H
		10640	44.84	-9.16	54	53.35	39.8	13.4	61.71	229	142	A	H
802.11n		15960	43.97	-30.03	74	51.63	36.93	17.17	61.76	100	0	P	H
HT20													H
CH 64		10640	57.94	-16.06	74	66.45	39.8	13.4	61.71	255	194	P	V
5320MHz		10640	47	-7	54	55.51	39.8	13.4	61.71	255	194	A	V
		15960	44.46	-29.54	74	52.12	36.93	17.17	61.76	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.6	51.36	-22.64	74	41.03	31.8	8.63	30.1	100	187	P	H
		5149.94	43.15	-10.85	54	32.82	31.8	8.63	30.1	100	187	A	H
	*	5270	114.52	-	-	104.41	31.4	8.82	30.11	100	187	P	H
	*	5270	106.43	-	-	96.32	31.4	8.82	30.11	100	187	A	H
802.11n		5350.8	60.1	-13.9	74	49.82	31.4	9	30.12	100	187	P	H
HT40		5351.28	51.75	-2.25	54	41.47	31.4	9	30.12	100	187	A	H
CH 54		5041.82	49.73	-24.27	74	39.34	31.9	8.58	30.09	400	183	P	V
5270MHz		5079.56	41.8	-12.2	54	31.39	31.9	8.6	30.09	400	183	A	V
	*	5270	110.75	-	-	100.64	31.4	8.82	30.11	400	183	P	V
	*	5270	102.78	-	-	92.67	31.4	8.82	30.11	400	183	A	V
		5351.52	55.68	-18.32	74	45.4	31.4	9	30.12	400	183	P	V
		5350.56	48.16	-5.84	54	37.88	31.4	9	30.12	400	183	A	V
		5078.54	50.4	-23.6	74	39.99	31.9	8.6	30.09	100	189	P	H
		5088.74	41.89	-12.11	54	31.48	31.9	8.6	30.09	100	189	A	H
	*	5310	108.81	-	-	98.62	31.4	8.91	30.12	100	189	P	H
	*	5310	101.05	-	-	90.86	31.4	8.91	30.12	100	189	A	H
802.11n		5351.04	60.38	-13.62	74	50.1	31.4	9	30.12	100	189	P	H
HT40		5350.32	51.64	-2.36	54	41.36	31.4	9	30.12	100	189	A	H
CH 62		5045.22	50.83	-23.17	74	40.44	31.9	8.58	30.09	395	184	P	V
5310MHz		5057.12	41.8	-12.2	54	31.4	31.9	8.59	30.09	395	184	A	V
	*	5310	105.58	-	-	95.39	31.4	8.91	30.12	395	184	P	V
	*	5310	97.8	-	-	87.61	31.4	8.91	30.12	395	184	A	V
		5351.52	55.58	-18.42	74	45.3	31.4	9	30.12	395	184	P	V
		5350.32	48.17	-5.83	54	37.89	31.4	9	30.12	395	184	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	48.21	-19.99	68.2	56.76	39.67	13.41	61.63	100	0	P	H
		15780	44.4	-29.6	74	52.12	37.3	17.03	62.05	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	50.49	-17.71	68.2	59.04	39.67	13.41	61.63	100	0	P	V
5270MHz		15780	44.66	-29.34	74	52.38	37.3	17.03	62.05	100	0	P	V
													V
													V
		10620	47.15	-26.85	74	55.64	39.8	13.41	61.7	100	0	P	H
		15930	44.29	-29.71	74	51.94	36.97	17.19	61.81	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	47.41	-26.59	74	55.9	39.8	13.41	61.7	100	0	P	V
5310MHz		15930	44.22	-29.78	74	51.87	36.97	17.19	61.81	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5104.38	50.46	-23.54	74	40.04	31.9	8.61	30.09	100	189	P	H
		5133.28	41.76	-12.24	54	31.4	31.83	8.63	30.1	100	189	A	H
	*	5290	104.14	-	-	93.99	31.4	8.86	30.11	100	189	P	H
	*	5290	96.54	-	-	86.39	31.4	8.86	30.11	100	189	A	H
		5350.32	60.64	-13.36	74	50.36	31.4	9	30.12	100	189	P	H
		5350.08	52.75	-1.25	54	42.47	31.4	9	30.12	100	189	A	H
		5097.92	50.29	-23.71	74	39.87	31.9	8.61	30.09	398	182	P	V
		5094.86	41.81	-12.19	54	31.39	31.9	8.61	30.09	398	182	A	V
	*	5290	100.2	-	-	90.05	31.4	8.86	30.11	398	182	P	V
	*	5290	92.62	-	-	82.47	31.4	8.86	30.11	398	182	A	V
		5354.4	56.37	-17.63	74	46.08	31.4	9.01	30.12	398	182	P	V
		5350.32	48.94	-5.06	54	38.66	31.4	9	30.12	398	182	A	V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.74	-21.46	68.2	55.22	39.77	13.41	61.66	100	0	P	H
		15870	44.5	-29.5	74	52.19	37.06	17.16	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	47.15	-21.05	68.2	55.63	39.77	13.41	61.66	100	0	P	V
5290MHz		15870	44.04	-29.96	74	51.73	37.06	17.16	61.91	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI 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		5451.44	55.06	-18.94	74	44.38	31.7	9.12	30.14	100	143	P	H
		5460.88	55.25	-12.95	68.2	44.57	31.7	9.12	30.14	100	143	P	H
		5459.44	45.63	-8.37	54	34.95	31.7	9.12	30.14	100	143	A	H
	*	5500	113.55	-	-	102.86	31.7	9.13	30.14	100	143	P	H
	*	5500	105.96	-	-	95.27	31.7	9.13	30.14	100	143	A	H
													H
		5447.12	51.46	-22.54	74	40.77	31.7	9.12	30.13	400	196	P	V
		5470	51.22	-16.98	68.2	40.54	31.7	9.12	30.14	400	196	P	V
		5458.32	42.77	-11.23	54	32.09	31.7	9.12	30.14	400	196	A	V
	*	5500	108.44	-	-	97.75	31.7	9.13	30.14	400	196	P	V
	*	5500	100.44	-	-	89.75	31.7	9.13	30.14	400	196	A	V
													V
802.11a CH 116 5580MHz		5426.56	50.83	-23.17	74	40.21	31.63	9.12	30.13	244	153	P	H
		5460.88	51.15	-17.05	68.2	40.47	31.7	9.12	30.14	244	153	P	H
		5459.2	41.53	-12.47	54	30.85	31.7	9.12	30.14	244	153	A	H
	*	5580	114.38	-	-	103.62	31.8	9.15	30.19	244	153	P	H
	*	5580	107.02	-	-	96.26	31.8	9.15	30.19	244	153	A	H
		5735.39	49.65	-18.55	68.2	38.52	32	9.4	30.27	244	153	P	H
		5425.12	51.09	-22.91	74	40.47	31.63	9.12	30.13	282	90	P	V
		5462.32	49.76	-18.44	68.2	39.08	31.7	9.12	30.14	282	90	P	V
		5455.36	40.34	-13.66	54	29.66	31.7	9.12	30.14	282	90	A	V
	*	5580	108.97	-	-	98.21	31.8	9.15	30.19	282	90	P	V
	*	5580	101.66	-	-	90.9	31.8	9.15	30.19	282	90	A	V
		5741.06	48.54	-19.66	68.2	37.4	32	9.41	30.27	282	90	P	V

802.11a CH 140 5700MHz	*	5700	115.6	-	-	104.71	31.8	9.34	30.25	100	149	P	H
	*	5700	108.01	-	-	97.12	31.8	9.34	30.25	100	149	A	H
		5726.6	58.41	-9.79	68.2	47.36	31.93	9.38	30.26	100	149	P	H
													H
													H
													H
	*	5700	110.49	-	-	99.6	31.8	9.34	30.25	352	220	P	V
	*	5700	102.97	-	-	92.08	31.8	9.34	30.25	352	220	A	V
		5725.56	54.68	-13.52	68.2	43.63	31.93	9.38	30.26	352	220	P	V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	56.67	-17.33	74	64.83	40.4	13.44	62	240	166	P	H
		11000	45.96	-8.04	54	54.12	40.4	13.44	62	240	166	A	H
		16500	45.02	-23.18	68.2	48.81	38.6	17.21	59.6	100	0	P	H
													H
		11000	60.64	-13.36	74	68.8	40.4	13.44	62	336	167	P	V
		11000	50.31	-3.69	54	58.47	40.4	13.44	62	336	167	A	V
		16500	45.35	-22.85	68.2	49.14	38.6	17.21	59.6	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	54.13	-19.87	74	62.21	39.93	13.67	61.68	222	355	P	H
		11160	43.9	-10.1	54	51.98	39.93	13.67	61.68	222	355	A	H
		16740	47.26	-20.94	68.2	49.7	39.78	17.48	59.7	100	0	P	H
													H
		11160	56.78	-17.22	74	64.86	39.93	13.67	61.68	229	171	P	V
		11160	46.57	-7.43	54	54.65	39.93	13.67	61.68	229	171	A	V
		16740	46.28	-21.92	68.2	48.72	39.78	17.48	59.7	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	48.6	-25.4	74	55.83	40	13.97	61.2	100	0	P	H
		17100	48.37	-19.83	68.2	49.89	40.5	17.66	59.68	100	0	P	H
													H
													H
		11400	49.95	-24.05	74	57.18	40	13.97	61.2	100	0	P	V
		17100	48.06	-20.14	68.2	49.58	40.5	17.66	59.68	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.76	56	-18	74	45.32	31.7	9.12	30.14	100	151	P	H
		5467.6	57.44	-10.76	68.2	46.76	31.7	9.12	30.14	100	151	P	H
		5459.12	47.23	-6.77	54	36.55	31.7	9.12	30.14	100	151	A	H
	*	5500	114.53	-	-	103.84	31.7	9.13	30.14	100	151	P	H
802.11n	*	5500	106.37	-	-	95.68	31.7	9.13	30.14	100	151	A	H
HT20													H
CH 100		5451.44	53.64	-20.36	74	42.96	31.7	9.12	30.14	400	196	P	V
5500MHz		5466.48	53.74	-14.46	68.2	43.06	31.7	9.12	30.14	400	196	P	V
		5455.76	43.62	-10.38	54	32.94	31.7	9.12	30.14	400	196	A	V
	*	5500	109.02	-	-	98.33	31.7	9.13	30.14	400	196	P	V
	*	5500	101.22	-	-	90.53	31.7	9.13	30.14	400	196	A	V
													V
		5422.72	51.16	-22.84	74	40.55	31.63	9.11	30.13	100	148	P	H
		5464	50.09	-18.11	68.2	39.41	31.7	9.12	30.14	100	148	P	H
		5453.2	41.85	-12.15	54	31.17	31.7	9.12	30.14	100	148	A	H
	*	5580	116.35	-	-	105.59	31.8	9.15	30.19	100	148	P	H
802.11n	*	5580	108.47	-	-	97.71	31.8	9.15	30.19	100	148	A	H
HT20		5734.13	52.11	-16.09	68.2	41.05	31.93	9.4	30.27	100	148	P	H
CH 116		5427.76	49.85	-24.15	74	39.23	31.63	9.12	30.13	391	200	P	V
5580MHz		5464.72	49.34	-18.86	68.2	38.66	31.7	9.12	30.14	391	200	P	V
		5454.88	41.06	-12.94	54	30.38	31.7	9.12	30.14	391	200	A	V
	*	5580	109.9	-	-	99.14	31.8	9.15	30.19	391	200	P	V
	*	5580	102.21	-	-	91.45	31.8	9.15	30.19	391	200	A	V
		5758.07	50.13	-18.07	68.2	38.91	32.07	9.44	30.29	391	200	P	V

	*	5700	116.58	-	-	105.69	31.8	9.34	30.25	100	151	P	H
	*	5700	108.34	-	-	97.45	31.8	9.34	30.25	100	151	A	H
		5725.16	66.74	-1.46	68.2	55.69	31.93	9.38	30.26	100	151	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	111.01	-	-	100.12	31.8	9.34	30.25	349	218	P	V
5700MHz	*	5700	103.37	-	-	92.48	31.8	9.34	30.25	349	218	A	V
		5725.08	61.51	-6.69	68.2	50.46	31.93	9.38	30.26	349	218	P	V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	59.4	-14.6	74	67.56	40.4	13.44	62	260	164	P	H
		11000	47.57	-6.43	54	55.73	40.4	13.44	62	260	164	A	H
802.11n		16500	46.05	-22.15	68.2	49.84	38.6	17.21	59.6	100	0	P	H
HT20													H
CH 100		11000	62.46	-11.54	74	70.62	40.4	13.44	62	336	169	P	V
5500MHz		11000	50.53	-3.47	54	58.69	40.4	13.44	62	336	169	A	V
		16500	44.77	-23.43	68.2	48.56	38.6	17.21	59.6	100	0	P	V
													V
		11160	57.18	-16.82	74	65.26	39.93	13.67	61.68	264	165	P	H
		11160	47.11	-6.89	54	55.19	39.93	13.67	61.68	264	165	A	H
802.11n		16740	47.19	-21.01	68.2	49.63	39.78	17.48	59.7	100	0	P	H
HT20													H
CH 116		11160	61.26	-12.74	74	69.34	39.93	13.67	61.68	400	165	P	V
5580MHz		11160	49.96	-4.04	54	58.04	39.93	13.67	61.68	400	165	A	V
		16740	46.63	-21.57	68.2	49.07	39.78	17.48	59.7	100	0	P	V
													V
		11400	49.79	-24.21	74	57.02	40	13.97	61.2	100	0	P	H
		17100	47.35	-20.85	68.2	48.87	40.5	17.66	59.68	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	49.92	-24.08	74	57.15	40	13.97	61.2	100	0	P	V
5700MHz		17100	47.58	-20.62	68.2	49.1	40.5	17.66	59.68	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n 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	60.47	-13.53	74	49.79	31.7	9.12	30.14	100	150	P	H
		5466.4	64.91	-3.29	68.2	54.23	31.7	9.12	30.14	100	150	P	H
		5458.24	51.85	-2.15	54	41.17	31.7	9.12	30.14	100	150	A	H
	*	5510	111.7	-	-	101.02	31.7	9.13	30.15	100	150	P	H
802.11n	*	5510	103.77	-	-	93.09	31.7	9.13	30.15	100	150	A	H
HT40		5732.87	51.55	-16.65	68.2	40.49	31.93	9.4	30.27	100	150	P	H
CH 102		5456.32	54.99	-19.01	74	44.31	31.7	9.12	30.14	343	188	P	V
5510MHz		5470	58.61	-9.59	68.2	47.93	31.7	9.12	30.14	343	188	P	V
		5458	46.96	-7.04	54	36.28	31.7	9.12	30.14	343	188	A	V
	*	5510	105.73	-	-	95.05	31.7	9.13	30.15	343	188	P	V
	*	5510	97.9	-	-	87.22	31.7	9.13	30.15	343	188	A	V
		5753.03	49.9	-18.3	68.2	38.67	32.07	9.43	30.27	343	188	P	V
		5458.96	55.98	-18.02	74	45.3	31.7	9.12	30.14	262	148	P	H
		5468.56	55.73	-12.47	68.2	45.05	31.7	9.12	30.14	262	148	P	H
		5457.52	47.05	-6.95	54	36.37	31.7	9.12	30.14	262	148	A	H
	*	5550	114.84	-	-	104.07	31.8	9.14	30.17	262	148	P	H
802.11n	*	5550	106.91	-	-	96.14	31.8	9.14	30.17	262	148	A	H
HT40		5742.005	51.36	-16.84	68.2	40.22	32	9.41	30.27	262	148	P	H
CH 110		5458.24	51.67	-22.33	74	40.99	31.7	9.12	30.14	333	215	P	V
5550MHz		5466.88	52.42	-15.78	68.2	41.74	31.7	9.12	30.14	333	215	P	V
		5459.92	43.23	-10.77	54	32.55	31.7	9.12	30.14	333	215	A	V
	*	5550	108.87	-	-	98.1	31.8	9.14	30.17	333	215	P	V
	*	5550	100.85	-	-	90.08	31.8	9.14	30.17	333	215	A	V
		5761.85	50.68	-17.52	68.2	39.45	32.07	9.45	30.29	333	215	P	V

		5454.3	50.72	-23.28	74	40.04	31.7	9.12	30.14	253	153	P	H
		5467.25	49.54	-18.66	68.2	38.86	31.7	9.12	30.14	253	153	P	H
		5431.55	42.06	-11.94	54	31.4	31.67	9.12	30.13	253	153	A	H
	*	5670	114.18	-	-	103.38	31.75	9.28	30.23	253	153	P	H
802.11n	*	5670	106.47	-	-	95.67	31.75	9.28	30.23	253	153	A	H
HT40		5726.5	62.38	-5.82	68.2	51.33	31.93	9.38	30.26	253	153	P	H
CH 134		5416.5	49.66	-24.34	74	39.05	31.63	9.11	30.13	372	218	P	V
5670MHz		5462.7	49.45	-18.75	68.2	38.77	31.7	9.12	30.14	372	218	P	V
		5412.3	41.75	-12.25	54	31.14	31.63	9.11	30.13	372	218	A	V
	*	5670	109.59	-	-	98.79	31.75	9.28	30.23	372	218	P	V
	*	5670	101.53	-	-	90.73	31.75	9.28	30.23	372	218	A	V
		5725.975	57.95	-10.25	68.2	46.9	31.93	9.38	30.26	372	218	P	V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	53.43	-20.57	74	61.59	40.33	13.47	61.96	104	144	P	H
		11020	44.68	-9.32	54	52.84	40.33	13.47	61.96	104	144	A	H
802.11n		16530	46.67	-21.53	68.2	50.34	38.7	17.24	59.61	100	0	P	H
HT40													H
CH 102		11020	58.2	-15.8	74	66.36	40.33	13.47	61.96	311	170	P	V
5510MHz		11020	49.09	-4.91	54	57.25	40.33	13.47	61.96	311	170	A	V
		16530	46.39	-21.81	68.2	50.06	38.7	17.24	59.61	100	0	P	V
													V
		11100	55.14	-18.86	74	63.41	40	13.53	61.8	102	145	P	H
		11100	46.85	-7.15	54	55.12	40	13.53	61.8	102	145	A	H
802.11n		16650	45.72	-22.48	68.2	48.77	39.2	17.41	59.66	100	0	P	H
HT40													H
CH 110		11100	58.55	-15.45	74	66.82	40	13.53	61.8	353	166	P	V
5550MHz		11100	50.15	-3.85	54	58.42	40	13.53	61.8	353	166	A	V
		16650	46.35	-21.85	68.2	49.4	39.2	17.41	59.66	100	0	P	V
													V
		11340	47.99	-26.01	74	55.44	39.87	14	61.32	100	0	P	H
		17010	47.49	-20.71	68.2	49.24	40.5	17.54	59.79	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	49.98	-24.02	74	57.43	39.87	14	61.32	100	0	P	V
5670MHz		17010	46.85	-21.35	68.2	48.6	40.5	17.54	59.79	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452.24	58.71	-15.29	74	48.03	31.7	9.12	30.14	100	143	P	H
		5467.36	59.54	-8.66	68.2	48.86	31.7	9.12	30.14	100	143	P	H
		5457.52	50.86	-3.14	54	40.18	31.7	9.12	30.14	100	143	A	H
	*	5530	106.99	-	-	96.29	31.73	9.14	30.17	100	143	P	H
	*	5530	99.35	-	-	88.65	31.73	9.14	30.17	100	143	A	H
802.11ac		5760.59	50.6	-17.6	68.2	39.37	32.07	9.45	30.29	100	143	P	H
VHT80		5459.92	52.72	-21.28	74	42.04	31.7	9.12	30.14	353	214	P	V
CH 106		5464.96	53.95	-14.25	68.2	43.27	31.7	9.12	30.14	353	214	P	V
5530MHz		5459.68	45.28	-8.72	54	34.6	31.7	9.12	30.14	353	214	A	V
	*	5530	101.44	-	-	90.74	31.73	9.14	30.17	353	214	P	V
	*	5530	93.75	-	-	83.05	31.73	9.14	30.17	353	214	A	V
		5757.755	50.65	-17.55	68.2	39.43	32.07	9.44	30.29	353	214	P	V
		5452.96	55.43	-18.57	74	44.75	31.7	9.12	30.14	100	151	P	H
		5464.24	55.88	-12.32	68.2	45.2	31.7	9.12	30.14	100	151	P	H
		5459.92	47.14	-6.86	54	36.46	31.7	9.12	30.14	100	151	A	H
	*	5610	111.22	-	-	100.46	31.8	9.17	30.21	100	151	P	H
	*	5610	103.81	-	-	93.05	31.8	9.17	30.21	100	151	A	H
802.11ac		5725.31	60.05	-8.15	68.2	49	31.93	9.38	30.26	100	151	P	H
VHT80		5459.92	51.71	-22.29	74	41.03	31.7	9.12	30.14	361	218	P	V
CH 122		5460.16	52.25	-15.95	68.2	41.57	31.7	9.12	30.14	361	218	P	V
5610MHz		5459.92	43.62	-10.38	54	32.94	31.7	9.12	30.14	361	218	A	V
	*	5610	105.58	-	-	94.82	31.8	9.17	30.21	361	218	P	V
	*	5610	98.07	-	-	87.31	31.8	9.17	30.21	361	218	A	V
		5725	54.23	-13.97	68.2	43.18	31.93	9.38	30.26	361	218	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	48.55	-25.45	74	56.8	40.13	13.5	61.88	100	0	P	H
		16590	46.12	-22.08	68.2	49.59	38.85	17.32	59.64	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	49.17	-24.83	74	57.42	40.13	13.5	61.88	100	0	P	V
5530MHz		16590	47.55	-20.65	68.2	51.02	38.85	17.32	59.64	100	0	P	V
													V
													V
		11220	48.5	-25.5	74	56.35	39.88	13.83	61.56	100	0	P	H
		16830	47.21	-20.99	68.2	49.26	40.2	17.48	59.73	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	54.33	-19.67	74	62.18	39.88	13.83	61.56	100	53	P	V
5610MHz		11220	43.06	-10.94	54	50.91	39.88	13.83	61.56	100	53	A	V
		16830	47.93	-20.27	68.2	49.98	40.2	17.48	59.73	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		5447.5	49.72	-24.28	74	39.03	31.7	9.12	30.13	262	161	P	H
		5467	48.76	-19.44	68.2	38.08	31.7	9.12	30.14	262	161	P	H
		5454.13	40.22	-13.78	54	29.54	31.7	9.12	30.14	262	161	A	H
	*	5720	115.44	-	-	104.4	31.93	9.37	30.26	262	161	P	H
	*	5720	108.03	-	-	96.99	31.93	9.37	30.26	262	161	A	H
		5904.25	52.21	-15.99	68.2	40.63	32.3	9.64	30.36	262	161	P	H
		5396.02	49.02	-24.98	74	38.45	31.6	9.1	30.13	317	216	P	V
		5468.56	47.81	-20.39	68.2	37.13	31.7	9.12	30.14	317	216	P	V
		5456.47	40	-14	54	29.32	31.7	9.12	30.14	317	216	A	V
	*	5720	110.03	-	-	98.99	31.93	9.37	30.26	317	216	P	V
	*	5720	102.49	-	-	91.45	31.93	9.37	30.26	317	216	A	V
		5884.75	50.16	-18.04	68.2	38.63	32.27	9.62	30.36	317	216	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	49	-25	74	56.11	40.07	13.94	61.12	100	0	P	H
		17160	49.16	-19.04	68.2	50.44	40.57	17.76	59.61	100	0	P	H
													H
													H
		11440	51.74	-22.26	74	58.85	40.07	13.94	61.12	288	84	P	V
		11440	42.02	-11.98	54	49.13	40.07	13.94	61.12	288	84	A	V
		17160	48.2	-20	68.2	49.48	40.57	17.76	59.61	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5433.46	50.99	-23.01	74	40.33	31.67	9.12	30.13	100	153	P	H
		5460.76	50.21	-17.99	68.2	39.53	31.7	9.12	30.14	100	153	P	H
		5429.95	41.49	-12.51	54	30.83	31.67	9.12	30.13	100	153	A	H
	*	5720	115.79	-	-	104.75	31.93	9.37	30.26	100	153	P	H
802.11n	*	5720	108.28	-	-	97.24	31.93	9.37	30.26	100	153	A	H
HT20		5894.5	52.5	-15.7	68.2	40.93	32.3	9.63	30.36	100	153	P	H
CH 144		5403.43	51.3	-22.7	74	40.72	31.6	9.11	30.13	390	220	P	V
5720MHz		5467	49.18	-19.02	68.2	38.5	31.7	9.12	30.14	390	220	P	V
		5459.98	41.18	-12.82	54	30.5	31.7	9.12	30.14	390	220	A	V
	*	5720	110.74	-	-	99.7	31.93	9.37	30.26	390	220	P	V
	*	5720	103.08	-	-	92.04	31.93	9.37	30.26	390	220	A	V
		5890.25	51.39	-16.81	68.2	39.83	32.3	9.62	30.36	390	220	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	50.13	-23.87	74	57.24	40.07	13.94	61.12	100	0	P	H
		17160	49.26	-18.94	68.2	50.54	40.57	17.76	59.61	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	54.37	-19.63	74	61.48	40.07	13.94	61.12	100	69	P	V
5720MHz		11440	43.2	-10.8	54	50.31	40.07	13.94	61.12	100	69	A	V
		17160	49.86	-18.34	68.2	51.14	40.57	17.76	59.61	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5409.67	50.41	-23.59	74	39.83	31.6	9.11	30.13	100	150	P	H
		5469.73	50.72	-17.48	68.2	40.04	31.7	9.12	30.14	100	150	P	H
		5456.86	42.34	-11.66	54	31.66	31.7	9.12	30.14	100	150	A	H
	*	5710	113.49	-	-	102.53	31.87	9.35	30.26	100	150	P	H
	*	5710	105.57	-	-	94.61	31.87	9.35	30.26	100	150	A	H
		5910	52.76	-15.44	68.2	41.15	32.33	9.65	30.37	100	150	P	H
		5426.44	50.03	-23.97	74	39.41	31.63	9.12	30.13	347	219	P	V
		5460.37	49.52	-18.68	68.2	38.84	31.7	9.12	30.14	347	219	P	V
		5451.01	41.89	-12.11	54	31.21	31.7	9.12	30.14	347	219	A	V
	*	5710	108.72	-	-	97.76	31.87	9.35	30.26	347	219	P	V
	*	5710	100.85	-	-	89.89	31.87	9.35	30.26	347	219	A	V
		5866.5	51.73	-16.47	68.2	40.24	32.23	9.6	30.34	347	219	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	48.47	-25.53	74	55.64	40.03	13.96	61.16	100	0	P	H
		17130	48.6	-19.6	68.2	50	40.53	17.71	59.64	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	49.09	-24.91	74	56.26	40.03	13.96	61.16	100	0	P	V
5710MHz		17130	48.23	-19.97	68.2	49.63	40.53	17.71	59.64	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5449.45	50.92	-23.08	74	40.23	31.7	9.12	30.13	100	150	P	H
		5465.44	50.52	-17.68	68.2	39.84	31.7	9.12	30.14	100	150	P	H
		5452.57	42.7	-11.3	54	32.02	31.7	9.12	30.14	100	150	A	H
	*	5690	110.48	-	-	99.61	31.8	9.32	30.25	100	150	P	H
802.11ac	*	5690	102.84	-	-	91.97	31.8	9.32	30.25	100	150	A	H
VHT80		5883.7	51.94	-16.26	68.2	40.41	32.27	9.62	30.36	100	150	P	H
CH 138		5408.5	50.4	-23.6	74	39.82	31.6	9.11	30.13	352	220	P	V
5690MHz		5463.49	49.63	-18.57	68.2	38.95	31.7	9.12	30.14	352	220	P	V
		5457.64	41.85	-12.15	54	31.17	31.7	9.12	30.14	352	220	A	V
	*	5690	105.83	-	-	94.96	31.8	9.32	30.25	352	220	P	V
	*	5690	98.32	-	-	87.45	31.8	9.32	30.25	352	220	A	V
		5931.4	51.63	-16.57	68.2	39.96	32.37	9.67	30.37	352	220	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	48.79	-25.21	74	56.07	39.97	13.99	61.24	100	0	P	H
		17070	48.45	-19.75	68.2	50.05	40.5	17.62	59.72	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	48.95	-25.05	74	56.23	39.97	13.99	61.24	100	0	P	V
5690MHz		17070	47.87	-20.33	68.2	49.47	40.5	17.62	59.72	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 LF		70.74	31.57	-8.43	40	50.58	12.45	1.1	32.56			P	H
		143.49	38.43	-5.07	43.5	51.88	17.5	1.55	32.5	210	286	Q	H
		236.61	31.84	-14.16	46	45.5	16.89	1.96	32.51			P	H
		309.36	33.91	-12.09	46	44.94	19.3	2.21	32.54			P	H
		407.33	27.15	-18.85	46	35.04	22.15	2.51	32.55			P	H
		741.01	30.09	-15.91	46	30.98	28.12	3.31	32.32			P	H
													H
													H
													H
													H
													H
													H
		36.79	34.67	-5.33	40	44.92	21.6	0.76	32.61	100	335	Q	V
		154.16	36.8	-6.7	43.5	50.78	16.9	1.62	32.5			P	V
		286.08	25.59	-20.41	46	36.9	19.02	2.2	32.53			P	V
		365.62	24	-22	46	33.37	20.81	2.37	32.55			P	V
		636.25	28.41	-17.59	46	31.2	26.62	3.12	32.53			P	V
		801.15	30.57	-15.43	46	30.96	28.28	3.52	32.19			P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5148.2	56.61	-17.39	74	46.28	31.8	8.63	30.1	100	263	P	H
		5147.94	47.15	-6.85	54	36.82	31.8	8.63	30.1	100	263	A	H
	*	5180	115.21	-	-	104.99	31.67	8.65	30.1	100	263	P	H
	*	5180	107.29	-	-	97.07	31.67	8.65	30.1	100	263	A	H
													H
													H
		5145.6	50.67	-23.33	74	40.34	31.8	8.63	30.1	397	330	P	V
		5150	43.03	-10.97	54	32.69	31.8	8.64	30.1	397	330	A	V
	*	5180	109.51	-	-	99.29	31.67	8.65	30.1	397	330	P	V
	*	5180	101.95	-	-	91.73	31.67	8.65	30.1	397	330	A	V
													V
													V
802.11a CH 44 5220MHz		5148.2	51.19	-22.81	74	40.86	31.8	8.63	30.1	100	268	P	H
		5149.24	42.51	-11.49	54	32.18	31.8	8.63	30.1	100	268	A	H
	*	5220	115.05	-	-	104.93	31.53	8.7	30.11	100	268	P	H
	*	5220	107.66	-	-	97.54	31.53	8.7	30.11	100	268	A	H
		5380.48	51.14	-22.86	74	40.67	31.53	9.07	30.13	100	268	P	H
		5354.16	42.13	-11.87	54	31.84	31.4	9.01	30.12	100	268	A	H
		5124.02	50.44	-23.56	74	40.09	31.83	8.62	30.1	398	351	P	V
		5149.24	41.05	-12.95	54	30.72	31.8	8.63	30.1	398	351	A	V
	*	5220	108.89	-	-	98.77	31.53	8.7	30.11	398	351	P	V
	*	5220	101.57	-	-	91.45	31.53	8.7	30.11	398	351	A	V
		5444.88	51.11	-22.89	74	40.45	31.67	9.12	30.13	398	351	P	V
		5431.72	41.05	-12.95	54	30.39	31.67	9.12	30.13	398	351	A	V

802.11a CH 48 5240MHz		5138.32	50.2	-23.8	74	39.84	31.83	8.63	30.1	100	267	P	H
		5145.86	41.6	-12.4	54	31.27	31.8	8.63	30.1	100	267	A	H
	*	5240	115.01	-	-	104.9	31.47	8.75	30.11	100	267	P	H
	*	5240	107.8	-	-	97.69	31.47	8.75	30.11	100	267	A	H
		5394.2	51.08	-22.92	74	40.58	31.53	9.1	30.13	100	267	P	H
		5354.44	42.25	-11.75	54	31.96	31.4	9.01	30.12	100	267	A	H
		5080.86	50.03	-23.97	74	39.62	31.9	8.6	30.09	357	48	P	V
		5102.7	40.9	-13.1	54	30.48	31.9	8.61	30.09	357	48	A	V
	*	5240	109.56	-	-	99.45	31.47	8.75	30.11	357	48	P	V
	*	5240	102.16	-	-	92.05	31.47	8.75	30.11	357	48	A	V
		5378.52	50.12	-23.88	74	39.66	31.53	9.06	30.13	357	48	P	V
		5393.08	41.14	-12.86	54	30.65	31.53	9.09	30.13	357	48	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	46.01	-22.19	68.2	54.66	39.37	13.33	61.35	100	0	P	H
		15540	45.96	-28.04	74	53.8	37.93	16.67	62.44	100	0	P	H
													H
													H
		10360	46.31	-21.89	68.2	54.96	39.37	13.33	61.35	100	0	P	V
		15540	46.09	-27.91	74	53.93	37.93	16.67	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.95	-21.25	68.2	55.53	39.53	13.38	61.49	100	0	P	H
		15660	45.32	-28.68	74	53.24	37.45	16.87	62.24	100	0	P	H
													H
													H
		10440	47.23	-20.97	68.2	55.81	39.53	13.38	61.49	100	0	P	V
		15660	45.2	-28.8	74	53.12	37.45	16.87	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.72	-21.48	68.2	55.3	39.58	13.4	61.56	100	0	P	H
		15720	45.42	-28.58	74	53.32	37.3	16.95	62.15	100	0	P	H
													H
													H
		10480	46.3	-21.9	68.2	54.88	39.58	13.4	61.56	100	0	P	V
		15720	45.85	-28.15	74	53.75	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5138.06	54.98	-19.02	74	44.62	31.83	8.63	30.1	101	271	P	H
		5149.76	47.27	-6.73	54	36.94	31.8	8.63	30.1	101	271	A	H
	*	5180	114.76	-	-	104.54	31.67	8.65	30.1	101	271	P	H
	*	5180	107.19	-	-	96.97	31.67	8.65	30.1	101	271	A	H
802.11n													H
HT20													H
CH 36		5139.36	52.1	-21.9	74	41.74	31.83	8.63	30.1	399	343	P	V
5180MHz		5144.04	42.5	-11.5	54	32.17	31.8	8.63	30.1	399	343	A	V
	*	5180	109.16	-	-	98.94	31.67	8.65	30.1	399	343	P	V
	*	5180	101.65	-	-	91.43	31.67	8.65	30.1	399	343	A	V
													V
													V
		5145.08	51.67	-22.33	74	41.34	31.8	8.63	30.1	100	270	P	H
		5150	43.5	-10.5	54	33.16	31.8	8.64	30.1	100	270	A	H
	*	5220	114.93	-	-	104.81	31.53	8.7	30.11	100	270	P	H
	*	5220	107.48	-	-	97.36	31.53	8.7	30.11	100	270	A	H
802.11n		5414.64	50.94	-23.06	74	40.33	31.63	9.11	30.13	100	270	P	H
HT20		5354.16	42.84	-11.16	54	32.55	31.4	9.01	30.12	100	270	A	H
CH 44		5020.8	50.06	-23.94	74	39.77	31.8	8.57	30.08	397	348	P	V
5220MHz		5148.2	41.12	-12.88	54	30.79	31.8	8.63	30.1	397	348	A	V
	*	5220	109.2	-	-	99.08	31.53	8.7	30.11	397	348	P	V
	*	5220	101.68	-	-	91.56	31.53	8.7	30.11	397	348	A	V
		5355.56	50.13	-23.87	74	39.84	31.4	9.01	30.12	397	348	P	V
		5391.68	41.09	-12.91	54	30.6	31.53	9.09	30.13	397	348	A	V

		5149.5	49.89	-24.11	74	39.56	31.8	8.63	30.1	100	260	P	H
		5149.76	41.77	-12.23	54	31.44	31.8	8.63	30.1	100	260	A	H
	*	5240	115.79	-	-	105.68	31.47	8.75	30.11	100	260	P	H
	*	5240	108.21	-	-	98.1	31.47	8.75	30.11	100	260	A	H
802.11n		5396.72	51.46	-22.54	74	40.89	31.6	9.1	30.13	100	260	P	H
HT20		5356.68	42.67	-11.33	54	32.38	31.4	9.01	30.12	100	260	A	H
CH 48		5074.36	49.93	-24.07	74	39.52	31.9	8.6	30.09	374	43	P	V
5240MHz		5116.22	40.85	-13.15	54	30.45	31.87	8.62	30.09	374	43	A	V
	*	5240	109.52	-	-	99.41	31.47	8.75	30.11	374	43	P	V
	*	5240	102.1	-	-	91.99	31.47	8.75	30.11	374	43	A	V
		5404.56	49.74	-24.26	74	39.16	31.6	9.11	30.13	374	43	P	V
		5369	41.23	-12.77	54	30.84	31.47	9.04	30.12	374	43	A	V

Remark

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

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	46.46	-21.74	68.2	55.11	39.37	13.33	61.35	100	0	P	H
		15540	44.78	-29.22	74	52.62	37.93	16.67	62.44	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	46.51	-21.69	68.2	55.16	39.37	13.33	61.35	100	0	P	V
5180MHz		15540	44.9	-29.1	74	52.74	37.93	16.67	62.44	100	0	P	V
													V
													V
		10440	46.16	-22.04	68.2	54.74	39.53	13.38	61.49	100	0	P	H
		15660	44.24	-29.76	74	52.16	37.45	16.87	62.24	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	46.21	-21.99	68.2	54.79	39.53	13.38	61.49	100	0	P	V
5220MHz		15660	44.58	-29.42	74	52.5	37.45	16.87	62.24	100	0	P	V
													V
													V
		10480	46.18	-22.02	68.2	54.76	39.58	13.4	61.56	100	0	P	H
		15720	45.65	-28.35	74	53.55	37.3	16.95	62.15	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	46.27	-21.93	68.2	54.85	39.58	13.4	61.56	100	0	P	V
5240MHz		15720	45.12	-28.88	74	53.02	37.3	16.95	62.15	100	0	P	V
													V
													V

Remark

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

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150	58.59	-15.41	74	48.25	31.8	8.64	30.1	100	264	P	H
		5150	50.66	-3.34	54	40.32	31.8	8.64	30.1	100	264	A	H
	*	5190	111.43	-	-	101.21	31.67	8.65	30.1	100	264	P	H
	*	5190	103.78	-	-	93.56	31.67	8.65	30.1	100	264	A	H
802.11n		5435.36	51.1	-22.9	74	40.44	31.67	9.12	30.13	100	264	P	H
HT40		5404	42.04	-11.96	54	31.46	31.6	9.11	30.13	100	264	A	H
CH 38		5082.94	50.73	-23.27	74	40.32	31.9	8.6	30.09	399	352	P	V
5190MHz		5144.04	42.62	-11.38	54	32.29	31.8	8.63	30.1	399	352	A	V
	*	5190	104.93	-	-	94.71	31.67	8.65	30.1	399	352	P	V
	*	5190	97.28	-	-	87.06	31.67	8.65	30.1	399	352	A	V
		5421.36	49.94	-24.06	74	39.33	31.63	9.11	30.13	399	352	P	V
		5391.4	41.46	-12.54	54	30.97	31.53	9.09	30.13	399	352	A	V
		5146.38	59.06	-14.94	74	48.73	31.8	8.63	30.1	100	270	P	H
		5149.76	51.6	-2.4	54	41.27	31.8	8.63	30.1	100	270	A	H
	*	5230	116.93	-	-	106.84	31.47	8.73	30.11	100	270	P	H
	*	5230	109.11	-	-	99.02	31.47	8.73	30.11	100	270	A	H
802.11n		5350.8	52.11	-21.89	74	41.83	31.4	9	30.12	100	270	P	H
HT40		5353.88	43.72	-10.28	54	33.43	31.4	9.01	30.12	100	270	A	H
CH 46		5147.94	50.24	-23.76	74	39.91	31.8	8.63	30.1	398	47	P	V
5230MHz		5143	43	-11	54	32.67	31.8	8.63	30.1	398	47	A	V
	*	5230	110.72	-	-	100.63	31.47	8.73	30.11	398	47	P	V
	*	5230	102.89	-	-	92.8	31.47	8.73	30.11	398	47	A	V
		5361.72	50.75	-23.25	74	40.38	31.47	9.02	30.12	398	47	P	V
		5350	42.6	-11.4	54	32.32	31.4	9	30.12	398	47	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	46.76	-21.44	68.2	55.37	39.43	13.34	61.38	100	0	P	H
		15570	44.98	-29.02	74	52.87	37.77	16.73	62.39	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	45.84	-22.36	68.2	54.45	39.43	13.34	61.38	100	0	P	V
5190MHz		15570	44.74	-29.26	74	52.63	37.77	16.73	62.39	100	0	P	V
													V
													V
		10460	47.41	-20.79	68.2	56	39.55	13.39	61.53	100	0	P	H
		15690	46.24	-27.76	74	54.17	37.35	16.92	62.2	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	47.64	-20.56	68.2	56.23	39.55	13.39	61.53	100	0	P	V
5230MHz		15690	45.24	-28.76	74	53.17	37.35	16.92	62.2	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.68	61.35	-12.65	74	51.02	31.8	8.63	30.1	100	272	P	H
		5145.6	52.63	-1.37	54	42.3	31.8	8.63	30.1	100	272	A	H
	*	5210	105.67	-	-	95.57	31.53	8.68	30.11	100	272	P	H
	*	5210	97.94	-	-	87.84	31.53	8.68	30.11	100	272	A	H
802.11ac		5368.72	50.22	-23.78	74	39.83	31.47	9.04	30.12	100	272	P	H
VHT80		5375.72	42.07	-11.93	54	31.67	31.47	9.06	30.13	100	272	A	H
CH 42		5147.42	55.76	-18.24	74	45.43	31.8	8.63	30.1	400	355	P	V
5210MHz		5145.6	47.05	-6.95	54	36.72	31.8	8.63	30.1	400	355	A	V
	*	5210	99.44	-	-	89.34	31.53	8.68	30.11	400	355	P	V
	*	5210	91.91	-	-	81.81	31.53	8.68	30.11	400	355	A	V
		5408.2	50.06	-23.94	74	39.48	31.6	9.11	30.13	400	355	P	V
		5449.92	41.59	-12.41	54	30.91	31.7	9.12	30.14	400	355	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.32	-21.88	68.2	54.9	39.52	13.36	61.46	100	0	P	H
		15630	44.77	-29.23	74	52.74	37.5	16.82	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	46.55	-21.65	68.2	55.13	39.52	13.36	61.46	100	0	P	V
5210MHz		15630	44.31	-29.69	74	52.28	37.5	16.82	62.29	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI 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		5129.88	50.53	-23.47	74	40.18	31.83	8.62	30.1	100	265	P	H
		5141.78	41.12	-12.88	54	30.79	31.8	8.63	30.1	100	265	A	H
	*	5260	114.87	-	-	104.78	31.4	8.8	30.11	100	265	P	H
	*	5260	107.69	-	-	97.6	31.4	8.8	30.11	100	265	A	H
		5369.76	52.27	-21.73	74	41.88	31.47	9.04	30.12	100	265	P	H
		5350.8	42.93	-11.07	54	32.65	31.4	9	30.12	100	265	A	H
		5140.08	50.39	-23.61	74	40.06	31.8	8.63	30.1	385	330	P	V
		5091.46	40.8	-13.2	54	30.38	31.9	8.61	30.09	385	330	A	V
	*	5260	109.43	-	-	99.34	31.4	8.8	30.11	385	330	P	V
	*	5260	101.96	-	-	91.87	31.4	8.8	30.11	385	330	A	V
		5354.64	50.77	-23.23	74	40.48	31.4	9.01	30.12	385	330	P	V
		5391.6	41.1	-12.9	54	30.61	31.53	9.09	30.13	385	330	A	V
802.11a CH 60 5300MHz		5102	50.12	-23.88	74	39.7	31.9	8.61	30.09	100	268	P	H
		5136.34	41.07	-12.93	54	30.71	31.83	8.63	30.1	100	268	A	H
	*	5300	114.02	-	-	103.85	31.4	8.89	30.12	100	268	P	H
	*	5300	106.68	-	-	96.51	31.4	8.89	30.12	100	268	A	H
		5354.64	54.31	-19.69	74	44.02	31.4	9.01	30.12	100	268	P	H
		5350.8	45.61	-8.39	54	35.33	31.4	9	30.12	100	268	A	H
		5107.1	51.18	-22.82	74	40.79	31.87	8.61	30.09	400	332	P	V
		5043.86	40.84	-13.16	54	30.45	31.9	8.58	30.09	400	332	A	V
	*	5300	108.68	-	-	98.51	31.4	8.89	30.12	400	332	P	V
	*	5300	101.22	-	-	91.05	31.4	8.89	30.12	400	332	A	V
		5357.52	50.37	-23.63	74	40.08	31.4	9.01	30.12	400	332	P	V
		5354.64	41.88	-12.12	54	31.59	31.4	9.01	30.12	400	332	A	V

802.11a CH 64 5320MHz	*	5320	115.18	-	-	104.97	31.4	8.93	30.12	100	269	P	H
	*	5320	107.58	-	-	97.37	31.4	8.93	30.12	100	269	A	H
		5351.84	56.68	-17.32	74	46.4	31.4	9	30.12	100	269	P	H
		5353.44	47.08	-6.92	54	36.79	31.4	9.01	30.12	100	269	A	H
													H
													H
	*	5320	109.29	-	-	99.08	31.4	8.93	30.12	381	206	P	V
	*	5320	101.94	-	-	91.73	31.4	8.93	30.12	381	206	A	V
		5358.24	51.63	-22.37	74	41.33	31.4	9.02	30.12	381	206	P	V
		5352.96	43.03	-10.97	54	32.75	31.4	9	30.12	381	206	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.55	-21.65	68.2	55.13	39.63	13.41	61.62	100	0	P	H
		15780	44.38	-29.62	74	52.1	37.3	17.03	62.05	100	0	P	H
													H
													H
		10520	46.77	-21.43	68.2	55.35	39.63	13.41	61.62	100	0	P	V
		15780	44.61	-29.39	74	52.33	37.3	17.03	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	46.27	-27.73	74	54.75	39.8	13.4	61.68	100	0	P	H
		15900	44.73	-29.27	74	52.4	37	17.19	61.86	100	0	P	H
													H
													H
		10600	46.78	-27.22	74	55.26	39.8	13.4	61.68	100	0	P	V
		15900	45.61	-28.39	74	53.28	37	17.19	61.86	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	46.16	-27.84	74	54.67	39.8	13.4	61.71	100	0	P	H
		15960	44.46	-29.54	74	52.12	36.93	17.17	61.76	100	0	P	H
													H
													H
		10640	47.1	-26.9	74	55.61	39.8	13.4	61.71	100	0	P	V
		15960	45.59	-28.41	74	53.25	36.93	17.17	61.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5055.42	50.94	-23.06	74	40.54	31.9	8.59	30.09	100	277	P	H
		5142.8	41.39	-12.61	54	31.06	31.8	8.63	30.1	100	277	A	H
	*	5260	115.74	-	-	105.65	31.4	8.8	30.11	100	277	P	H
	*	5260	108	-	-	97.91	31.4	8.8	30.11	100	277	A	H
802.11n		5363.28	52.8	-21.2	74	42.42	31.47	9.03	30.12	100	277	P	H
HT20		5350.56	43.62	-10.38	54	33.34	31.4	9	30.12	100	277	A	H
CH 52		5020.06	50.57	-23.43	74	40.38	31.7	8.57	30.08	400	349	P	V
5260MHz		5101.66	40.84	-13.16	54	30.42	31.9	8.61	30.09	400	349	A	V
	*	5260	110.19	-	-	100.1	31.4	8.8	30.11	400	349	P	V
	*	5260	102.56	-	-	92.47	31.4	8.8	30.11	400	349	A	V
		5369.52	50.71	-23.29	74	40.32	31.47	9.04	30.12	400	349	P	V
		5350.56	41.36	-12.64	54	31.08	31.4	9	30.12	400	349	A	V
		5099.62	50.12	-23.88	74	39.7	31.9	8.61	30.09	100	261	P	H
		5145.52	41.15	-12.85	54	30.82	31.8	8.63	30.1	100	261	A	H
	*	5300	115.49	-	-	105.32	31.4	8.89	30.12	100	261	P	H
	*	5300	107.98	-	-	97.81	31.4	8.89	30.12	100	261	A	H
802.11n		5352	54.62	-19.38	74	44.34	31.4	9	30.12	100	261	P	H
HT20		5351.28	45.82	-8.18	54	35.54	31.4	9	30.12	100	261	A	H
CH 60		5066.3	50.1	-23.9	74	39.7	31.9	8.59	30.09	400	328	P	V
5300MHz		5130.56	40.76	-13.24	54	30.4	31.83	8.63	30.1	400	328	A	V
	*	5300	109.64	-	-	99.47	31.4	8.89	30.12	400	328	P	V
	*	5300	101.85	-	-	91.68	31.4	8.89	30.12	400	328	A	V
		5366.4	50.77	-23.23	74	40.39	31.47	9.03	30.12	400	328	P	V
		5350.08	41.81	-12.19	54	31.53	31.4	9	30.12	400	328	A	V

	*	5320	115.26	-	-	105.05	31.4	8.93	30.12	100	272	P	H
	*	5320	107.64	-	-	97.43	31.4	8.93	30.12	100	272	A	H
		5370.88	55.91	-18.09	74	45.52	31.47	9.04	30.12	100	272	P	H
		5350.4	46.91	-7.09	54	36.63	31.4	9	30.12	100	272	A	H
802.11n													H
HT20													H
CH 64	*	5320	109.78	-	-	99.57	31.4	8.93	30.12	356	182	P	V
5320MHz	*	5320	102.13	-	-	91.92	31.4	8.93	30.12	356	182	A	V
		5364	51.56	-22.44	74	41.18	31.47	9.03	30.12	356	182	P	V
		5365.12	43.07	-10.93	54	32.69	31.47	9.03	30.12	356	182	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	44.76	-23.44	68.2	53.34	39.63	13.41	61.62	100	0	P	H
		15780	44.61	-29.39	74	52.33	37.3	17.03	62.05	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	45.22	-22.98	68.2	53.8	39.63	13.41	61.62	100	0	P	V
5260MHz		15780	45.85	-28.15	74	53.57	37.3	17.03	62.05	100	0	P	V
													V
													V
		10600	46.95	-27.05	74	55.43	39.8	13.4	61.68	100	0	P	H
		15900	45.65	-28.35	74	53.32	37	17.19	61.86	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	46.15	-27.85	74	54.63	39.8	13.4	61.68	100	0	P	V
5300MHz		15900	44.52	-29.48	74	52.19	37	17.19	61.86	100	0	P	V
													V
													V
		10640	46.29	-27.71	74	54.8	39.8	13.4	61.71	100	0	P	H
		15960	44.9	-29.1	74	52.56	36.93	17.17	61.76	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	46.54	-27.46	74	55.05	39.8	13.4	61.71	100	0	P	V
5320MHz		15960	44.58	-29.42	74	52.24	36.93	17.17	61.76	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5066.3	50.68	-23.32	74	40.28	31.9	8.59	30.09	100	263	P	H
		5140.76	41.86	-12.14	54	31.53	31.8	8.63	30.1	100	263	A	H
	*	5270	116.1	-	-	105.99	31.4	8.82	30.11	100	263	P	H
	*	5270	108.18	-	-	98.07	31.4	8.82	30.11	100	263	A	H
802.11n		5353.68	55.1	-18.9	74	44.81	31.4	9.01	30.12	100	263	P	H
HT40		5350.32	47.5	-6.5	54	37.22	31.4	9	30.12	100	263	A	H
CH 54		5046.24	49.6	-24.4	74	39.21	31.9	8.58	30.09	397	5	P	V
5270MHz		5139.74	41.56	-12.44	54	31.23	31.8	8.63	30.1	397	5	A	V
	*	5270	109.2	-	-	99.09	31.4	8.82	30.11	397	5	P	V
	*	5270	101.33	-	-	91.22	31.4	8.82	30.11	397	5	A	V
		5358.72	50.99	-23.01	74	40.69	31.4	9.02	30.12	397	5	P	V
		5351.04	43.16	-10.84	54	32.88	31.4	9	30.12	397	5	A	V
		5124.78	50.79	-23.21	74	40.44	31.83	8.62	30.1	100	261	P	H
		5096.22	41.81	-12.19	54	31.39	31.9	8.61	30.09	100	261	A	H
	*	5310	109.71	-	-	99.52	31.4	8.91	30.12	100	261	P	H
	*	5310	101.86	-	-	91.67	31.4	8.91	30.12	100	261	A	H
802.11n		5350.8	61.44	-12.56	74	51.16	31.4	9	30.12	100	261	P	H
HT40		5350.8	52.9	-1.1	54	42.62	31.4	9	30.12	100	261	A	H
CH 62		5029.92	49.63	-24.37	74	39.34	31.8	8.57	30.08	400	201	P	V
5310MHz		5074.8	41.54	-12.46	54	31.13	31.9	8.6	30.09	400	201	A	V
	*	5310	103.73	-	-	93.54	31.4	8.91	30.12	400	201	P	V
	*	5310	95.99	-	-	85.8	31.4	8.91	30.12	400	201	A	V
		5350.08	52.72	-21.28	74	42.44	31.4	9	30.12	400	201	P	V
		5350.8	46.77	-7.23	54	36.49	31.4	9	30.12	400	201	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	46.36	-21.84	68.2	54.91	39.67	13.41	61.63	100	0	P	H
		15810	45.16	-28.84	74	52.78	37.3	17.08	62	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	48.63	-19.57	68.2	57.18	39.67	13.41	61.63	100	0	P	V
5270MHz		15810	44.71	-29.29	74	52.33	37.3	17.08	62	100	0	P	V
													V
													V
		10620	46.95	-27.05	74	55.44	39.8	13.41	61.7	100	0	P	H
		15930	44.22	-29.78	74	51.87	36.97	17.19	61.81	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	46.81	-27.19	74	55.3	39.8	13.41	61.7	100	0	P	V
5310MHz		15930	44.55	-29.45	74	52.2	36.97	17.19	61.81	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5031.62	50.3	-23.7	74	40	31.8	8.58	30.08	100	266	P	H
		5074.8	41.85	-12.15	54	31.44	31.9	8.6	30.09	100	266	A	H
	*	5290	101.33	-	-	91.18	31.4	8.86	30.11	100	266	P	H
	*	5290	94.27	-	-	84.12	31.4	8.86	30.11	100	266	A	H
802.11ac		5353.2	59.3	-14.7	74	49.02	31.4	9	30.12	100	266	P	H
VHT80		5353.44	52.41	-1.59	54	42.12	31.4	9.01	30.12	100	266	A	H
CH 58		5045.22	49.89	-24.11	74	39.5	31.9	8.58	30.09	380	193	P	V
5290MHz		5098.6	41.79	-12.21	54	31.37	31.9	8.61	30.09	380	193	A	V
	*	5290	95.23	-	-	85.08	31.4	8.86	30.11	380	193	P	V
	*	5290	87.63	-	-	77.48	31.4	8.86	30.11	380	193	A	V
		5350.08	52.25	-21.75	74	41.97	31.4	9	30.12	380	193	P	V
		5350.08	45.58	-8.42	54	35.3	31.4	9	30.12	380	193	A	V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.22	-21.98	68.2	54.7	39.77	13.41	61.66	100	0	P	H
		15870	44.49	-29.51	74	52.18	37.06	17.16	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.47	-21.73	68.2	54.95	39.77	13.41	61.66	100	0	P	V
5290MHz		15870	45.19	-28.81	74	52.88	37.06	17.16	61.91	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI 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		5450	52.49	-21.51	74	41.81	31.7	9.12	30.14	100	282	P	H
		5464.4	52.99	-15.21	68.2	42.31	31.7	9.12	30.14	100	282	P	H
		5459.92	44.03	-9.97	54	33.35	31.7	9.12	30.14	100	282	A	H
	*	5500	112.21	-	-	101.52	31.7	9.13	30.14	100	282	P	H
	*	5500	104.94	-	-	94.25	31.7	9.13	30.14	100	282	A	H
													H
		5455.92	50.71	-23.29	74	40.03	31.7	9.12	30.14	398	185	P	V
		5469.36	51.38	-16.82	68.2	40.7	31.7	9.12	30.14	398	185	P	V
		5454.32	42.13	-11.87	54	31.45	31.7	9.12	30.14	398	185	A	V
	*	5500	107.27	-	-	96.58	31.7	9.13	30.14	398	185	P	V
	*	5500	99.92	-	-	89.23	31.7	9.13	30.14	398	185	A	V
													V
802.11a CH 116 5580MHz		5451.28	50.56	-23.44	74	39.88	31.7	9.12	30.14	100	280	P	H
		5461.36	50.5	-17.7	68.2	39.82	31.7	9.12	30.14	100	280	P	H
		5455.12	41.76	-12.24	54	31.08	31.7	9.12	30.14	100	280	A	H
	*	5580	112.89	-	-	102.13	31.8	9.15	30.19	100	280	P	H
	*	5580	105.36	-	-	94.6	31.8	9.15	30.19	100	280	A	H
		5730.98	50.62	-17.58	68.2	39.57	31.93	9.39	30.27	100	280	P	H
		5404.24	50.78	-23.22	74	40.2	31.6	9.11	30.13	390	203	P	V
		5467.6	51.21	-16.99	68.2	40.53	31.7	9.12	30.14	390	203	P	V
		5458.24	41.36	-12.64	54	30.68	31.7	9.12	30.14	390	203	A	V
	*	5580	108.47	-	-	97.71	31.8	9.15	30.19	390	203	P	V
	*	5580	101.11	-	-	90.35	31.8	9.15	30.19	390	203	A	V
		5753.03	50.82	-17.38	68.2	39.59	32.07	9.43	30.27	390	203	P	V

802.11a CH 140 5700MHz	*	5700	113.11	-	-	102.22	31.8	9.34	30.25	100	288	P	H
	*	5700	105.63	-	-	94.74	31.8	9.34	30.25	100	288	A	H
		5726.6	55.85	-12.35	68.2	44.8	31.93	9.38	30.26	100	288	P	H
													H
													H
													H
	*	5700	107.72	-	-	96.83	31.8	9.34	30.25	358	199	P	V
	*	5700	100.48	-	-	89.59	31.8	9.34	30.25	358	199	A	V
		5742.28	53.25	-14.95	68.2	42.11	32	9.41	30.27	358	199	P	V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	54.05	-19.95	74	62.21	40.4	13.44	62	100	241	P	H
		11000	45.23	-8.77	54	53.39	40.4	13.44	62	100	241	A	H
		16500	47.13	-21.07	68.2	50.92	38.6	17.21	59.6	100	0	P	H
													H
		11000	57.8	-16.2	74	65.96	40.4	13.44	62	395	166	P	V
		11000	48.96	-5.04	54	57.12	40.4	13.44	62	395	166	A	V
		16500	47.21	-20.99	68.2	51	38.6	17.21	59.6	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	49.89	-24.11	74	57.97	39.93	13.67	61.68	100	0	P	H
		16740	46.47	-21.73	68.2	48.91	39.78	17.48	59.7	100	0	P	H
													H
													H
		11160	53.68	-20.32	74	61.76	39.93	13.67	61.68	356	165	P	V
		11160	44.68	-9.32	54	52.76	39.93	13.67	61.68	356	165	A	V
		16740	47.21	-20.99	68.2	49.65	39.78	17.48	59.7	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	47.71	-26.29	74	54.94	40	13.97	61.2	100	0	P	H
		17100	47.78	-20.42	68.2	49.3	40.5	17.66	59.68	100	0	P	H
													H
													H
		11400	47.72	-26.28	74	54.95	40	13.97	61.2	100	0	P	V
		17100	47.67	-20.53	68.2	49.19	40.5	17.66	59.68	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.68	52.83	-21.17	74	42.15	31.7	9.12	30.14	100	275	P	H
		5467.12	53.14	-15.06	68.2	42.46	31.7	9.12	30.14	100	275	P	H
		5459.12	44.77	-9.23	54	34.09	31.7	9.12	30.14	100	275	A	H
	*	5500	113.12	-	-	102.43	31.7	9.13	30.14	100	275	P	H
802.11n	*	5500	105.43	-	-	94.74	31.7	9.13	30.14	100	275	A	H
HT20													H
CH 100		5448.88	51.38	-22.62	74	40.69	31.7	9.12	30.13	400	183	P	V
5500MHz		5461.04	50.72	-17.48	68.2	40.04	31.7	9.12	30.14	400	183	P	V
		5458.16	42.74	-11.26	54	32.06	31.7	9.12	30.14	400	183	A	V
	*	5500	108.62	-	-	97.93	31.7	9.13	30.14	400	183	P	V
	*	5500	100.68	-	-	89.99	31.7	9.13	30.14	400	183	A	V
													V
		5443.36	51.68	-22.32	74	41.02	31.67	9.12	30.13	100	272	P	H
		5465.2	50.92	-17.28	68.2	40.24	31.7	9.12	30.14	100	272	P	H
		5452.96	42.21	-11.79	54	31.53	31.7	9.12	30.14	100	272	A	H
	*	5580	112.67	-	-	101.91	31.8	9.15	30.19	100	272	P	H
802.11n	*	5580	105.1	-	-	94.34	31.8	9.15	30.19	100	272	A	H
HT20		5759.96	53.24	-14.96	68.2	42.01	32.07	9.45	30.29	100	272	P	H
CH 116		5365.84	50.52	-23.48	74	40.14	31.47	9.03	30.12	350	213	P	V
5580MHz		5462.8	49.97	-18.23	68.2	39.29	31.7	9.12	30.14	350	213	P	V
		5459.2	41.57	-12.43	54	30.89	31.7	9.12	30.14	350	213	A	V
	*	5580	108.64	-	-	97.88	31.8	9.15	30.19	350	213	P	V
	*	5580	100.68	-	-	89.92	31.8	9.15	30.19	350	213	A	V
		5725	50.27	-17.93	68.2	39.22	31.93	9.38	30.26	350	213	P	V

	*	5700	112.41	-	-	101.52	31.8	9.34	30.25	100	265	P	H
	*	5700	104.62	-	-	93.73	31.8	9.34	30.25	100	265	A	H
		5736.44	56.04	-12.16	68.2	44.91	32	9.4	30.27	100	265	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	108.6	-	-	97.71	31.8	9.34	30.25	385	210	P	V
5700MHz	*	5700	100.55	-	-	89.66	31.8	9.34	30.25	385	210	A	V
		5725	53.82	-14.38	68.2	42.77	31.93	9.38	30.26	385	210	P	V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	54.87	-19.13	74	63.03	40.4	13.44	62	100	246	P	H
		11000	45.51	-8.49	54	53.67	40.4	13.44	62	100	246	A	H
802.11n		16500	45.88	-22.32	68.2	49.67	38.6	17.21	59.6	100	0	P	H
HT20													H
CH 100		11000	61.66	-12.34	74	69.82	40.4	13.44	62	385	168	P	V
5500MHz		11000	49.43	-4.57	54	57.59	40.4	13.44	62	385	168	A	V
		16500	47.42	-20.78	68.2	51.21	38.6	17.21	59.6	100	0	P	V
													V
		11160	47.56	-26.44	74	55.64	39.93	13.67	61.68	100	0	P	H
		16740	47.86	-20.34	68.2	50.3	39.78	17.48	59.7	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	49.01	-24.99	74	57.09	39.93	13.67	61.68	100	0	P	V
5580MHz		16740	47.98	-20.22	68.2	50.42	39.78	17.48	59.7	100	0	P	V
													V
													V
		11400	48.72	-25.28	74	55.95	40	13.97	61.2	100	0	P	H
		17100	48.02	-20.18	68.2	49.54	40.5	17.66	59.68	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	49.65	-24.35	74	56.88	40	13.97	61.2	100	0	P	V
5700MHz		17100	49.3	-18.9	68.2	50.82	40.5	17.66	59.68	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n 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)
		5452.72	54.43	-19.57	74	43.75	31.7	9.12	30.14	100	273	P	H
		5461.6	55.74	-12.46	68.2	45.06	31.7	9.12	30.14	100	273	P	H
		5458.96	47.14	-6.86	54	36.46	31.7	9.12	30.14	100	273	A	H
	*	5510	110.51	-	-	99.83	31.7	9.13	30.15	100	273	P	H
	*	5510	103.15	-	-	92.47	31.7	9.13	30.15	100	273	A	H
802.11n		5732.24	49.36	-18.84	68.2	38.31	31.93	9.39	30.27	100	273	P	H
HT40		5424.88	53.08	-20.92	74	42.47	31.63	9.11	30.13	400	187	P	V
CH 102		5464.24	52.66	-15.54	68.2	41.98	31.7	9.12	30.14	400	187	P	V
5510MHz		5452.24	43.26	-10.74	54	32.58	31.7	9.12	30.14	400	187	A	V
	*	5510	106.13	-	-	95.45	31.7	9.13	30.15	400	187	P	V
	*	5510	98.39	-	-	87.71	31.7	9.13	30.15	400	187	A	V
		5737.91	49.09	-19.11	68.2	37.95	32	9.41	30.27	400	187	P	V
		5420.32	52.12	-21.88	74	41.51	31.63	9.11	30.13	100	286	P	H
		5464	51.94	-16.26	68.2	41.26	31.7	9.12	30.14	100	286	P	H
		5458	43.9	-10.1	54	33.22	31.7	9.12	30.14	100	286	A	H
	*	5550	113.27	-	-	102.5	31.8	9.14	30.17	100	286	P	H
	*	5550	105.66	-	-	94.89	31.8	9.14	30.17	100	286	A	H
802.11n		5740.115	51.95	-16.25	68.2	40.81	32	9.41	30.27	100	286	P	H
HT40		5405.68	51.64	-22.36	74	41.06	31.6	9.11	30.13	400	203	P	V
CH 110		5466.88	51.19	-17.01	68.2	40.51	31.7	9.12	30.14	400	203	P	V
5550MHz		5452.96	42.82	-11.18	54	32.14	31.7	9.12	30.14	400	203	A	V
	*	5550	109.07	-	-	98.3	31.8	9.14	30.17	400	203	P	V
	*	5550	101.45	-	-	90.68	31.8	9.14	30.17	400	203	A	V
		5760.905	51.31	-16.89	68.2	40.08	32.07	9.45	30.29	400	203	P	V

		5453.95	51.19	-22.81	74	40.51	31.7	9.12	30.14	100	272	P	H
		5463.4	51.65	-16.55	68.2	40.97	31.7	9.12	30.14	100	272	P	H
		5420.7	42.38	-11.62	54	31.77	31.63	9.11	30.13	100	272	A	H
	*	5670	113.02	-	-	102.22	31.75	9.28	30.23	100	272	P	H
802.11n	*	5670	105.27	-	-	94.47	31.75	9.28	30.23	100	272	A	H
HT40		5728.25	57.22	-10.98	68.2	46.16	31.93	9.39	30.26	100	272	P	H
CH 134		5451.15	50.33	-23.67	74	39.65	31.7	9.12	30.14	352	185	P	V
5670MHz		5460.95	49.45	-18.75	68.2	38.77	31.7	9.12	30.14	352	185	P	V
		5434.7	42.07	-11.93	54	31.41	31.67	9.12	30.13	352	185	A	V
	*	5670	108.22	-	-	97.42	31.75	9.28	30.23	352	185	P	V
	*	5670	100.43	-	-	89.63	31.75	9.28	30.23	352	185	A	V
		5725.1	53.01	-15.19	68.2	41.96	31.93	9.38	30.26	352	185	P	V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	53.8	-20.2	74	61.96	40.33	13.47	61.96	100	242	P	H
		11020	46.84	-7.16	54	55	40.33	13.47	61.96	100	242	A	H
802.11n		16530	46.17	-22.03	68.2	49.84	38.7	17.24	59.61	100	0	P	H
HT40													H
CH 102		11020	57.82	-16.18	74	65.98	40.33	13.47	61.96	365	166	P	V
5510MHz		11020	50.49	-3.51	54	58.65	40.33	13.47	61.96	365	166	A	V
		16530	45.69	-22.51	68.2	49.36	38.7	17.24	59.61	100	0	P	V
													V
		11100	55.17	-18.83	74	63.44	40	13.53	61.8	243	167	P	H
		11100	46.48	-7.52	54	54.75	40	13.53	61.8	243	167	A	H
802.11n		16650	46.51	-21.69	68.2	49.56	39.2	17.41	59.66	100	0	P	H
HT40													H
CH 110		11100	57.6	-16.4	74	65.87	40	13.53	61.8	398	165	P	V
5550MHz		11100	49.63	-4.37	54	57.9	40	13.53	61.8	398	165	A	V
		16650	46.56	-21.64	68.2	49.61	39.2	17.41	59.66	100	0	P	V
													V
		11340	48.47	-25.53	74	55.92	39.87	14	61.32	100	0	P	H
		17010	47.69	-20.51	68.2	49.44	40.5	17.54	59.79	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	54.29	-19.71	74	61.74	39.87	14	61.32	100	207	P	V
5670MHz		11340	45.82	-8.18	54	53.27	39.87	14	61.32	100	207	A	V
		17010	47.99	-20.21	68.2	49.74	40.5	17.54	59.79	100	0	P	V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.36	59.56	-14.44	74	48.88	31.7	9.12	30.14	100	286	P	H
		5468.8	58.2	-10	68.2	47.52	31.7	9.12	30.14	100	286	P	H
		5456.56	51.75	-2.25	54	41.07	31.7	9.12	30.14	100	286	A	H
	*	5530	107.41	-	-	96.71	31.73	9.14	30.17	100	286	P	H
802.11ac	*	5530	99.86	-	-	89.16	31.73	9.14	30.17	100	286	A	H
VHT80		5736.335	49.78	-18.42	68.2	38.65	32	9.4	30.27	100	286	P	H
CH 106		5458.96	54.9	-19.1	74	44.22	31.7	9.12	30.14	322	190	P	V
5530MHz		5460.64	54.29	-13.91	68.2	43.61	31.7	9.12	30.14	322	190	P	V
		5456.32	47.29	-6.71	54	36.61	31.7	9.12	30.14	322	190	A	V
	*	5530	102.81	-	-	92.11	31.73	9.14	30.17	322	190	P	V
	*	5530	95.28	-	-	84.58	31.73	9.14	30.17	322	190	A	V
		5742.95	50.63	-17.57	68.2	39.49	32	9.41	30.27	322	190	P	V
		5458.48	52.46	-21.54	74	41.78	31.7	9.12	30.14	100	288	P	H
		5468.8	53.92	-14.28	68.2	43.24	31.7	9.12	30.14	100	288	P	H
		5458.72	44.05	-9.95	54	33.37	31.7	9.12	30.14	100	288	A	H
	*	5610	110.76	-	-	100	31.8	9.17	30.21	100	288	P	H
802.11ac	*	5610	102.96	-	-	92.2	31.8	9.17	30.21	100	288	A	H
VHT80		5738.54	53.58	-14.62	68.2	42.44	32	9.41	30.27	100	288	P	H
CH 122		5426.56	50.54	-23.46	74	39.92	31.63	9.12	30.13	377	191	P	V
5610MHz		5462.08	50.98	-17.22	68.2	40.3	31.7	9.12	30.14	377	191	P	V
		5457.76	42.32	-11.68	54	31.64	31.7	9.12	30.14	377	191	A	V
	*	5610	105.9	-	-	95.14	31.8	9.17	30.21	377	191	P	V
	*	5610	98.33	-	-	87.57	31.8	9.17	30.21	377	191	A	V
		5740.43	51.68	-16.52	68.2	40.54	32	9.41	30.27	377	191	P	V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	48.51	-25.49	74	56.76	40.13	13.5	61.88	100	0	P	H
		16590	45.64	-22.56	68.2	49.11	38.85	17.32	59.64	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	49.36	-24.64	74	57.61	40.13	13.5	61.88	100	0	P	V
5530MHz		16590	45.26	-22.94	68.2	48.73	38.85	17.32	59.64	100	0	P	V
													V
													V
		11220	48.27	-25.73	74	56.12	39.88	13.83	61.56	100	0	P	H
		16830	48.84	-19.36	68.2	50.89	40.2	17.48	59.73	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	49.87	-24.13	74	57.72	39.88	13.83	61.56	100	0	P	V
5610MHz		16830	47.59	-20.61	68.2	49.64	40.2	17.48	59.73	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel
WIFI 802.11a (Band Edge @ 3m)

WIFI 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		5459.2	50.5	-23.5	74	39.82	31.7	9.12	30.14	100	289	P	H
		5461.15	50.78	-17.42	68.2	40.1	31.7	9.12	30.14	100	289	P	H
		5420.59	41.71	-12.29	54	31.1	31.63	9.11	30.13	100	289	A	H
	*	5720	112.78	-	-	101.74	31.93	9.37	30.26	100	289	P	H
	*	5720	105.25	-	-	94.21	31.93	9.37	30.26	100	289	A	H
		5937.25	53.34	-14.86	68.2	41.67	32.37	9.68	30.38	100	289	P	H
		5459.98	50.48	-23.52	74	39.8	31.7	9.12	30.14	400	200	P	V
		5460	50.48	-17.72	68.2	39.8	31.7	9.12	30.14	400	200	P	V
		5458.03	41.34	-12.66	54	30.66	31.7	9.12	30.14	400	200	A	V
	*	5720	108.22	-	-	97.18	31.93	9.37	30.26	400	200	P	V
	*	5720	100.9	-	-	89.86	31.93	9.37	30.26	400	200	A	V
		5935	51.97	-16.23	68.2	40.3	32.37	9.68	30.38	400	200	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	47.59	-26.41	74	54.7	40.07	13.94	61.12	100	0	P	H
		17160	49.2	-19	68.2	50.48	40.57	17.76	59.61	100	0	P	H
													H
													H
		11440	48.35	-25.65	74	55.46	40.07	13.94	61.12	100	0	P	V
		17160	48.06	-20.14	68.2	49.34	40.57	17.76	59.61	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel
WIFI 802.11n 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)
		5448.28	51.21	-22.79	74	40.52	31.7	9.12	30.13	100	289	P	H
		5465.05	49.78	-18.42	68.2	39.1	31.7	9.12	30.14	100	289	P	H
		5439.7	41.85	-12.15	54	31.19	31.67	9.12	30.13	100	289	A	H
	*	5720	113.3	-	-	102.26	31.93	9.37	30.26	100	289	P	H
802.11n	*	5720	105.61	-	-	94.57	31.93	9.37	30.26	100	289	A	H
HT20		5937.75	53.1	-15.1	68.2	41.43	32.37	9.68	30.38	100	289	P	H
CH 144		5401.87	50.86	-23.14	74	40.28	31.6	9.11	30.13	399	198	P	V
5720MHz		5466.22	50.5	-17.7	68.2	39.82	31.7	9.12	30.14	399	198	P	V
		5452.57	41.46	-12.54	54	30.78	31.7	9.12	30.14	399	198	A	V
	*	5720	109.28	-	-	98.24	31.93	9.37	30.26	399	198	P	V
	*	5720	101.57	-	-	90.53	31.93	9.37	30.26	399	198	A	V
		5906.75	51.98	-16.22	68.2	40.37	32.33	9.64	30.36	399	198	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	49.2	-24.8	74	56.31	40.07	13.94	61.12	100	0	P	H
		17160	48.88	-19.32	68.2	50.16	40.57	17.76	59.61	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	48.74	-25.26	74	55.85	40.07	13.94	61.12	100	0	P	V
5720MHz		17160	47.67	-20.53	68.2	48.95	40.57	17.76	59.61	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5408.5	50.56	-23.44	74	39.98	31.6	9.11	30.13	100	289	P	H
		5460	50	-18.2	68.2	39.32	31.7	9.12	30.14	100	289	P	H
		5440.09	42.34	-11.66	54	31.68	31.67	9.12	30.13	100	289	A	H
	*	5710	113.1	-	-	102.14	31.87	9.35	30.26	100	289	P	H
802.11n	*	5710	105.74	-	-	94.78	31.87	9.35	30.26	100	289	A	H
HT40		5853.25	52.45	-15.75	68.2	41	32.2	9.58	30.33	100	289	P	H
CH 142		5397.58	50.24	-23.76	74	39.67	31.6	9.1	30.13	400	198	P	V
5710MHz		5469.73	49.71	-18.49	68.2	39.03	31.7	9.12	30.14	400	198	P	V
		5448.28	42.25	-11.75	54	31.56	31.7	9.12	30.13	400	198	A	V
	*	5710	109.16	-	-	98.2	31.87	9.35	30.26	400	198	P	V
	*	5710	101.38	-	-	90.42	31.87	9.35	30.26	400	198	A	V
		5919.25	52.73	-15.47	68.2	41.11	32.33	9.66	30.37	400	198	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	51.46	-22.54	74	58.63	40.03	13.96	61.16	100	225	P	H
		11420	43.06	-10.94	54	50.23	40.03	13.96	61.16	100	225	A	H
802.11n		17130	48.91	-19.29	68.2	50.31	40.53	17.71	59.64	100	0	P	H
HT40													H
CH 142		11420	53.73	-20.27	74	60.9	40.03	13.96	61.16	100	207	P	V
5710MHz		11420	45.82	-8.18	54	52.99	40.03	13.96	61.16	100	207	A	V
		17130	47.47	-20.73	68.2	48.87	40.53	17.71	59.64	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5392.51	51.61	-22.39	74	41.12	31.53	9.09	30.13	100	289	P	H
		5462.32	50.84	-17.36	68.2	40.16	31.7	9.12	30.14	100	289	P	H
		5428.78	42.25	-11.75	54	31.59	31.67	9.12	30.13	100	289	A	H
	*	5690	110.41	-	-	99.54	31.8	9.32	30.25	100	289	P	H
802.11ac	*	5690	102.72	-	-	91.85	31.8	9.32	30.25	100	289	A	H
VHT80		5855.2	52.9	-15.3	68.2	41.42	32.23	9.58	30.33	100	289	P	H
CH 138		5456.86	50.66	-23.34	74	39.98	31.7	9.12	30.14	372	192	P	V
5690MHz		5463.88	48.95	-19.25	68.2	38.27	31.7	9.12	30.14	372	192	P	V
		5424.1	41.89	-12.11	54	31.28	31.63	9.11	30.13	372	192	A	V
	*	5690	105.57	-	-	94.7	31.8	9.32	30.25	372	192	P	V
	*	5690	97.91	-	-	87.04	31.8	9.32	30.25	372	192	A	V
		5903.5	51.88	-16.32	68.2	40.3	32.3	9.64	30.36	372	192	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	48.26	-25.74	74	55.54	39.97	13.99	61.24	100	0	P	H
		17070	48.66	-19.54	68.2	50.26	40.5	17.62	59.72	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	48.35	-25.65	74	55.63	39.97	13.99	61.24	100	0	P	V
5690MHz		17070	48.59	-19.61	68.2	50.19	40.5	17.62	59.72	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 LF		70.74	30.57	-9.43	40	49.58	12.45	1.1	32.56			P	H
		139.61	36.59	-6.91	43.5	49.98	17.6	1.51	32.5	200	196	Q	H
		238.55	31.17	-14.83	46	44.57	17.13	1.98	32.51			P	H
		301.6	34.61	-11.39	46	45.64	19.3	2.21	32.54			P	H
		553.8	27.7	-18.3	46	31.62	25.71	2.96	32.59			P	H
		820.55	30.15	-15.85	46	30.55	28.11	3.57	32.08			P	H
													H
													H
													H
													H
													H
													H
		36.79	33.56	-6.44	40	43.81	21.6	0.76	32.61	100	331	Q	V
		153.19	36.7	-6.8	43.5	50.68	16.9	1.62	32.5			P	V
		302.57	29.97	-16.03	46	41	19.3	2.21	32.54			P	V
		424.79	25.81	-20.19	46	33.13	22.7	2.54	32.56			P	V
		563.5	27.39	-18.61	46	30.63	26.37	2.98	32.59			P	V
		768.17	30.61	-15.39	46	31.05	28.44	3.38	32.26			P	V
													V
													V
													V
													V
													V
													V

Remark

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

<TXBF Mode>

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	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)
		5148.98	57.55	-16.45	74	47.22	31.8	8.63	30.1	100	272	P	H
		5150	44	-10	54	33.66	31.8	8.64	30.1	100	272	A	H
	*	5180	114.69	-	-	104.47	31.67	8.65	30.1	100	272	P	H
	*	5180	99.37	-	-	89.15	31.67	8.65	30.1	100	272	A	H
802.11ac													H
VHT20													H
CH 36		5146.12	55.07	-18.93	74	44.74	31.8	8.63	30.1	280	282	P	V
5180MHz		5150	41.27	-12.73	54	30.93	31.8	8.64	30.1	280	282	A	V
	*	5180	109.88	-	-	99.66	31.67	8.65	30.1	280	282	P	V
	*	5180	94.69	-	-	84.47	31.67	8.65	30.1	280	282	A	V
													V
													V
		5147.94	55.6	-18.4	74	45.27	31.8	8.63	30.1	100	254	P	H
		5149.76	40.86	-13.14	54	30.53	31.8	8.63	30.1	100	254	A	H
	*	5220	114.34	-	-	104.22	31.53	8.7	30.11	100	254	P	H
	*	5220	99.22	-	-	89.1	31.53	8.7	30.11	100	254	A	H
802.11ac		5350	51.97	-22.03	74	41.69	31.4	9	30.12	100	254	P	H
VHT20		5354.44	40.86	-13.14	54	30.57	31.4	9.01	30.12	100	254	A	H
CH 44		5103.48	50.52	-23.48	74	40.1	31.9	8.61	30.09	253	286	P	V
5220MHz		5149.76	39.82	-14.18	54	29.49	31.8	8.63	30.1	253	286	A	V
	*	5220	109.51	-	-	99.39	31.53	8.7	30.11	253	286	P	V
	*	5220	94.36	-	-	84.24	31.53	8.7	30.11	253	286	A	V
		5377.68	50.18	-23.82	74	39.72	31.53	9.06	30.13	253	286	P	V
		5456.92	39.8	-14.2	54	29.12	31.7	9.12	30.14	253	286	A	V

		5100.1	49.88	-24.12	74	39.46	31.9	8.61	30.09	100	271	P	H
		5145.6	40.04	-13.96	54	29.71	31.8	8.63	30.1	100	271	A	H
	*	5240	114.12	-	-	104.01	31.47	8.75	30.11	100	271	P	H
	*	5240	99.03	-	-	88.92	31.47	8.75	30.11	100	271	A	H
802.11ac		5351.64	55.41	-18.59	74	45.13	31.4	9	30.12	100	271	P	H
VHT20		5350.24	40.75	-13.25	54	30.47	31.4	9	30.12	100	271	A	H
CH 48		5088.4	50.3	-23.7	74	39.89	31.9	8.6	30.09	252	288	P	V
5240MHz		5096.2	39.69	-14.31	54	29.27	31.9	8.61	30.09	252	288	A	V
	*	5240	109.4	-	-	99.29	31.47	8.75	30.11	252	288	P	V
	*	5240	94.12	-	-	84.01	31.47	8.75	30.11	252	288	A	V
		5408.48	49.8	-24.2	74	39.22	31.6	9.11	30.13	252	288	P	V
		5457.2	39.81	-14.19	54	29.13	31.7	9.12	30.14	252	288	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	46.34	-21.86	68.2	54.99	39.37	13.33	61.35	100	0	P	H
		15540	44.21	-29.79	74	52.05	37.93	16.67	62.44	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	46.64	-21.56	68.2	55.29	39.37	13.33	61.35	100	0	P	V
5180MHz		15540	45.16	-28.84	74	53	37.93	16.67	62.44	100	0	P	V
													V
													V
		10440	46.25	-21.95	68.2	54.83	39.53	13.38	61.49	100	0	P	H
		15660	44.66	-29.34	74	52.58	37.45	16.87	62.24	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	46.6	-21.6	68.2	55.18	39.53	13.38	61.49	100	0	P	V
5220MHz		15660	44.38	-29.62	74	52.3	37.45	16.87	62.24	100	0	P	V
													V
													V
		10480	46.81	-21.39	68.2	55.39	39.58	13.4	61.56	100	0	P	H
		15720	45.02	-28.98	74	52.92	37.3	16.95	62.15	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	45.83	-22.37	68.2	54.41	39.58	13.4	61.56	100	0	P	V
5240MHz		15720	44.15	-29.85	74	52.05	37.3	16.95	62.15	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.24	61.28	-12.72	74	50.95	31.8	8.63	30.1	100	266	P	H
		5149.76	51.72	-2.28	54	41.39	31.8	8.63	30.1	100	266	A	H
	*	5190	111.05	-	-	100.83	31.67	8.65	30.1	100	266	P	H
	*	5190	100.99	-	-	90.77	31.67	8.65	30.1	100	266	A	H
802.11ac		5366.76	51.54	-22.46	74	41.15	31.47	9.04	30.12	100	266	P	H
VHT40		5376	41.05	-12.95	54	30.65	31.47	9.06	30.13	100	266	A	H
CH 38		5150	57.04	-16.96	74	46.7	31.8	8.64	30.1	344	42	P	V
5190MHz		5149.24	46.5	-7.5	54	36.17	31.8	8.63	30.1	344	42	A	V
	*	5190	106.17	-	-	95.95	31.67	8.65	30.1	344	42	P	V
	*	5190	95.28	-	-	85.06	31.67	8.65	30.1	344	42	A	V
		5405.96	49.61	-24.39	74	39.03	31.6	9.11	30.13	344	42	P	V
		5459.72	39.95	-14.05	54	29.27	31.7	9.12	30.14	344	42	A	V
		5140.14	53.23	-20.77	74	42.9	31.8	8.63	30.1	100	273	P	H
		5149.76	44.69	-9.31	54	34.36	31.8	8.63	30.1	100	273	A	H
	*	5230	113.12	-	-	103.03	31.47	8.73	30.11	100	273	P	H
	*	5230	104.33	-	-	94.24	31.47	8.73	30.11	100	273	A	H
802.11ac		5362.56	53.01	-20.99	74	42.63	31.47	9.03	30.12	100	273	P	H
VHT40		5350.52	44.6	-9.4	54	34.32	31.4	9	30.12	100	273	A	H
CH 46		5141.18	51.45	-22.55	74	41.12	31.8	8.63	30.1	351	185	P	V
5230MHz		5149.76	41.09	-12.91	54	30.76	31.8	8.63	30.1	351	185	A	V
	*	5230	107.73	-	-	97.64	31.47	8.73	30.11	351	185	P	V
	*	5230	99.26	-	-	89.17	31.47	8.73	30.11	351	185	A	V
		5350.52	50.44	-23.56	74	40.16	31.4	9	30.12	351	185	P	V
		5354.16	41.51	-12.49	54	31.22	31.4	9.01	30.12	351	185	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	45.76	-22.44	68.2	54.37	39.43	13.34	61.38	100	0	P	H
		15570	44.03	-29.97	74	51.92	37.77	16.73	62.39	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	45.86	-22.34	68.2	54.47	39.43	13.34	61.38	100	0	P	V
5190MHz		15570	45.43	-28.57	74	53.32	37.77	16.73	62.39	100	0	P	V
													V
													V
		10460	46.8	-21.4	68.2	55.39	39.55	13.39	61.53	100	0	P	H
		15690	45.01	-28.99	74	52.94	37.35	16.92	62.2	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	47.75	-20.45	68.2	56.34	39.55	13.39	61.53	100	0	P	V
5230MHz		15690	45.52	-28.48	74	53.45	37.35	16.92	62.2	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5135.72	60.21	-13.79	74	49.85	31.83	8.63	30.1	100	276	P	H
		5149.76	52.92	-1.08	54	42.59	31.8	8.63	30.1	100	276	A	H
	*	5210	108.75	-	-	98.65	31.53	8.68	30.11	100	276	P	H
	*	5210	98.85	-	-	88.75	31.53	8.68	30.11	100	276	A	H
802.11ac		5370.4	51.48	-22.52	74	41.09	31.47	9.04	30.12	100	276	P	H
VHT80		5350.52	43.37	-10.63	54	33.09	31.4	9	30.12	100	276	A	H
CH 42		5144.3	54.58	-19.42	74	44.25	31.8	8.63	30.1	328	185	P	V
5210MHz		5147.16	43.97	-10.03	54	33.64	31.8	8.63	30.1	328	185	A	V
	*	5210	102.14	-	-	92.04	31.53	8.68	30.11	328	185	P	V
	*	5210	92.21	-	-	82.11	31.53	8.68	30.11	328	185	A	V
		5390	50.66	-23.34	74	40.17	31.53	9.09	30.13	328	185	P	V
		5363.68	40.6	-13.4	54	30.22	31.47	9.03	30.12	328	185	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	45.79	-22.41	68.2	54.37	39.52	13.36	61.46	100	0	P	H
		15630	44.44	-29.56	74	52.41	37.5	16.82	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	45.73	-22.47	68.2	54.31	39.52	13.36	61.46	100	0	P	V
5210MHz		15630	44.19	-29.81	74	52.16	37.5	16.82	62.29	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.86	50.72	-23.28	74	40.39	31.8	8.63	30.1	100	270	P	H
		5099.62	39.84	-14.16	54	29.42	31.9	8.61	30.09	100	270	A	H
	*	5260	114.1	-	-	104.01	31.4	8.8	30.11	100	270	P	H
	*	5260	98.94	-	-	88.85	31.4	8.8	30.11	100	270	A	H
802.11ac		5351.76	53.34	-20.66	74	43.06	31.4	9	30.12	100	270	P	H
VHT20		5355.84	40.91	-13.09	54	30.62	31.4	9.01	30.12	100	270	A	H
CH 52		5065.62	50.65	-23.35	74	40.25	31.9	8.59	30.09	346	187	P	V
5260MHz		5096.56	39.84	-14.16	54	29.42	31.9	8.61	30.09	346	187	A	V
	*	5260	109.75	-	-	99.66	31.4	8.8	30.11	346	187	P	V
	*	5260	94.41	-	-	84.32	31.4	8.8	30.11	346	187	A	V
		5352.48	50.21	-23.79	74	39.93	31.4	9	30.12	346	187	P	V
		5457.36	40.11	-13.89	54	29.43	31.7	9.12	30.14	346	187	A	V
		5135.32	50.1	-23.9	74	39.74	31.83	8.63	30.1	100	272	P	H
		5089.42	39.91	-14.09	54	29.5	31.9	8.6	30.09	100	272	A	H
	*	5300	113.96	-	-	103.79	31.4	8.89	30.12	100	272	P	H
	*	5300	98.7	-	-	88.53	31.4	8.89	30.12	100	272	A	H
802.11ac		5354.4	61.66	-12.34	74	51.37	31.4	9.01	30.12	100	272	P	H
VHT20		5351.76	42.97	-11.03	54	32.69	31.4	9	30.12	100	272	A	H
CH 60		5117.3	49.64	-24.36	74	39.24	31.87	8.62	30.09	369	199	P	V
5300MHz		5091.12	39.78	-14.22	54	29.36	31.9	8.61	30.09	369	199	A	V
	*	5300	109.12	-	-	98.95	31.4	8.89	30.12	369	199	P	V
	*	5300	94.27	-	-	84.1	31.4	8.89	30.12	369	199	A	V
		5362.08	51.41	-22.59	74	41.04	31.47	9.02	30.12	369	199	P	V
		5359.44	40.44	-13.56	54	30.14	31.4	9.02	30.12	369	199	A	V

	*	5320	113.77	-	-	103.56	31.4	8.93	30.12	100	263	P	H
	*	5320	99	-	-	88.79	31.4	8.93	30.12	100	263	A	H
		5351.52	59.94	-14.06	74	49.66	31.4	9	30.12	100	263	P	H
		5356.64	43.27	-10.73	54	32.98	31.4	9.01	30.12	100	263	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	109.21	-	-	99	31.4	8.93	30.12	400	198	P	V
5320MHz	*	5320	94.54	-	-	84.33	31.4	8.93	30.12	400	198	A	V
		5359.36	56.88	-17.12	74	46.58	31.4	9.02	30.12	400	198	P	V
		5353.6	41.11	-12.89	54	30.82	31.4	9.01	30.12	400	198	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	46.57	-21.63	68.2	55.15	39.63	13.41	61.62	100	0	P	H
		15780	44.71	-29.29	74	52.43	37.3	17.03	62.05	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	48.35	-19.85	68.2	56.93	39.63	13.41	61.62	100	0	P	V
5260MHz		15780	46.01	-27.99	74	53.73	37.3	17.03	62.05	100	0	P	V
													V
													V
		10600	47.47	-26.53	74	55.95	39.8	13.4	61.68	100	0	P	H
		15900	46.02	-27.98	74	53.69	37	17.19	61.86	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	47.3	-26.7	74	55.78	39.8	13.4	61.68	100	0	P	V
5300MHz		15900	43.98	-30.02	74	51.65	37	17.19	61.86	100	0	P	V
													V
													V
		10640	49.54	-24.46	74	58.05	39.8	13.4	61.71	100	0	P	H
		15960	45.47	-28.53	74	53.13	36.93	17.17	61.76	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	49.92	-24.08	74	58.43	39.8	13.4	61.71	100	0	P	V
5320MHz		15960	45.3	-28.7	74	52.96	36.93	17.17	61.76	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5070.72	50.65	-23.35	74	40.24	31.9	8.6	30.09	100	278	P	H
		5149.26	40.94	-13.06	54	30.61	31.8	8.63	30.1	100	278	A	H
	*	5270	112.5	-	-	102.39	31.4	8.82	30.11	100	278	P	H
	*	5270	102.51	-	-	92.4	31.4	8.82	30.11	100	278	A	H
802.11ac		5364.72	60.4	-13.6	74	50.02	31.47	9.03	30.12	100	278	P	H
VHT40		5350.32	46.58	-7.42	54	36.3	31.4	9	30.12	100	278	A	H
CH 54		5148.92	50.17	-23.83	74	39.84	31.8	8.63	30.1	400	184	P	V
5270MHz		5090.44	40.02	-13.98	54	29.6	31.9	8.61	30.09	400	184	A	V
	*	5270	108.03	-	-	97.92	31.4	8.82	30.11	400	184	P	V
	*	5270	97.34	-	-	87.23	31.4	8.82	30.11	400	184	A	V
		5350.08	53.38	-20.62	74	43.1	31.4	9	30.12	400	184	P	V
		5350.08	42.18	-11.82	54	31.9	31.4	9	30.12	400	184	A	V
		5138.72	50.13	-23.87	74	39.77	31.83	8.63	30.1	100	266	P	H
		5145.52	40.17	-13.83	54	29.84	31.8	8.63	30.1	100	266	A	H
	*	5310	110.17	-	-	99.98	31.4	8.91	30.12	100	266	P	H
	*	5310	99.99	-	-	89.8	31.4	8.91	30.12	100	266	A	H
802.11ac		5363.28	63.86	-10.14	74	53.48	31.47	9.03	30.12	100	266	P	H
VHT40		5351.76	48.22	-5.78	54	37.94	31.4	9	30.12	100	266	A	H
CH 62		5118.32	49.62	-24.38	74	39.23	31.87	8.62	30.1	400	204	P	V
5310MHz		5090.44	39.85	-14.15	54	29.43	31.9	8.61	30.09	400	204	A	V
	*	5310	105.05	-	-	94.86	31.4	8.91	30.12	400	204	P	V
	*	5310	94.68	-	-	84.49	31.4	8.91	30.12	400	204	A	V
		5359.44	55.68	-18.32	74	45.38	31.4	9.02	30.12	400	204	P	V
		5351.04	44.27	-9.73	54	33.99	31.4	9	30.12	400	204	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	46.07	-22.13	68.2	54.62	39.67	13.41	61.63	100	0	P	H
		15810	45.16	-28.84	74	52.78	37.3	17.08	62	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	46.04	-22.16	68.2	54.59	39.67	13.41	61.63	100	0	P	V
5270MHz		15810	45.11	-28.89	74	52.73	37.3	17.08	62	100	0	P	V
													V
													V
		10620	46.61	-27.39	74	55.1	39.8	13.41	61.7	100	0	P	H
		15930	44.37	-29.63	74	52.02	36.97	17.19	61.81	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	47.07	-26.93	74	55.56	39.8	13.41	61.7	100	0	P	V
5310MHz		15930	45.38	-28.62	74	53.03	36.97	17.19	61.81	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 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)
		5128.52	51.79	-22.21	74	41.44	31.83	8.62	30.1	100	260	P	H
		5149.94	40.56	-13.44	54	30.23	31.8	8.63	30.1	100	260	A	H
	*	5290	106.58	-	-	96.43	31.4	8.86	30.11	100	260	P	H
	*	5290	97.18	-	-	87.03	31.4	8.86	30.11	100	260	A	H
802.11ac		5350.8	64.67	-9.33	74	54.39	31.4	9	30.12	100	260	P	H
VHT80		5351.52	50.73	-3.27	54	40.45	31.4	9	30.12	100	260	A	H
CH 58		5120.7	51.43	-22.57	74	41.04	31.87	8.62	30.1	379	187	P	V
5290MHz		5091.12	40.07	-13.93	54	29.65	31.9	8.61	30.09	379	187	A	V
	*	5290	101.8	-	-	91.65	31.4	8.86	30.11	379	187	P	V
	*	5290	92.51	-	-	82.36	31.4	8.86	30.11	379	187	A	V
		5353.68	55.35	-18.65	74	45.06	31.4	9.01	30.12	379	187	P	V
		5352.48	46.8	-7.2	54	36.52	31.4	9	30.12	379	187	A	V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.48	-21.72	68.2	54.96	39.77	13.41	61.66	100	0	P	H
		15870	44.57	-29.43	74	52.26	37.06	17.16	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.08	-22.12	68.2	54.56	39.77	13.41	61.66	100	0	P	V
5290MHz		15870	44.47	-29.53	74	52.16	37.06	17.16	61.91	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI 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)
		5448.56	59.32	-14.68	74	48.63	31.7	9.12	30.13	100	153	P	H
		5469.04	61.1	-7.1	68.2	50.42	31.7	9.12	30.14	100	153	P	H
		5459.76	41.73	-12.27	54	31.05	31.7	9.12	30.14	100	153	A	H
	*	5500	112.16	-	-	101.47	31.7	9.13	30.14	100	153	P	H
802.11ac	*	5500	98.25	-	-	87.56	31.7	9.13	30.14	100	153	A	H
VHT20													H
CH 100		5379.92	51.86	-22.14	74	41.4	31.53	9.06	30.13	390	203	P	V
5500MHz		5464.72	51.77	-16.43	68.2	41.09	31.7	9.12	30.14	390	203	P	V
		5459.12	40.32	-13.68	54	29.64	31.7	9.12	30.14	390	203	A	V
	*	5500	106.38	-	-	95.69	31.7	9.13	30.14	390	203	P	V
	*	5500	92.52	-	-	81.83	31.7	9.13	30.14	390	203	A	V
													V
		5451.28	50.09	-23.91	74	39.41	31.7	9.12	30.14	100	148	P	H
		5469.52	50.98	-17.22	68.2	40.3	31.7	9.12	30.14	100	148	P	H
		5459.92	40.07	-13.93	54	29.39	31.7	9.12	30.14	100	148	A	H
	*	5580	112.55	-	-	101.79	31.8	9.15	30.19	100	148	P	H
802.11ac	*	5580	97.93	-	-	87.17	31.8	9.15	30.19	100	148	A	H
VHT20		5730.98	50.36	-17.84	68.2	39.31	31.93	9.39	30.27	100	148	P	H
CH 116		5432.56	50.02	-23.98	74	39.36	31.67	9.12	30.13	383	217	P	V
5580MHz		5465.92	49.82	-18.38	68.2	39.14	31.7	9.12	30.14	383	217	P	V
		5459.44	39.88	-14.12	54	29.2	31.7	9.12	30.14	383	217	A	V
	*	5580	107.35	-	-	96.59	31.8	9.15	30.19	383	217	P	V
	*	5580	92.32	-	-	81.56	31.8	9.15	30.19	383	217	A	V
		5743.895	49.72	-18.48	68.2	38.57	32	9.42	30.27	383	217	P	V

	*	5700	113.82	-	-	102.93	31.8	9.34	30.25	100	149	P	H
	*	5700	99.5	-	-	88.61	31.8	9.34	30.25	100	149	A	H
		5725.8	63.08	-5.12	68.2	52.03	31.93	9.38	30.26	100	149	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	108.86	-	-	97.97	31.8	9.34	30.25	321	216	P	V
5700MHz	*	5700	93.74	-	-	82.85	31.8	9.34	30.25	321	216	A	V
		5726.68	56.09	-12.11	68.2	45.04	31.93	9.38	30.26	321	216	P	V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	47.91	-26.09	74	56.07	40.4	13.44	62	100	0	P	H
		16500	46.2	-22	68.2	49.99	38.6	17.21	59.6	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11000	48.95	-25.05	74	57.11	40.4	13.44	62	100	0	P	V
5500MHz		16500	46.81	-21.39	68.2	50.6	38.6	17.21	59.6	100	0	P	V
													V
													V
		11160	47.5	-26.5	74	55.58	39.93	13.67	61.68	100	0	P	H
		16740	47	-21.2	68.2	49.44	39.78	17.48	59.7	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	49.15	-24.85	74	57.23	39.93	13.67	61.68	100	0	P	V
5580MHz		16740	47.95	-20.25	68.2	50.39	39.78	17.48	59.7	100	0	P	V
													V
													V
		11400	47.66	-26.34	74	54.89	40	13.97	61.2	100	0	P	H
		17100	48.16	-20.04	68.2	49.68	40.5	17.66	59.68	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	48.57	-25.43	74	55.8	40	13.97	61.2	100	0	P	V
5700MHz		17100	48.21	-19.99	68.2	49.73	40.5	17.66	59.68	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452.48	60.83	-13.17	74	50.15	31.7	9.12	30.14	100	151	P	H
		5468.56	64.47	-3.73	68.2	53.79	31.7	9.12	30.14	100	151	P	H
		5459.92	49.5	-4.5	54	38.82	31.7	9.12	30.14	100	151	A	H
	*	5510	113.05	-	-	102.37	31.7	9.13	30.15	100	151	P	H
802.11ac	*	5510	103.72	-	-	93.04	31.7	9.13	30.15	100	151	A	H
VHT40		5754.29	51.39	-16.81	68.2	40.15	32.07	9.44	30.27	100	151	P	H
CH 102		5459.92	54.97	-19.03	74	44.29	31.7	9.12	30.14	399	208	P	V
5510MHz		5469.52	61.89	-6.31	68.2	51.21	31.7	9.12	30.14	399	208	P	V
		5459.92	45.87	-8.13	54	35.19	31.7	9.12	30.14	399	208	A	V
	*	5510	107.52	-	-	96.84	31.7	9.13	30.15	399	208	P	V
	*	5510	98.66	-	-	87.98	31.7	9.13	30.15	399	208	A	V
		5760.275	49.44	-18.76	68.2	38.21	32.07	9.45	30.29	399	208	P	V
		5454.4	53.5	-20.5	74	42.82	31.7	9.12	30.14	100	151	P	H
		5469.76	52.87	-15.33	68.2	42.19	31.7	9.12	30.14	100	151	P	H
		5459.68	42.54	-11.46	54	31.86	31.7	9.12	30.14	100	151	A	H
	*	5550	113.71	-	-	102.94	31.8	9.14	30.17	100	151	P	H
802.11ac	*	5550	104.4	-	-	93.63	31.8	9.14	30.17	100	151	A	H
VHT40		5749.25	50.99	-17.21	68.2	39.83	32	9.43	30.27	100	151	P	H
CH 110		5366.08	50.19	-23.81	74	39.81	31.47	9.03	30.12	352	212	P	V
5550MHz		5462.32	51.97	-16.23	68.2	41.29	31.7	9.12	30.14	352	212	P	V
		5459.92	40.88	-13.12	54	30.2	31.7	9.12	30.14	352	212	A	V
	*	5550	107.82	-	-	97.05	31.8	9.14	30.17	352	212	P	V
	*	5550	98.73	-	-	87.96	31.8	9.14	30.17	352	212	A	V
		5762.165	50.39	-17.81	68.2	39.16	32.07	9.45	30.29	352	212	P	V

		5390.95	51.29	-22.71	74	40.8	31.53	9.09	30.13	100	151	P	H
		5462.7	49.47	-18.73	68.2	38.79	31.7	9.12	30.14	100	151	P	H
		5459.9	40.39	-13.61	54	29.71	31.7	9.12	30.14	100	151	A	H
	*	5670	113.04	-	-	102.24	31.75	9.28	30.23	100	151	P	H
802.11ac	*	5670	103.87	-	-	93.07	31.75	9.28	30.23	100	151	A	H
VHT40		5725.45	61.7	-6.5	68.2	50.65	31.93	9.38	30.26	100	151	P	H
CH 134		5439.6	50.41	-23.59	74	39.75	31.67	9.12	30.13	373	219	P	V
5670MHz		5467.25	49.71	-18.49	68.2	39.03	31.7	9.12	30.14	373	219	P	V
		5459.55	40.03	-13.97	54	29.35	31.7	9.12	30.14	373	219	A	V
	*	5670	109.13	-	-	98.33	31.75	9.28	30.23	373	219	P	V
	*	5670	99.36	-	-	88.56	31.75	9.28	30.23	373	219	A	V
		5727.2	56	-12.2	68.2	44.94	31.93	9.39	30.26	373	219	P	V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	54.89	-19.11	74	63.05	40.33	13.47	61.96	100	236	P	H
		11020	43.95	-10.05	54	52.11	40.33	13.47	61.96	100	236	A	H
802.11ac		16530	45.65	-22.55	68.2	49.32	38.7	17.24	59.61	100	0	P	H
VHT40													H
CH 102		11020	57.75	-16.25	74	65.91	40.33	13.47	61.96	369	169	P	V
5510MHz		11020	47.42	-6.58	54	55.58	40.33	13.47	61.96	369	169	A	V
		16530	44.67	-23.53	68.2	48.34	38.7	17.24	59.61	100	0	P	V
													V
		11100	54.2	-19.8	74	62.47	40	13.53	61.8	100	237	P	H
		11100	44.04	-9.96	54	52.31	40	13.53	61.8	100	237	A	H
802.11ac		16650	47.45	-20.75	68.2	50.5	39.2	17.41	59.66	100	0	P	H
VHT40													H
CH 110		11100	56.92	-17.08	74	65.19	40	13.53	61.8	377	163	P	V
5550MHz		11100	46.82	-7.18	54	55.09	40	13.53	61.8	377	163	A	V
		16650	47.05	-21.15	68.2	50.1	39.2	17.41	59.66	100	0	P	V
													V
		11340	47.67	-26.33	74	55.12	39.87	14	61.32	100	0	P	H
		17010	48.15	-20.05	68.2	49.9	40.5	17.54	59.79	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	49.75	-24.25	74	57.2	39.87	14	61.32	100	0	P	V
5670MHz		17010	48.12	-20.08	68.2	49.87	40.5	17.54	59.79	100	0	P	V
													V
													V

Remark

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

Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5454.16	61.13	-12.87	74	50.45	31.7	9.12	30.14	100	152	P	H
		5466.88	62.53	-5.67	68.2	51.85	31.7	9.12	30.14	100	152	P	H
		5457.76	51.62	-2.38	54	40.94	31.7	9.12	30.14	100	152	A	H
	*	5530	108.95	-	-	98.25	31.73	9.14	30.17	100	152	P	H
802.11ac	*	5530	99.59	-	-	88.89	31.73	9.14	30.17	100	152	A	H
VHT80		5747.045	50.89	-17.31	68.2	39.74	32	9.42	30.27	100	152	P	H
CH 106		5458.96	55.93	-18.07	74	45.25	31.7	9.12	30.14	377	211	P	V
5530MHz		5464.48	59.08	-9.12	68.2	48.4	31.7	9.12	30.14	377	211	P	V
		5452.72	46.01	-7.99	54	35.33	31.7	9.12	30.14	377	211	A	V
	*	5530	105.29	-	-	94.59	31.73	9.14	30.17	377	211	P	V
	*	5530	94.52	-	-	83.82	31.73	9.14	30.17	377	211	A	V
		5728.46	51.17	-17.03	68.2	40.11	31.93	9.39	30.26	377	211	P	V
		5459.92	51.93	-22.07	74	41.25	31.7	9.12	30.14	100	149	P	H
		5460.16	52.78	-15.42	68.2	42.1	31.7	9.12	30.14	100	149	P	H
		5459.2	42.58	-11.42	54	31.9	31.7	9.12	30.14	100	149	A	H
	*	5610	110.03	-	-	99.27	31.8	9.17	30.21	100	149	P	H
802.11ac	*	5610	101.25	-	-	90.49	31.8	9.17	30.21	100	149	A	H
VHT80		5748.305	52.76	-15.44	68.2	41.61	32	9.42	30.27	100	149	P	H
CH 122		5453.2	50.81	-23.19	74	40.13	31.7	9.12	30.14	385	212	P	V
5610MHz		5470	50.24	-17.96	68.2	39.56	31.7	9.12	30.14	385	212	P	V
		5458.24	40.95	-13.05	54	30.27	31.7	9.12	30.14	385	212	A	V
	*	5610	107.78	-	-	97.02	31.8	9.17	30.21	385	212	P	V
	*	5610	95.39	-	-	84.63	31.8	9.17	30.21	385	212	A	V
		5747.675	51.05	-17.15	68.2	39.9	32	9.42	30.27	385	212	P	V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	49.88	-24.12	74	58.13	40.13	13.5	61.88	100	0	P	H
		16590	45.92	-22.28	68.2	49.39	38.85	17.32	59.64	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	54.46	-19.54	74	62.71	40.13	13.5	61.88	391	165	P	V
5530MHz		11060	44.44	-9.56	54	52.69	40.13	13.5	61.88	391	165	A	V
		16590	46.03	-22.17	68.2	49.5	38.85	17.32	59.64	100	0	P	V
													V
		11220	48.47	-25.53	74	56.32	39.88	13.83	61.56	100	0	P	H
		16830	48	-20.2	68.2	50.05	40.2	17.48	59.73	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.54	-26.46	74	55.39	39.88	13.83	61.56	100	0	P	V
5610MHz		16830	47.31	-20.89	68.2	49.36	40.2	17.48	59.73	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI 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)
		5438.92	51.53	-22.47	74	40.87	31.67	9.12	30.13	100	149	P	H
		5466.22	50.19	-18.01	68.2	39.51	31.7	9.12	30.14	100	149	P	H
		5449.45	40.05	-13.95	54	29.36	31.7	9.12	30.13	100	149	A	H
	*	5720	112.9	-	-	101.86	31.93	9.37	30.26	100	149	P	H
802.11ac	*	5720	102.58	-	-	91.54	31.93	9.37	30.26	100	149	A	H
VHT20		5939.25	51.75	-16.45	68.2	40.05	32.4	9.68	30.38	100	149	P	H
CH 144		5422.54	50.37	-23.63	74	39.76	31.63	9.11	30.13	325	214	P	V
5720MHz		5467	48.94	-19.26	68.2	38.26	31.7	9.12	30.14	325	214	P	V
		5455.69	39.83	-14.17	54	29.15	31.7	9.12	30.14	325	214	A	V
	*	5720	107.7	-	-	96.66	31.93	9.37	30.26	325	214	P	V
	*	5720	97.22	-	-	86.18	31.93	9.37	30.26	325	214	A	V
		5941.75	51.48	-16.72	68.2	39.78	32.4	9.68	30.38	325	214	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	47.33	-26.67	74	54.44	40.07	13.94	61.12	100	0	P	H
		17160	49.49	-18.71	68.2	50.77	40.57	17.76	59.61	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	47.82	-26.18	74	54.93	40.07	13.94	61.12	100	0	P	V
5720MHz		17160	49.7	-18.5	68.2	50.98	40.57	17.76	59.61	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5418.64	50.92	-23.08	74	40.31	31.63	9.11	30.13	100	153	P	H
		5463.88	50.71	-17.49	68.2	40.03	31.7	9.12	30.14	100	153	P	H
		5458.42	40.38	-13.62	54	29.7	31.7	9.12	30.14	100	153	A	H
	*	5710	112.94	-	-	101.98	31.87	9.35	30.26	100	153	P	H
802.11ac	*	5710	103.64	-	-	92.68	31.87	9.35	30.26	100	153	A	H
VHT40		5921.5	51.66	-16.54	68.2	40	32.37	9.66	30.37	100	153	P	H
CH 142		5410.45	49.72	-24.28	74	39.14	31.6	9.11	30.13	316	216	P	V
5710MHz		5466.22	49.94	-18.26	68.2	39.26	31.7	9.12	30.14	316	216	P	V
		5455.69	40.08	-13.92	54	29.4	31.7	9.12	30.14	316	216	A	V
	*	5710	108.66	-	-	97.7	31.87	9.35	30.26	316	216	P	V
	*	5710	98.84	-	-	87.88	31.87	9.35	30.26	316	216	A	V
		5946.5	51.65	-16.55	68.2	39.94	32.4	9.69	30.38	316	216	P	V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	47.99	-26.01	74	55.16	40.03	13.96	61.16	100	0	P	H
		17130	48.08	-20.12	68.2	49.48	40.53	17.71	59.64	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	49.81	-24.19	74	56.98	40.03	13.96	61.16	100	0	P	V
5710MHz		17130	48.22	-19.98	68.2	49.62	40.53	17.71	59.64	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5449.06	51.25	-22.75	74	40.56	31.7	9.12	30.13	100	150	P	H
		5469.73	49.97	-18.23	68.2	39.29	31.7	9.12	30.14	100	150	P	H
		5459.59	40.6	-13.4	54	29.92	31.7	9.12	30.14	100	150	A	H
	*	5690	107.11	-	-	96.24	31.8	9.32	30.25	100	150	P	H
802.11ac	*	5690	97.07	-	-	86.2	31.8	9.32	30.25	100	150	A	H
VHT80		5914	51.84	-16.36	68.2	40.23	32.33	9.65	30.37	100	150	P	H
CH 138		5396.8	50.97	-23.03	74	40.4	31.6	9.1	30.13	353	221	P	V
5690MHz		5466.61	50.24	-17.96	68.2	39.56	31.7	9.12	30.14	353	221	P	V
		5459.98	40.24	-13.76	54	29.56	31.7	9.12	30.14	353	221	A	V
	*	5690	104.64	-	-	93.77	31.8	9.32	30.25	353	221	P	V
	*	5690	92.67	-	-	81.8	31.8	9.32	30.25	353	221	A	V
		5888	51.58	-16.62	68.2	40.02	32.3	9.62	30.36	353	221	P	V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.96	-26.04	74	55.24	39.97	13.99	61.24	100	0	P	H
		17070	49.3	-18.9	68.2	50.9	40.5	17.62	59.72	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	48.19	-25.81	74	55.47	39.97	13.99	61.24	100	0	P	V
5690MHz		17070	48.68	-19.52	68.2	50.28	40.5	17.62	59.72	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz
WIFI 802.11n HT40 (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 LF		70.74	30.57	-9.43	40	49.58	12.45	1.02	32.56			P	H
		139.61	36.59	-6.91	43.5	49.98	17.6	1.42	32.5	200	196	Q	H
		238.55	31.17	-14.83	46	44.57	17.13	1.85	32.51			P	H
		301.6	34.61	-11.39	46	45.64	19.3	2.07	32.54			P	H
		553.8	27.7	-18.3	46	31.62	25.71	2.77	32.59			P	H
		820.55	30.15	-15.85	46	30.55	28.11	3.39	32.08			P	H
													H
													H
													H
													H
													H
													H
		36.79	33.56	-6.44	40	43.81	21.6	0.75	32.61	100	331	Q	V
		153.19	36.7	-6.8	43.5	50.68	16.9	1.48	32.5			P	V
		302.57	29.97	-16.03	46	41	19.3	2.08	32.54			P	V
		424.79	25.81	-20.19	46	33.13	22.7	2.46	32.56			P	V
		563.5	27.39	-18.61	46	30.63	26.37	2.8	32.59			P	V
		768.17	30.61	-15.39	46	31.05	28.44	3.24	32.26			P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission

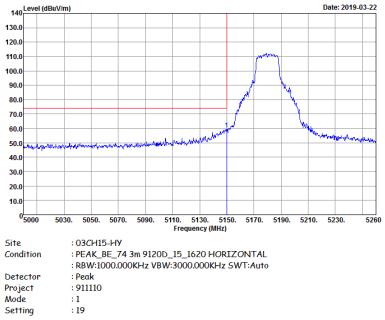
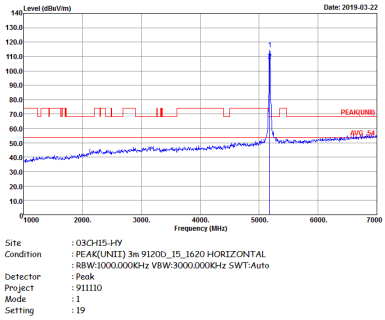
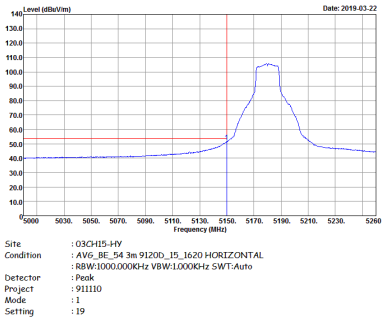
Test Engineer :	Watt Tseng、Karl Hou 、BigShow Wang	**Temperature :**	24~26°C
		Relative Humidity :	52~57%

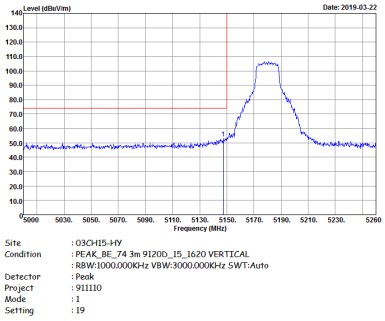
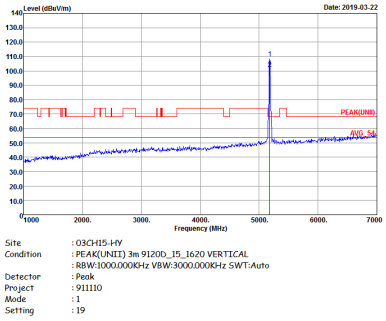
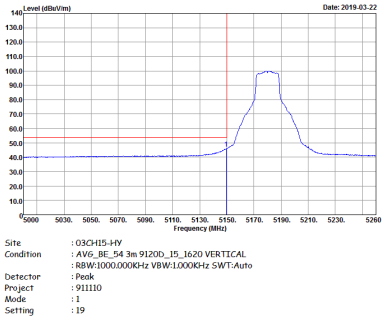
Note symbol

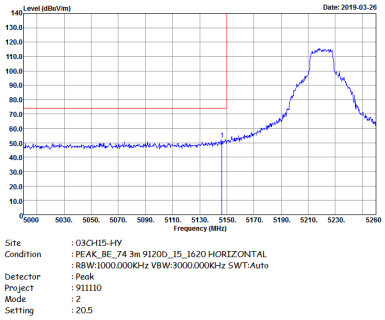
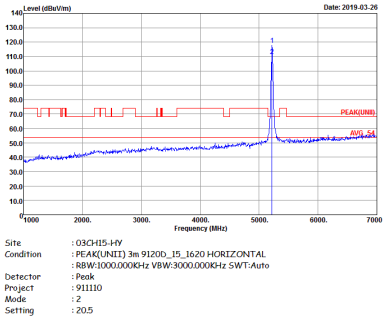
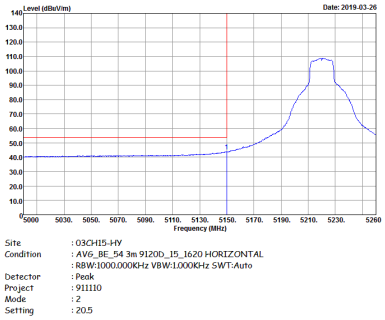
-L	**Low channel location**
-R	**High channel location**

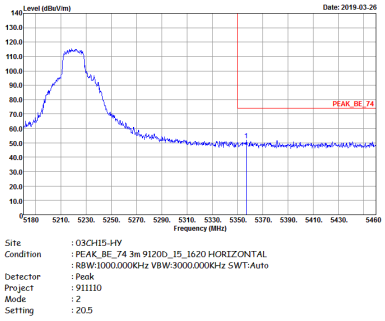
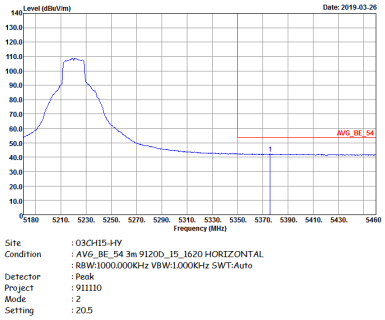
<CDD Mode>

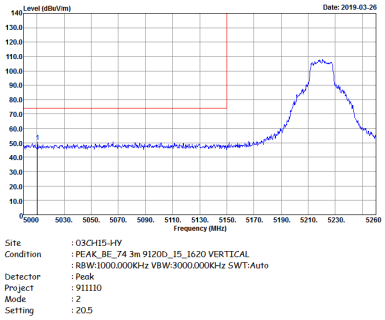
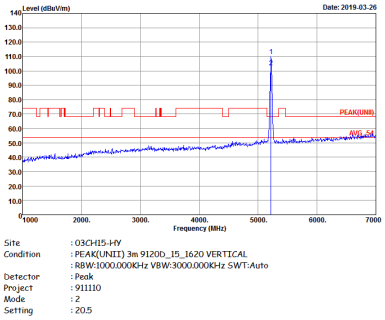
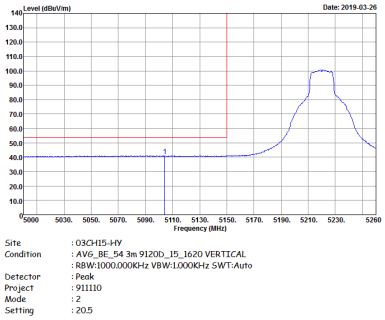
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

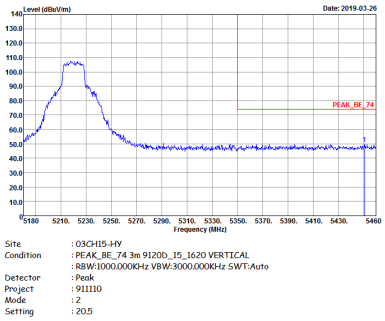
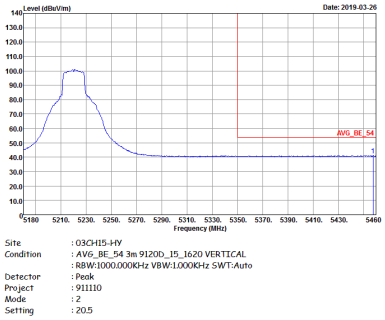
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

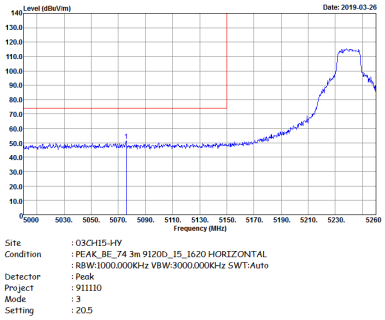
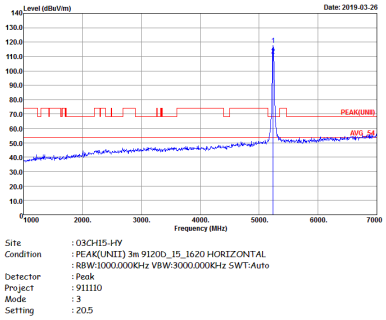
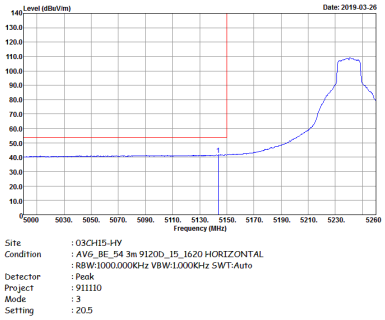
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

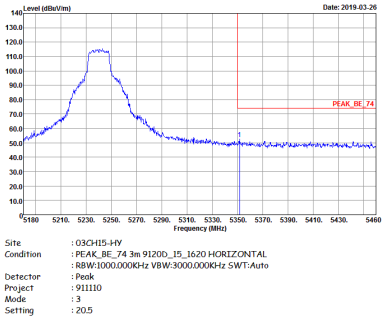
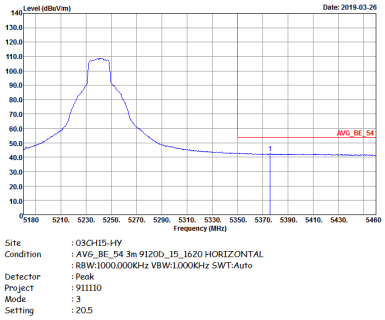
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

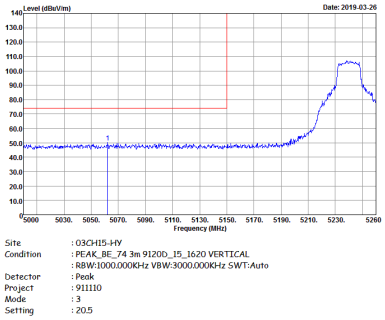
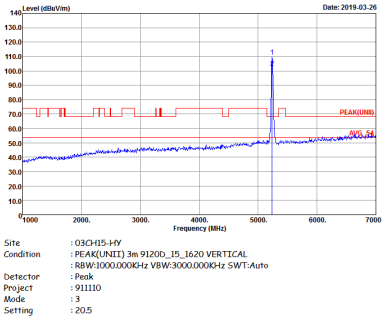
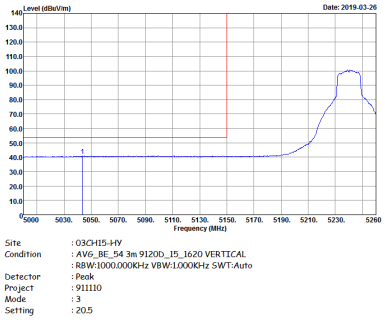
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

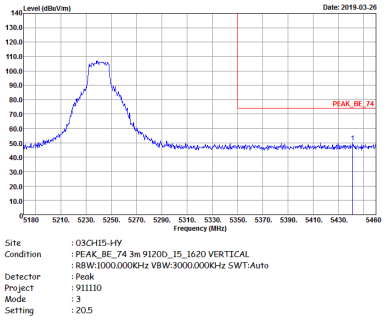
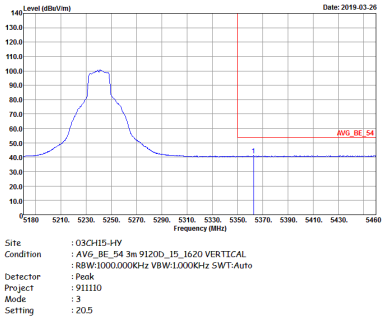
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

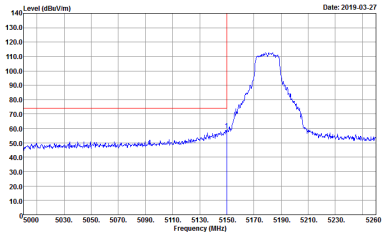
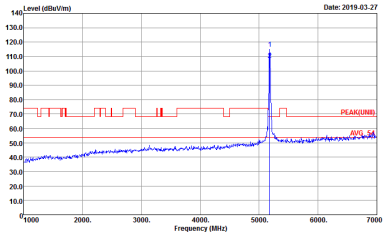
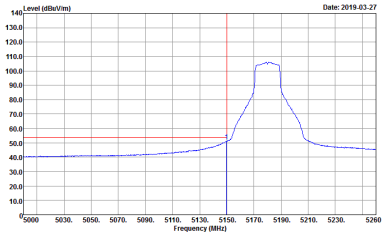
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

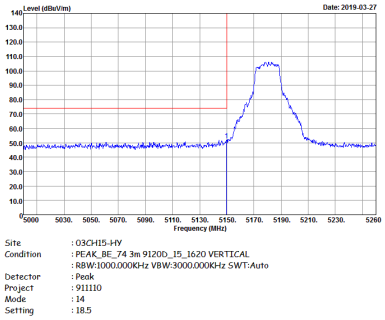
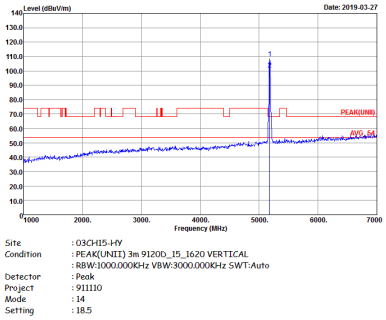
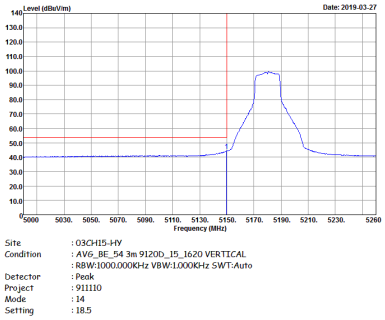
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

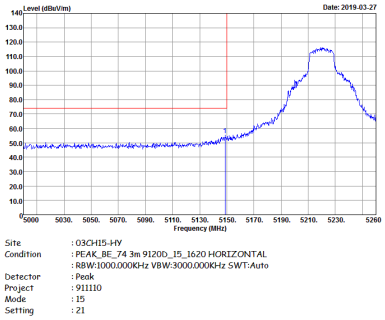
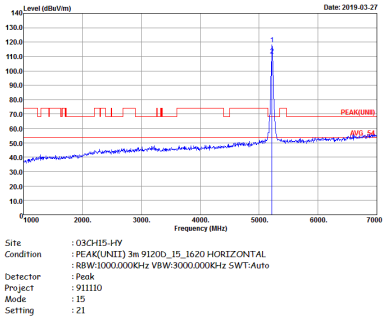
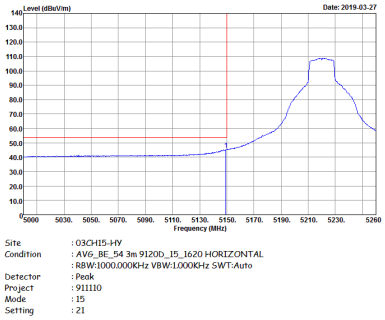
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

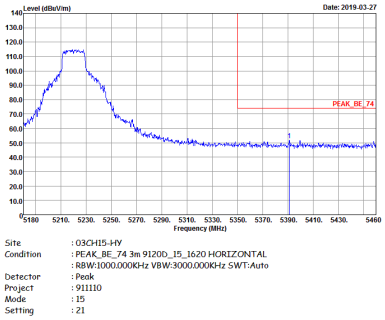
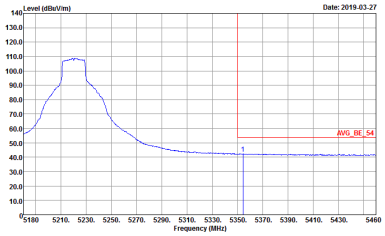
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

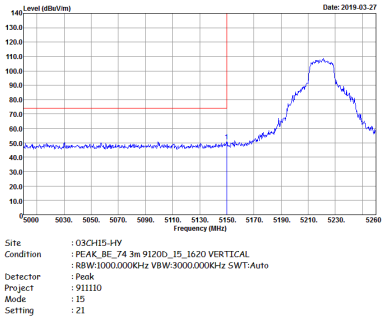
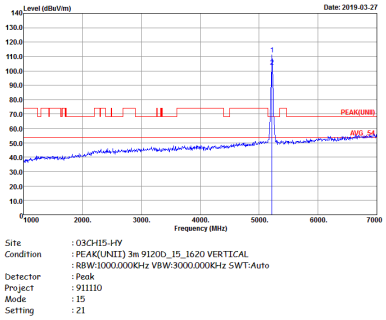
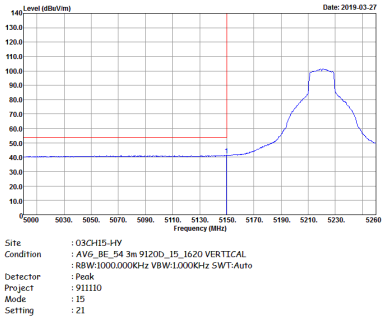
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

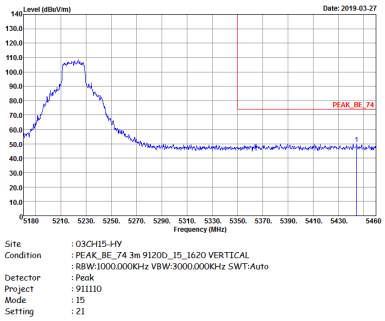
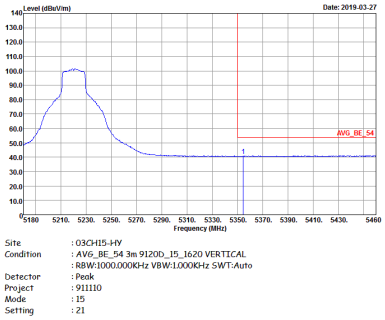
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 14 Setting : 18.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 14 Setting : 18.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 14 Setting : 18.5	Left blank

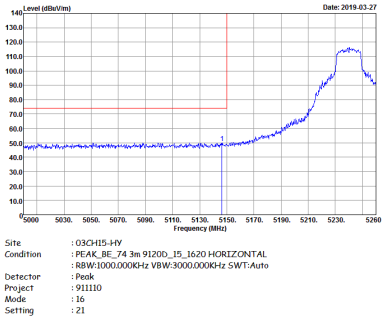
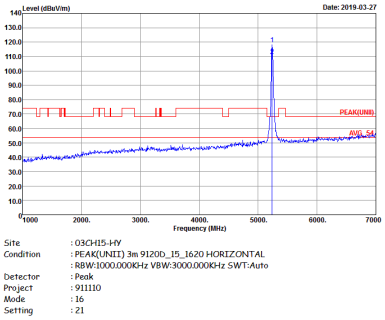
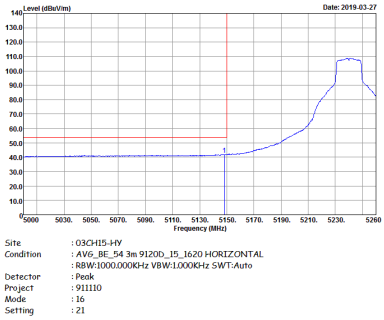
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 14 Setting : 18.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 14 Setting : 18.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 14 Setting : 18.5	Left blank

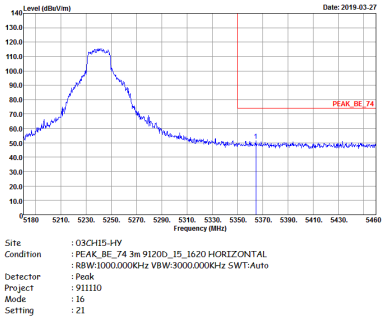
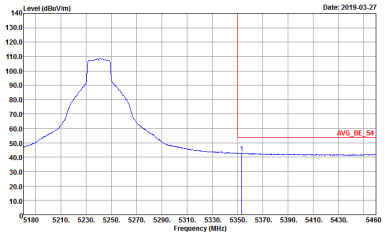
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 15 Setting : 21	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 15 Setting : 21
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 15 Setting : 21	Left blank

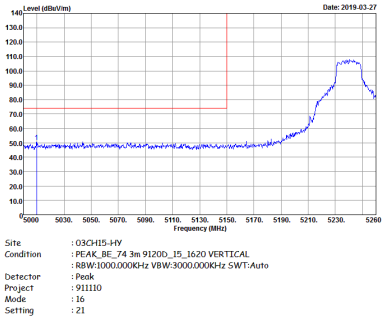
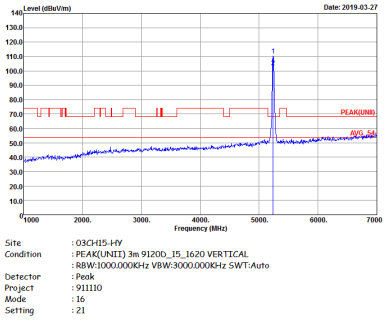
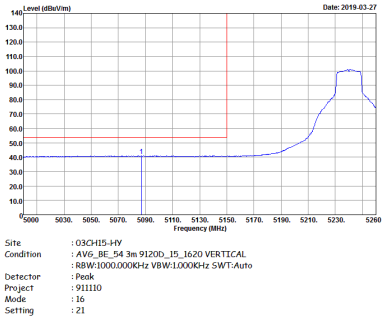
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 15 Setting : 21	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 15 Setting : 21	Left blank

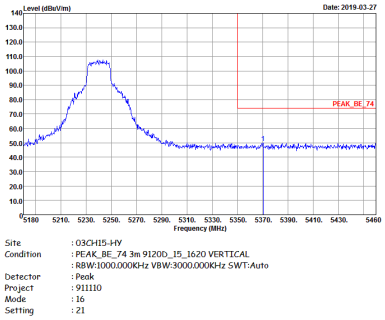
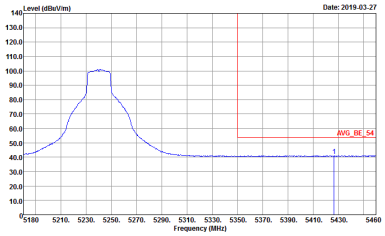
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

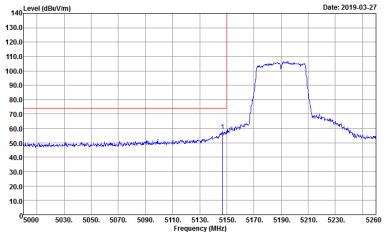
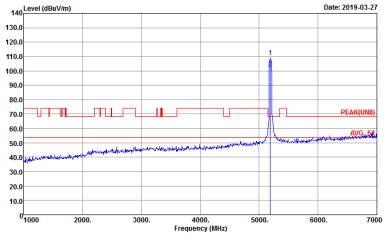
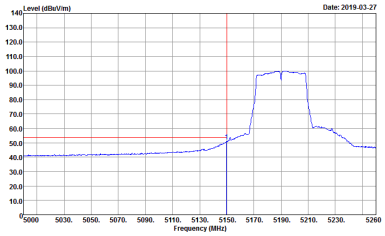
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

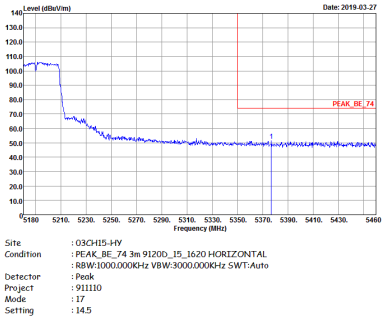
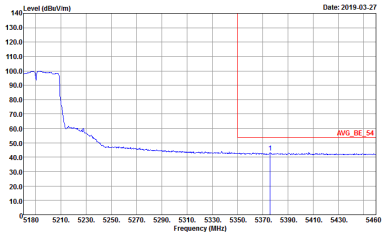
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 16 Setting : 21	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 16 Setting : 21	Left blank

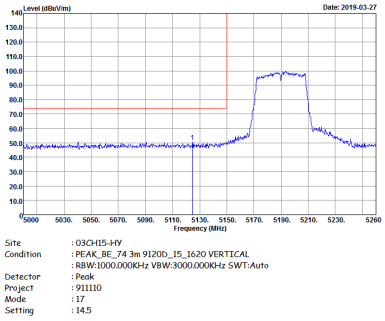
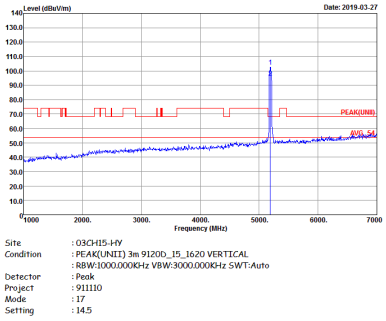
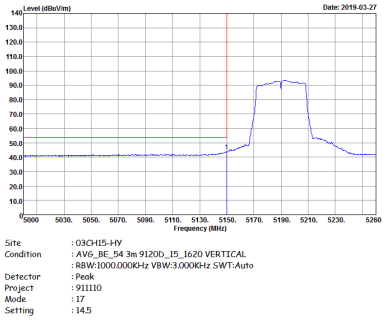
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

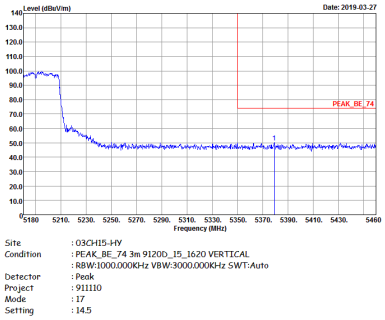
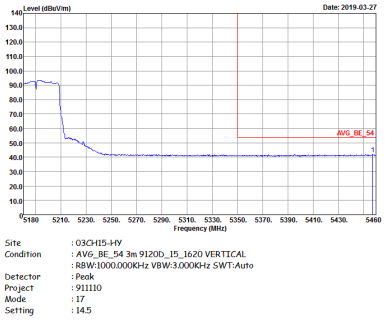
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 16 Setting : 21	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 16 Setting : 21	Left blank

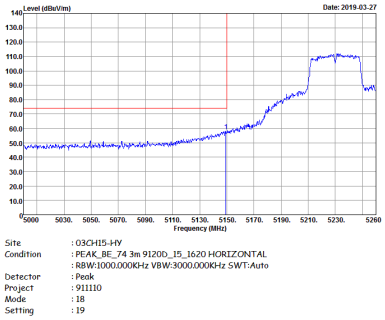
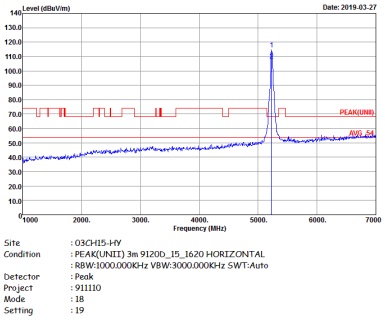
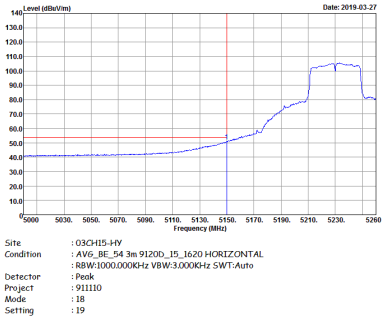
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

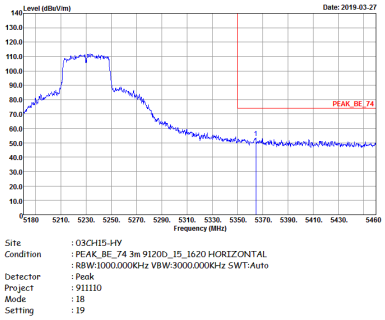
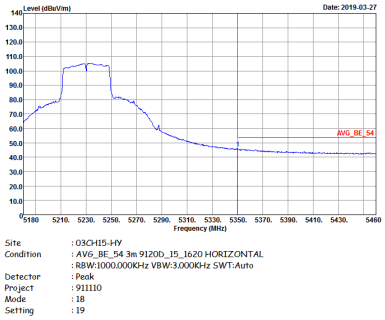
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 17 Setting : 14.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 17 Setting : 14.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 17 Setting : 14.5	Left blank

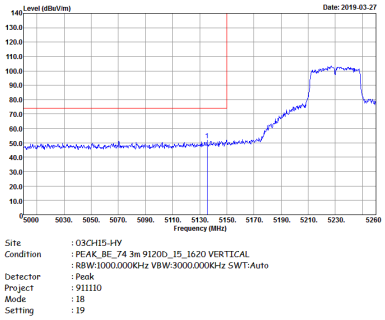
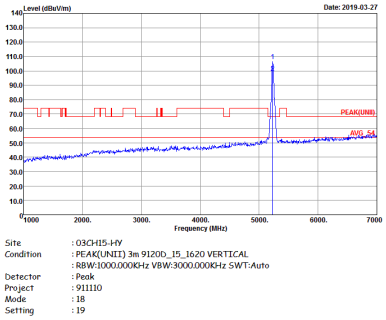
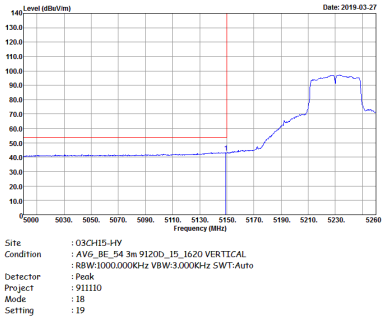
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 17 Setting : 14.5	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 17 Setting : 14.5	Left blank

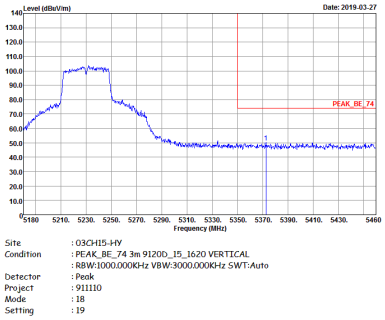
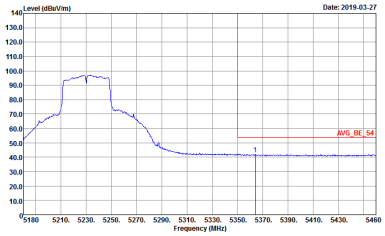
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

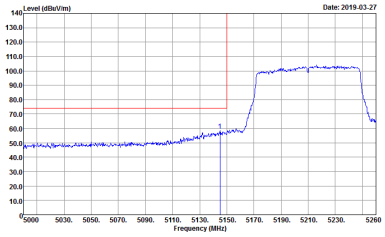
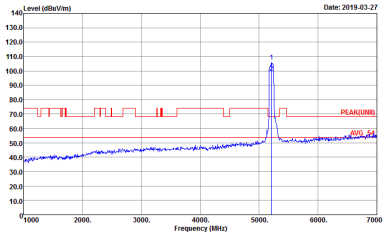
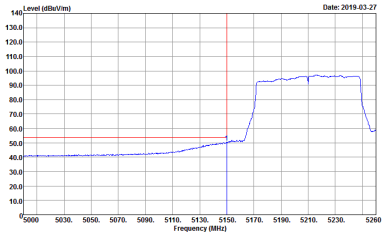
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 18 Setting : 19	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 18 Setting : 19
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 18 Setting : 19	Left blank

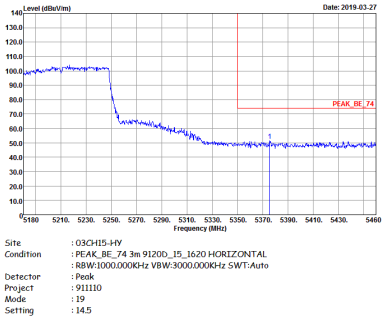
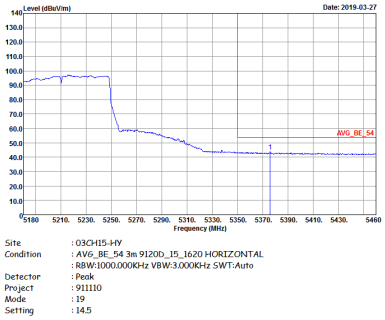
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

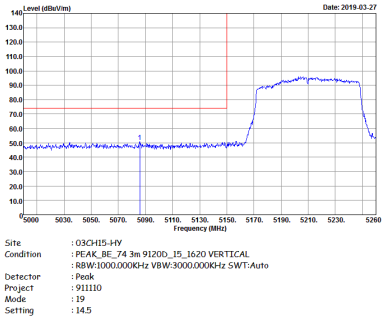
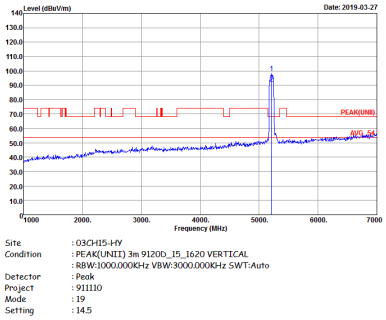
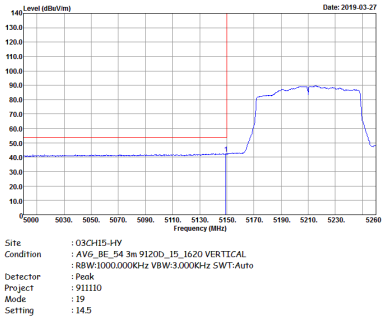
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

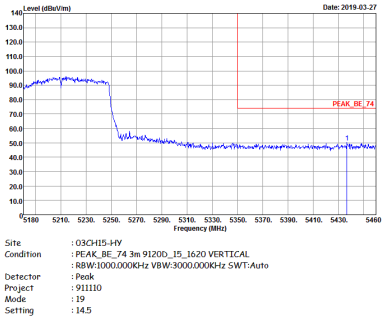
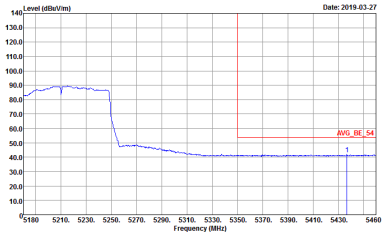
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 18 Setting : 19	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 18 Setting : 19	Left blank

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 19 Setting : 14.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 19 Setting : 14.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 19 Setting : 14.5	Left blank

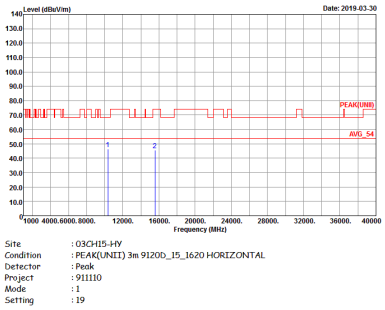
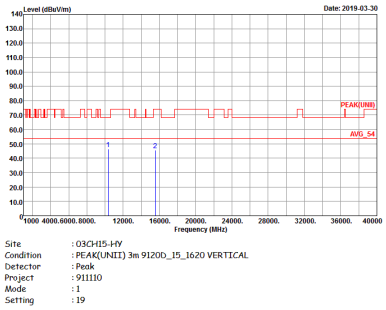
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

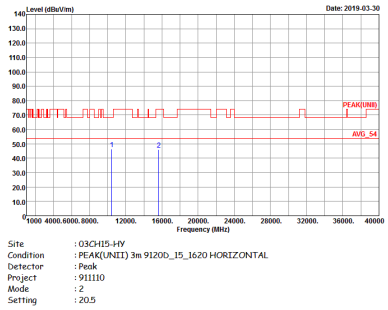
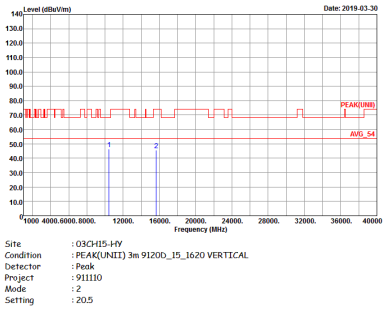
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

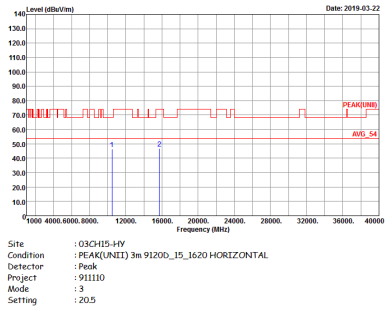
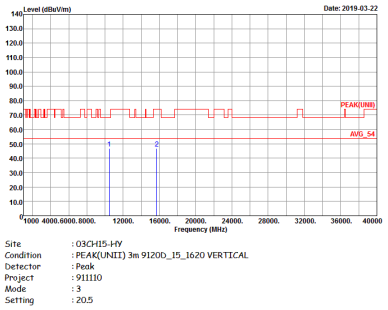
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 19 Setting : 14.5	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 19 Setting : 14.5	Left blank

Band 1 - 5150~5250MHz

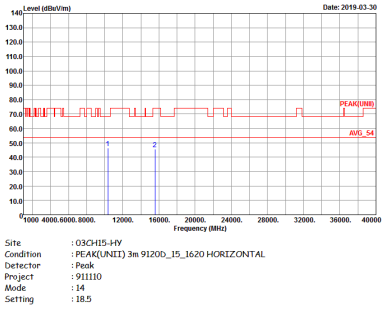
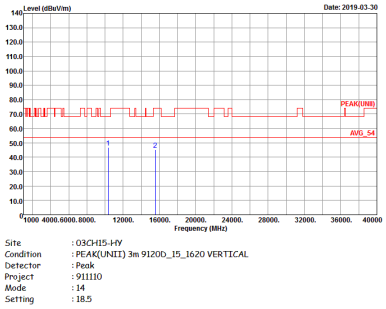
WIFI 802.11a (Harmonic @ 3m)

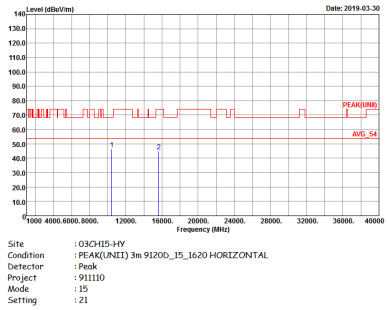
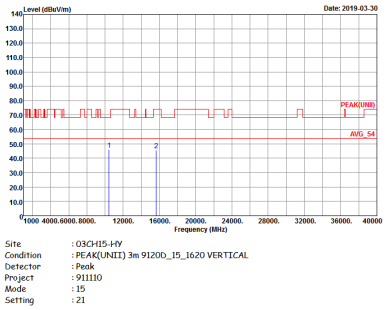
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

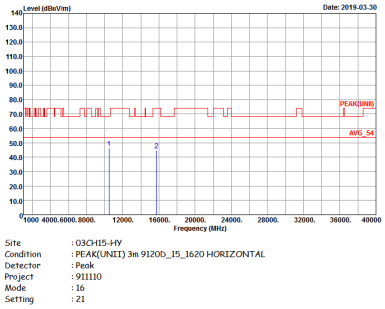
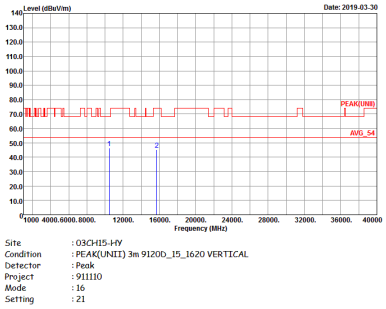
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

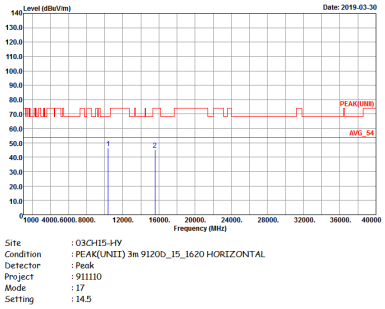
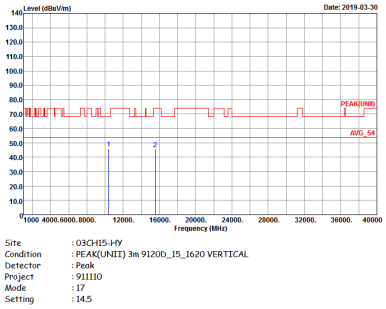
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

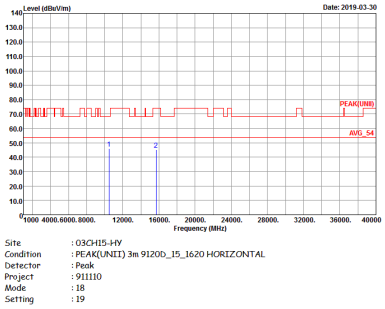
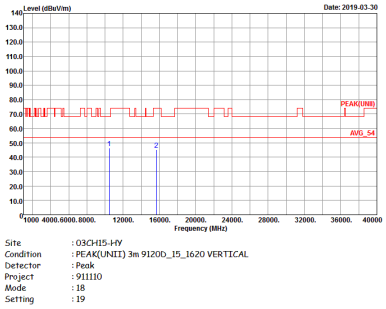
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

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

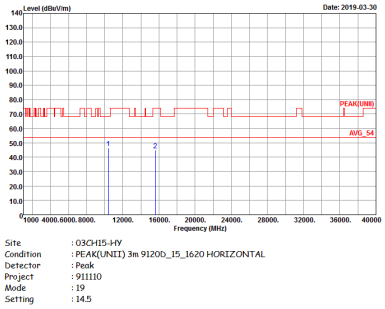
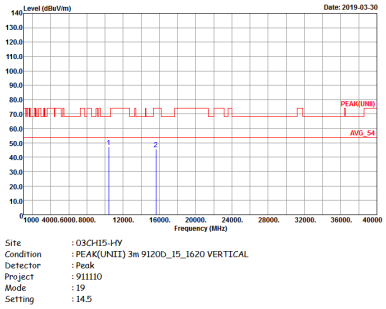
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

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

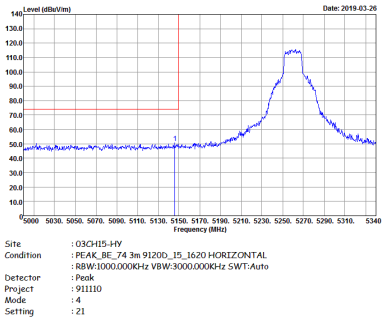
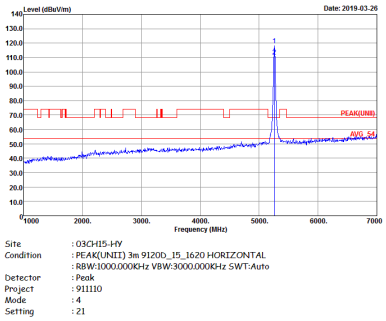
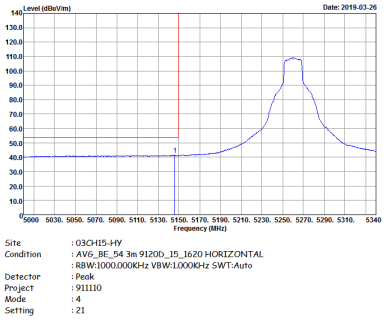
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.		

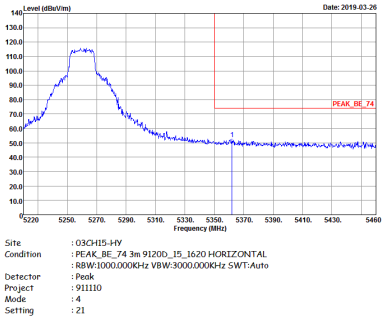
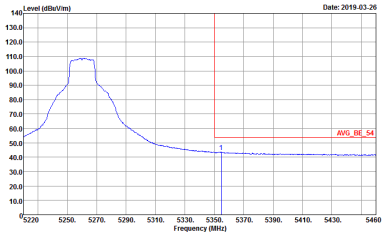
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

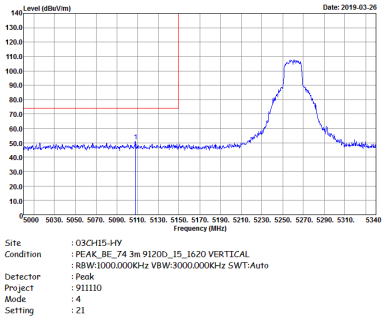
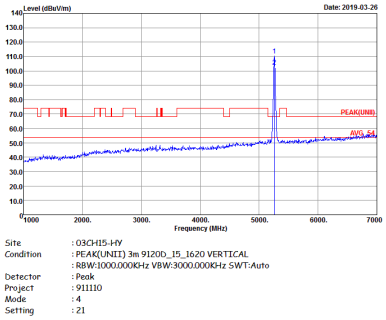
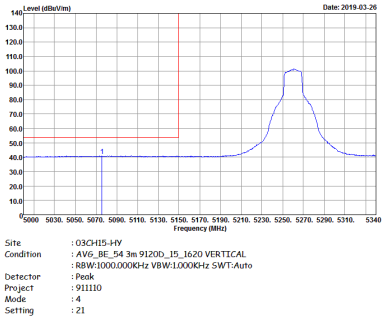
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

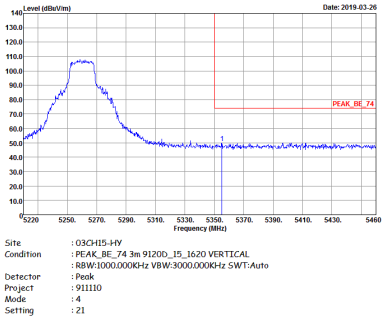
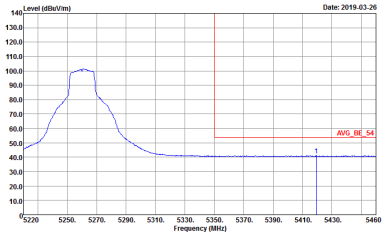
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

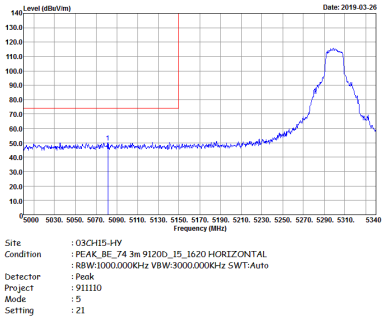
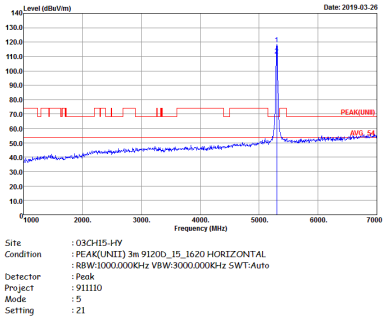
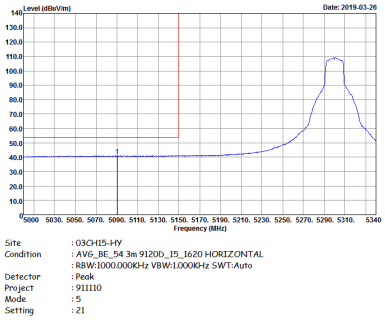
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

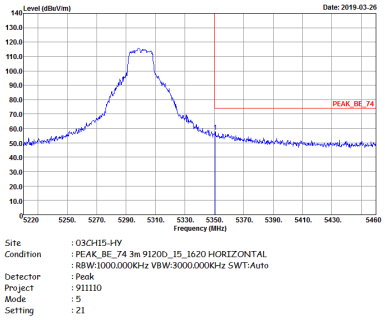
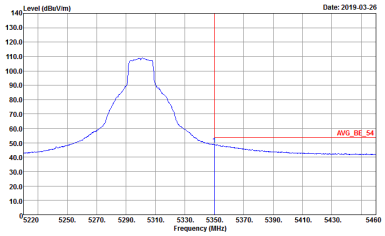
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

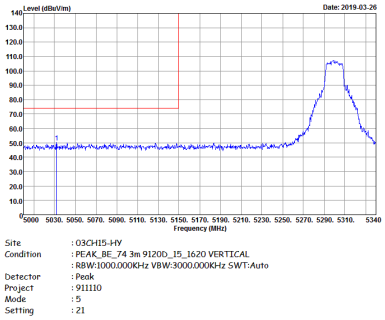
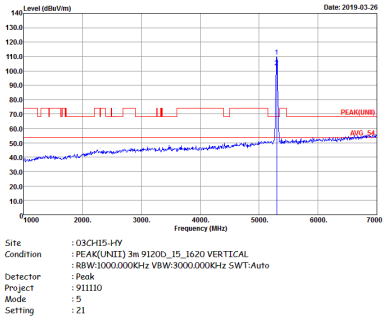
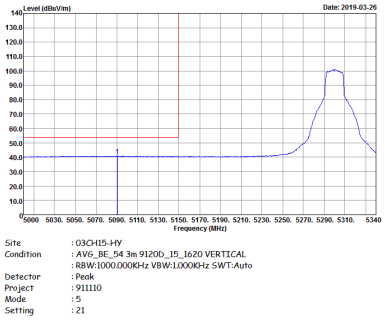
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 4 Setting : 21	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 4 Setting : 21	Left blank

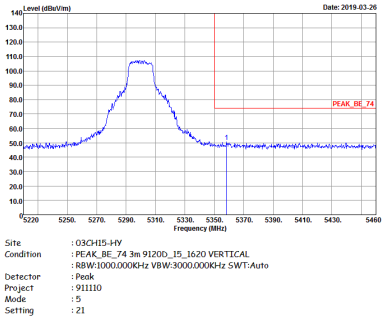
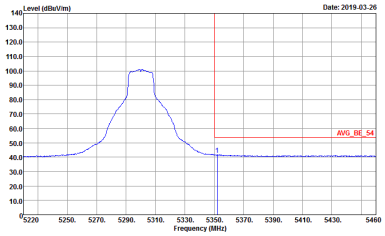
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

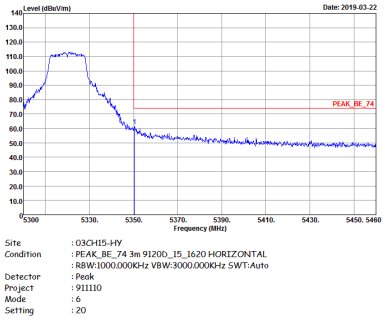
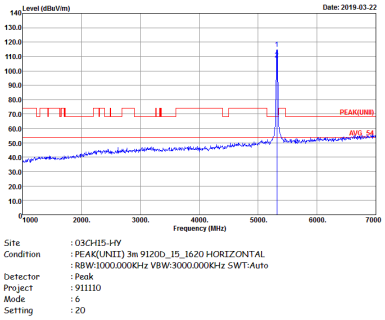
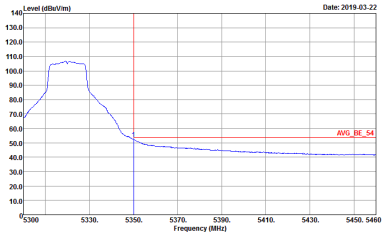
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 4 Setting : 21	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 4 Setting : 21	Left blank

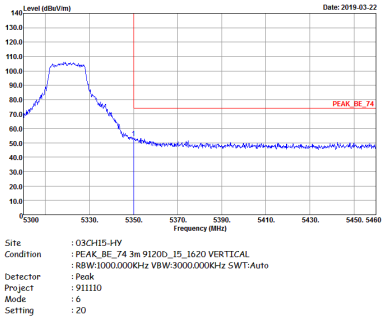
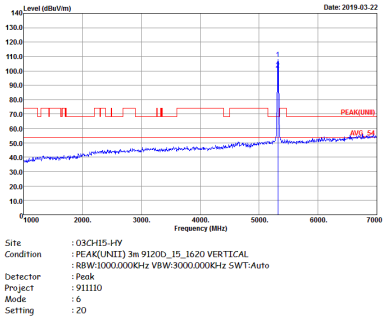
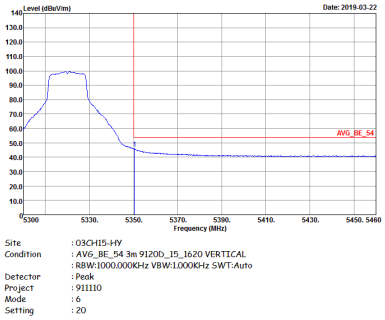
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 5 Setting : 21	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 5 Setting : 21	Left blank

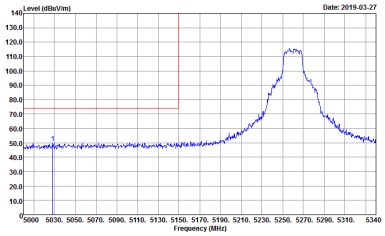
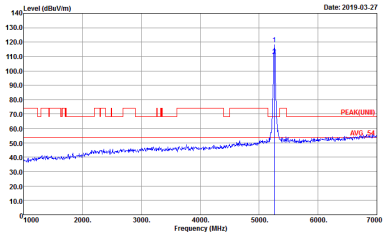
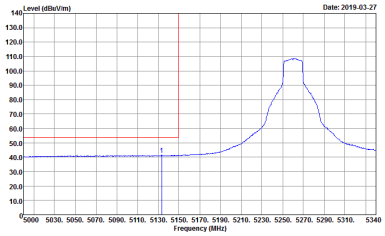
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

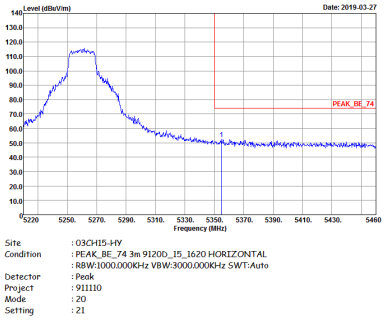
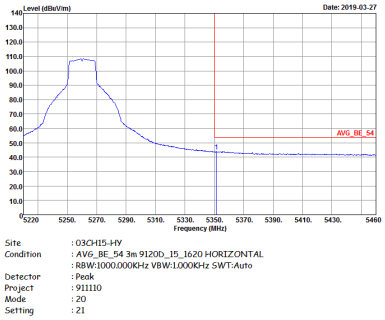
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 5 Setting : 21	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 5 Setting : 21	Left blank

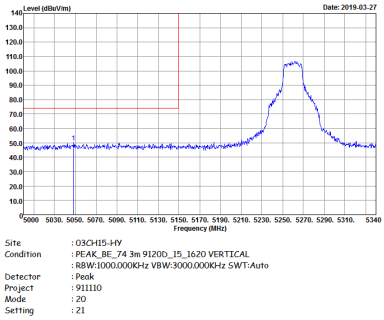
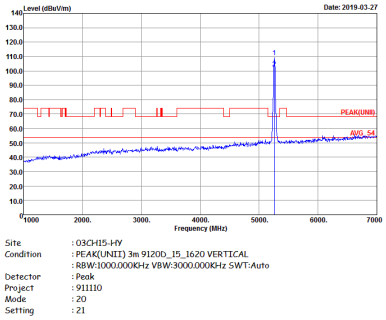
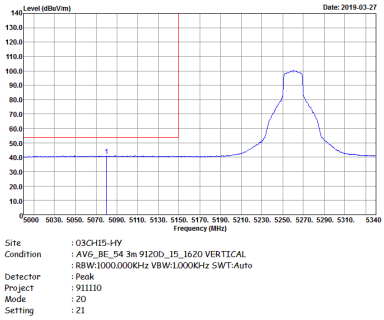
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 6 Setting : 20	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 6 Setting : 20
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 6 Setting : 20	Left blank

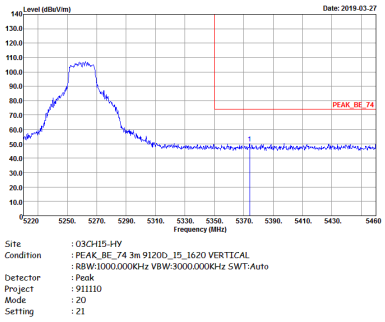
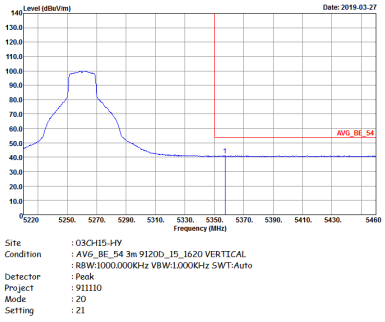
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 20 Setting : 21	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 20 Setting : 21
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911110 Mode : 20 Setting : 21	Left blank

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