FCC RADIO TEST REPORT

FCC ID	**:**	**I28-WYSBHVDXP**
Equipment	**:**	**WLAN/BTLE module**
Brand Name	**:**	**ZEBRA**
Model Name	**:**	**WYSBHVDXP**
Applicant	**:**	**Zebra Technologies Corporation** **3 Overlook Point, Lincolnshire, IL 60069, United States**
Manufacturer	**:**	**Zebra Technologies Corporation** **3 Overlook Point, Lincolnshire, IL 60069, United States**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Mar. 08, 2021 and testing was started from Mar. 19, 2021 and completed on Apr. 27, 2021. We, Sporton International Inc. Wensan 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 test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR0D2423D	01	Initial issue of report	May 05, 2021

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 1.85 dB at 5150.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 9.36 dB at 13.240 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: Tina Chuang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	WLAN/BTLE module
Brand Name	ZEBRA
Model Name	WYSBHVDXP
FCC ID	I28-WYSBHVDXP
EUT supports Radios application	WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 WLAN 11ax HE20/HE40/HE80 Bluetooth BR/EDR/LE
HW Version	Revision F
SW Version	17.68.01.p13
EUT Stage	Identical Prototype

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

Supported Unit Used in Test Configuration and System				
Printer	**Brand Name**	ZEBRA	**Model Name**	ZQ521
Battery	**Brand Name**	ZEBRA	**Part Number**	P1089503-003
AC Adapter	**Brand Name**	ZEBRA	**Model Name**	FSP025-DYAA3
Bluetooth Antenna 1	**Brand Name**	gigaAnt	**Model Name**	3030A5645-01
Bluetooth Antenna 2	**Brand Name**	TAIYO YUDEN	**Model Name**	AH 168M245001
Bluetooth Antenna 3	**Brand Name**	Johanson Technology	**Model Name**	2450AT07A0100
WLAN Antenna 1	**Brand Name**	Laird	**Model Name**	RD2458-5
WLAN Antenna 2	**Brand Name**	Pulse	**Model Name**	W3006
WLAN Antenna 3	**Brand Name**	Auden	**Model Name**	220370-09
WLAN Antenna 4	**Brand Name**	Auden	**Model Name**	B91882-30

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	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>** 802.11a: 14.70 dBm / 0.0295W **<Ant. 2>** 802.11a: 13.90 dBm / 0.0245 W **MIMO<Ant. 1 + 2>** 802.11n HT20: 12.84 dBm / 0.0192 W 802.11n HT40: 11.88 dBm / 0.0154 W 802.11ac VHT20: 12.74 dBm / 0.0188 W 802.11ac VHT40: 11.78 dBm / 0.0151 W 802.11ac VHT80: 8.52 dBm / 0.0071 W 802.11ax HE20: 12.94 dBm / 0.0197 W 802.11ax HE40: 11.98 dBm / 0.0158 W 802.11ax HE80: 4.60 dBm / 0.0029 W **<5260 MHz ~ 5320 MHz>** **<Ant. 1>** 802.11a: 13.90 dBm / 0.0245 W **<Ant. 2>** 802.11a: 13.90dBm / 0.0245 W **MIMO<Ant. 1 + 2>** 802.11n HT20: 12.87 dBm / 0.0194 W 802.11n HT40: 11.87 dBm / 0.0154 W 802.11ac VHT20: 12.77 dBm / 0.0189 W 802.11ac VHT40: 11.77 dBm / 0.0150 W 802.11ac VHT80: 8.72 dBm / 0.0074 W 802.11ax HE20: 12.97 dBm / 0.0198 W 802.11ax HE40: 11.97 dBm / 0.0157 W 802.11ax HE80: 4.84 dBm / 0.0030 W **<5500 MHz ~ 5720 MHz>** **<Ant. 1>** 802.11a: 14.00 dBm / 0.0251 W **<Ant. 2>** 802.11a: 13.90 dBm / 0.0245 W **MIMO<Ant. 1 + 2>** 802.11n HT20: 12.87 dBm / 0.0194 W 802.11n HT40: 11.86 dBm / 0.0154 W 802.11ac VHT20: 12.77 dBm / 0.0189 W 802.11ac VHT40: 11.76 dBm / 0.0150 W 802.11ac VHT80: 8.97 dBm / 0.0079 W 802.11ax HE20: 12.97 dBm / 0.0198 W 802.11ax HE40: 11.96 dBm / 0.0157 W 802.11ax HE80: 5.86 dBm / 0.0039 W

Product Specification subjective to this standard	
99% Occupied Bandwidth	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>** 802.11a: 16.78 MHz **<Ant. 2>** 802.11a: 16.83 MHz **MIMO<Ant. 1>** 802.11ac VHT80: 77.56 MHz 802.11ax HE20: 18.78 MHz 802.11ax HE40: 37.96 MHz **MIMO<Ant. 2>** 802.11ac VHT80: 77.32 MHz 802.11ax HE20: 18.78 MHz 802.11ax HE40: 37.96 MHz **<5260 MHz ~ 5320 MHz>** **<Ant. 1>** 802.11a: 16.78 MHz **<Ant. 2>** 802.11a: 16.83 MHz **MIMO<Ant. 1>** 802.11ac VHT80: 77.68 MHz 802.11ax HE20: 18.78 MHz 802.11ax HE40: 37.96 MHz **MIMO<Ant. 2>** 802.11ac VHT80: 77.20 MHz 802.11ax HE20: 18.83 MHz 802.11ax HE40: 37.96 MHz **<5500 MHz ~ 5720 MHz>** **<Ant. 1>** 802.11a: 16.83 MHz **<Ant. 2>** 802.11a: 16.78 MHz **MIMO<Ant. 1>** 802.11ac VHT80: 77.44 MHz 802.11ax HE20: 18.88 MHz 802.11ax HE40: 37.86 MHz **MIMO<Ant. 2>** 802.11ac VHT80: 77.32 MHz 802.11ax HE20: 18.78 MHz 802.11ax HE40: 37.96 MHz

<table>
<tr><th colspan="2">Product Specification subjective to this standard</th></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
<RD2458-5>:
<Ant. 1>: Dipole Antenna with gain 5.0 dBi
<Ant. 2>: Dipole Antenna with gain 5.0 dBi
<W3006>:
<Ant. 1>: Chip Antenna with gain 4.2 dBi
<Ant. 2>: Chip Antenna with gain 4.2 dBi
<220370-09>
<Ant. 1>: Mylar Antenna with gain 2.18 dBi
<Ant. 2>: Mylar Antenna with gain 2.18 dBi
<B91882-30>
<Ant. 1>: Mylar Antenna with gain 3.4 dBi
<Ant. 2>: Mylar Antenna with gain 3.4 dBi
<5260 MHz ~ 5320 MHz>
<RD2458-5>:
<Ant. 1>: Dipole Antenna with gain 5.0 dBi
<Ant. 2>: Dipole Antenna with gain 5.0 dBi
<W3006>:
<Ant. 1>: Chip Antenna with gain 4.2 dBi
<Ant. 2>: Chip Antenna with gain 4.2 dBi
<220370-09>
<Ant. 1>: Mylar Antenna with gain 2.71 dBi
<Ant. 2>: Mylar Antenna with gain 2.71 dBi
<B91882-30>
<Ant. 1>: Mylar Antenna with gain 3.3 dBi
<Ant. 2>: Mylar Antenna with gain 3.3 dBi
<5500 MHz ~ 5720 MHz>
<RD2458-5>:
<Ant. 1>: Dipole Antenna with gain 5.0 dBi
<Ant. 2>: Dipole Antenna with gain 5.0 dBi
<W3006>:
<Ant. 1>: Chip Antenna with gain 4.2 dBi
<Ant. 2>: Chip Antenna with gain 4.2 dBi
<220370-09>
<Ant. 1>: Mylar Antenna with gain 3.19 dBi
<Ant. 2>: Mylar Antenna with gain 3.19 dBi
<B91882-30>
<Ant. 1>: Mylar Antenna with gain 4.4 dBi
<Ant. 2>: Mylar Antenna with gain 4.4 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)
802.11ax : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM/ 1024QAM)</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</td><td>V</td><td>V</td></tr><tr><td>802.11 n/ac/ax MIMO</td><td>V</td><td>V</td></tr></table></td></tr>
</table>

Remark:

1. MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.
2. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

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. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY ,CO07-HY, 03CH15-HY

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

FCC designation No.: TW3786

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. The TAF code is not including all the FCC KDB listed without accreditation.
3. 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 two antenna polarization (Horizontal and Vertical). The worst cases (Ant. Vertical for RD2458-5; Ant. Horizontal for W3006 ; Ant. Vertical for 220370-09 for SISO Mode, Ant. Horizontal for MIMO Mode) were recorded in this report.

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "#" were 802.11ac VHT80 and 802.11ax HE80.

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

MIMO Mode

Modulation	Data Rate
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80 (Covered by VHT80)	MCS0

Test Cases	
AC Conducted Emission	Mode 1 :WLAN (5GHz) Link + Bluetooth Link + Printer + AC Adapter + WLAN Antenna *2 + Bluetooth Antenna

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
		802.11ax HE20	802.11ax HE20	802.11ax HE20
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
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

<Ant. 1>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)						
		6M		9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		98.93		98.40	97.90	96.90	96.00	94.40	92.80	92.20
CH 036	5180	14.70	CH 036	14.60	14.60	14.60	14.60	14.60	14.60	14.60
CH 044	5220	13.50								
CH 048	5240	13.50								
CH 052	5260	13.50	CH 064	13.80	13.80	13.80	13.80	13.80	13.80	13.80
CH 060	5300	13.50								
CH 064	5320	13.90								
CH 100	5500	11.60	CH 144*	13.90	13.90	13.90	13.90	13.90	13.90	13.90
CH 116	5580	13.80								
CH 140	5700	13.80								
CH 144*	5720	14.00								

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

<Ant. 2>

802.11a RF Output Power (dBm)										
Power vs. Channel			Power vs Data Rate							
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)						
		6M		9M	12M	18M	24M	36M	48M	54M
Duty Cycle (%)		98.94		98.40	97.90	96.90	96.00	94.40	92.80	92.20
CH 036	5180	13.90	CH 036	13.80	13.80	13.80	13.80	13.80	13.80	13.80
CH 044	5220	13.90								
CH 048	5240	13.50								
CH 052	5260	13.60	CH 060	13.80	13.80	13.80	13.80	13.80	13.80	13.80
CH 060	5300	13.90								
CH 064	5320	13.90								
CH 100	5500	11.60	CH 116	13.80	13.80	13.80	13.80	13.80	13.80	13.80
CH 116	5580	13.90								
CH 140	5700	13.60								
CH 144*	5720	13.90								

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

MIMO <Ant. 1+2>

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	12.84	CH 036	12.74	12.74	12.74	12.74	12.74	12.74	12.74
CH 044	5220	12.48								
CH 048	5240	12.72								
CH 052	5260	12.48	CH 060	12.77	12.77	12.77	12.77	12.77	12.77	12.77
CH 060	5300	12.87								
CH 064	5320	12.55								
CH 100	5500	12.54	CH 116	12.77	12.77	12.77	12.77	12.77	12.77	12.77
CH 116	5580	12.87								
CH 140	5700	12.64								
CH 144*	5720	12.43								

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 (%)											
CH038	5190	11.52	CH 046	11.78	11.78	11.78	11.78	11.78	11.78	11.78
CH 046	5230	11.88								
CH 054	5270	11.87								
CH 062	5310	11.41	CH 054	11.77	11.77	11.77	11.77	11.77	11.77	11.77
CH 102	5510	11.64								
CH 110	5550	11.86								
CH 134	5670	11.80	CH 110	11.76	11.76	11.76	11.76	11.76	11.76	11.76
CH 142*	5710	11.50								

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 (%)												
CH 036	5180	12.74	CH 036	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64
CH 044	5220	12.38									
CH 048	5240	12.62									
CH 052	5260	12.38	CH 060	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67
CH 060	5300	12.77									
CH 064	5320	12.45									
CH 100	5500	12.44	CH 116	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67
CH 116	5580	12.77									
CH 140	5700	12.54									
CH 144*	5720	12.33									

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	11.42	CH 046	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68
CH 046	5230	11.78										
CH 054	5270	11.77	CH 054	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67
CH 062	5310	11.31										
CH 102	5510	11.54	CH 110	11.66	11.66	11.66	11.66	11.66	11.66	11.66	11.66	11.66
CH 110	5550	11.76										
CH 134	5670	11.70										
CH 142*	5710	11.40										

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 (%)													
CH 042	5210	8.52	CH 042	8.42	8.42	8.42	8.42	8.42	8.42	8.42	8.42	8.42
CH 058	5290	8.72	CH 058	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62
CH 106	5530	8.51	CH 138*	8.87	8.87	8.87	8.87	8.87	8.87	8.87	8.87	8.87
CH 122	5610	8.73										
CH 138*	5690	8.97										

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

802.11ax HE20 RF Output Power (dBm)															
Power vs. Channel				Power vs Data Rate											
Channel	Frequency (MHz)	RU Config.	MCS Index	Channel	MCS Index										
			MCS0		MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9	MCS 10	MCS 11
Duty Cycle (%)															
CH 036	5180	Full	12.94	CH 036	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84
CH 044	5220	Full	12.58												
CH 048	5240	Full	12.82												
CH 052	5260	Full	12.58	CH 060	12.87	12.87	12.87	12.87	12.87	12.87	12.87	12.87	12.87	12.87	12.87
CH 060	5300	Full	12.97												
CH 064	5320	Full	12.65												
CH 100	5500	Full	12.64	CH 116	12.87	12.87	12.87	12.87	12.87	12.87	12.87	12.87	12.87	12.87	12.87
CH 116	5580	Full	12.97												
CH 140	5700	Full	12.74												
CH 144*	5720	Full	12.53												

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

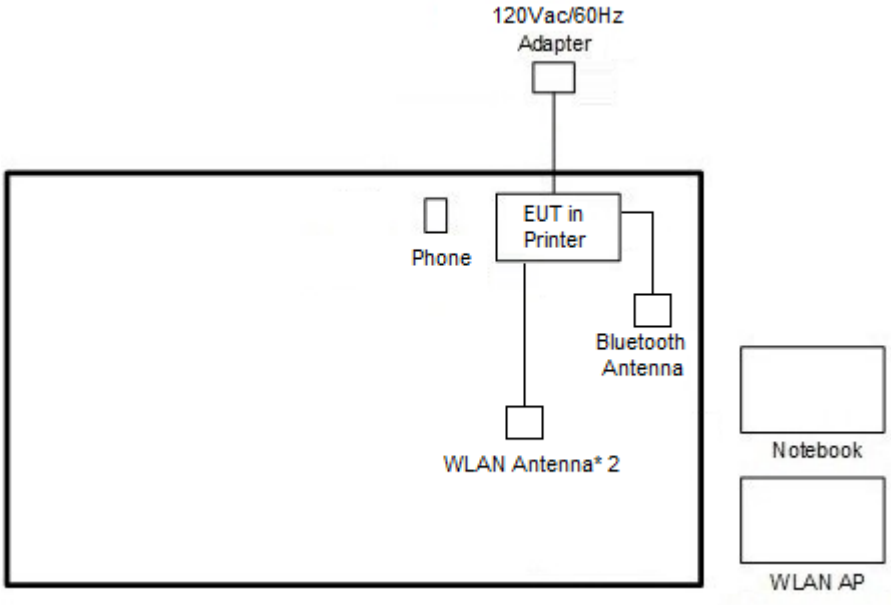
802.11ax HE40 RF Output Power (dBm)														
Power vs. Channel				Power vs Data Rate										
Channel	Frequency (MHz)	RU Config.	MCS Index	Channel	MCS Index									
			MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
Duty Cycle (%)															
CH 038	5190	Full	10.58	CH 046	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88
CH 046	5230	Full	11.98												
CH 054	5270	Full	11.97	CH054	11.87	11.87	11.87	11.87	11.87	11.87	11.87	11.87	11.87	11.87	11.87
CH 062	5310	Full	10.81												
CH 102	5510	Full	11.74	CH 110	11.86	11.86	11.86	11.86	11.86	11.86	11.86	11.86	11.86	11.86	11.86
CH 110	5550	Full	11.96												
CH 134	5670	Full	11.90												
CH 142*	5710	Full	11.60												

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

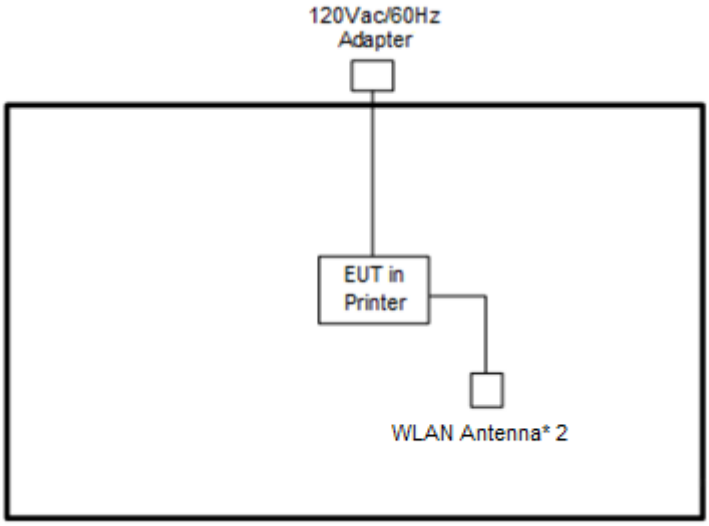
802.11ax HE80 RF Output Power (dBm)														
Power vs. Channel				Power vs Data Rate										
Channel	Frequency (MHz)	RU Config.	MCS Index	Channel	MCS Index									
			MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
Duty Cycle (%)															
CH 042	5210	Full	4.60	CH042	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
CH 058	5290	Full	4.84	CH058	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74
CH 106	5530	Full	5.55	CH 122	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76
CH122	5610	Full	5.86												
CH138*	5690	Full	4.96												

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Lenovo	L570	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Phone	SUGAR	Y12s	FCC DoC	N/A	N/A
4.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “Toolbox_Version 1.84” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

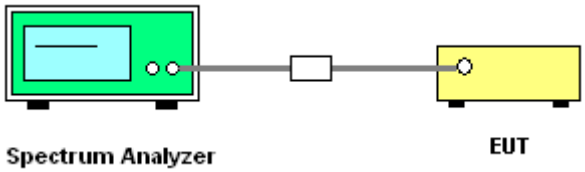
3.1.2 Measuring Instruments

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 :	Rebecca Li and Hank Hsu	Temperature :	21~25℃
		Relative Humidity :	51~54%

Band I single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		-	Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	16.73	16.83	21.75	22.30	-		22.24	22.26		
11a	6Mbps	1	44	5220	16.78	16.78	22.80	23.05	-		22.25	22.25	-	-
11a	6Mbps	1	48	5240	16.78	16.78	22.00	22.15	-		22.25	22.25		

Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		-	Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
VHT80	MCS0	2	42	5210	77.56	77.32	82.08	81.92	-		23.01			

Band II single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					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	16.78	16.83	23.40	21.85	23.25	23.26	29.25	29.26	23.98	23.98	-
11a	6Mbps	1	60	5300	16.78	16.78	22.40	23.50	23.25	23.25	29.25	29.25	23.98	23.98	
11a	6Mbps	1	64	5320	16.78	16.78	22.35	22.40	23.25	23.25	29.25	29.25	23.98	23.98	

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
VHT80	MCS0	2	58	5290	77.68	77.20	82.08	81.60	23.98		30.00		23.98		

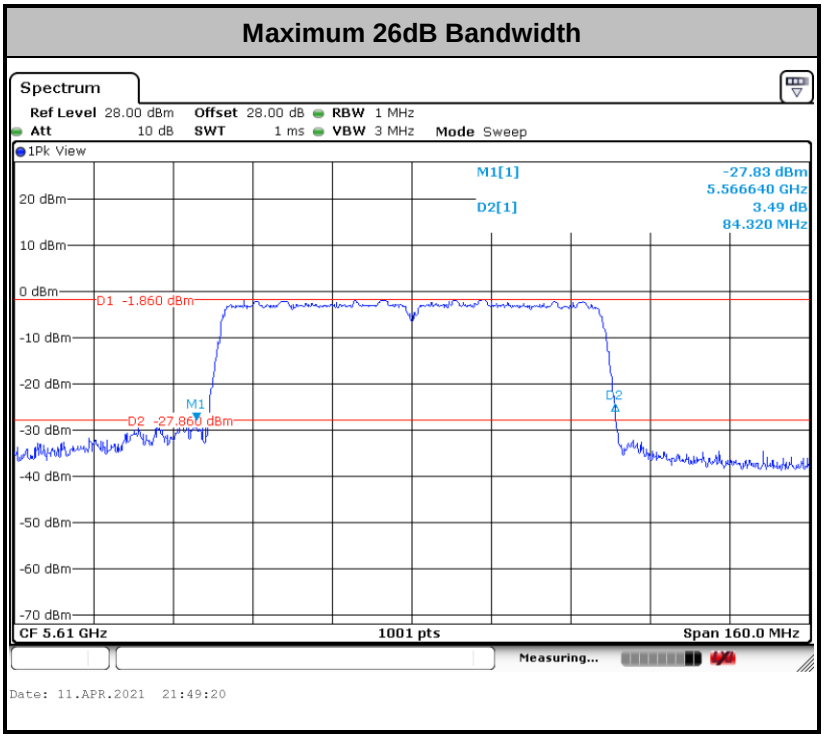
Band III single antenna																
Mod	Data Rate	NTX	CH	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 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	16.83	16.78	22.10	22.85	23.26	23.25	29.26	29.25	23.98	23.98	-	-
11a	6Mbps	1	116	5580	16.78	16.78	23.45	23.55	23.25	23.25	29.25	29.25	23.98	23.98	-	-
11a	6Mbps	1	140	5700	16.78	16.73	22.45	22.45	23.25	23.24	29.25	29.24	23.98	23.98	-	-

Band III MIMO																	
Mod	Data Rate	NTX	CH	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		99% Bandwidth Power Limit (dBm)		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
VHT80	MCS0	2	106	5530	77.44	77.32	81.92	81.76	23.98		30.00		23.98		-	-
VHT80	MCS0	2	122	5610	77.44	77.32	84.32	81.76	23.98		30.00		23.98		-	-

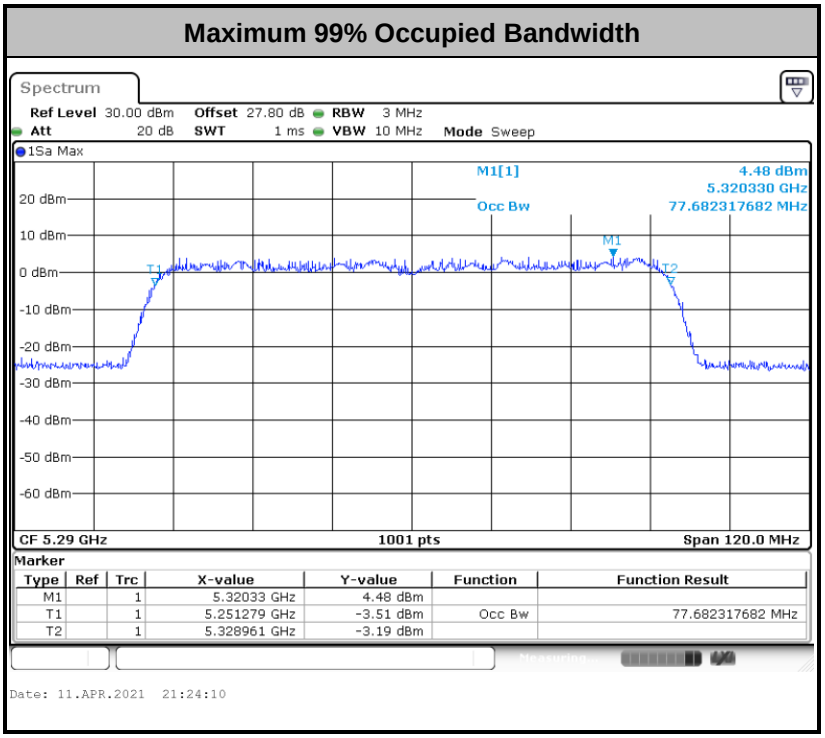
Band III straddle channel single antenna																
Mod	Data Rate	NTX	CH	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					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	144	5720	13.44	13.44	16.65	15.95	22.28	22.28	28.28	28.28	23.21	23.03	3.15	3.2

Band III straddle channel MIMO																
Mod	Data Rate	NTX	CH	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		99% Bandwidth Power Limit (dBm)		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
VHT80	MCS0	2	138	5690	73.84	73.72	75.96	75.64	23.98		30.00		23.98		2.92	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.

<For 802.11ax Mode>

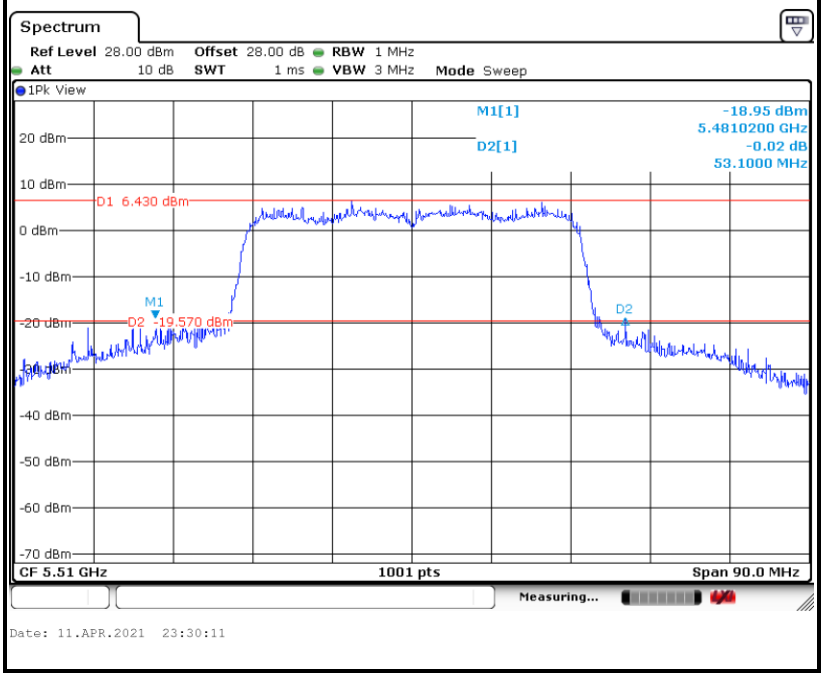
Band I MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		-	Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	18.78	18.78	22.10	22.45	-		22.74		-	-
HE20	MCS0	2	44	5220	Full	18.78	18.78	22.45	22.05	-		22.74			
HE20	MCS0	2	48	5240	Full	18.78	18.78	22.05	21.60	-		22.74			
HE40	MCS0	2	38	5190	Full	37.96	37.96	41.94	43.65	-		23.01		-	-
HE40	MCS0	2	46	5230	Full	37.76	37.96	42.48	43.29	-		23.01		-	-

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full	18.78	18.78	22.45	22.15	23.74		29.74		23.98	-
HE20	MCS0	2	60	5300	Full	18.78	18.78	22.25	22.20	23.74		29.74		23.98	
HE20	MCS0	2	64	5320	Full	18.78	18.83	21.95	22.15	23.74		29.74		23.98	
HE40	MCS0	2	54	5270	Full	37.96	37.96	41.40	42.84	23.98		30.00		23.98	-
HE40	MCS0	2	62	5310	Full	37.86	37.86	41.67	43.56	23.98		30.00		23.98	-

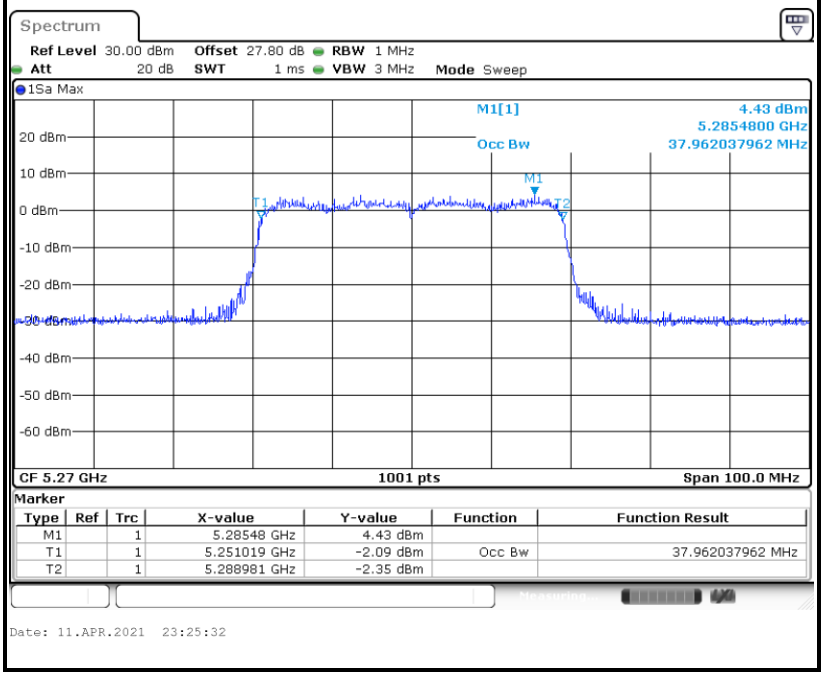
Band III MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	18.88	18.78	32.20	21.80	23.74		29.74		23.98		-	-
HE20	MCS0	2	116	5580	Full	18.88	18.78	24.35	21.90	23.74		29.74		23.98			
HE20	MCS0	2	140	5700	Full	18.83	18.78	22.85	21.85	23.74		29.74		23.98			
HE40	MCS0	2	102	5510	Full	37.86	37.76	53.10	41.49	23.98		30.00		23.98		-	-
HE40	MCS0	2	110	5550	Full	37.76	37.96	43.02	43.47	23.98		30.00		23.98		-	-
HE40	MCS0	2	134	5670	Full	37.86	37.86	42.21	44.19	23.98		30.00		23.98			

Band III straddle channel MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		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
HE20	MCS0	2	144	5720	Full	14.39	14.39	15.80	16.05	22.58		28.58		22.99		3.85	3.8
HE40	MCS0	2	142	5710	Full	33.89	34.08	35.97	36.87	23.98		30.00		23.98		3.54	3.54

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.

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.

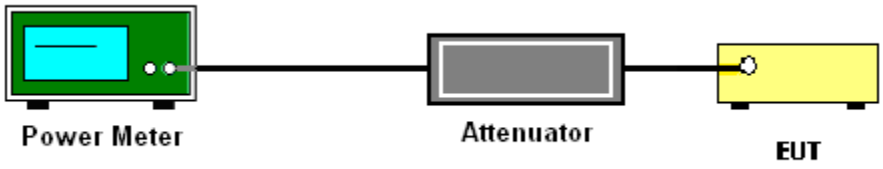
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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 :	Rebecca Li and Hank Hsu	Temperature :	21~25℃
		Relative Humidity :	51~54%

FCC Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	14.70	13.90	-	24.00	24.00	5.00	5.00	Pass
11a	6Mbps	1	44	5220	13.50	13.90		24.00	24.00	5.00	5.00	Pass
11a	6Mbps	1	48	5240	13.50	13.50		24.00	24.00	5.00	5.00	Pass

FCC Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HT20	MCS0	2	36	5180	10.30	9.30	12.84	24.00		5.00		Pass
HT20	MCS0	2	44	5220	9.90	9.00	12.48	24.00		5.00		Pass
HT20	MCS0	2	48	5240	10.00	9.40	12.72	24.00		5.00		Pass
HT40	MCS0	2	38	5190	9.20	7.70	11.52	24.00		5.00		Pass
HT40	MCS0	2	46	5230	9.60	8.00	11.88	24.00		5.00		Pass
VHT20	MCS0	2	36	5180	10.20	9.20	12.74	24.00		5.00		Pass
VHT20	MCS0	2	44	5220	9.80	8.90	12.38	24.00		5.00		Pass
VHT20	MCS0	2	48	5240	9.90	9.30	12.62	24.00		5.00		Pass
VHT40	MCS0	2	38	5190	9.10	7.60	11.42	24.00		5.00		Pass
VHT40	MCS0	2	46	5230	9.50	7.90	11.78	24.00		5.00		Pass
VHT80	MCS0	2	42	5210	6.20	4.70	8.52	24.00		5.00		Pass

FCC Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	13.50	13.60	-	23.98	23.98	5.00	5.00	30	Pass
11a	6Mbps	1	60	5300	13.50	13.90		23.98	23.98	5.00	5.00	30	Pass
11a	6Mbps	1	64	5320	13.90	13.90		23.98	23.98	5.00	5.00	30	Pass

FCC Band II MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	52	5260	9.90	9.00	12.48	23.98		5.00		30	Pass
HT20	MCS0	2	60	5300	10.10	9.60	12.87	23.98		5.00		30	Pass
HT20	MCS0	2	64	5320	10.10	8.90	12.55	23.98		5.00		30	Pass
HT40	MCS0	2	54	5270	9.50	8.10	11.87	23.98		5.00		30	Pass
HT40	MCS0	2	62	5310	9.00	7.70	11.41	23.98		5.00		30	Pass
VHT20	MCS0	2	52	5260	9.80	8.90	12.38	23.98		5.00		30	Pass
VHT20	MCS0	2	60	5300	10.00	9.50	12.77	23.98		5.00		30	Pass
VHT20	MCS0	2	64	5320	10.00	8.80	12.45	23.98		5.00		30	Pass
VHT40	MCS0	2	54	5270	9.40	8.00	11.77	23.98		5.00		30	Pass
VHT40	MCS0	2	62	5310	8.90	7.60	11.31	23.98		5.00		30	Pass
VHT80	MCS0	2	58	5290	6.60	4.60	8.72	23.98		5.00		30	Pass

FCC Band III single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	11.60	11.60	-	23.98	23.98	5.00	5.00	30	Pass
11a	6Mbps	1	116	5580	13.80	13.90		23.98	23.98	5.00	5.00	30	Pass
11a	6Mbps	1	140	5700	13.80	13.60		23.98	23.98	5.00	5.00	30	Pass

FCC Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	100	5500	10.30	8.60	12.54	23.98		5.00		30	Pass
HT20	MCS0	2	116	5580	10.90	8.50	12.87	23.98		5.00		30	Pass
HT20	MCS0	2	140	5700	10.70	8.20	12.64	23.98		5.00		30	Pass
HT40	MCS0	2	102	5510	9.40	7.70	11.64	23.98		5.00		30	Pass
HT40	MCS0	2	110	5550	9.70	7.80	11.86	23.98		5.00		30	Pass
HT40	MCS0	2	134	5670	9.90	7.30	11.80	23.98		5.00		30	Pass
VHT20	MCS0	2	100	5500	10.20	8.50	12.44	23.98		5.00		30	Pass
VHT20	MCS0	2	116	5580	10.80	8.40	12.77	23.98		5.00		30	Pass
VHT20	MCS0	2	140	5700	10.60	8.10	12.54	23.98		5.00		30	Pass
VHT40	MCS0	2	102	5510	9.30	7.60	11.54	23.98		5.00		30	Pass
VHT40	MCS0	2	110	5550	9.60	7.70	11.76	23.98		5.00		30	Pass
VHT40	MCS0	2	134	5670	9.80	7.20	11.70	23.98		5.00		30	Pass
VHT80	MCS0	2	106	5530	6.50	4.20	8.51	23.98		5.00		30	Pass
VHT80	MCS0	2	122	5610	7.00	3.90	8.73	23.98		5.00		30	Pass

FCC Band III straddle channel single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	14.00	13.90	-	23.21	23.03	5.00	5.00	30	Pass

FCC Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	144	5720	10.60	7.80	12.43	23.98		5.00		30	Pass
HT40	MCS0	2	142	5710	9.60	7.00	11.50	23.98		5.00		30	Pass
VHT20	MCS0	2	144	5720	10.50	7.70	12.33	23.98		5.00		30	Pass
VHT40	MCS0	2	142	5710	9.50	6.90	11.40	23.98		5.00		30	Pass
VHT80	MCS0	2	138	5690	7.40	3.80	8.97	23.98		5.00		30	Pass

<For 802.11ax Mode>

FCC Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	36	5180	Full	10.40	9.40	12.94	24.00		5.00		Pass
HE20	MCS0	2	44	5220	Full	10.00	9.10	12.58	24.00		5.00		Pass
HE20	MCS0	2	48	5240	Full	10.10	9.50	12.82	24.00		5.00		Pass
HE40	MCS0	2	38	5190	Full	8.30	6.70	10.58	24.00		5.00		Pass
HE40	MCS0	2	46	5230	Full	9.70	8.10	11.98	24.00		5.00		Pass
HE80	MCS0	2	42	5210	Full	2.40	0.60	4.60	24.00		5.00		Pass

FCC Band II MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	10.00	9.10	12.58	23.98		5.00		30	Pass
HE20	MCS0	2	60	5300	Full	10.20	9.70	12.97	23.98		5.00		30	Pass
HE20	MCS0	2	64	5320	Full	10.20	9.00	12.65	23.98		5.00		30	Pass
HE40	MCS0	2	54	5270	Full	9.60	8.20	11.97	23.98		5.00		30	Pass
HE40	MCS0	2	62	5310	Full	8.40	7.10	10.81	23.98		5.00		30	Pass
HE80	MCS0	2	58	5290	Full	2.60	0.90	4.84	23.98		5.00		30	Pass

FCC Band III MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	10.40	8.70	12.64	23.98		5.00		30	Pass
HE20	MCS0	2	116	5580	Full	11.00	8.60	12.97	23.98		5.00		30	Pass
HE20	MCS0	2	140	5700	Full	10.80	8.30	12.74	23.98		5.00		30	Pass
HE40	MCS0	2	102	5510	Full	9.50	7.80	11.74	23.98		5.00		30	Pass
HE40	MCS0	2	110	5550	Full	9.80	7.90	11.96	23.98		5.00		30	Pass
HE40	MCS0	2	134	5670	Full	10.00	7.40	11.90	23.98		5.00		30	Pass
HE80	MCS0	2	106	5530	Full	3.50	1.30	5.55	23.98		5.00		30	Pass
HE80	MCS0	2	122	5610	Full	4.10	1.10	5.86	23.98		5.00		30	Pass

FCC Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	10.70	7.90	12.53	22.99		5.00		30	Pass
HE40	MCS0	2	142	5710	Full	9.70	7.10	11.60	23.98		5.00		30	Pass
HE80	MCS0	2	138	5690	Full	3.20	0.20	4.96	23.98		5.00		30	Pass

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

 # 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 :	Rebecca Li and Hank Hsu	Temperature :	21~25℃
		Relative Humidity :	51~54%

FCC Band I single antenna

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	4.14	3.32		11.00	11.00	5.00	5.00	Pass
11a	6Mbps	1	44	5220	2.57	3.39		11.00	11.00	5.00	5.00	Pass
11a	6Mbps	1	48	5240	2.71	2.92		11.00	11.00	5.00	5.00	Pass

FCC Band I MIMO

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT80	MCS0	2	42	5210	-	-	-7.70	8.99		8.01		Pass

Band II single antenna

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	2.97	2.49		11.00	11.00	5.00	5.00	Pass
11a	6Mbps	1	60	5300	3.03	3.00		11.00	11.00	5.00	5.00	Pass
11a	6Mbps	1	64	5320	3.28	3.20		11.00	11.00	5.00	5.00	Pass

Band II MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT80	MCS0	2	58	5290	-	-	-7.44	8.99		8.01		Pass

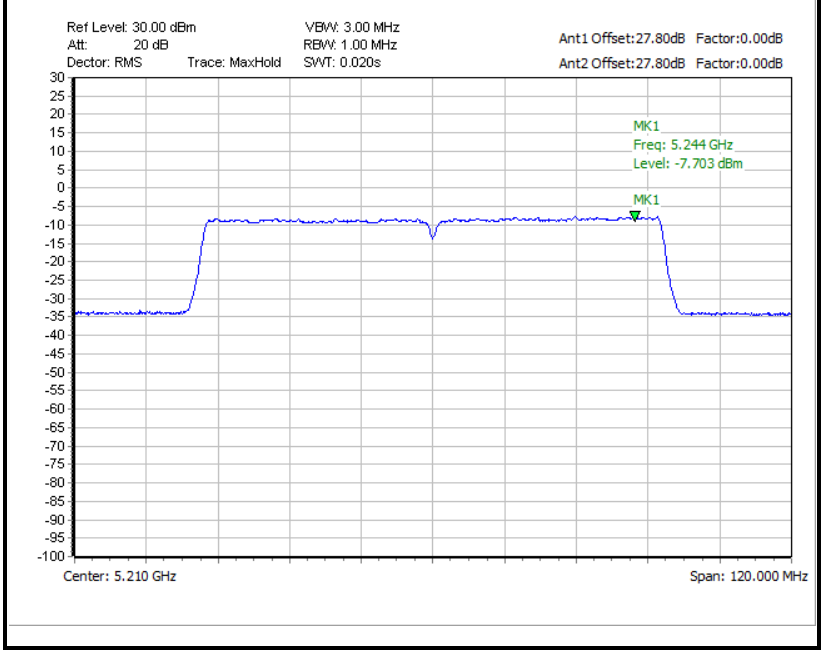
Band III single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	1.40	1.34		11.00	11.00	5.00	5.00	Pass
11a	6Mbps	1	116	5580	3.10	3.35		11.00	11.00	5.00	5.00	Pass
11a	6Mbps	1	140	5700	2.82	3.01		11.00	11.00	5.00	5.00	Pass

Band III MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT80	MCS0	2	106	5530	-	-	-7.56	8.99		8.01		Pass
VHT80	MCS0	2	122	5610	-	-	-7.36	8.99		8.01		Pass

Band III straddle channel single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	144	5720	3.52	3.47		11.00	11.00	5.00	5.00	Pass

Band III straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
VHT80	MCS0	2	138	5690	-	-	-7.02	8.99		8.01		Pass

Worst Case Power Density (dBm/MHz)



<For 802.11ax Mode>

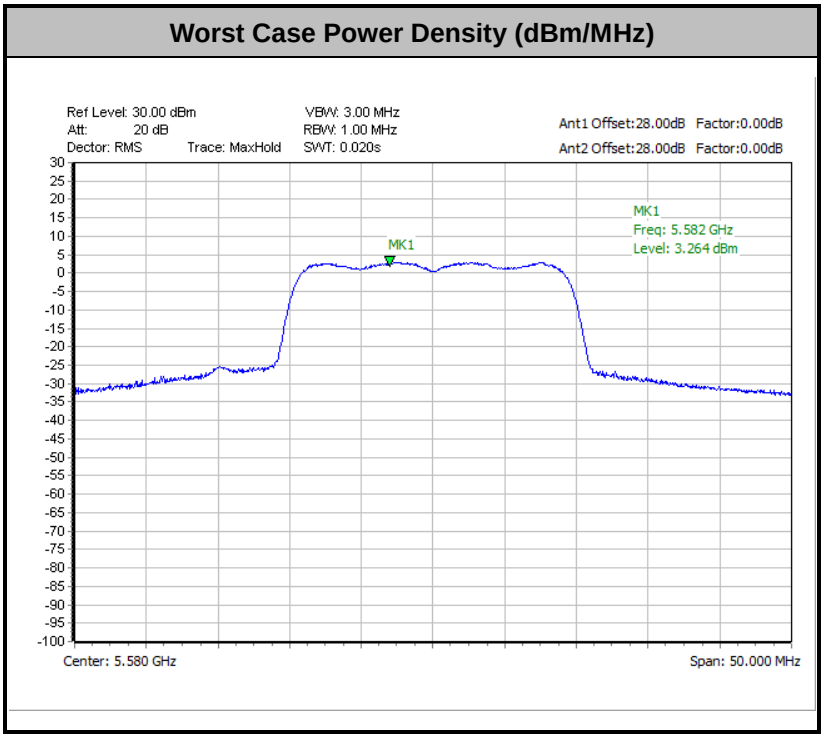
FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	36	5180	Full			2.07	8.99		8.01		Pass
HE20	MCS0	2	44	5220	Full			2.12	8.99		8.01		Pass
HE20	MCS0	2	48	5240	Full			2.18	8.99		8.01		Pass
HE40	MCS0	2	38	5190	Full			-2.55	8.99		8.01		Pass
HE40	MCS0	2	46	5230	Full			-1.21	8.99		8.01		Pass

Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full			2.39	8.99		8.01		Pass
HE20	MCS0	2	60	5300	Full			2.80	8.99		8.01		Pass
HE20	MCS0	2	64	5320	Full			2.50	8.99		8.01		Pass
HE40	MCS0	2	54	5270	Full			-1.34	8.99		8.01		Pass
HE40	MCS0	2	62	5310	Full			-2.78	8.99		8.01		Pass

Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	100	5500	Full			2.90	8.99		8.01		Pass
HE20	MCS0	2	116	5580	Full			3.26	8.99		8.01		Pass
HE20	MCS0	2	140	5700	Full			2.61	8.99		8.01		Pass
HE40	MCS0	2	102	5510	Full			-1.37	8.99		8.01		Pass
HE40	MCS0	2	110	5550	Full			-0.95	8.99		8.01		Pass
HE40	MCS0	2	134	5670	Full			-1.06	8.99		8.01		Pass

Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	144	5720	Full			2.56	8.99		8.01		Pass
HE40	MCS0	2	142	5710	Full			-0.70	8.99		8.01		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) Sections 15.407(b)(1-3) specifies the unwanted emissions limit 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.
(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

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 1000 MHz

- 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

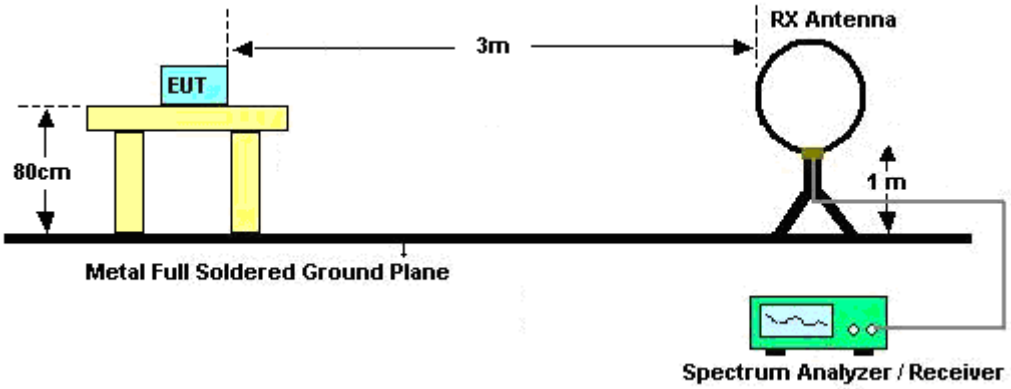
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

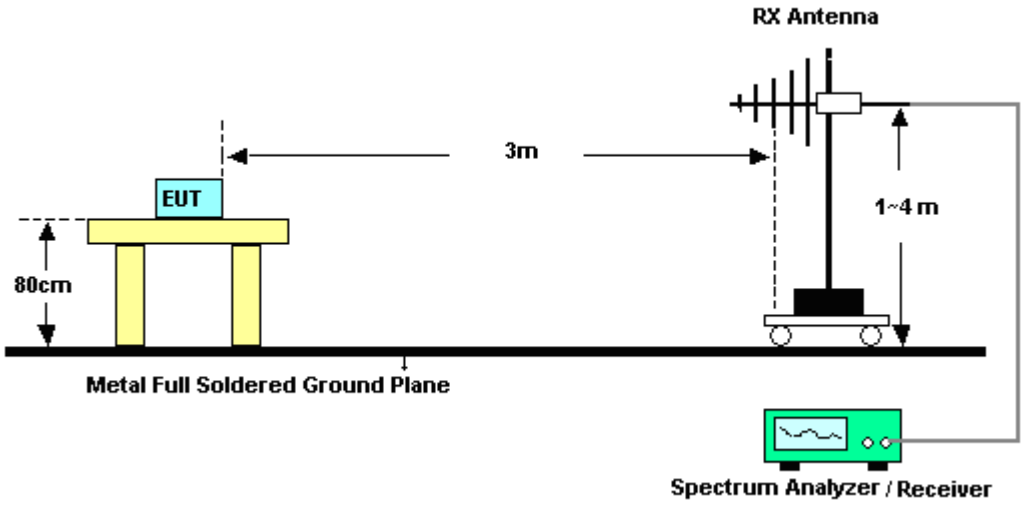
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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 1 GHz, 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 1 GHz, the emission level of the EUT in peak mode was 20 dB 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

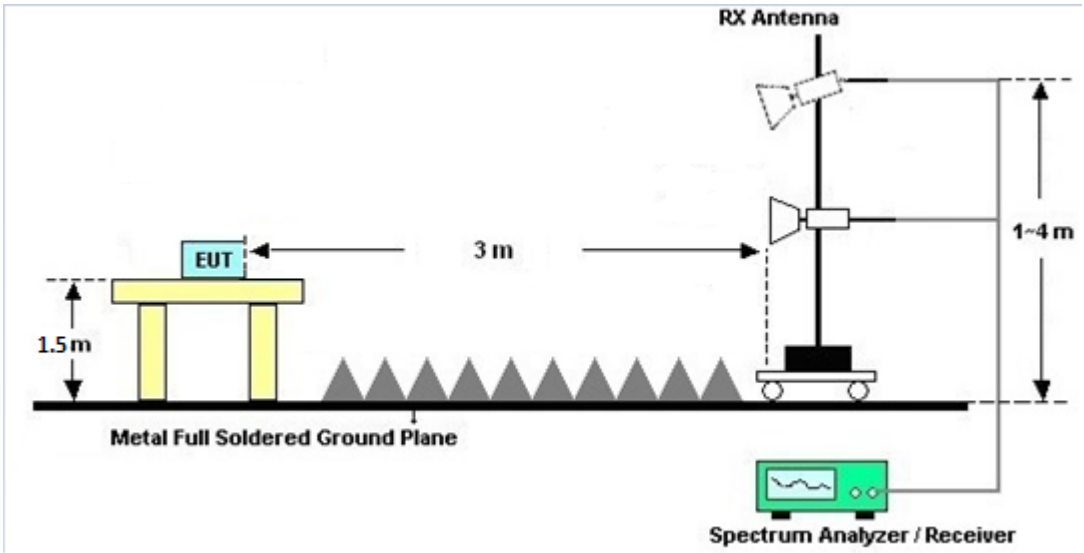
For radiated emissions below 30MHz



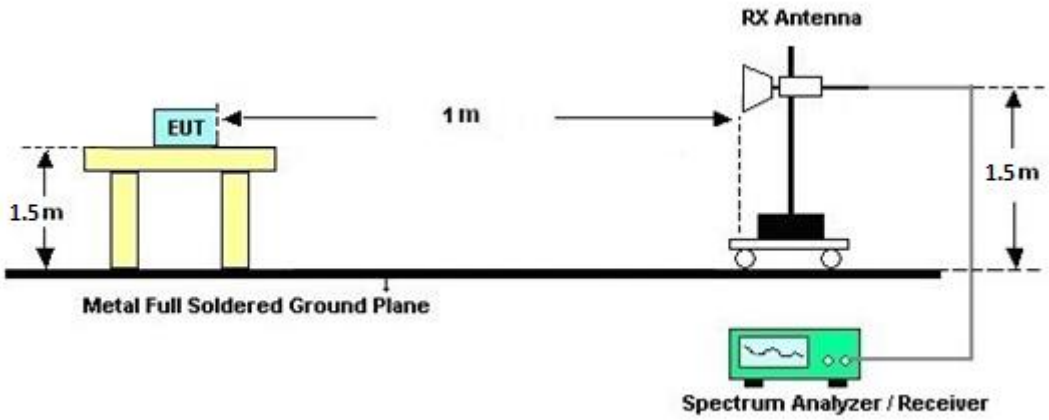
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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.

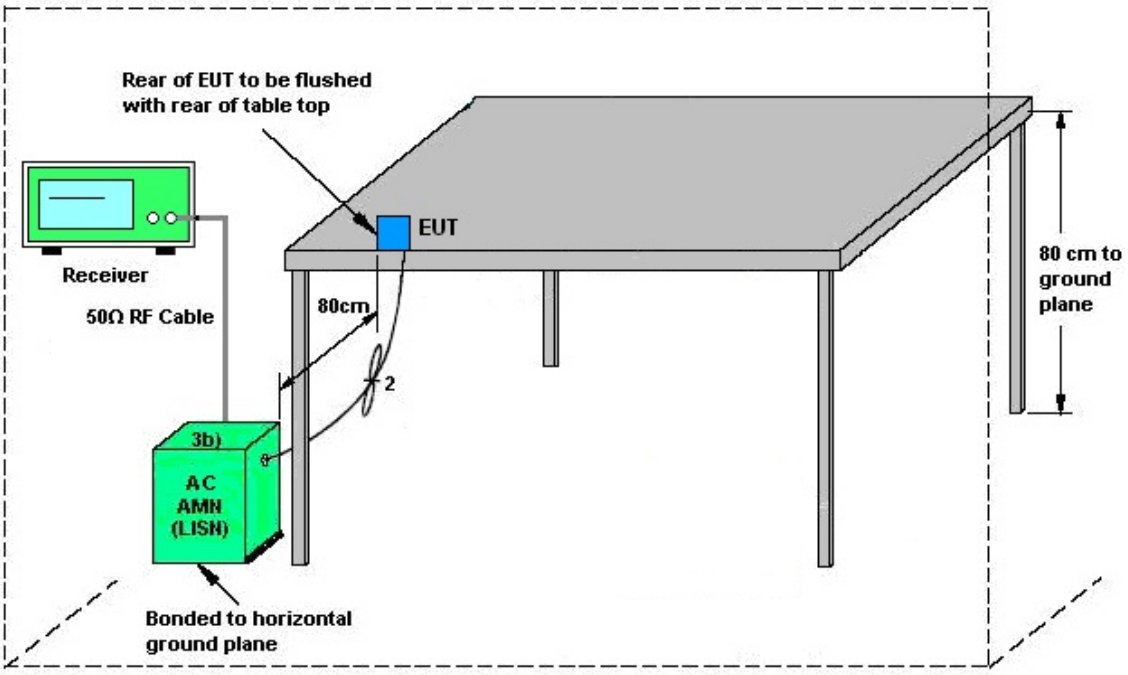
3.5.2 Measuring Instruments

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 shall 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 B.

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	5.00	5.00	5.00	8.01	0.00	2.01
Band II	5.00	5.00	5.00	8.01	0.00	2.01
Band III	5.00	5.00	5.00	8.01	0.00	2.01

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

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

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2021	Mar. 19, 2021~ Apr. 12, 2021	Mar. 01, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 09, 2020	Mar. 19, 2021~ Apr. 12, 2021	Dec. 08, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Mar. 19, 2021~ Apr. 12, 2021	Jul. 21, 2021	Conducted (TH05-HY)
Switch Control Manframe	EM Electronics	EMSW18	SW1070903	N/A	Aug. 16, 2020	Mar. 19, 2021~ Apr. 12, 2021	Aug. 15, 2021	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Apr. 27, 2021	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Apr. 27, 2021	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 02, 2020	Apr. 27, 2021	Nov. 01, 2021	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	N/A	Apr. 27, 2021	N/A	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 01, 2021	Apr. 27, 2021	Jan. 31, 2022	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Apr. 27, 2021	Sep. 10, 2021	Conduction (CO07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Mar. 25, 2021~ Apr. 27, 2021	Jul. 13, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 08, 2021	Mar. 25, 2021~ Apr. 27, 2021	Feb. 07, 2022	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 28, 2020	Mar. 25, 2021~ Apr. 27, 2021	Dec. 27, 2021	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Nov. 03, 2020	Mar. 25, 2021~ Apr. 27, 2021	Nov. 02, 2021	Radiation (03CH15-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Dec. 02, 2020	Mar. 25, 2021~ Apr. 27, 2021	Dec. 01, 2021	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 07, 2020	Mar. 25, 2021~ Apr. 27, 2021	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 21, 2020	Mar. 25, 2021~ Apr. 27, 2021	Aug. 20, 2021	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Oct. 27, 2020	Mar. 25, 2021~ Apr. 27, 2021	Oct. 26, 2021	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Nov. 02, 2020	Mar. 25, 2021~ Apr. 27, 2021	Nov. 01, 2021	Radiation (03CH15-HY
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 04, 2020	Mar. 25, 2021~ Apr. 27, 2021	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 25, 2021~ Apr. 27, 2021	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 25, 2021~ Apr. 27, 2021	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Mar. 25, 2021~ Apr. 27, 2021	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE,508405/2E	30MHz~18G	Nov. 16, 2020	Mar. 25, 2021~ Apr. 27, 2021	Nov. 15, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 22, 2021	Mar. 25, 2021~ Apr. 27, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 22, 2021	Mar. 25, 2021~ Apr. 27, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Mar. 25, 2021~ Apr. 27, 2021	Mar. 10, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jul. 01, 2020	Mar. 25, 2021~ Apr. 27, 2021	Jun. 30, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-1530-6000-40ST	SN4	1.53GHz Low Pass Filter	Jul. 03, 2020	Mar. 25, 2021~ Apr. 27, 2021	Jul. 02, 2021	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))	**2.2**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.3**

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

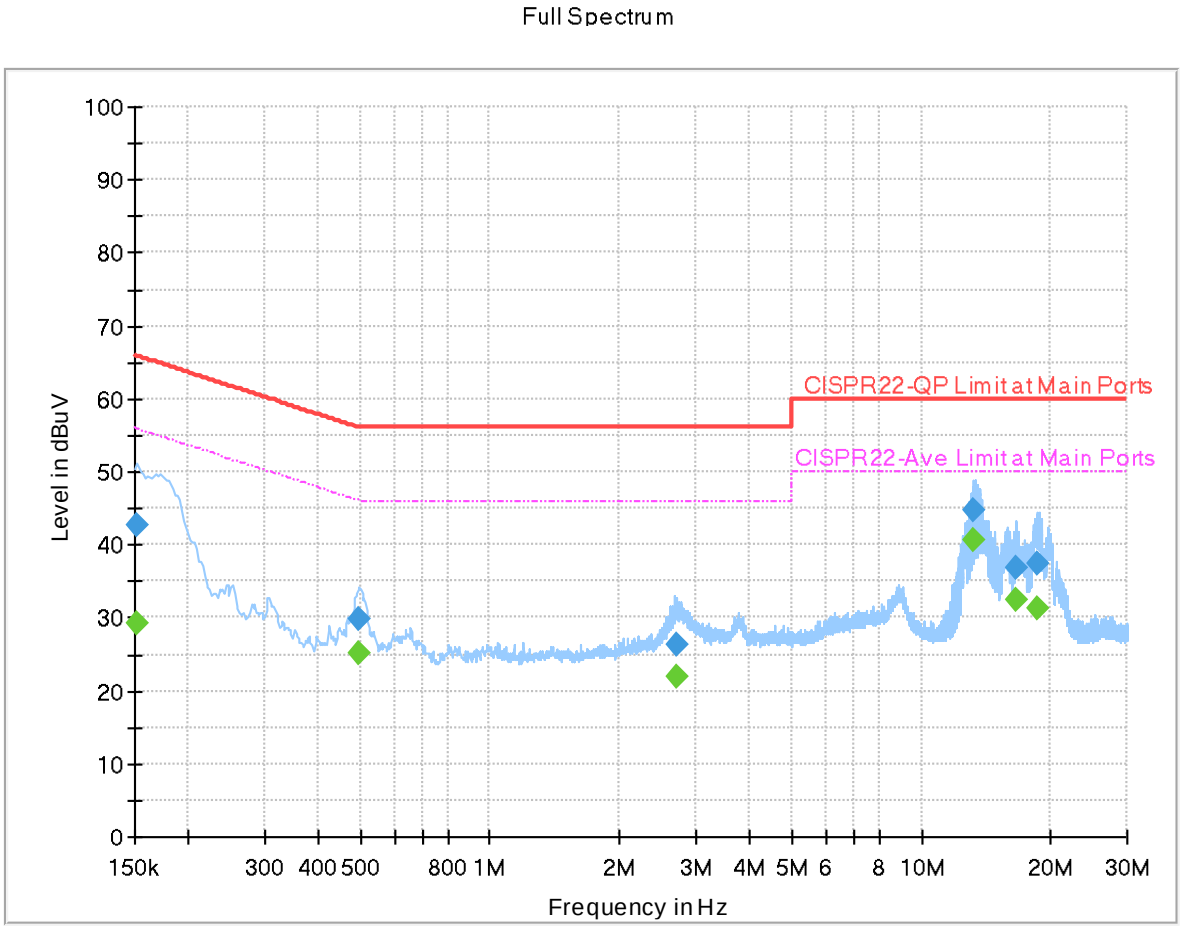
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.9**

Appendix A. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~26℃
		Relative Humidity :	40~50%

EUT Information

Report NO :	0D2423
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

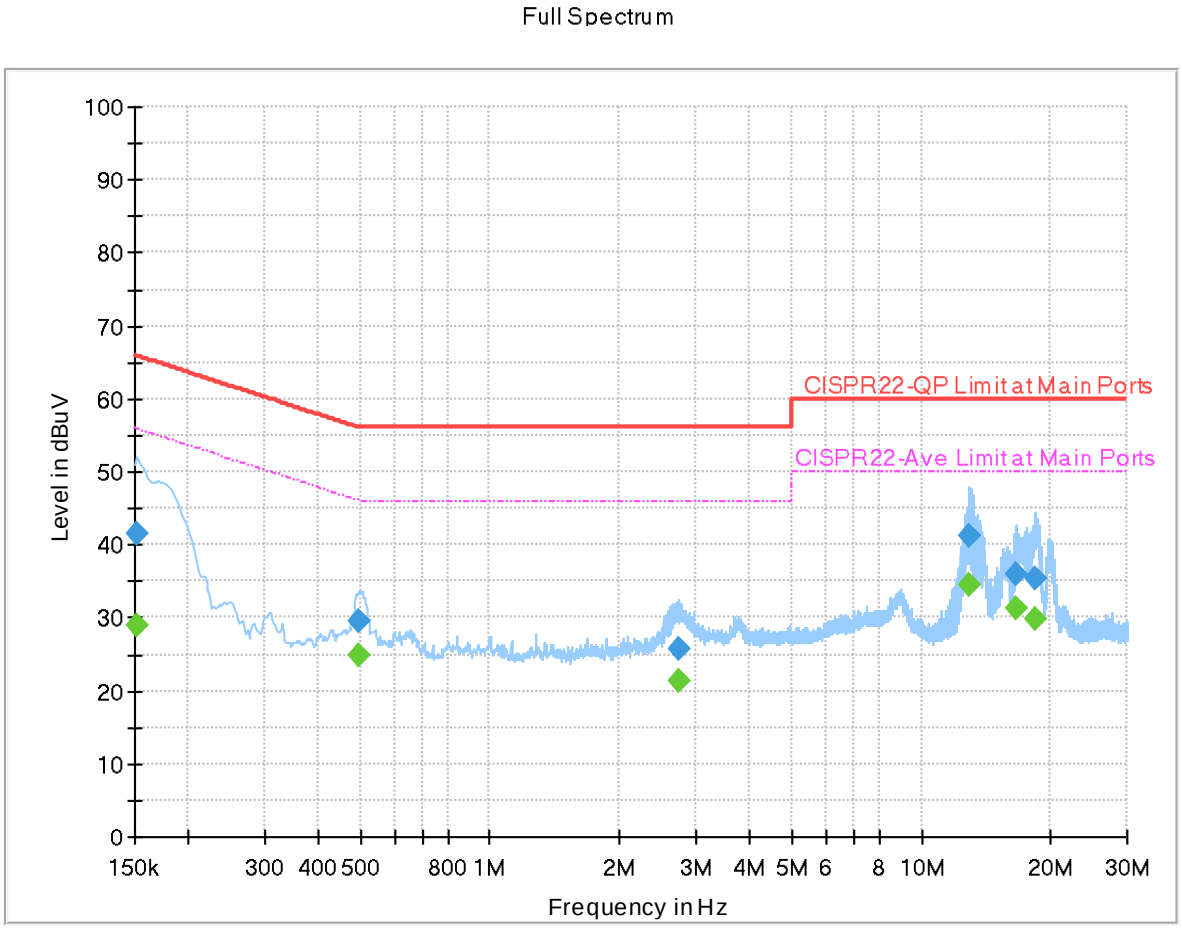


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	29.18	55.88	26.70	L1	OFF	20.0
0.152250	42.59	---	65.88	23.29	L1	OFF	20.0
0.498750	---	25.09	46.02	20.93	L1	OFF	20.0
0.498750	29.86	---	56.02	26.16	L1	OFF	20.0
2.717250	---	21.83	46.00	24.17	L1	OFF	20.1
2.717250	26.41	---	56.00	29.59	L1	OFF	20.1
13.240500	---	40.64	50.00	9.36	L1	OFF	20.2
13.240500	44.66	---	60.00	15.34	L1	OFF	20.2
16.599750	---	32.37	50.00	17.63	L1	OFF	20.2
16.599750	36.87	---	60.00	23.13	L1	OFF	20.2
18.550500	---	31.27	50.00	18.73	L1	OFF	20.2
18.550500	37.40	---	60.00	22.60	L1	OFF	20.2

EUT Information

Report NO :	0D2423
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.88	55.88	27.00	N	OFF	20.0
0.152250	41.52	---	65.88	24.36	N	OFF	20.0
0.498750	---	24.90	46.02	21.12	N	OFF	20.0
0.498750	29.58	---	56.02	26.44	N	OFF	20.0
2.733000	---	21.39	46.00	24.61	N	OFF	20.1
2.733000	25.60	---	56.00	30.40	N	OFF	20.1
12.943500	---	34.63	50.00	15.37	N	OFF	20.2
12.943500	41.21	---	60.00	18.79	N	OFF	20.2
16.597500	---	31.37	50.00	18.63	N	OFF	20.2
16.597500	36.01	---	60.00	23.99	N	OFF	20.2
18.480750	---	29.81	50.00	20.19	N	OFF	20.3
18.480750	35.32	---	60.00	24.68	N	OFF	20.3

Appendix B. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.5~23.0°C
		Relative Humidity :	47.0~52.0%

<RD2458-5>

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		5136.5	50.8	-23.2	74	39.03	31.8	9.98	30.01	267	42	P	H
		5150	41.38	-12.62	54	29.59	31.8	10	30.01	267	42	A	H
	*	5180	97.96	-	-	86.32	31.62	10.03	30.01	267	42	P	H
	*	5180	90.3	-	-	78.66	31.62	10.03	30.01	267	42	A	H
													H
													H
		5149.24	57.37	-16.63	74	45.58	31.8	10	30.01	230	351	P	V
		5150	46.4	-7.6	54	34.61	31.8	10	30.01	230	351	A	V
	*	5180	108.67	-	-	97.03	31.62	10.03	30.01	230	351	P	V
	*	5180	101.12	-	-	89.48	31.62	10.03	30.01	230	351	A	V
													V
													V
802.11a CH 44 5220MHz		5126.62	51.22	-22.78	74	39.46	31.8	9.97	30.01	239	251	P	H
		5131.04	40.54	-13.46	54	28.77	31.8	9.98	30.01	239	251	A	H
	*	5220	97.19	-	-	85.75	31.38	10.07	30.01	239	251	P	H
	*	5220	89.11	-	-	77.67	31.38	10.07	30.01	239	251	A	H
		5373.76	50.77	-23.23	74	39.34	31.24	10.19	30	239	251	P	H
		5454.4	40.42	-13.58	54	28.55	31.6	10.26	29.99	239	251	A	H
		5124.28	51.56	-22.44	74	39.8	31.8	9.97	30.01	218	21	P	V
		5143.26	41.67	-12.33	54	29.89	31.8	9.99	30.01	218	21	A	V
	*	5220	109.43	-	-	97.99	31.38	10.07	30.01	218	21	P	V
	*	5220	102.02	-	-	90.58	31.38	10.07	30.01	218	21	A	V
		5435.64	50.66	-23.34	74	38.87	31.54	10.24	29.99	218	21	P	V
		5425.56	41.3	-12.7	54	29.56	31.5	10.23	29.99	218	21	A	V

802.11a CH 48 5240MHz		5140.66	50.54	-23.46	74	38.76	31.8	9.99	30.01	310	115	P	H
		5105.56	40.34	-13.66	54	28.6	31.8	9.95	30.01	310	115	A	H
	*	5240	96.6	-	-	85.27	31.26	10.08	30.01	310	115	P	H
	*	5240	89.13	-	-	77.8	31.26	10.08	30.01	310	115	A	H
		5451.88	49.47	-24.53	74	37.61	31.6	10.25	29.99	310	115	P	H
		5453.84	40.18	-13.82	54	28.31	31.6	10.26	29.99	310	115	A	H
		5099.84	51.02	-22.98	74	39.29	31.8	9.94	30.01	268	18	P	V
		5119.86	41.09	-12.91	54	29.33	31.8	9.97	30.01	268	18	A	V
	*	5240	109.78	-	-	98.45	31.26	10.08	30.01	268	18	P	V
	*	5240	102.12	-	-	90.79	31.26	10.08	30.01	268	18	A	V
		5412.12	50.37	-23.63	74	38.7	31.45	10.22	30	268	18	P	V
		5458.88	40.95	-13.05	54	29.08	31.6	10.26	29.99	268	18	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	48.47	-19.73	68.2	55.47	39.44	14.46	60.9	100	0	P	H
		15540	48.09	-25.91	74	55.69	37.82	17.29	62.71	100	0	P	H
													H
													H
		10360	48.67	-19.53	68.2	55.67	39.44	14.46	60.9	100	0	P	V
		15540	48.12	-25.88	74	55.72	37.82	17.29	62.71	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	48.25	-19.95	68.2	55.13	39.64	14.5	61.02	100	0	P	H
		15660	46.8	-27.2	74	54.05	37.52	17.36	62.13	100	0	P	H
													H
													H
		10440	48.61	-19.59	68.2	55.49	39.64	14.5	61.02	100	0	P	V
		15660	47.33	-26.67	74	54.58	37.52	17.36	62.13	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	47.68	-20.52	68.2	54.55	39.68	14.52	61.07	100	0	P	H
		15720	46.7	-27.3	74	53.8	37.34	17.4	61.84	100	0	P	H
													H
													H
		10480	47.61	-20.59	68.2	54.48	39.68	14.52	61.07	100	0	P	V
		15720	46.73	-27.27	74	53.83	37.34	17.4	61.84	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5035.7	50.4	-23.6	74	38.95	31.59	9.88	30.02	295	115	P	H
		5104.38	40.61	-13.39	54	28.87	31.8	9.95	30.01	295	115	A	H
	*	5260	97.53	-	-	86.23	31.2	10.1	30	295	115	P	H
	*	5260	89.77	-	-	78.47	31.2	10.1	30	295	115	A	H
		5425.2	50.28	-23.72	74	38.54	31.5	10.23	29.99	295	115	P	H
		5454.96	40.65	-13.35	54	28.78	31.6	10.26	29.99	295	115	A	H
		5111.86	51.07	-22.93	74	39.32	31.8	9.96	30.01	205	22	P	V
		5120.02	41.14	-12.86	54	29.38	31.8	9.97	30.01	205	22	A	V
	*	5260	110.64	-	-	99.34	31.2	10.1	30	205	22	P	V
	*	5260	102.44	-	-	91.14	31.2	10.1	30	205	22	A	V
		5440.56	51.43	-22.57	74	39.62	31.56	10.24	29.99	205	22	P	V
		5421.84	41.16	-12.84	54	29.43	31.49	10.23	29.99	205	22	A	V
802.11a CH 60 5300MHz		5090.44	50.51	-23.49	74	38.81	31.78	9.93	30.01	100	247	P	H
		5131.92	40.63	-13.37	54	28.86	31.8	9.98	30.01	100	247	A	H
	*	5300	98.32	-	-	86.99	31.2	10.13	30	100	247	P	H
	*	5300	90.87	-	-	79.54	31.2	10.13	30	100	247	A	H
		5422.32	50.97	-23.03	74	39.24	31.49	10.23	29.99	100	247	P	H
		5453.52	40.66	-13.34	54	28.79	31.6	10.26	29.99	100	247	A	H
		5082.62	52.24	-21.76	74	40.56	31.77	9.93	30.02	219	22	P	V
		5120.02	41.17	-12.83	54	29.41	31.8	9.97	30.01	219	22	A	V
	*	5300	110.94	-	-	99.61	31.2	10.13	30	219	22	P	V
	*	5300	103.5	-	-	92.17	31.2	10.13	30	219	22	A	V
		5356.32	53.59	-20.41	74	42.27	31.14	10.18	30	219	22	P	V
		5350.08	43.14	-10.86	54	31.87	31.1	10.17	30	219	22	A	V

	*	5320	97.6	-	-	86.29	31.16	10.15	30	253	43	P	H
	*	5320	90.1	-	-	78.79	31.16	10.15	30	253	43	A	H
		5428.32	51.21	-22.79	74	39.46	31.51	10.23	29.99	253	43	P	H
		5350.08	40.8	-13.2	54	29.53	31.1	10.17	30	253	43	A	H
													H
802.11a													H
CH 64	*	5320	109.32	-	-	98.01	31.16	10.15	30	219	351	P	V
5320MHz	*	5320	101.44	-	-	90.13	31.16	10.15	30	219	351	A	V
		5351.36	59.37	-14.63	74	48.09	31.11	10.17	30	219	351	P	V
		5350.08	46.26	-7.74	54	34.99	31.1	10.17	30	219	351	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	47.53	-20.67	68.2	54.39	39.7	14.54	61.1	100	0	P	H
		15780	47.56	-26.44	74	54.52	37.16	17.44	61.56	100	0	P	H
													H
													H
		10520	47.96	-20.24	68.2	54.82	39.7	14.54	61.1	100	0	P	V
		15780	46.87	-27.13	74	53.83	37.16	17.44	61.56	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	48.55	-25.45	74	55.37	39.7	14.58	61.1	100	0	P	H
		15900	46.88	-27.12	74	53.16	37.2	17.5	60.98	100	0	P	H
													H
													H
		10600	49.28	-24.72	74	56.1	39.7	14.58	61.1	100	0	P	V
		15900	46.79	-27.21	74	53.07	37.2	17.5	60.98	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	49.38	-24.62	74	56.1	39.78	14.6	61.1	100	0	P	H
		15960	47.97	-26.03	74	53.86	37.26	17.54	60.69	100	0	P	H
													H
													H
		10640	49.86	-24.14	74	56.58	39.78	14.6	61.1	100	0	P	V
		15960	48.61	-25.39	74	54.5	37.26	17.54	60.69	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5448.56	51.73	-22.27	74	39.88	31.59	10.25	29.99	252	77	P	H
		5467.28	51.36	-16.84	68.2	39.48	31.6	10.27	29.99	252	77	P	H
		5455.76	40.83	-13.17	54	28.96	31.6	10.26	29.99	252	77	A	H
	*	5500	94.56	-	-	82.65	31.6	10.3	29.99	252	77	P	H
	*	5500	86.73	-	-	74.82	31.6	10.3	29.99	252	77	A	H
													H
		5456.24	57.42	-16.58	74	45.55	31.6	10.26	29.99	218	358	P	V
		5470	62.79	-5.41	68.2	50.91	31.6	10.27	29.99	218	358	P	V
		5460	42.99	-11.01	54	31.12	31.6	10.26	29.99	218	358	A	V
	*	5500	107.53	-	-	95.62	31.6	10.3	29.99	218	358	P	V
	*	5500	99.97	-	-	88.06	31.6	10.3	29.99	218	358	A	V
													V
802.11a CH 116 5580MHz		5440	50.97	-23.03	74	39.16	31.56	10.24	29.99	254	199	P	H
		5467.84	50.66	-17.54	68.2	38.78	31.6	10.27	29.99	254	199	P	H
		5456.08	40.36	-13.64	54	28.49	31.6	10.26	29.99	254	199	A	H
	*	5580	96.44	-	-	84.57	31.56	10.36	30.05	254	199	P	H
	*	5580	88.94	-	-	77.07	31.56	10.36	30.05	254	199	A	H
		5732.555	50.92	-17.28	68.2	38.78	31.77	10.53	30.16	254	199	P	H
		5446.24	50.89	-23.11	74	39.05	31.58	10.25	29.99	200	357	P	V
		5461.12	51	-17.2	68.2	39.13	31.6	10.26	29.99	200	357	P	V
		5459.44	40.59	-13.41	54	28.72	31.6	10.26	29.99	200	357	A	V
	*	5580	107.58	-	-	95.71	31.56	10.36	30.05	200	357	P	V
	*	5580	99.38	-	-	87.51	31.56	10.36	30.05	200	357	A	V
		5754.29	51.29	-16.91	68.2	39.11	31.8	10.55	30.17	200	357	P	V

802.11a CH 140 5700MHz	*	5700	93.64	-	-	81.58	31.7	10.49	30.13	264	54	P	H
	*	5700	85.93	-	-	73.87	31.7	10.49	30.13	264	54	A	H
		5726.76	53.31	-14.89	68.2	41.19	31.75	10.52	30.15	264	54	P	H
													H
													H
													H
	*	5700	104.21	-	-	92.15	31.7	10.49	30.13	222	352	P	V
	*	5700	96.47	-	-	84.41	31.7	10.49	30.13	222	352	A	V
		5726.68	60.51	-7.69	68.2	48.39	31.75	10.52	30.15	222	352	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	49.9	-24.1	74	55.81	40.4	14.79	61.1	100	0	P	H
		16500	48.94	-19.26	68.2	51.5	38.9	17.94	59.4	100	0	P	H
													H
													H
		11000	49.85	-24.15	74	55.76	40.4	14.79	61.1	100	0	P	V
		16500	48.86	-19.34	68.2	51.42	38.9	17.94	59.4	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.84	-25.16	74	55.05	39.96	14.87	61.04	100	0	P	H
		16740	51.2	-17	68.2	52.4	39.94	18.12	59.26	100	0	P	H
													H
													H
		11160	49.42	-24.58	74	55.63	39.96	14.87	61.04	100	0	P	V
		16740	50.72	-17.48	68.2	51.92	39.94	18.12	59.26	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	49.05	-24.95	74	55	40	14.99	60.94	100	0	P	H
		17100	51.34	-16.86	68.2	51.34	40.6	18.38	58.98	100	0	P	H
													H
													H
		11400	48.91	-25.09	74	54.86	40	14.99	60.94	100	0	P	V
		17100	51.19	-17.01	68.2	51.19	40.6	18.38	58.98	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

Band 3 - Straddle Channel

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 144 5720MHz		5449.84	50.79	-23.21	74	38.93	31.6	10.25	29.99	259	56	P	H
		5463.49	50.64	-17.56	68.2	38.77	31.6	10.26	29.99	259	56	P	H
		5455.3	40.66	-13.34	54	28.79	31.6	10.26	29.99	259	56	A	H
	*	5720	95.29	-	-	83.19	31.74	10.51	30.15	259	56	P	H
	*	5720	87.02	-	-	74.92	31.74	10.51	30.15	259	56	A	H
		5934.25	52.41	-15.79	68.2	39.85	32.17	10.69	30.3	259	56	P	H
		5435.02	51.88	-22.12	74	40.09	31.54	10.24	29.99	215	358	P	V
		5468.56	52.78	-15.42	68.2	40.9	31.6	10.27	29.99	215	358	P	V
		5456.86	40.98	-13.02	54	29.11	31.6	10.26	29.99	215	358	A	V
	*	5720	104.93	-	-	92.83	31.74	10.51	30.15	215	358	P	V
	*	5720	97	-	-	84.9	31.74	10.51	30.15	215	358	A	V
		5947.75	53.02	-15.18	68.2	40.43	32.2	10.7	30.31	215	358	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	48.37	-25.63	74	54.24	40.04	15.01	60.92	100	0	P	H
		17160	52.3	-15.9	68.2	52.06	40.72	18.43	58.91	100	0	P	H
													H
													H
		11440	49.14	-24.86	74	55.01	40.04	15.01	60.92	100	0	P	V
		17160	51.16	-17.04	68.2	50.92	40.72	18.43	58.91	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 - Straddle Channel

Emission below 1GHz

WIFI 802.11a (LF @ 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 LF		30	22.15	-17.85	40	29.38	24.59	0.67	32.49	-	-	P	H
		90.14	25.64	-17.86	43.5	42.19	14.61	1.34	32.5	-	-	P	H
		267.65	38.21	-7.79	46	48.82	19.5	2.32	32.43	100	50	Q	H
		329.73	36.63	-9.37	46	46.89	19.76	2.5	32.52	-	-	P	H
		491.72	32.19	-13.81	46	37.85	23.84	3.05	32.55	-	-	P	H
		898.15	37.92	-8.08	46	36.51	28.89	4.16	31.64	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.97	22.44	-17.56	40	30.05	24.21	0.68	32.5	-	-	P	V
		134.76	24.9	-18.6	43.5	38.27	17.48	1.66	32.51	-	-	P	V
		204.6	26.96	-16.54	43.5	42.18	15.15	2.07	32.44	-	-	P	V
		262.8	39.26	-6.74	46	49.43	19.94	2.31	32.42	100	0	P	V
		736.16	34.51	-11.49	46	35.65	27.62	3.69	32.45	-	-	P	V
		890.39	39.35	-6.65	46	38.06	28.83	4.14	31.68	-	-	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 802.11ac VHT80 (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)
		5141.7	51.4	-22.6	74	39.62	31.8	9.99	30.01	100	234	P	H
		5035.36	44.46	-9.54	54	33.02	31.58	9.88	30.02	100	234	A	H
	*	5210	88.45	-	-	76.96	31.44	10.06	30.01	100	234	P	H
	*	5210	80.7	-	-	69.21	31.44	10.06	30.01	100	234	A	H
802.11ac		5408.2	51.13	-22.87	74	39.48	31.43	10.22	30	100	234	P	H
VHT80		5408.2	44.52	-9.48	54	32.87	31.43	10.22	30	100	234	A	H
CH 42		5146.12	55.48	-18.52	74	43.7	31.8	9.99	30.01	218	22	P	V
5210MHz		5146.38	48.7	-5.3	54	36.92	31.8	9.99	30.01	218	22	A	V
	*	5210	99.4	-	-	87.91	31.44	10.06	30.01	218	22	P	V
	*	5210	93.09	-	-	81.6	31.44	10.06	30.01	218	22	A	V
		5433.68	52.16	-21.84	74	40.38	31.53	10.24	29.99	218	22	P	V
		5370.68	44.62	-9.38	54	33.21	31.22	10.19	30	218	22	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	47.85	-20.35	68.2	54.73	39.62	14.49	60.99	100	0	P	H
		15630	47.59	-26.41	74	54.92	37.61	17.34	62.28	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	49.54	-18.66	68.2	56.42	39.62	14.49	60.99	100	0	P	V
5210MHz		15630	47.23	-26.77	74	54.56	37.61	17.34	62.28	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 802.11ax HE20 Full (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)
		5148.72	51	-23	74	39.21	31.8	10	30.01	100	234	P	H
		5142.22	42.6	-11.4	54	30.82	31.8	9.99	30.01	100	234	A	H
	*	5180	95.68	-	-	84.04	31.62	10.03	30.01	100	234	P	H
	*	5180	87.46	-	-	75.82	31.62	10.03	30.01	100	234	A	H
802.11ax													H
HE20 Full													H
CH 36		5147.42	55.82	-18.18	74	44.04	31.8	9.99	30.01	218	19	P	V
5180MHz		5148.46	46.31	-7.69	54	34.52	31.8	10	30.01	218	19	A	V
	*	5180	111.37	-	-	99.73	31.62	10.03	30.01	218	19	P	V
	*	5180	101.68	-	-	90.04	31.62	10.03	30.01	218	19	A	V
													V
													V
		5082.42	51.63	-22.37	74	39.96	31.76	9.93	30.02	390	144	P	H
		5084.5	42.18	-11.82	54	30.49	31.77	9.93	30.01	390	144	A	H
	*	5220	95.41	-	-	83.97	31.38	10.07	30.01	390	144	P	H
	*	5220	85.5	-	-	74.06	31.38	10.07	30.01	390	144	A	H
802.11ax		5443.2	50.39	-23.61	74	38.56	31.57	10.25	29.99	390	144	P	H
HE20 Full		5455.24	42.32	-11.68	54	30.45	31.6	10.26	29.99	390	144	A	H
CH 44		5017.42	51.79	-22.21	74	40.51	31.44	9.86	30.02	200	1	P	V
5220MHz		5111.02	42.98	-11.02	54	31.23	31.8	9.96	30.01	200	1	A	V
	*	5220	107.69	-	-	96.25	31.38	10.07	30.01	200	1	P	V
	*	5220	97.61	-	-	86.17	31.38	10.07	30.01	200	1	A	V
		5452.44	50.42	-23.58	74	38.56	31.6	10.25	29.99	200	1	P	V
		5449.92	42.36	-11.64	54	30.5	31.6	10.25	29.99	200	1	A	V

		5114.66	50.1	-23.9	74	38.35	31.8	9.96	30.01	383	145	P	H
		5069.94	42.22	-11.78	54	30.59	31.74	9.91	30.02	383	145	A	H
	*	5240	95.6	-	-	84.27	31.26	10.08	30.01	383	145	P	H
	*	5240	85.59	-	-	74.26	31.26	10.08	30.01	383	145	A	H
802.11ax		5422.2	49.99	-24.01	74	38.26	31.49	10.23	29.99	383	145	P	H
HE20 Full		5447.96	42.06	-11.94	54	30.21	31.59	10.25	29.99	383	145	A	H
CH 48		5093.34	51.06	-22.94	74	39.34	31.79	9.94	30.01	200	2	P	V
5240MHz		5139.1	42.6	-11.4	54	30.82	31.8	9.99	30.01	200	2	A	V
	*	5240	106.94	-	-	95.61	31.26	10.08	30.01	200	2	P	V
	*	5240	96.84	-	-	85.51	31.26	10.08	30.01	200	2	A	V
		5456.08	50.42	-23.58	74	38.55	31.6	10.26	29.99	200	2	P	V
		5415.48	42.27	-11.73	54	30.59	31.46	10.22	30	200	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 802.11ax HE20 Full (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	49.27	-18.93	68.2	56.27	39.44	14.46	60.9	100	0	P	H
		15540	47.8	-26.2	74	55.4	37.82	17.29	62.71	100	0	P	H
802.11ax													H
HE20 Full													H
CH 36		10360	48.75	-19.45	68.2	55.75	39.44	14.46	60.9	100	0	P	V
5180MHz		15540	48.25	-25.75	74	55.85	37.82	17.29	62.71	100	0	P	V
													V
													V
		10440	47.81	-20.39	68.2	54.69	39.64	14.5	61.02	100	0	P	H
		15660	47.09	-26.91	74	54.34	37.52	17.36	62.13	100	0	P	H
802.11ax													H
HE20 Full													H
CH 44		10440	47.84	-20.36	68.2	54.72	39.64	14.5	61.02	100	0	P	V
5220MHz		15660	47.38	-26.62	74	54.63	37.52	17.36	62.13	100	0	P	V
													V
													V
		10480	48.03	-20.17	68.2	54.9	39.68	14.52	61.07	100	0	P	H
		15720	46.58	-27.42	74	53.68	37.34	17.4	61.84	100	0	P	H
802.11ax													H
HE20 Full													H
CH 48		10480	48.45	-19.75	68.2	55.32	39.68	14.52	61.07	100	0	P	V
5240MHz		15720	46.75	-27.25	74	53.85	37.34	17.4	61.84	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 802.11ax HE40 Full (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)
		5128.44	51.82	-22.18	74	40.06	31.8	9.97	30.01	100	248	P	H
		5119.86	44.26	-9.74	54	32.5	31.8	9.97	30.01	100	248	A	H
	*	5190	90.53	-	-	78.94	31.56	10.04	30.01	100	248	P	H
	*	5190	82.4	-	-	70.81	31.56	10.04	30.01	100	248	A	H
802.11ax		5394.2	51.22	-22.78	74	39.64	31.37	10.21	30	100	248	P	H
HE40 Full		5427.24	43.76	-10.24	54	32.01	31.51	10.23	29.99	100	248	A	H
CH 38		5149.76	63.41	-10.59	74	51.62	31.8	10	30.01	240	359	P	V
5190MHz		5150	52.15	-1.85	54	40.36	31.8	10	30.01	240	359	A	V
	*	5190	106.27	-	-	94.68	31.56	10.04	30.01	240	359	P	V
	*	5190	98.44	-	-	86.85	31.56	10.04	30.01	240	359	A	V
		5419.96	51.42	-22.58	74	39.7	31.48	10.23	29.99	240	359	P	V
		5384.4	44.23	-9.77	54	32.72	31.31	10.2	30	240	359	A	V
		5090.48	50.67	-23.33	74	38.96	31.78	9.94	30.01	251	35	P	H
		5059.54	44.13	-9.87	54	32.53	31.72	9.9	30.02	251	35	A	H
	*	5230	95.39	-	-	84.01	31.32	10.07	30.01	251	35	P	H
	*	5230	86.7	-	-	75.32	31.32	10.07	30.01	251	35	A	H
802.11ax		5456.64	50.58	-23.42	74	38.71	31.6	10.26	29.99	251	35	P	H
HE40 Full		5406.52	43.5	-10.5	54	31.85	31.43	10.22	30	251	35	A	H
CH 46		5122.46	51.52	-22.48	74	39.76	31.8	9.97	30.01	192	17	P	V
5230MHz		5136.76	44.74	-9.26	54	32.97	31.8	9.98	30.01	192	17	A	V
	*	5230	107.6	-	-	96.22	31.32	10.07	30.01	192	17	P	V
	*	5230	100.02	-	-	88.64	31.32	10.07	30.01	192	17	A	V
		5453.28	51.05	-22.95	74	39.18	31.6	10.26	29.99	192	17	P	V
		5449.36	44.21	-9.79	54	32.35	31.6	10.25	29.99	192	17	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	48.05	-20.15	68.2	54.99	39.52	14.47	60.93	100	0	P	H
		15570	48.67	-25.33	74	56.17	37.76	17.3	62.56	100	0	P	H
802.11ax													H
HE40 Full													H
CH 38		10380	47.8	-20.4	68.2	54.74	39.52	14.47	60.93	100	0	P	V
5190MHz		15570	47.61	-26.39	74	55.11	37.76	17.3	62.56	100	0	P	V
													V
													V
		10460	47.99	-20.21	68.2	54.86	39.66	14.51	61.04	100	0	P	H
		15690	47.42	-26.58	74	54.6	37.43	17.38	61.99	100	0	P	H
802.11ax													H
HE40 Full													H
CH 46		10460	48.5	-19.7	68.2	55.37	39.66	14.51	61.04	100	0	P	V
5230MHz		15690	46.64	-27.36	74	53.82	37.43	17.38	61.99	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)
		5139.4	51.4	-22.6	74	39.62	31.8	9.99	30.01	100	234	P	H
		5108.8	44.21	-9.79	54	32.47	31.8	9.95	30.01	100	234	A	H
	*	5290	87.18	-	-	75.86	31.2	10.12	30	100	234	P	H
	*	5290	80.15	-	-	68.83	31.2	10.12	30	100	234	A	H
802.11ac		5368.32	51.19	-22.81	74	39.8	31.21	10.18	30	100	234	P	H
VHT80		5435.28	44.25	-9.75	54	32.46	31.54	10.24	29.99	100	234	A	H
CH 58		5023.46	51.71	-22.29	74	40.38	31.49	9.86	30.02	200	17	P	V
5290MHz		5124.1	44.17	-9.83	54	32.41	31.8	9.97	30.01	200	17	A	V
	*	5290	101.72	-	-	90.4	31.2	10.12	30	200	17	P	V
	*	5290	94.05	-	-	82.73	31.2	10.12	30	200	17	A	V
		5354.88	56.69	-17.31	74	45.39	31.13	10.17	30	200	17	P	V
		5350.08	51.3	-2.7	54	40.03	31.1	10.17	30	200	17	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	49.16	-19.04	68.2	55.99	39.7	14.57	61.1	100	0	P	H
		15870	46.84	-27.16	74	53.3	37.17	17.49	61.12	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	48.13	-20.07	68.2	54.96	39.7	14.57	61.1	100	0	P	V
5290MHz		15870	48.05	-25.95	74	54.51	37.17	17.49	61.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (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)
		5095.88	51.79	-22.21	74	40.07	31.79	9.94	30.01	385	145	P	H
		5093.5	42.3	-11.7	54	30.58	31.79	9.94	30.01	385	145	A	H
	*	5260	95.61	-	-	84.31	31.2	10.1	30	385	145	P	H
	*	5260	85.9	-	-	74.6	31.2	10.1	30	385	145	A	H
802.11ax		5432.88	51.16	-22.84	74	39.38	31.53	10.24	29.99	385	145	P	H
HE20 Full		5430.24	42.16	-11.84	54	30.39	31.52	10.24	29.99	385	145	A	H
CH 52		5063.58	51.14	-22.86	74	39.52	31.73	9.91	30.02	200	2	P	V
5260MHz		5122.74	42.52	-11.48	54	30.76	31.8	9.97	30.01	200	2	A	V
	*	5260	106.97	-	-	95.67	31.2	10.1	30	200	2	P	V
	*	5260	96.63	-	-	85.33	31.2	10.1	30	200	2	A	V
		5399.76	51.1	-22.9	74	39.49	31.4	10.21	30	200	2	P	V
		5455.44	42.31	-11.69	54	30.44	31.6	10.26	29.99	200	2	A	V
		5075.82	51.13	-22.87	74	39.48	31.75	9.92	30.02	396	145	P	H
		5038.08	42	-12	54	30.54	31.6	9.88	30.02	396	145	A	H
	*	5300	96.72	-	-	85.39	31.2	10.13	30	396	145	P	H
	*	5300	89.34	-	-	78.01	31.2	10.13	30	396	145	A	H
802.11ax		5389.2	50.65	-23.35	74	39.11	31.34	10.2	30	396	145	P	H
HE20 Full		5428.08	42.05	-11.95	54	30.3	31.51	10.23	29.99	396	145	A	H
CH 60		5050.32	52.06	-21.94	74	40.49	31.7	9.89	30.02	200	2	P	V
5300MHz		5092.14	42.28	-11.72	54	30.57	31.78	9.94	30.01	200	2	A	V
	*	5300	109.14	-	-	97.81	31.2	10.13	30	200	2	P	V
	*	5300	98.44	-	-	87.11	31.2	10.13	30	200	2	A	V
		5351.28	51.85	-22.15	74	40.57	31.11	10.17	30	200	2	P	V
		5353.68	43.15	-10.85	54	31.86	31.12	10.17	30	200	2	A	V

	*	5320	99.04	-	-	87.73	31.16	10.15	30	249	67	P	H
	*	5320	90.14	-	-	78.83	31.16	10.15	30	249	67	A	H
		5447.68	51.78	-22.22	74	39.93	31.59	10.25	29.99	249	67	P	H
		5452.8	42.44	-11.56	54	30.58	31.6	10.25	29.99	249	67	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	110.58	-	-	99.27	31.16	10.15	30	233	356	P	V
5320MHz	*	5320	102.54	-	-	91.23	31.16	10.15	30	233	356	A	V
		5350.72	61.86	-12.14	74	50.59	31.1	10.17	30	233	356	P	V
		5351.2	47.34	-6.66	54	36.06	31.11	10.17	30	233	356	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 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	48.46	-19.74	68.2	55.32	39.7	14.54	61.1	100	0	P	H
		15780	46.34	-27.66	74	53.3	37.16	17.44	61.56	100	0	P	H
802.11ax													H
HE20 Full													H
CH 52		10520	47.63	-20.57	68.2	54.49	39.7	14.54	61.1	100	0	P	V
5260MHz		15780	46.66	-27.34	74	53.62	37.16	17.44	61.56	100	0	P	V
													V
													V
		10600	48.35	-25.65	74	55.17	39.7	14.58	61.1	100	0	P	H
		15900	46.55	-27.45	74	52.83	37.2	17.5	60.98	100	0	P	H
802.11ax													H
HE20 Full													H
CH 60		10600	49.2	-24.8	74	56.02	39.7	14.58	61.1	100	0	P	V
5300MHz		15900	46.07	-27.93	74	52.35	37.2	17.5	60.98	100	0	P	V
													V
													V
		10640	48.7	-25.3	74	55.42	39.78	14.6	61.1	100	0	P	H
		15960	46.59	-27.41	74	52.48	37.26	17.54	60.69	100	0	P	H
802.11ax													H
HE20 Full													H
CH 64		10640	48.92	-25.08	74	55.64	39.78	14.6	61.1	100	0	P	V
5320MHz		15960	46.42	-27.58	74	52.31	37.26	17.54	60.69	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 802.11ax HE40 Full (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)
		5032.98	51.35	-22.65	74	39.94	31.56	9.87	30.02	222	17	P	H
		5060.86	44.27	-9.73	54	32.67	31.72	9.9	30.02	222	17	A	H
	*	5270	92.19	-	-	80.88	31.2	10.11	30	222	17	P	H
	*	5270	85.16	-	-	73.85	31.2	10.11	30	222	17	A	H
802.11ax		5412.48	51.65	-22.35	74	39.98	31.45	10.22	30	222	17	P	H
HE40 Full		5459.76	44.29	-9.71	54	32.42	31.6	10.26	29.99	222	17	A	H
CH 54													V
5270MHz		5065.96	51.56	-22.44	74	39.94	31.73	9.91	30.02	201	17	P	V
		5130.9	44.27	-9.73	54	32.5	31.8	9.98	30.01	201	17	A	V
	*	5270	107.91	-	-	96.6	31.2	10.11	30	201	17	P	V
	*	5270	100.03	-	-	88.72	31.2	10.11	30	201	17	A	V
		5361.12	52.78	-21.22	74	41.43	31.17	10.18	30	201	17	P	V
		5082.96	51.48	-22.52	74	39.8	31.77	9.93	30.02	248	66	P	H
		5116.96	44.25	-9.75	54	32.5	31.8	9.96	30.01	248	66	A	H
	*	5310	94.4	-	-	83.08	31.18	10.14	30	248	66	P	H
	*	5310	86.59	-	-	75.27	31.18	10.14	30	248	66		H
802.11ax		5352	53.03	-20.97	74	41.75	31.11	10.17	30	248	66	P	H
HE40 Full		5436.48	44.12	-9.88	54	32.32	31.55	10.24	29.99	248	66	A	H
CH 62		5012.24	51.75	-22.25	74	40.52	31.4	9.85	30.02	212	354	P	V
5310MHz		5147.9	44.28	-9.72	54	32.49	31.8	10	30.01	212	354	A	V
	*	5310	107.02	-	-	95.7	31.18	10.14	30	212	354	P	V
	*	5310	98.79	-	-	87.47	31.18	10.14	30	212	354	A	V
		5350.08	61.99	-12.01	74	50.72	31.1	10.17	30	212	354	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 802.11ax HE40 Full (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	47.98	-20.22	68.2	54.83	39.7	14.55	61.1	100	0	P	H
		15810	46.09	-27.91	74	52.94	37.11	17.45	61.41	100	0	P	H
802.11ax													H
HE40 Full													H
CH 54		10540.8	47.7	-20.5	68.2	54.55	39.7	14.55	61.1	100	0	P	V
5270MHz		15810	47.09	-26.91	74	53.94	37.11	17.45	61.41	100	0	P	V
													V
													V
		10620	48.41	-25.59	74	55.18	39.74	14.59	61.1	100	0	P	H
		15930	46.11	-27.89	74	52.19	37.23	17.53	60.84	100	0	P	H
802.11ax													H
HE40 Full													H
CH 62		10620	48.16	-25.84	74	54.93	39.74	14.59	61.1	100	0	P	V
5310MHz		15930	46.04	-27.96	74	52.12	37.23	17.53	60.84	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)
		5385.52	51.47	-22.53	74	39.96	31.31	10.2	30	100	59	P	H
		5464.48	51.04	-17.16	68.2	39.17	31.6	10.26	29.99	100	59	P	H
		5441.2	43.97	-10.03	54	32.15	31.56	10.25	29.99	100	59	A	H
	*	5530	85.83	-	-	73.98	31.54	10.32	30.01	100	59	P	H
802.11ac	*	5530	79.22	-	-	67.37	31.54	10.32	30.01	100	59	A	H
VHT80		5733.5	50.8	-17.4	68.2	38.66	31.77	10.53	30.16	100	59	P	H
CH 106		5443.6	52.75	-21.25	74	40.92	31.57	10.25	29.99	200	357	P	V
5530MHz		5462.8	53.78	-14.42	68.2	41.91	31.6	10.26	29.99	200	357	P	V
		5454.16	46.03	-7.97	54	34.16	31.6	10.26	29.99	200	357	A	V
	*	5530	99.84	-	-	87.99	31.54	10.32	30.01	200	357	P	V
	*	5530	92.37	-	-	80.52	31.54	10.32	30.01	200	357	A	V
		5725	51.88	-16.32	68.2	39.76	31.75	10.52	30.15	200	357	P	V
		5449.12	51.16	-22.84	74	39.3	31.6	10.25	29.99	100	62	P	H
		5469.28	50.59	-17.61	68.2	38.71	31.6	10.27	29.99	100	62	P	H
		5446	43.59	-10.41	54	31.75	31.58	10.25	29.99	100	62	A	H
	*	5610	87.32	-	-	75.38	31.62	10.39	30.07	100	62	P	H
802.11ac	*	5610	80.17	-	-	68.23	31.62	10.39	30.07	100	62	A	H
VHT80		5735.39	51	-17.2	68.2	38.86	31.77	10.53	30.16	100	62	P	H
CH 122		5402.8	51.09	-22.91	74	39.47	31.41	10.21	30	200	352	P	V
5610MHz		5464	50.73	-17.47	68.2	38.86	31.6	10.26	29.99	200	352	P	V
		5452.72	44.26	-9.74	54	32.4	31.6	10.25	29.99	200	352	A	V
	*	5610	98.09	-	-	86.15	31.62	10.39	30.07	200	352	P	V
	*	5610	91.62	-	-	79.68	31.62	10.39	30.07	200	352	A	V
		5764.055	51.29	-16.91	68.2	39.11	31.8	10.56	30.18	200	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+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (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	49.75	-24.25	74	55.73	40.28	14.82	61.08	100	0	P	H
		16590	49.11	-19.09	68.2	51.64	38.81	18.01	59.35	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	49.8	-24.2	74	55.78	40.28	14.82	61.08	100	0	P	V
5530MHz		16590	48.71	-19.49	68.2	51.24	38.81	18.01	59.35	100	0	P	V
													V
													V
		11220	48.59	-25.41	74	54.88	39.82	14.9	61.01	100	0	P	H
		16830	50.84	-17.36	68.2	51.53	40.33	18.18	59.2	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	48.94	-25.06	74	55.23	39.82	14.9	61.01	100	0	P	V
5610MHz		16830	51.22	-16.98	68.2	51.91	40.33	18.18	59.2	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Full (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)
		5453.36	50.84	-23.16	74	38.97	31.6	10.26	29.99	286	193	P	H
		5463.12	50.33	-17.87	68.2	38.46	31.6	10.26	29.99	286	193	P	H
		5448.08	42.63	-11.37	54	30.78	31.59	10.25	29.99	286	193	A	H
	*	5500	97.22	-	-	85.31	31.6	10.3	29.99	286	193	P	H
802.11ax	*	5500	88.06	-	-	76.15	31.6	10.3	29.99	286	193	A	H
HE20 Full		5457.84	58.85	-15.15	74	46.98	31.6	10.26	29.99	222	357	P	V
CH 100		5469.36	61.19	-7.01	68.2	49.31	31.6	10.27	29.99	222	357	P	V
5500MHz		5458.8	45.64	-8.36	54	33.77	31.6	10.26	29.99	222	357	A	V
	*	5500	111.59	-	-	99.68	31.6	10.3	29.99	222	357	P	V
	*	5500	101.49	-	-	89.58	31.6	10.3	29.99	222	357	A	V
													V
													V
		5412.64	51.6	-22.4	74	39.93	31.45	10.22	30	289	62	P	H
		5469.88	50.37	-17.83	68.2	38.49	31.6	10.27	29.99	289	62	P	H
		5453.14	42.18	-11.82	54	30.31	31.6	10.26	29.99	289	62	A	H
	*	5580	95.89	-	-	84.02	31.56	10.36	30.05	289	62	P	H
802.11ax	*	5580	85.5	-	-	73.63	31.56	10.36	30.05	289	62	A	H
HE20 Full		5751.14	50.57	-17.63	68.2	38.39	31.8	10.55	30.17	289	62	P	H
CH 116		5421.28	51.1	-22.9	74	39.37	31.49	10.23	29.99	200	11	P	V
5580MHz		5466.64	51	-17.2	68.2	39.12	31.6	10.27	29.99	200	11	P	V
		5451.25	42.23	-11.77	54	30.37	31.6	10.25	29.99	200	11	A	V
	*	5580	108.15	-	-	96.28	31.56	10.36	30.05	200	11	P	V
	*	5580	97.44	-	-	85.57	31.56	10.36	30.05	200	11	A	V
		5742.95	51.21	-16.99	68.2	39.04	31.79	10.54	30.16	200	11	P	V

	*	5700	98.06	-	-	86	31.7	10.49	30.13	100	63	P	H
	*	5700	88.55	-	-	76.49	31.7	10.49	30.13	100	63	A	H
		5725.4	53.26	-14.94	68.2	41.14	31.75	10.52	30.15	100	63	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	107.04	-	-	94.98	31.7	10.49	30.13	200	352	P	V
5700MHz	*	5700	98.57	-	-	86.51	31.7	10.49	30.13	200	352	A	V
		5725.24	59.28	-8.92	68.2	47.16	31.75	10.52	30.15	200	352	P	V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ax HE20 (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)
		10995.9	49.82	-24.18	74	55.74	40.4	14.78	61.1	100	0	P	H
		16500	48.73	-19.47	68.2	51.29	38.9	17.94	59.4	100	0	P	H
802.11ax													H
HE20 Full													H
CH 100		11000	51.02	-22.98	74	56.93	40.4	14.79	61.1	200	121	P	V
5500MHz		11000	39.07	-14.93	54	44.98	40.4	14.79	61.1	200	121	A	V
													V
													V
		11160	49.21	-24.79	74	55.42	39.96	14.87	61.04	100	0	P	H
		16740	50.02	-18.18	68.2	51.22	39.94	18.12	59.26	100	0	P	H
802.11ax													H
HE20 Full													H
CH 116		11160	48.71	-25.29	74	54.92	39.96	14.87	61.04	100	0	P	V
5580MHz		16740	50.5	-17.7	68.2	51.7	39.94	18.12	59.26	100	0	P	V
													V
													V
		11400	48.74	-25.26	74	54.69	40	14.99	60.94	100	0	P	H
		17100	50.64	-17.56	68.2	50.64	40.6	18.38	58.98	100	0	P	H
802.11ax													H
HE20 Full													H
CH 140		11400	48.61	-25.39	74	54.56	40	14.99	60.94	100	0	P	V
5700MHz		17100	50.81	-17.39	68.2	50.81	40.6	18.38	58.98	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 802.11ax HE40 Full (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)
		5453.68	52.01	-21.99	74	40.14	31.6	10.26	29.99	257	29	P	H
		5469.76	52.35	-15.85	68.2	40.47	31.6	10.27	29.99	257	29	P	H
		5435.92	44.39	-9.61	54	32.6	31.54	10.24	29.99	257	29	A	H
	*	5510	94.37	-	-	82.49	31.58	10.3	30	257	29	P	H
802.11ax	*	5510	86.73	-	-	74.85	31.58	10.3	30	257	29	A	H
HE40 Full		5747.36	52.05	-16.15	68.2	39.89	31.79	10.54	30.17	257	29	P	H
CH 102		5458.96	58.94	-15.06	74	47.07	31.6	10.26	29.99	228	14	P	V
5510MHz		5468.32	61.39	-6.81	68.2	49.51	31.6	10.27	29.99	228	14	P	V
		5458.48	48.9	-5.1	54	37.03	31.6	10.26	29.99	228	14	A	V
	*	5510	106.11	-	-	94.23	31.58	10.3	30	228	14	P	V
	*	5510	98.55	-	-	86.67	31.58	10.3	30	228	14	A	V
		5727.515	51.36	-16.84	68.2	39.23	31.76	10.52	30.15	228	14	P	V
		5408.8	51.7	-22.3	74	40.04	31.44	10.22	30	250	61	P	H
		5468.8	51.13	-17.07	68.2	39.25	31.6	10.27	29.99	250	61	P	H
		5449.84	43.93	-10.07	54	32.07	31.6	10.25	29.99	250	61	A	H
	*	5550	93.58	-	-	81.77	31.5	10.34	30.03	250	61	P	H
802.11ax	*	5550	86.09	-	-	74.28	31.5	10.34	30.03	250	61	A	H
HE40 Full		5728.46	51.34	-16.86	68.2	39.21	31.76	10.52	30.15	250	61	P	H
CH 110		5411.44	52.61	-21.39	74	40.94	31.45	10.22	30	200	5	P	V
5550MHz		5467.12	52.58	-15.62	68.2	40.7	31.6	10.27	29.99	200	5	P	V
		5458.24	44.89	-9.11	54	33.02	31.6	10.26	29.99	200	5	A	V
	*	5550	105.92	-	-	94.11	31.5	10.34	30.03	200	5	P	V
	*	5550	98.46	-	-	86.65	31.5	10.34	30.03	200	5	A	V
		5730.665	51.26	-16.94	68.2	39.14	31.76	10.52	30.16	200	5	P	V

		5394.8	50.56	-23.44	74	38.98	31.37	10.21	30	100	62	P	H
		5460.25	49.05	-19.15	68.2	37.18	31.6	10.26	29.99	100	62	P	H
		5394.45	43.89	-10.11	54	32.31	31.37	10.21	30	100	62	A	H
	*	5670	94.69	-	-	82.64	31.7	10.46	30.11	100	62	P	H
802.11ax	*	5670	86.26	-	-	74.21	31.7	10.46	30.11	100	62	A	H
HE40 Full		5734.9	51.12	-17.08	68.2	38.98	31.77	10.53	30.16	100	62	P	H
CH 134		5418.25	51.02	-22.98	74	39.31	31.47	10.23	29.99	219	5	P	V
5670MHz		5466.55	49.55	-18.65	68.2	37.67	31.6	10.27	29.99	219	5	P	V
		5405.3	43.86	-10.14	54	32.23	31.42	10.21	30	219	5	A	V
	*	5670	105.56	-	-	93.51	31.7	10.46	30.11	219	5	P	V
	*	5670	98.19	-	-	86.14	31.7	10.46	30.11	219	5	A	V
		5731.4	52.79	-15.41	68.2	40.67	31.76	10.52	30.16	219	5	P	V

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

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (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	49.99	-24.01	74	55.92	40.36	14.8	61.09	100	0	P	H
		16530	48.74	-19.46	68.2	51.29	38.87	17.96	59.38	100	0	P	H
802.11ax													H
HE40 Full													H
CH 102		11020	49.82	-24.18	74	55.75	40.36	14.8	61.09	100	0	P	V
5510MHz		16530	49.42	-18.78	68.2	51.97	38.87	17.96	59.38	100	0	P	V
													V
													V
		11100	49.74	-24.26	74	55.76	40.2	14.84	61.06	100	0	P	H
		16650	49.3	-18.9	68.2	51.31	39.25	18.05	59.31	100	0	P	H
802.11ax													H
HE40 Full													H
CH 110		11100	49.43	-24.57	74	55.45	40.2	14.84	61.06	100	0	P	V
5550MHz		16650	49.19	-19.01	68.2	51.2	39.25	18.05	59.31	100	0	P	V
													V
													V
		11340	48.88	-25.12	74	54.94	39.94	14.96	60.96	100	0	P	H
		17010	51.63	-16.57	68.2	51.8	40.6	18.32	59.09	100	0	P	H
802.11ax													H
HE40 Full													H
CH 134		11340	47.73	-26.27	74	53.79	39.94	14.96	60.96	100	0	P	V
5670MHz		17010	51.26	-16.94	68.2	51.43	40.6	18.32	59.09	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

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 138 5690MHz		5366.77	51.29	-22.71	74	39.91	31.2	10.18	30	100	62	P	H
		5463.88	51.28	-16.92	68.2	39.41	31.6	10.26	29.99	100	62	P	H
		5429.95	43.73	-10.27	54	31.96	31.52	10.24	29.99	100	62	A	H
	*	5690	87.41	-	-	75.36	31.7	10.48	30.13	100	62	P	H
	*	5690	81.13	-	-	69.08	31.7	10.48	30.13	100	62	A	H
		5908	51.73	-16.47	68.2	39.21	32.12	10.68	30.28	100	62	P	H
		5431.51	51.95	-22.05	74	40.17	31.53	10.24	29.99	214	354	P	V
		5462.32	50.88	-17.32	68.2	39.01	31.6	10.26	29.99	214	354	P	V
		5454.91	44.21	-9.79	54	32.34	31.6	10.26	29.99	214	354	A	V
	*	5690	99.31	-	-	87.26	31.7	10.48	30.13	214	354	P	V
	*	5690	91.96	-	-	79.91	31.7	10.48	30.13	214	354	A	V
		5878	52.34	-15.86	68.2	39.89	32.06	10.65	30.26	214	354	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	48.53	-25.47	74	54.52	39.98	14.98	60.95	100	0	P	H
		17070	51.08	-17.12	68.2	51.14	40.6	18.36	59.02	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	48.24	-25.76	74	54.23	39.98	14.98	60.95	100	0	P	V
5690MHz		17070	51.33	-16.87	68.2	51.39	40.6	18.36	59.02	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 802.11ax HE20 Full (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)
802.11ax HE20 Full CH 144 5720MHz		5447.89	50.45	-23.55	74	38.6	31.59	10.25	29.99	251	64	P	H
		5468.56	50.09	-18.11	68.2	38.21	31.6	10.27	29.99	251	64	P	H
		5430.73	41.99	-12.01	54	30.22	31.52	10.24	29.99	251	64	A	H
	*	5720	96.51	-	-	84.41	31.74	10.51	30.15	251	64	P	H
	*	5720	86.53	-	-	74.43	31.74	10.51	30.15	251	64	A	H
		5915.5	52.19	-16.01	68.2	39.67	32.13	10.68	30.29	251	64	P	H
		5431.51	51.07	-22.93	74	39.29	31.53	10.24	29.99	220	356	P	V
		5462.71	50.56	-17.64	68.2	38.69	31.6	10.26	29.99	220	356	P	V
		5442.04	42.27	-11.73	54	30.44	31.57	10.25	29.99	220	356	A	V
	*	5720	105.79	-	-	93.69	31.74	10.51	30.15	220	356	P	V
	*	5720	97.13	-	-	85.03	31.74	10.51	30.15	220	356	A	V
		5898.25	51.8	-16.4	68.2	39.31	32.1	10.67	30.28	220	356	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	48.63	-25.37	74	54.5	40.04	15.01	60.92	100	0	P	H
		17160	50.57	-17.63	68.2	50.33	40.72	18.43	58.91	100	0	P	H
802.11ax													H
HE20 Full													H
CH 144		11440	48.75	-25.25	74	54.62	40.04	15.01	60.92	100	0	P	V
5720MHz		17160	50.9	-17.3	68.2	50.66	40.72	18.43	58.91	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 - Straddle Channel

WIFI 802.11ax HE40 Full (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)
802.11ax HE40 Full CH 142 5710MHz		5417.08	49.95	-24.05	74	38.25	31.47	10.22	29.99	100	63	P	H
		5465.83	50.08	-18.12	68.2	38.2	31.6	10.27	29.99	100	63	P	H
		5435.8	43.75	-10.25	54	31.96	31.54	10.24	29.99	100	63	A	H
	*	5710	93.33	-	-	81.25	31.72	10.5	30.14	100	63	P	H
	*	5710	85.66	-	-	73.58	31.72	10.5	30.14	100	63	A	H
		5905.25	52.44	-15.76	68.2	39.94	32.11	10.67	30.28	100	63	P	H
		5376.52	51.36	-22.64	74	39.91	31.26	10.19	30	222	10	P	V
		5460.37	49.64	-18.56	68.2	37.77	31.6	10.26	29.99	222	10	P	V
		5457.64	43.97	-10.03	54	32.1	31.6	10.26	29.99	222	10	A	V
	*	5710	103.51	-	-	91.43	31.72	10.5	30.14	222	10	P	V
	*	5710	95.38	-	-	83.3	31.72	10.5	30.14	222	10	A	V
		5938.25	51.6	-16.6	68.2	39.03	32.18	10.7	30.31	222	10	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (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	48.89	-25.11	74	54.8	40.02	15	60.93	100	0	P	H
		17130	50.91	-17.29	68.2	50.79	40.66	18.4	58.94	100	0	P	H
802.11ax													H
HE40 Full													H
CH 142		11420	49.12	-24.88	74	55.03	40.02	15	60.93	100	0	P	V
5710MHz		17130	50.9	-17.3	68.2	50.78	40.66	18.4	58.94	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 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		89.17	25.17	-18.33	43.5	41.81	14.52	1.34	32.5	-	-	P	H
		204.6	27.04	-16.46	43.5	42.26	15.15	2.07	32.44	-	-	P	H
		216.24	27.14	-18.86	46	42.45	15	2.12	32.43	-	-	P	H
		261.83	38.6	-7.4	46	48.78	19.93	2.31	32.42	100	50	Q	H
		504.33	32.59	-13.41	46	38.17	23.92	3.09	32.59	-	-	P	H
		902.03	36.85	-9.15	46	35.35	28.96	4.16	31.62	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.97	22.16	-17.84	40	29.77	24.21	0.68	32.5	-	-	P	V
		204.6	26.92	-16.58	43.5	42.14	15.15	2.07	32.44	-	-	P	V
		259.89	39.71	-6.29	46	49.95	19.88	2.3	32.42	100	0	P	V
		729.37	37.41	-8.59	46	38.88	27.31	3.67	32.45	-	-	P	V
		741.01	37	-9	46	37.97	27.78	3.7	32.45	-	-	P	V
		885.54	34.04	-11.96	46	32.75	28.86	4.13	31.7	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

< W3006 >

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		5146.64	55.77	-18.23	74	43.99	31.8	9.99	30.01	267	22	P	H
		5150	44.31	-9.69	54	32.52	31.8	10	30.01	267	22	A	H
	*	5180	106.02	-	-	94.38	31.62	10.03	30.01	267	22	P	H
	*	5180	98.6	-	-	86.96	31.62	10.03	30.01	267	22	A	H
													H
													H
		5147.16	57.85	-16.15	74	46.07	31.8	9.99	30.01	241	269	P	V
		5150	44.71	-9.29	54	32.92	31.8	10	30.01	241	269	A	V
	*	5180	107.4	-	-	95.76	31.62	10.03	30.01	241	269	P	V
	*	5180	99.77	-	-	88.13	31.62	10.03	30.01	241	269	A	V
													V
													V
802.11a CH 44 5220MHz		5103.74	51.72	-22.28	74	39.98	31.8	9.95	30.01	100	307	P	H
		5142.48	40.67	-13.33	54	28.89	31.8	9.99	30.01	100	307	A	H
	*	5220	102.29	-	-	90.85	31.38	10.07	30.01	100	307	P	H
	*	5220	94.86	-	-	83.42	31.38	10.07	30.01	100	307	A	H
		5429.76	52.15	-21.85	74	40.38	31.52	10.24	29.99	100	307	P	H
		5425.84	40.97	-13.03	54	29.23	31.5	10.23	29.99	100	307	A	H
		5057.46	51.46	-22.54	74	39.87	31.71	9.9	30.02	250	257	P	V
		5133.12	40.86	-13.14	54	29.09	31.8	9.98	30.01	250	257	A	V
	*	5220	104.37	-	-	92.93	31.38	10.07	30.01	250	257	P	V
	*	5220	97.1	-	-	85.66	31.38	10.07	30.01	250	257	A	V
		5423.88	51.24	-22.76	74	39.5	31.5	10.23	29.99	250	257	P	V
		5426.12	41.43	-12.57	54	29.69	31.5	10.23	29.99	250	257	A	V

802.11a CH 48 5240MHz		5113.36	52	-22	74	40.25	31.8	9.96	30.01	262	21	P	H
		5132.86	40.93	-13.07	54	29.16	31.8	9.98	30.01	262	21	A	H
	*	5240	105.03	-	-	93.7	31.26	10.08	30.01	262	21	P	H
	*	5240	97.73	-	-	86.4	31.26	10.08	30.01	262	21	A	H
		5402.04	50.34	-23.66	74	38.72	31.41	10.21	30	262	21	P	H
		5453.28	41.02	-12.98	54	29.15	31.6	10.26	29.99	262	21	A	H
		5147.94	51.86	-22.14	74	40.07	31.8	10	30.01	252	266	P	V
		5119.86	41.05	-12.95	54	29.29	31.8	9.97	30.01	252	266	A	V
	*	5240	107.4	-	-	96.07	31.26	10.08	30.01	252	266	P	V
	*	5240	99.85	-	-	88.52	31.26	10.08	30.01	252	266	A	V
		5372.36	51.29	-22.71	74	39.87	31.23	10.19	30	252	266	P	V
		5458.88	41.93	-12.07	54	30.06	31.6	10.26	29.99	252	266	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	46.71	-21.49	68.2	53.71	39.44	14.46	60.9	100	0	P	H
		15540	46.71	-27.29	74	54.31	37.82	17.29	62.71	100	0	P	H
													H
													H
		10360	47.34	-20.86	68.2	54.34	39.44	14.46	60.9	100	0	P	V
		15540	45.93	-28.07	74	53.53	37.82	17.29	62.71	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	47.4	-20.8	68.2	54.28	39.64	14.5	61.02	100	0	P	H
		15660	46.48	-27.52	74	53.73	37.52	17.36	62.13	100	0	P	H
													H
													H
		10440	47.85	-20.35	68.2	54.73	39.64	14.5	61.02	100	0	P	V
		15660	47	-27	74	54.25	37.52	17.36	62.13	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.48	-21.72	68.2	53.35	39.68	14.52	61.07	100	0	P	H
		15720	45.78	-28.22	74	52.88	37.34	17.4	61.84	100	0	P	H
													H
													H
		10480	47.01	-21.19	68.2	53.88	39.68	14.52	61.07	100	0	P	V
		15720	45.88	-28.12	74	52.98	37.34	17.4	61.84	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5145.86	51.76	-22.24	74	39.98	31.8	9.99	30.01	100	304	P	H
		5131.24	40.58	-13.42	54	28.81	31.8	9.98	30.01	100	304	A	H
	*	5260	103.88	-	-	92.58	31.2	10.1	30	100	304	P	H
	*	5260	96.3	-	-	85	31.2	10.1	30	100	304	A	H
		5381.76	51.71	-22.29	74	40.22	31.29	10.2	30	100	304	P	H
		5423.28	40.71	-13.29	54	28.98	31.49	10.23	29.99	100	304	A	H
		5061.54	51.69	-22.31	74	40.09	31.72	9.9	30.02	251	259	P	V
		5102.34	40.71	-13.29	54	28.97	31.8	9.95	30.01	251	259	A	V
	*	5260	106.14	-	-	94.84	31.2	10.1	30	251	259	P	V
	*	5260	98.55	-	-	87.25	31.2	10.1	30	251	259	A	V
		5375.76	53.86	-20.14	74	42.42	31.25	10.19	30	251	259	P	V
		5421.84	41.08	-12.92	54	29.35	31.49	10.23	29.99	251	259	A	V
802.11a CH 60 5300MHz		5071.06	51.16	-22.84	74	39.53	31.74	9.91	30.02	100	305	P	H
		5103.36	40.57	-13.43	54	28.83	31.8	9.95	30.01	100	305	A	H
	*	5300	104.78	-	-	93.45	31.2	10.13	30	100	305	P	H
	*	5300	97.79	-	-	86.46	31.2	10.13	30	100	305	A	H
		5452.56	50.91	-23.09	74	39.05	31.6	10.25	29.99	100	305	P	H
		5350.32	41.19	-12.81	54	29.92	31.1	10.17	30	100	305	A	H
		5147.22	51.32	-22.68	74	39.54	31.8	9.99	30.01	253	256	P	V
		5132.94	40.71	-13.29	54	28.94	31.8	9.98	30.01	253	256	A	V
	*	5300	107.51	-	-	96.18	31.2	10.13	30	253	256	P	V
	*	5300	100.19	-	-	88.86	31.2	10.13	30	253	256	A	V
		5352.96	54.04	-19.96	74	42.75	31.12	10.17	30	253	256	P	V
		5350.32	42.05	-11.95	54	30.78	31.1	10.17	30	253	256	A	V

802.11a CH 64 5320MHz	*	5320	106.14	-	-	94.83	31.16	10.15	30	100	305	P	H
	*	5320	98.6	-	-	87.29	31.16	10.15	30	100	305	A	H
		5351.2	58.92	-15.08	74	47.64	31.11	10.17	30	100	305	P	H
		5350.08	43.89	-10.11	54	32.62	31.1	10.17	30	100	305	A	H
													H
													H
	*	5320	108.55	-	-	97.24	31.16	10.15	30	255	259	P	V
	*	5320	101.06	-	-	89.75	31.16	10.15	30	255	259	A	V
		5351.36	59.84	-14.16	74	48.56	31.11	10.17	30	255	259	P	V
		5350.08	45.74	-8.26	54	34.47	31.1	10.17	30	255	259	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	47.12	-21.08	68.2	53.98	39.7	14.54	61.1	100	0	P	H
		15780	47.01	-26.99	74	53.97	37.16	17.44	61.56	100	0	P	H
													H
													H
		10520	47.96	-20.24	68.2	54.82	39.7	14.54	61.1	100	0	P	V
		15780	46.51	-27.49	74	53.47	37.16	17.44	61.56	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	48.26	-25.74	74	55.08	39.7	14.58	61.1	100	0	P	H
		15900	46.1	-27.9	74	52.38	37.2	17.5	60.98	100	0	P	H
													H
													H
		10600	48.1	-25.9	74	54.92	39.7	14.58	61.1	100	0	P	V
		15900	45.94	-28.06	74	52.22	37.2	17.5	60.98	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	48.3	-25.7	74	55.02	39.78	14.6	61.1	100	0	P	H
		15960	46.3	-27.7	74	52.19	37.26	17.54	60.69	100	0	P	H
													H
													H
		10640	48.83	-25.17	74	55.55	39.78	14.6	61.1	100	0	P	V
		15960	46.04	-27.96	74	51.93	37.26	17.54	60.69	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5448.4	53.29	-20.71	74	41.44	31.59	10.25	29.99	240	10	P	H
		5469.68	58.23	-9.97	68.2	46.35	31.6	10.27	29.99	240	10	P	H
		5459.6	42.01	-11.99	54	30.14	31.6	10.26	29.99	240	10	A	H
	*	5500	104.58	-	-	92.67	31.6	10.3	29.99	240	10	P	H
	*	5500	97.02	-	-	85.11	31.6	10.3	29.99	240	10	A	H
													H
		5459.92	58.7	-15.3	74	46.83	31.6	10.26	29.99	251	268	P	V
		5466.32	64.75	-3.45	68.2	52.87	31.6	10.27	29.99	251	268	P	V
		5460	43.12	-10.88	54	31.25	31.6	10.26	29.99	251	268	A	V
	*	5500	108.95	-	-	97.04	31.6	10.3	29.99	251	268	P	V
	*	5500	101.39	-	-	89.48	31.6	10.3	29.99	251	268	A	V
													V
802.11a CH 116 5580MHz		5423.44	51.13	-22.87	74	39.4	31.49	10.23	29.99	100	303	P	H
		5467.36	51.1	-17.1	68.2	39.22	31.6	10.27	29.99	100	303	P	H
		5455.6	40.6	-13.4	54	28.73	31.6	10.26	29.99	100	303	A	H
	*	5580	103.78	-	-	91.91	31.56	10.36	30.05	100	303	P	H
	*	5580	96.57	-	-	84.7	31.56	10.36	30.05	100	303	A	H
		5748.935	50.71	-17.49	68.2	38.54	31.8	10.54	30.17	100	303	P	H
		5452	52.59	-21.41	74	40.73	31.6	10.25	29.99	239	266	P	V
		5462.08	51.01	-17.19	68.2	39.14	31.6	10.26	29.99	239	266	P	V
		5459.92	40.84	-13.16	54	28.97	31.6	10.26	29.99	239	266	A	V
	*	5580	107.51	-	-	95.64	31.56	10.36	30.05	239	266	P	V
	*	5580	99.8	-	-	87.93	31.56	10.36	30.05	239	266	A	V
		5739.8	51.49	-16.71	68.2	39.34	31.78	10.53	30.16	239	266	P	V

802.11a CH 140 5700MHz	*	5700	101.72	-	-	89.66	31.7	10.49	30.13	100	305	P	H
	*	5700	94.38	-	-	82.32	31.7	10.49	30.13	100	305	A	H
		5725.64	56.2	-12	68.2	44.08	31.75	10.52	30.15	100	305	P	H
													H
													H
													H
	*	5700	105.06	-	-	93	31.7	10.49	30.13	250	240	P	V
	*	5700	97.56	-	-	85.5	31.7	10.49	30.13	250	240	A	V
		5725.24	59.49	-8.71	68.2	47.37	31.75	10.52	30.15	250	240	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	49.15	-24.85	74	55.06	40.4	14.79	61.1	100	0	P	H
		16500	48.38	-19.82	68.2	50.94	38.9	17.94	59.4	100	0	P	H
													H
													H
		11000	49.82	-24.18	74	55.73	40.4	14.79	61.1	100	0	P	V
		16500	49.35	-18.85	68.2	51.91	38.9	17.94	59.4	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.11	-25.89	74	54.32	39.96	14.87	61.04	100	0	P	H
		16740	49.65	-18.55	68.2	50.85	39.94	18.12	59.26	100	0	P	H
													H
													H
		11160	48.3	-25.7	74	54.51	39.96	14.87	61.04	100	0	P	V
		16740	49.51	-18.69	68.2	50.71	39.94	18.12	59.26	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	48.15	-25.85	74	54.1	40	14.99	60.94	100	0	P	H
		17100	49.49	-18.71	68.2	49.49	40.6	18.38	58.98	100	0	P	H
													H
													H
		11400	47.68	-26.32	74	53.63	40	14.99	60.94	100	0	P	V
		17100	50.04	-18.16	68.2	50.04	40.6	18.38	58.98	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

Band 3 - Straddle Channel

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 144 5720MHz		5434.63	50.8	-23.2	74	39.01	31.54	10.24	29.99	254	307	P	H
		5464.27	50.16	-18.04	68.2	38.29	31.6	10.26	29.99	254	307	P	H
		5455.3	40.53	-13.47	54	28.66	31.6	10.26	29.99	254	307	A	H
	*	5720	103.74	-	-	91.64	31.74	10.51	30.15	254	307	P	H
	*	5720	95.76	-	-	83.66	31.74	10.51	30.15	254	307	A	H
		5899.5	52.12	-16.08	68.2	39.63	32.1	10.67	30.28	254	307	P	H
		5358.19	51.36	-22.64	74	40.03	31.15	10.18	30	256	238	P	V
		5465.83	50.67	-17.53	68.2	38.79	31.6	10.27	29.99	256	238	P	V
		5455.3	40.64	-13.36	54	28.77	31.6	10.26	29.99	256	238	A	V
	*	5720	106.47	-	-	94.37	31.74	10.51	30.15	256	238	P	V
	*	5720	98.24	-	-	86.14	31.74	10.51	30.15	256	238	A	V
		5948.25	52.13	-16.07	68.2	39.54	32.2	10.7	30.31	256	238	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	48.29	-25.71	74	54.16	40.04	15.01	60.92	100	0	P	H
		17160	49.53	-18.67	68.2	49.29	40.72	18.43	58.91	100	0	P	H
													H
													H
		11440	47.93	-26.07	74	53.8	40.04	15.01	60.92	100	0	P	V
		17160	49.69	-18.51	68.2	49.45	40.72	18.43	58.91	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 - Straddle Channel

Emission below 1GHz

WIFI 802.11a (LF @ 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 LF		88.2	22.27	-21.23	43.5	39.08	14.36	1.2	32.5	-	-	P	H
		197.81	37.2	-6.3	43.5	52.75	14.85	1.82	32.44	-	-	P	H
		258.92	39.83	-6.17	46	50.21	19.73	2.09	32.42	100	290	Q	H
		593.57	38.7	-7.3	46	42.19	25.61	3.18	32.47	-	-	P	H
		726.46	33.38	-12.62	46	35.03	27.14	3.51	32.45	-	-	P	H
		792.42	33.54	-12.46	46	33.87	28	3.67	32.2	-	-	P	H
													H
													H
													H
													H
													H
													H
		56.19	23.27	-16.73	40	42.58	12.24	0.92	32.56	-	-	P	V
		89.17	26.56	-16.94	43.5	43.2	14.52	1.21	32.5	-	-	P	V
		197.81	30.75	-12.75	43.5	46.3	14.85	1.82	32.44	100	0	P	V
		265.71	32.32	-13.68	46	42.59	19.85	2.11	32.43	-	-	P	V
		593.57	33.09	-12.91	46	36.58	25.61	3.18	32.47	-	-	P	V
		843.83	30.2	-15.8	46	29.26	28.82	3.8	31.91	-	-	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 802.11ac VHT80 (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)
		5111.54	51.75	-22.25	74	40	31.8	9.96	30.01	288	66	P	H
		5117.78	45.28	-8.72	54	33.53	31.8	9.96	30.01	288	66	A	H
	*	5210	93.56	-	-	82.07	31.44	10.06	30.01	288	66	P	H
	*	5210	87.58	-	-	76.09	31.44	10.06	30.01	288	66	A	H
802.11ac		5440.68	50.25	-23.75	74	38.44	31.56	10.24	29.99	288	66	P	H
VHT80		5431.44	43.47	-10.53	54	31.69	31.53	10.24	29.99	288	66	A	H
CH 42		5127.4	53.08	-20.92	74	41.32	31.8	9.97	30.01	100	90	P	V
5210MHz		5142.22	47.26	-6.74	54	35.48	31.8	9.99	30.01	100	90	A	V
	*	5210	96.02	-	-	84.53	31.44	10.06	30.01	100	90	P	V
	*	5210	89.32	-	-	77.83	31.44	10.06	30.01	100	90	A	V
		5439.56	50.68	-23.32	74	38.87	31.56	10.24	29.99	100	90	P	V
		5458.6	43.92	-10.08	54	32.05	31.6	10.26	29.99	100	90	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	48.09	-20.11	68.2	54.97	39.62	14.49	60.99	100	0	P	H
		15630	45.66	-28.34	74	52.99	37.61	17.34	62.28	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	47.15	-21.05	68.2	54.03	39.62	14.49	60.99	100	0	P	V
5210MHz		15630	46.28	-27.72	74	53.61	37.61	17.34	62.28	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 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5146.12	52.34	-21.66	74	40.56	31.8	9.99	30.01	286	65	P	H
		5150	43.96	-10.04	54	32.17	31.8	10	30.01	286	65	A	H
	*	5180	103.88	-	-	92.24	31.62	10.03	30.01	286	65	P	H
	*	5180	95.2	-	-	83.56	31.62	10.03	30.01	286	65	A	H
802.11ax													H
HE20 Full													H
CH 36		5146.64	55.1	-18.9	74	43.32	31.8	9.99	30.01	100	86	P	V
5180MHz		5149.24	44.57	-9.43	54	32.78	31.8	10	30.01	100	86	A	V
	*	5180	106.64	-	-	95	31.62	10.03	30.01	100	86	P	V
	*	5180	96.97	-	-	85.33	31.62	10.03	30.01	100	86	A	V
													V
													V
		5055.64	50.85	-23.15	74	39.26	31.71	9.9	30.02	100	305	P	H
		5144.04	42.54	-11.46	54	30.76	31.8	9.99	30.01	100	305	A	H
	*	5220	101.23	-	-	89.79	31.38	10.07	30.01	100	305	P	H
	*	5220	93.15	-	-	81.71	31.38	10.07	30.01	100	305	A	H
802.11ax		5405.12	50.62	-23.38	74	38.99	31.42	10.21	30	100	305	P	H
HE20 Full		5451.88	42.64	-11.36	54	30.78	31.6	10.25	29.99	100	305	A	H
CH 44		5096.72	51.62	-22.38	74	39.9	31.79	9.94	30.01	245	266	P	V
5220MHz		5094.12	42.64	-11.36	54	30.92	31.79	9.94	30.01	245	266	A	V
	*	5220	105.22	-	-	93.78	31.38	10.07	30.01	245	266	P	V
	*	5220	96.8	-	-	85.36	31.38	10.07	30.01	245	266	A	V
		5419.68	51.07	-22.93	74	39.35	31.48	10.23	29.99	245	266	P	V
		5459.16	42.63	-11.37	54	30.76	31.6	10.26	29.99	245	266	A	V

		5120.12	50.96	-23.04	74	39.2	31.8	9.97	30.01	100	307	P	H
		5087.1	42.68	-11.32	54	30.99	31.77	9.93	30.01	100	307	A	H
	*	5240	102.34	-	-	91.01	31.26	10.08	30.01	100	307	P	H
	*	5240	93.56	-	-	82.23	31.26	10.08	30.01	100	307	A	H
802.11ax		5392.52	50.59	-23.41	74	39.03	31.36	10.2	30	100	307	P	H
HE20 Full		5443.2	42.38	-11.62	54	30.55	31.57	10.25	29.99	100	307	A	H
CH 48		5103.22	51.9	-22.1	74	40.16	31.8	9.95	30.01	254	265	P	V
5240MHz		5104.26	42.75	-11.25	54	31.01	31.8	9.95	30.01	254	265	A	V
	*	5240	104.68	-	-	93.35	31.26	10.08	30.01	254	265	P	V
	*	5240	96.88	-	-	85.55	31.26	10.08	30.01	254	265	A	V
		5416.04	51.34	-22.66	74	39.66	31.46	10.22	30	254	265	P	V
		5422.48	42.71	-11.29	54	30.98	31.49	10.23	29.99	254	265	A	V

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

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (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	47.76	-20.44	68.2	54.76	39.44	14.46	60.9	100	0	P	H
		15540	46.59	-27.41	74	54.19	37.82	17.29	62.71	100	0	P	H
802.11ax													H
HE20 Full													H
CH 36		10360	47.42	-20.78	68.2	54.42	39.44	14.46	60.9	100	0	P	V
5180MHz		15540	46.98	-27.02	74	54.58	37.82	17.29	62.71	100	0	P	V
													V
													V
		10440	46.97	-21.23	68.2	53.85	39.64	14.5	61.02	100	0	P	H
		15660	45.32	-28.68	74	52.57	37.52	17.36	62.13	100	0	P	H
802.11ax													H
HE20 Full													H
CH 44		10440	47.14	-21.06	68.2	54.02	39.64	14.5	61.02	100	0	P	V
5220MHz		15660	45.61	-28.39	74	52.86	37.52	17.36	62.13	100	0	P	V
													V
													V
		10480	46.88	-21.32	68.2	53.75	39.68	14.52	61.07	100	0	P	H
		15720	46.17	-27.83	74	53.27	37.34	17.4	61.84	100	0	P	H
802.11ax													H
HE20 Full													H
CH 48		10480	47.33	-20.87	68.2	54.2	39.68	14.52	61.07	100	0	P	V
5240MHz		15720	45.82	-28.18	74	52.92	37.34	17.4	61.84	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 802.11ax HE40 Full (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)
		5150.02	57.46	-92.54	150	45.67	31.8	10	30.01	280	66	P	H
		5149.24	48.05	-5.95	54	36.26	31.8	10	30.01	280	66	A	H
	*	5190	100.29	-	-	88.7	31.56	10.04	30.01	280	66	P	H
	*	5190	91.87	-	-	80.28	31.56	10.04	30.01	280	66	A	H
802.11ax		5431.44	50.21	-23.79	74	38.43	31.53	10.24	29.99	280	66	P	H
HE40 Full		5439.28	43.61	-10.39	54	31.8	31.56	10.24	29.99	280	66	A	H
CH 38		5148.72	59.09	-14.91	74	47.3	31.8	10	30.01	100	91	P	V
5190MHz		5149.5	49.75	-4.25	54	37.96	31.8	10	30.01	100	91	A	V
	*	5190	101.3	-	-	89.71	31.56	10.04	30.01	100	91	P	V
	*	5190	93.82	-	-	82.23	31.56	10.04	30.01	100	91	A	V
		5367.88	50.37	-23.63	74	38.98	31.21	10.18	30	100	91	P	V
		5403.44	43.68	-10.32	54	32.06	31.41	10.21	30	100	91	A	V
		5134.16	52.6	-21.4	74	40.83	31.8	9.98	30.01	100	307	P	H
		5131.56	44.69	-9.31	54	32.92	31.8	9.98	30.01	100	307	A	H
	*	5230	102.09	-	-	90.71	31.32	10.07	30.01	100	307	P	H
	*	5230	93.16	-	-	81.78	31.32	10.07	30.01	100	307	A	H
802.11ax		5429.48	52.18	-21.82	74	40.41	31.52	10.24	29.99	100	307	P	H
HE40 Full		5422.48	44.24	-9.76	54	32.51	31.49	10.23	29.99	100	307	A	H
CH 46		5146.9	52.23	-21.77	74	40.45	31.8	9.99	30.01	273	264	P	V
5230MHz		5106.86	44.35	-9.65	54	32.61	31.8	9.95	30.01	273	264	A	V
	*	5230	104.06	-	-	92.68	31.32	10.07	30.01	273	264	P	V
	*	5230	96.11	-	-	84.73	31.32	10.07	30.01	273	264	A	V
		5426.12	50.88	-23.12	74	39.14	31.5	10.23	29.99	273	264	P	V
		5434.8	44.35	-9.65	54	32.56	31.54	10.24	29.99	273	264	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	48.12	-20.08	68.2	55.06	39.52	14.47	60.93	100	0	P	H
		15570	46.65	-27.35	74	54.15	37.76	17.3	62.56	100	0	P	H
802.11ax													H
HE40 Full													H
CH 38		10380	46.73	-21.47	68.2	53.67	39.52	14.47	60.93	100	0	P	V
5190MHz		15570	46.35	-27.65	74	53.85	37.76	17.3	62.56	100	0	P	V
													V
													V
		10460	46.94	-21.26	68.2	53.81	39.66	14.51	61.04	100	0	P	H
		15690	47.09	-26.91	74	54.27	37.43	17.38	61.99	100	0	P	H
802.11ax													H
HE40 Full													H
CH 46		10460	47.02	-21.18	68.2	53.89	39.66	14.51	61.04	100	0	P	V
5230MHz		15690	46.23	-27.77	74	53.41	37.43	17.38	61.99	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)
		5084.32	51.93	-22.07	74	40.24	31.77	9.93	30.01	100	309	P	H
		5092.14	44.98	-9.02	54	33.27	31.78	9.94	30.01	100	309	A	H
	*	5290	96.19	-	-	84.87	31.2	10.12	30	100	309	P	H
	*	5290	88.77	-	-	77.45	31.2	10.12	30	100	309	A	H
802.11ac		5355.84	54.36	-19.64	74	43.05	31.14	10.17	30	100	309	P	H
VHT80		5363.52	47.59	-6.41	54	36.23	31.18	10.18	30	100	309	A	H
CH 58		5077.52	51.69	-22.31	74	40.03	31.76	9.92	30.02	243	264	P	V
5290MHz		5031.96	44.28	-9.72	54	32.87	31.56	9.87	30.02	243	264	A	V
	*	5290	98.67	-	-	87.35	31.2	10.12	30	243	264	P	V
	*	5290	92.31	-	-	80.99	31.2	10.12	30	243	264	A	V
		5358	56.72	-17.28	74	45.39	31.15	10.18	30	243	264	P	V
		5363.04	50.14	-3.86	54	38.78	31.18	10.18	30	243	264	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	47.72	-20.48	68.2	54.55	39.7	14.57	61.1	100	0	P	H
		15870	47.41	-26.59	74	53.87	37.17	17.49	61.12	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	47.35	-20.85	68.2	54.18	39.7	14.57	61.1	100	0	P	V
5290MHz		15870	46.45	-27.55	74	52.91	37.17	17.49	61.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (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)
		5049.98	51.51	-22.49	74	39.94	31.7	9.89	30.02	197	308	P	H
		5095.88	42.36	-11.64	54	30.64	31.79	9.94	30.01	197	308	A	H
	*	5260	103.91	-	-	92.61	31.2	10.1	30	197	308	P	H
	*	5260	95.49	-	-	84.19	31.2	10.1	30	197	308	A	H
802.11ax		5398.56	51.22	-22.78	74	39.62	31.39	10.21	30	197	308	P	H
HE20 Full		5440.32	42.54	-11.46	54	30.73	31.56	10.24	29.99	197	308	A	H
CH 52		5081.94	51.52	-22.48	74	39.85	31.76	9.93	30.02	238	265	P	V
5260MHz		5092.14	42.63	-11.37	54	30.92	31.78	9.94	30.01	238	265	A	V
	*	5260	106.54	-	-	95.24	31.2	10.1	30	238	265	P	V
	*	5260	98.15	-	-	86.85	31.2	10.1	30	238	265	A	V
		5430.72	51.48	-22.52	74	39.71	31.52	10.24	29.99	238	265	P	V
		5424.96	42.69	-11.31	54	30.95	31.5	10.23	29.99	238	265	A	V
		5086.7	52.39	-21.61	74	40.7	31.77	9.93	30.01	100	311	P	H
		5053.38	42.75	-11.25	54	31.16	31.71	9.9	30.02	100	311	A	H
	*	5300	105.07	-	-	93.74	31.2	10.13	30	100	311	P	H
	*	5300	95.56	-	-	84.23	31.2	10.13	30	100	311	A	H
802.11ax		5352	51.58	-22.42	74	40.3	31.11	10.17	30	100	311	P	H
HE20 Full		5459.76	42.78	-11.22	54	30.91	31.6	10.26	29.99	100	311	A	H
CH 60		5106.42	51.79	-22.21	74	40.05	31.8	9.95	30.01	249	262	P	V
5300MHz		5142.8	42.56	-11.44	54	30.78	31.8	9.99	30.01	249	262	A	V
	*	5300	106.94	-	-	95.61	31.2	10.13	30	249	262	P	V
	*	5300	107.74	-	-	96.41	31.2	10.13	30	249	262	A	V
		5353.44	54.16	-19.84	74	42.87	31.12	10.17	30	249	262	P	V
		5353.44	43.39	-10.61	54	32.1	31.12	10.17	30	249	262	A	V

	*	5320	107.7	-	-	96.39	31.16	10.15	30	247	311	P	H
	*	5320	98.09	-	-	86.78	31.16	10.15	30	247	311	A	H
		5352	60.24	-13.76	74	48.96	31.11	10.17	30	247	311	P	H
		5350.08	45.49	-8.51	54	34.22	31.1	10.17	30	247	311	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	108.45	-	-	97.14	31.16	10.15	30	255	263	P	V
5320MHz	*	5320	100.15	-	-	88.84	31.16	10.15	30	255	263	A	V
		5350.4	58.21	-15.79	74	46.94	31.1	10.17	30	255	263	P	V
		5352	44.64	-9.36	54	33.36	31.11	10.17	30	255	263	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 802.11ax HE20 Full (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	46.61	-21.59	68.2	53.47	39.7	14.54	61.1	100	0	P	H
		15780	46.92	-27.08	74	53.88	37.16	17.44	61.56	100	0	P	H
802.11ax													H
HE20 Full													H
CH 52		10520	46	-22.2	68.2	52.86	39.7	14.54	61.1	100	0	P	V
5260MHz		15780	46.13	-27.87	74	53.09	37.16	17.44	61.56	100	0	P	V
													V
													V
		10600	48.31	-25.69	74	55.13	39.7	14.58	61.1	100	0	P	H
		15900	45.61	-28.39	74	51.89	37.2	17.5	60.98	100	0	P	H
802.11ax													H
HE20 Full													H
CH 60		10600	48.27	-25.73	74	55.09	39.7	14.58	61.1	100	0	P	V
5300MHz		15900	46.3	-27.7	74	52.58	37.2	17.5	60.98	100	0	P	V
													V
													V
		10640	47.69	-26.31	74	54.41	39.78	14.6	61.1	100	0	P	H
		15960	45.55	-28.45	74	51.44	37.26	17.54	60.69	100	0	P	H
802.11ax													H
HE20 Full													H
CH 64		10640	48.85	-25.15	74	55.57	39.78	14.6	61.1	100	0	P	V
5320MHz		15960	47.66	-26.34	74	53.55	37.26	17.54	60.69	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 802.11ax HE40 Full (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)
		5011.56	50.61	-23.39	74	39.39	31.39	9.85	30.02	100	42	P	H
		5125.12	43.67	-10.33	54	31.91	31.8	9.97	30.01	100	42	A	H
	*	5270	99.42	-	-	88.11	31.2	10.11	30	100	42	P	H
	*	5270	91.05	-	-	79.74	31.2	10.11	30	100	42	A	H
802.11ax		5458.08	51.08	-22.92	74	39.21	31.6	10.26	29.99	100	42	P	H
HE40 Full		5446.08	44.17	-9.83	54	32.33	31.58	10.25	29.99	100	42	A	H
CH 54		5071.06	51	-23	74	39.37	31.74	9.91	30.02	100	85		V
5270MHz		5095.2	43.88	-10.12	54	32.16	31.79	9.94	30.01	100	85	P	V
	*	5270	103.72	-	-	92.41	31.2	10.11	30	100	85	A	V
	*	5270	96.27	-	-	84.96	31.2	10.11	30	100	85	P	V
		5397.6	51.18	-22.82	74	39.58	31.39	10.21	30	100	85	A	V
		5398.08	44.34	-9.66	54	32.74	31.39	10.21	30	100	85	P	V
		5074.8	50.67	-23.33	74	39.02	31.75	9.92	30.02	100	43	P	H
		5134.3	44.3	-9.7	54	32.53	31.8	9.98	30.01	100	43	A	H
	*	5310	100.41	-	-	89.09	31.18	10.14	30	100	43	P	H
	*	5310	92.69	-	-	81.37	31.18	10.14	30	100	43	A	H
802.11ax		5350.56	58.26	-15.74	74	46.99	31.1	10.17	30	100	43	P	H
HE40 Full		5350.56	48.58	-5.42	54	37.31	31.1	10.17	30	100	43	A	H
CH 62		5092.14	50.53	-23.47	74	38.82	31.78	9.94	30.01	100	93	P	V
5310MHz		5106.76	43.9	-10.1	54	32.16	31.8	9.95	30.01	100	93	A	V
	*	5310	103.56	-	-	92.24	31.18	10.14	30	100	93	P	V
	*	5310	95.99	-	-	84.67	31.18	10.14	30	100	93	A	V
		5350.32	61.06	-12.94	74	49.79	31.1	10.17	30	100	93	P	V
		5351.04	51.2	-2.8	54	39.92	31.11	10.17	30	100	93	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (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	46.76	-21.44	68.2	53.61	39.7	14.55	61.1	100	0	P	H
		15810	45.33	-28.67	74	52.18	37.11	17.45	61.41	100	0	P	H
802.11ax													H
HE40 Full													H
CH 54		10540	46.55	-21.65	68.2	53.4	39.7	14.55	61.1	100	0	P	V
5270MHz		15810	45.56	-28.44	74	52.41	37.11	17.45	61.41	100	0	P	V
													V
													V
		10620	47.12	-26.88	74	53.89	39.74	14.59	61.1	100	0	P	H
		15930	46.29	-27.71	74	52.37	37.23	17.53	60.84	100	0	P	H
802.11ax													H
HE40 Full													H
CH 62		10620	48.66	-25.34	74	55.43	39.74	14.59	61.1	100	0	P	V
5310MHz		15930	45.64	-28.36	74	51.72	37.23	17.53	60.84	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)
		5453.92	51.7	-22.3	74	39.83	31.6	10.26	29.99	283	64	P	H
		5465.44	51.94	-16.26	68.2	40.06	31.6	10.27	29.99	283	64	P	H
		5452.72	44.34	-9.66	54	32.48	31.6	10.25	29.99	283	64	A	H
	*	5530	92.86	-	-	81.01	31.54	10.32	30.01	283	64	P	H
802.11ac	*	5530	86.31	-	-	74.46	31.54	10.32	30.01	283	64	A	H
VHT80		5754.605	50.88	-17.32	68.2	38.7	31.8	10.55	30.17	283	64	P	H
CH 106		5433.52	52.74	-21.26	74	40.96	31.53	10.24	29.99	100	94	P	V
5530MHz		5467.36	53.24	-14.96	68.2	41.36	31.6	10.27	29.99	100	94	P	V
		5453.2	45.63	-8.37	54	33.76	31.6	10.26	29.99	100	94	A	V
	*	5530	97.86	-	-	86.01	31.54	10.32	30.01	100	94	P	V
	*	5530	90.52	-	-	78.67	31.54	10.32	30.01	100	94	A	V
		5750.825	51.05	-17.15	68.2	38.87	31.8	10.55	30.17	100	94	P	V
		5407.84	51.5	-22.5	74	39.85	31.43	10.22	30	270	45	P	H
		5468.32	50.83	-17.37	68.2	38.95	31.6	10.27	29.99	270	45	P	H
		5441.44	43.86	-10.14	54	32.03	31.57	10.25	29.99	270	45	A	H
	*	5610	94.59	-	-	82.65	31.62	10.39	30.07	270	45	P	H
802.11ac	*	5610	87.52	-	-	75.58	31.62	10.39	30.07	270	45	A	H
VHT80		5755.865	51.87	-16.33	68.2	39.69	31.8	10.55	30.17	270	45	P	H
CH 122		5450.32	52.37	-21.63	74	40.51	31.6	10.25	29.99	100	93	P	V
5610MHz		5465.2	51.28	-16.92	68.2	39.4	31.6	10.27	29.99	100	93	P	V
		5458.72	44.06	-9.94	54	32.19	31.6	10.26	29.99	100	93	A	V
	*	5610	96.64	-	-	84.7	31.62	10.39	30.07	100	93	P	V
	*	5610	90.13	-	-	78.19	31.62	10.39	30.07	100	93	A	V
		5726.57	50.73	-17.47	68.2	38.61	31.75	10.52	30.15	100	93	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	49.04	-24.96	74	55.02	40.28	14.82	61.08	100	0	P	H
		16590	47.97	-20.23	68.2	50.5	38.81	18.01	59.35	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	49.06	-24.94	74	55.04	40.28	14.82	61.08	100	0	P	V
5530MHz		16590	47.98	-20.22	68.2	50.51	38.81	18.01	59.35	100	0	P	V
													V
													V
		11220	47.99	-26.01	74	54.28	39.82	14.9	61.01	100	0	P	H
		16830	50.9	-17.3	68.2	51.59	40.33	18.18	59.2	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	48.25	-25.75	74	54.54	39.82	14.9	61.01	100	0	P	V
5610MHz		16830	49.35	-18.85	68.2	50.04	40.33	18.18	59.2	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Full (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)
		5454.8	51.88	-22.12	74	40.01	31.6	10.26	29.99	354	126	P	H
		5470	51.75	-16.45	68.2	39.87	31.6	10.27	29.99	354	126	P	H
		5439.76	45.75	-8.25	54	33.94	31.56	10.24	29.99	354	126	A	H
	*	5500	103.3	-	-	91.39	31.6	10.3	29.99	354	126	P	H
802.11ax	*	5500	93.48	-	-	81.57	31.6	10.3	29.99	354	126	A	H
HE20 Full													H
CH 100		5457.84	52.71	-21.29	74	40.84	31.6	10.26	29.99	100	93	P	V
5500MHz		5466.16	53.73	-14.47	68.2	41.85	31.6	10.27	29.99	100	93	P	V
		5451.6	46.36	-7.64	54	34.5	31.6	10.25	29.99	100	93	A	V
	*	5500	106.69	-	-	94.78	31.6	10.3	29.99	100	93	P	V
	*	5500	96.49	-	-	84.58	31.6	10.3	29.99	100	93	A	V
													V
		5432.62	52.31	-21.69	74	40.53	31.53	10.24	29.99	100	303	P	H
		5465.83	51.09	-17.11	68.2	39.21	31.6	10.27	29.99	100	303	P	H
		5456.65	42.46	-11.54	54	30.59	31.6	10.26	29.99	100	303	A	H
	*	5580	105.06	-	-	93.19	31.56	10.36	30.05	100	303	P	H
802.11ax	*	5580	96.63	-	-	84.76	31.56	10.36	30.05	100	303	A	H
HE20 Full		5738.855	51.2	-17	68.2	39.05	31.78	10.53	30.16	100	303	P	H
CH 116		5413.99	51.78	-22.22	74	40.1	31.46	10.22	30	239	261	P	V
5580MHz		5468.8	51.34	-16.86	68.2	39.46	31.6	10.27	29.99	239	261	P	V
		5434.24	42.65	-11.35	54	30.86	31.54	10.24	29.99	239	261	A	V
	*	5580	109.26	-	-	97.39	31.56	10.36	30.05	239	261	P	V
	*	5580	100.46	-	-	88.59	31.56	10.36	30.05	239	261	A	V
		5750.825	51.46	-16.74	68.2	39.28	31.8	10.55	30.17	239	261	P	V

	*	5700	102.74	-	-	90.68	31.7	10.49	30.13	328	128	P	H
	*	5700	93.28	-	-	81.22	31.7	10.49	30.13	328	128	A	H
		5725.08	55.62	-12.58	68.2	43.5	31.75	10.52	30.15	328	128	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	103.86	-	-	91.8	31.7	10.49	30.13	100	275	P	V
5700MHz	*	5700	93.71	-	-	81.65	31.7	10.49	30.13	100	275	A	V
		5726.28	55.24	-12.96	68.2	43.12	31.75	10.52	30.15	100	275	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 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	49.05	-24.95	74	54.96	40.4	14.79	61.1	100	0	P	H
		16500	47.95	-20.25	68.2	50.51	38.9	17.94	59.4	100	0	P	H
802.11ax													H
HE20 Full													H
CH 100		11000	49.35	-24.65	74	55.26	40.4	14.79	61.1	100	0	P	V
5500MHz		16500	48.3	-19.9	68.2	50.86	38.9	17.94	59.4	100	0	P	V
													V
													V
		11160	48.52	-25.48	74	54.73	39.96	14.87	61.04	100	0	P	H
		16740	49.41	-18.79	68.2	50.61	39.94	18.12	59.26	100	0	P	H
802.11ax													H
HE20 Full													H
CH 116		11160	48.56	-25.44	74	54.77	39.96	14.87	61.04	100	0	P	V
5580MHz		16740	48.94	-19.26	68.2	50.14	39.94	18.12	59.26	100	0	P	V
													V
													V
		11400	48.47	-25.53	74	54.42	40	14.99	60.94	100	0	P	H
		17100	50.79	-17.41	68.2	50.79	40.6	18.38	58.98	100	0	P	H
802.11ax													H
HE20 Full													H
CH 140		11400	47.85	-26.15	74	53.8	40	14.99	60.94	100	0	P	V
5700MHz		17100	49.64	-18.56	68.2	49.64	40.6	18.38	58.98	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 802.11ax HE40 Full (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	52.98	-21.02	74	41.11	31.6	10.26	29.99	314	66	P	H
		5469.76	56.42	-11.78	68.2	44.54	31.6	10.27	29.99	314	66	P	H
		5454.88	44.98	-9.02	54	33.11	31.6	10.26	29.99	314	66	A	H
	*	5510	99.62	-	-	87.74	31.58	10.3	30	314	66	P	H
802.11ax	*	5510	93.02	-	-	81.14	31.58	10.3	30	314	66	A	H
HE40 Full		5729.405	50.58	-17.62	68.2	38.46	31.76	10.52	30.16	314	66	P	H
CH 102		5459.44	56.97	-17.03	74	45.1	31.6	10.26	29.99	100	93	P	V
5510MHz		5469.28	63.37	-4.83	68.2	51.49	31.6	10.27	29.99	100	93	P	V
		5458.72	46.43	-7.57	54	34.56	31.6	10.26	29.99	100	93	A	V
	*	5510	104.95	-	-	93.07	31.58	10.3	30	100	93	P	V
	*	5510	97.38	-	-	85.5	31.58	10.3	30	100	93	A	V
		5737.91	51.22	-16.98	68.2	39.07	31.78	10.53	30.16	100	93	P	V
		5436.88	51.57	-22.43	74	39.77	31.55	10.24	29.99	278	65	P	H
		5461.12	51.57	-16.63	68.2	39.7	31.6	10.26	29.99	278	65	P	H
		5454.88	44.18	-9.82	54	32.31	31.6	10.26	29.99	278	65	A	H
	*	5550	100.77	-	-	88.96	31.5	10.34	30.03	278	65	P	H
802.11ax	*	5550	93.19	-	-	81.38	31.5	10.34	30.03	278	65	A	H
HE40 Full		5740.43	50.65	-17.55	68.2	38.5	31.78	10.53	30.16	278	65	P	H
CH 110		5438.32	51.74	-22.26	74	39.94	31.55	10.24	29.99	100	93	P	V
5550MHz		5469.76	51.65	-16.55	68.2	39.77	31.6	10.27	29.99	100	93	P	V
		5458.48	44.28	-9.72	54	32.41	31.6	10.26	29.99	100	93	A	V
	*	5550	104.28	-	-	92.47	31.5	10.34	30.03	100	93	P	V
	*	5550	97.3	-	-	85.49	31.5	10.34	30.03	100	93	A	V
		5730.35	51.9	-16.3	68.2	39.78	31.76	10.52	30.16	100	93	P	V

		5419.3	51.72	-22.28	74	40	31.48	10.23	29.99	300	45	P	H
		5466.9	50.5	-17.7	68.2	38.62	31.6	10.27	29.99	300	45	P	H
		5445.55	44.07	-9.93	54	32.23	31.58	10.25	29.99	300	45	A	H
	*	5670	99.86	-	-	87.81	31.7	10.46	30.11	300	45	P	H
802.11ax	*	5670	93.15	-	-	81.1	31.7	10.46	30.11	300	45	A	H
HE40 Full		5729.825	52.66	-15.54	68.2	40.54	31.76	10.52	30.16	300	45	P	H
CH 134		5441	51.41	-22.59	74	39.6	31.56	10.24	29.99	100	92	P	V
5670MHz		5469.7	51.04	-17.16	68.2	39.16	31.6	10.27	29.99	100	92	P	V
		5421.75	44.23	-9.77	54	32.5	31.49	10.23	29.99	100	92	A	V
	*	5670	102.95	-	-	90.9	31.7	10.46	30.11	100	92	P	V
	*	5670	95.6	-	-	83.55	31.7	10.46	30.11	100	92	A	V
		5733.85	53.49	-14.71	68.2	41.35	31.77	10.53	30.16	100	92	P	V

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

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (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	49.98	-24.02	74	55.91	40.36	14.8	61.09	100	0	P	H
		16530	48.37	-19.83	68.2	50.92	38.87	17.96	59.38	100	0	P	H
802.11ax													H
HE40 Full													H
CH 102		11020	48.79	-25.21	74	54.72	40.36	14.8	61.09	100	0	P	V
5510MHz		16530	47.23	-20.97	68.2	49.78	38.87	17.96	59.38	100	0	P	V
													V
													V
		11100	48.68	-25.32	74	54.7	40.2	14.84	61.06	100	0	P	H
		16650	47.69	-20.51	68.2	49.7	39.25	18.05	59.31	100	0	P	H
802.11ax													H
HE40 Full													H
CH 110		11100	48.37	-25.63	74	54.39	40.2	14.84	61.06	100	0	P	V
5550MHz		16650	48.75	-19.45	68.2	50.76	39.25	18.05	59.31	100	0	P	V
													V
													V
		11340	48.42	-25.58	74	54.48	39.94	14.96	60.96	100	0	P	H
		17010	50.17	-18.03	68.2	50.34	40.6	18.32	59.09	100	0	P	H
802.11ax													H
HE40 Full													H
CH 134		11340	47.7	-26.3	74	53.76	39.94	14.96	60.96	100	0	P	V
5670MHz		17010	49.62	-18.58	68.2	49.79	40.6	18.32	59.09	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

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 138 5690MHz		5456.08	51.42	-22.58	74	39.55	31.6	10.26	29.99	273	45	P	H
		5462.32	50.16	-18.04	68.2	38.29	31.6	10.26	29.99	273	45	P	H
		5443.99	43.76	-10.24	54	31.92	31.58	10.25	29.99	273	45	A	H
	*	5690	94.32	-	-	82.27	31.7	10.48	30.13	273	45	P	H
	*	5690	87.32	-	-	75.27	31.7	10.48	30.13	273	45	A	H
		5873.5	51.77	-16.43	68.2	39.33	32.05	10.65	30.26	273	45	P	H
		5420.2	51.51	-22.49	74	39.79	31.48	10.23	29.99	100	93	P	V
		5462.71	51.02	-17.18	68.2	39.15	31.6	10.26	29.99	100	93	P	V
		5433.46	43.84	-10.16	54	32.06	31.53	10.24	29.99	100	93	A	V
	*	5690	95.66	-	-	83.61	31.7	10.48	30.13	100	93	P	V
	*	5690	89.05	-	-	77	31.7	10.48	30.13	100	93	A	V
		5886.7	52.33	-15.87	68.2	39.87	32.07	10.66	30.27	100	93	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac 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	48.12	-25.88	74	54.11	39.98	14.98	60.95	100	0	P	H
		17070	49.93	-18.27	68.2	49.99	40.6	18.36	59.02	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	48.4	-25.6	74	54.39	39.98	14.98	60.95	100	0	P	V
5690MHz		17070	49.98	-18.22	68.2	50.04	40.6	18.36	59.02	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 802.11ax HE20 Full (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)
802.11ax HE20 Full CH 144 5720MHz		5425.66	51.51	-22.49	74	39.77	31.5	10.23	29.99	100	305	P	H
		5467	51.6	-16.6	68.2	39.72	31.6	10.27	29.99	100	305	P	H
		5436.19	42.43	-11.57	54	30.64	31.54	10.24	29.99	100	305	A	H
	*	5720	102.47	-	-	90.37	31.74	10.51	30.15	100	305	P	H
	*	5720	94.34	-	-	82.24	31.74	10.51	30.15	100	305	A	H
		5910.75	51.67	-16.53	68.2	39.16	32.12	10.68	30.29	100	305	P	H
		5417.47	50.61	-23.39	74	38.91	31.47	10.22	29.99	253	267	P	V
		5469.73	49.98	-18.22	68.2	38.1	31.6	10.27	29.99	253	267	P	V
		5417.08	42.37	-11.63	54	30.67	31.47	10.22	29.99	253	267	A	V
	*	5720	105.78	-	-	93.68	31.74	10.51	30.15	253	267	P	V
	*	5720	97.02	-	-	84.92	31.74	10.51	30.15	253	267	A	V
		5924	53.71	-14.49	68.2	41.17	32.15	10.69	30.3	253	267	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (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	47.66	-26.34	74	53.53	40.04	15.01	60.92	100	0	P	H
		17160	49.88	-18.32	68.2	49.64	40.72	18.43	58.91	100	0	P	H
802.11ax													H
HE20 Full													H
CH 144		11440	48.06	-25.94	74	53.93	40.04	15.01	60.92	100	0	P	V
5720MHz		17160	51.03	-17.17	68.2	50.79	40.72	18.43	58.91	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 - Straddle Channel

WIFI 802.11ax HE40 Full (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)
802.11ax HE40 Full CH 142 5710MHz		5408.89	50.61	-23.39	74	38.95	31.44	10.22	30	100	226	P	H
		5463.88	49.32	-18.88	68.2	37.45	31.6	10.26	29.99	100	226	P	H
		5449.45	43.69	-10.31	54	31.83	31.6	10.25	29.99	100	226	A	H
	*	5710	99.71	-	-	87.63	31.72	10.5	30.14	100	226	P	H
	*	5710	91.88	-	-	79.8	31.72	10.5	30.14	100	226	A	H
		5922	52.8	-15.4	68.2	40.26	32.14	10.69	30.29	100	226	P	H
		5436.19	52.01	-21.99	74	40.22	31.54	10.24	29.99	248	266	P	V
		5462.32	50	-18.2	68.2	38.13	31.6	10.26	29.99	248	266	P	V
		5445.94	44.08	-9.92	54	32.24	31.58	10.25	29.99	248	266	A	V
	*	5710	102.23	-	-	90.15	31.72	10.5	30.14	248	266	P	V
	*	5710	94.24	-	-	82.16	31.72	10.5	30.14	248	266	A	V
		5927	52.34	-15.86	68.2	39.8	32.15	10.69	30.3	248	266	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (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	48.24	-25.76	74	54.15	40.02	15	60.93	100	0	P	H
		17130	49.74	-18.46	68.2	49.62	40.66	18.4	58.94	100	0	P	H
802.11ax													H
HE40 Full													H
CH 142		11420	47.62	-26.38	74	53.53	40.02	15	60.93	100	0	P	V
5710MHz		17130	50.21	-17.99	68.2	50.09	40.66	18.4	58.94	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 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		59.1	22.26	-17.74	40	41.87	11.9	1.04	32.55	-	-	P	H
		197.81	37.08	-6.42	43.5	52.63	14.85	2.04	32.44	-	-	P	H
		256.98	38.91	-7.09	46	49.6	19.42	2.3	32.41	100	292	Q	H
		593.57	38.94	-7.06	46	42.43	25.61	3.37	32.47	-	-	P	H
		725.49	34.42	-11.58	46	36.13	27.08	3.66	32.45	-	-	P	H
		891.36	34.81	-11.19	46	33.5	28.84	4.14	31.67	-	-	P	H
													H
													H
													H
													H
													H
													H
		89.17	27.47	-16.03	43.5	44.11	14.52	1.34	32.5	-	-	P	V
		197.81	31.52	-11.98	43.5	47.07	14.85	2.04	32.44	-	-	P	V
		268.62	33.1	-12.9	46	43.88	19.33	2.32	32.43	-	-	P	V
		593.57	34.13	-11.87	46	37.62	25.61	3.37	32.47	-	-	P	V
		718.7	34.31	-11.69	46	36.32	26.81	3.63	32.45	-	-	P	V
		896.21	37.72	-8.28	46	36.35	28.87	4.15	31.65	100	0	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<220370-09 >

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		5144.56	53.14	-20.86	74	41.36	31.8	9.99	30.01	301	3	P	H
		5150	43.01	-10.99	54	31.22	31.8	10	30.01	301	3	A	H
	*	5180	103.64	-	-	92	31.62	10.03	30.01	301	3	P	H
	*	5180	95.91	-	-	84.27	31.62	10.03	30.01	301	3	A	H
													H
													H
		5149.76	58.96	-15.04	74	47.17	31.8	10	30.01	226	21	P	V
		5150	47.14	-6.86	54	35.35	31.8	10	30.01	226	21	A	V
	*	5180	108.08	-	-	96.44	31.62	10.03	30.01	226	21	P	V
	*	5180	100.53	-	-	88.89	31.62	10.03	30.01	226	21	A	V
													V
													V
802.11a CH 44 5220MHz		5017.16	52.37	-21.63	74	41.09	31.44	9.86	30.02	301	351	P	H
		5132.08	40.81	-13.19	54	29.04	31.8	9.98	30.01	301	351	A	H
	*	5220	101.14	-	-	89.7	31.38	10.07	30.01	301	351	P	H
	*	5220	93.81	-	-	82.37	31.38	10.07	30.01	301	351	A	H
		5438.16	51.13	-22.87	74	39.33	31.55	10.24	29.99	301	351	P	H
		5454.68	40.7	-13.3	54	28.83	31.6	10.26	29.99	301	351	A	H
		5148.72	51.85	-22.15	74	40.06	31.8	10	30.01	277	53	P	V
		5133.12	41.76	-12.24	54	29.99	31.8	9.98	30.01	277	53	A	V
	*	5220	109.68	-	-	98.24	31.38	10.07	30.01	277	53	P	V
	*	5220	101.2	-	-	89.76	31.38	10.07	30.01	277	53	A	V
		5426.12	51.29	-22.71	74	39.55	31.5	10.23	29.99	277	53	P	V
		5430.6	41.05	-12.95	54	29.28	31.52	10.24	29.99	277	53	A	V

802.11a CH 48 5240MHz		5074.88	52.16	-21.84	74	40.51	31.75	9.92	30.02	299	350	P	H
		5130.26	40.75	-13.25	54	28.98	31.8	9.98	30.01	299	350	A	H
	*	5240	101.52	-	-	90.19	31.26	10.08	30.01	299	350	P	H
	*	5240	94.21	-	-	82.88	31.26	10.08	30.01	299	350	A	H
		5374.04	51.32	-22.68	74	39.89	31.24	10.19	30	299	350	P	H
		5454.96	40.79	-13.21	54	28.92	31.6	10.26	29.99	299	350	A	H
		5101.66	51.27	-22.73	74	39.53	31.8	9.95	30.01	274	56	P	V
		5149.76	41.23	-12.77	54	29.44	31.8	10	30.01	274	56	A	V
	*	5240	108.65	-	-	97.32	31.26	10.08	30.01	274	56	P	V
	*	5240	101.16	-	-	89.83	31.26	10.08	30.01	274	56	A	V
		5402.88	51.13	-22.87	74	39.51	31.41	10.21	30	274	56	P	V
		5453.84	41.14	-12.86	54	29.27	31.6	10.26	29.99	274	56	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (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	48.71	-19.49	68.2	55.71	39.44	14.46	60.9	100	0	P	H
		15540	48.11	-25.89	74	55.71	37.82	17.29	62.71	100	0	P	H
													H
													H
		10360	49.39	-18.81	68.2	56.39	39.44	14.46	60.9	100	0	P	V
		15540	48.73	-25.27	74	56.33	37.82	17.29	62.71	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	48.73	-19.47	68.2	55.61	39.64	14.5	61.02	100	0	P	H
		15660	46.76	-27.24	74	54.01	37.52	17.36	62.13	100	0	P	H
													H
													H
		10440	47.37	-20.83	68.2	54.25	39.64	14.5	61.02	100	0	P	V
		15660	47.02	-26.98	74	54.27	37.52	17.36	62.13	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	48.31	-19.89	68.2	55.18	39.68	14.52	61.07	100	0	P	H
		15720	47.49	-26.51	74	54.59	37.34	17.4	61.84	100	0	P	H
													H
													H
		10480	47.69	-20.51	68.2	54.56	39.68	14.52	61.07	100	0	P	V
		15720	46.64	-27.36	74	53.74	37.34	17.4	61.84	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5056.1	51.3	-22.7	74	39.71	31.71	9.9	30.02	293	352	P	H
		5102.68	40.75	-13.25	54	29.01	31.8	9.95	30.01	293	352	A	H
	*	5260	101.42	-	-	90.12	31.2	10.1	30	293	352	P	H
	*	5260	93.93	-	-	82.63	31.2	10.1	30	293	352	A	H
		5424.96	51.75	-22.25	74	40.01	31.5	10.23	29.99	293	352	P	H
		5458.08	40.73	-13.27	54	28.86	31.6	10.26	29.99	293	352	A	H
		5119.34	51.84	-22.16	74	40.08	31.8	9.97	30.01	275	55	P	V
		5103.02	41.21	-12.79	54	29.47	31.8	9.95	30.01	275	55	A	V
	*	5260	107.7	-	-	96.4	31.2	10.1	30	275	55	P	V
	*	5260	100.34	-	-	89.04	31.2	10.1	30	275	55	A	V
		5427.12	51.31	-22.69	74	39.56	31.51	10.23	29.99	275	55	P	V
		5426.88	40.87	-13.13	54	29.12	31.51	10.23	29.99	275	55	A	V
802.11a CH 60 5300MHz		5030.94	50.95	-23.05	74	39.55	31.55	9.87	30.02	271	352	P	H
		5131.58	40.73	-13.27	54	28.96	31.8	9.98	30.01	271	352	A	H
	*	5300	101.6	-	-	90.27	31.2	10.13	30	271	352	P	H
	*	5300	94.1	-	-	82.77	31.2	10.13	30	271	352	A	H
		5416.8	51.49	-22.51	74	39.79	31.47	10.22	29.99	271	352	P	H
		5455.2	40.76	-13.24	54	28.89	31.6	10.26	29.99	271	352	A	H
		5098.6	51.54	-22.46	74	39.81	31.8	9.94	30.01	288	43	P	V
		5132.26	41.05	-12.95	54	29.28	31.8	9.98	30.01	288	43	A	V
	*	5300	108.05	-	-	96.72	31.2	10.13	30	288	43	P	V
	*	5300	100.61	-	-	89.28	31.2	10.13	30	288	43	A	V
		5355.84	51.52	-22.48	74	40.21	31.14	10.17	30	288	43	P	V
		5353.44	41.94	-12.06	54	30.65	31.12	10.17	30	288	43	A	V

802.11a CH 64 5320MHz	*	5320	102.37	-	-	91.06	31.16	10.15	30	280	3	P	H
	*	5320	94.57	-	-	83.26	31.16	10.15	30	280	3	A	H
		5351.52	53.52	-20.48	74	42.24	31.11	10.17	30	280	3	P	H
		5350.56	41.15	-12.85	54	29.88	31.1	10.17	30	280	3	A	H
													H
													H
	*	5320	107.75	-	-	96.44	31.16	10.15	30	258	23	P	V
	*	5320	99.8	-	-	88.49	31.16	10.15	30	258	23	A	V
		5352.96	58.09	-15.91	74	46.8	31.12	10.17	30	258	23	P	V
		5350.08	43.53	-10.47	54	32.26	31.1	10.17	30	258	23	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	47.58	-20.62	68.2	54.44	39.7	14.54	61.1	100	0	P	H
		15780	46.76	-27.24	74	53.72	37.16	17.44	61.56	100	0	P	H
													H
													H
		10520	47.64	-20.56	68.2	54.5	39.7	14.54	61.1	100	0	P	V
		15780	46.96	-27.04	74	53.92	37.16	17.44	61.56	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.88	-26.12	74	54.7	39.7	14.58	61.1	100	0	P	H
		15900	46.08	-27.92	74	52.36	37.2	17.5	60.98	100	0	P	H
													H
													H
		10600	48.23	-25.77	74	55.05	39.7	14.58	61.1	100	0	P	V
		15900	46.74	-27.26	74	53.02	37.2	17.5	60.98	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	49.15	-24.85	74	55.87	39.78	14.6	61.1	100	0	P	H
		15960	46.35	-27.65	74	52.24	37.26	17.54	60.69	100	0	P	H
													H
													H
		10640	48.7	-25.3	74	55.42	39.78	14.6	61.1	100	0	P	V
		15960	46.47	-27.53	74	52.36	37.26	17.54	60.69	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5452.56	53.06	-20.94	74	41.2	31.6	10.25	29.99	338	5	P	H
		5468.56	59.58	-8.62	68.2	47.7	31.6	10.27	29.99	338	5	P	H
		5459.92	41.17	-12.83	54	29.3	31.6	10.26	29.99	338	5	A	H
	*	5500	98.21	-	-	86.3	31.6	10.3	29.99	338	5	P	H
	*	5500	90.44	-	-	78.53	31.6	10.3	29.99	338	5	A	H
													H
		5460.08	59.97	-8.23	68.2	48.1	31.6	10.26	29.99	251	32	P	V
		5466.48	64.94	-3.26	68.2	53.06	31.6	10.27	29.99	251	32	P	V
		5460	42.72	-11.28	54	30.85	31.6	10.26	29.99	251	32	A	V
	*	5500	104.83	-	-	92.92	31.6	10.3	29.99	251	32	P	V
	*	5500	97.12	-	-	85.21	31.6	10.3	29.99	251	32	A	V
													V
802.11a CH 116 5580MHz		5433.04	50.8	-23.2	74	39.02	31.53	10.24	29.99	311	352	P	H
		5465.44	50.54	-17.66	68.2	38.66	31.6	10.27	29.99	311	352	P	H
		5456.56	40.73	-13.27	54	28.86	31.6	10.26	29.99	311	352	A	H
	*	5580	99.79	-	-	87.92	31.56	10.36	30.05	311	352	P	H
	*	5580	92.32	-	-	80.45	31.56	10.36	30.05	311	352	A	H
		5749.25	50.99	-17.21	68.2	38.82	31.8	10.54	30.17	311	352	P	H
		5446.48	51.69	-22.31	74	39.84	31.59	10.25	29.99	264	333	P	V
		5469.52	51.14	-17.06	68.2	39.26	31.6	10.27	29.99	264	333	P	V
		5454.88	40.88	-13.12	54	29.01	31.6	10.26	29.99	264	333	A	V
	*	5580	106.09	-	-	94.22	31.56	10.36	30.05	264	333	P	V
	*	5580	98.49	-	-	86.62	31.56	10.36	30.05	264	333	A	V
		5740.745	51.4	-16.8	68.2	39.25	31.78	10.53	30.16	264	333	P	V

802.11a CH 140 5700MHz	*	5700	97.71	-	-	85.65	31.7	10.49	30.13	298	351	P	H
	*	5700	90.31	-	-	78.25	31.7	10.49	30.13	298	351	A	H
		5725.64	53.58	-14.62	68.2	41.46	31.75	10.52	30.15	298	351	P	H
													H
													H
													H
	*	5700	102.85	-	-	90.79	31.7	10.49	30.13	290	33	P	V
	*	5700	95.35	-	-	83.29	31.7	10.49	30.13	290	33	A	V
		5725	57.12	-11.08	68.2	45	31.75	10.52	30.15	290	33	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	49.41	-24.59	74	55.32	40.4	14.79	61.1	100	0	P	H
		16500	47.38	-20.82	68.2	49.94	38.9	17.94	59.4	100	0	P	H
													H
													H
		11000	49.38	-24.62	74	55.29	40.4	14.79	61.1	100	0	P	V
		16500	48.89	-19.31	68.2	51.45	38.9	17.94	59.4	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.21	-25.79	74	54.42	39.96	14.87	61.04	100	0	P	H
		16740	49.5	-18.7	68.2	50.7	39.94	18.12	59.26	100	0	P	H
													H
													H
		11160	49.19	-24.81	74	55.4	39.96	14.87	61.04	100	0	P	V
		16740	49.88	-18.32	68.2	51.08	39.94	18.12	59.26	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	49.18	-24.82	74	55.13	40	14.99	60.94	100	0	P	H
		17100	50.24	-17.96	68.2	50.24	40.6	18.38	58.98	100	0	P	H
													H
													H
		11400	48.1	-25.9	74	54.05	40	14.99	60.94	100	0	P	V
		17100	50	-18.2	68.2	50	40.6	18.38	58.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5452.57	51.18	-22.82	74	39.32	31.6	10.25	29.99	283	354	P	H
		5463.49	50.09	-18.11	68.2	38.22	31.6	10.26	29.99	283	354	P	H
		5458.81	40.67	-13.33	54	28.8	31.6	10.26	29.99	283	354	A	H
	*	5720	96.94	-	-	84.84	31.74	10.51	30.15	283	354	P	H
	*	5720	89.37	-	-	77.27	31.74	10.51	30.15	283	354	A	H
		5929.25	52.48	-15.72	68.2	39.93	32.16	10.69	30.3	283	354	P	H
		5392.51	51.29	-22.71	74	39.73	31.36	10.2	30	282	332	P	V
		5467.39	51.09	-17.11	68.2	39.21	31.6	10.27	29.99	282	332	P	V
		5455.69	40.76	-13.24	54	28.89	31.6	10.26	29.99	282	332	A	V
	*	5720	103.48	-	-	91.38	31.74	10.51	30.15	282	332	P	V
	*	5720	95.68	-	-	83.58	31.74	10.51	30.15	282	332	A	V
		5861.75	52.1	-16.1	68.2	39.69	32.02	10.64	30.25	282	332	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	49.09	-24.91	74	54.96	40.04	15.01	60.92	100	0	P	H
		17160	51.91	-16.29	68.2	51.67	40.72	18.43	58.91	100	0	P	H
													H
													H
		11440	48.15	-25.85	74	54.02	40.04	15.01	60.92	100	0	P	V
		17160	50.35	-17.85	68.2	50.11	40.72	18.43	58.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		59.1	24.04	-15.96	40	43.65	11.9	1.04	32.55	-	-	P	H
		157.07	26.73	-16.77	43.5	40.84	16.6	1.79	32.5	-	-	P	H
		197.81	31.79	-11.71	43.5	47.34	14.85	2.04	32.44	-	-	P	H
		327.79	36.08	-9.92	46	46.4	19.71	2.49	32.52	-	-	P	H
		593.57	37.3	-8.7	46	40.79	25.61	3.37	32.47	100	0	P	H
		726.46	33.75	-12.25	46	35.4	27.14	3.66	32.45	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		58.13	25.77	-14.23	40	45.35	11.94	1.03	32.55	100	0	P	V
		91.11	25.17	-18.33	43.5	41.63	14.69	1.35	32.5	-	-	P	V
		257.95	25.66	-20.34	46	36.2	19.57	2.3	32.41	-	-	P	V
		352.04	27.96	-18.04	46	37.44	20.48	2.57	32.53	-	-	P	V
		593.57	31.21	-14.79	46	34.7	25.61	3.37	32.47	-	-	P	V
		894.27	31.69	-14.31	46	30.34	28.86	4.15	31.66	-	-	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		5145.86	54.61	-19.39	74	42.83	31.8	9.99	30.01	292	294	P	H
		5126.1	46.77	-7.23	54	35.01	31.8	9.97	30.01	292	294	A	H
	*	5210	93.92	-	-	82.43	31.44	10.06	30.01	292	294	P	H
	*	5210	87.25	-	-	75.76	31.44	10.06	30.01	292	294	P	H
		5455.8	51.22	-22.78	74	39.35	31.6	10.26	29.99	292	294	P	H
		5396.72	43.73	-10.27	54	32.14	31.38	10.21	30	292	294	A	H
		5120.38	53.36	-20.64	74	41.6	31.8	9.97	30.01	399	330	P	V
		5142.48	46.26	-7.74	54	34.48	31.8	9.99	30.01	399	330	A	V
	*	5210	92.1	-	-	80.61	31.44	10.06	30.01	399	330	P	V
	*	5210	84.69	-	-	73.2	31.44	10.06	30.01	399	330	A	V
		5449.08	50.75	-23.25	74	38.89	31.6	10.25	29.99	399	330	P	V
		5442.92	43.68	-10.32	54	31.85	31.57	10.25	29.99	399	330	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	47.41	-20.79	68.2	54.29	39.62	14.49	60.99	100	0	P	H
		15630	46.84	-27.16	74	54.17	37.61	17.34	62.28	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.03	-20.17	68.2	54.91	39.62	14.49	60.99	100	0	P	V
5210MHz		15630	46.39	-27.61	74	53.72	37.61	17.34	62.28	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 802.11ax HE20 Full (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)
		5148.72	56.35	-17.65	74	44.56	31.8	10	30.01	297	294	P	H
		5149.5	45.36	-8.64	54	33.57	31.8	10	30.01	297	294	A	H
	*	5180	106.76	-	-	95.12	31.62	10.03	30.01	297	294	P	H
	*	5180	96.45	-	-	84.81	31.62	10.03	30.01	297	294	A	H
802.11ax													H
HE20 Full													H
CH 36		5148.72	54.15	-19.85	74	42.36	31.8	10	30.01	400	331	P	V
5180MHz		5150	44.41	-9.59	54	32.62	31.8	10	30.01	400	331	A	V
	*	5180	104.59	-	-	92.95	31.62	10.03	30.01	400	331	P	V
	*	5180	94.94	-	-	83.3	31.62	10.03	30.01	400	331	A	V
													V
													V
		5131.82	52.5	-21.5	74	40.73	31.8	9.98	30.01	100	306	P	H
		5147.68	43.06	-10.94	54	31.27	31.8	10	30.01	100	306	A	H
	*	5220	109.6	-	-	98.16	31.38	10.07	30.01	100	306	P	H
	*	5220	100.3	-	-	88.86	31.38	10.07	30.01	100	306	A	H
802.11ax		5372.36	51.91	-22.09	74	40.49	31.23	10.19	30	100	306	P	H
HE20 Full		5440.12	42.38	-11.62	54	30.57	31.56	10.24	29.99	100	306	A	H
CH 44		5107.38	52.11	-21.89	74	40.37	31.8	9.95	30.01	389	329	P	V
5220MHz		5101.66	42.74	-11.26	54	31	31.8	9.95	30.01	389	329	A	V
	*	5220	105.44	-	-	94	31.38	10.07	30.01	389	329	P	V
	*	5220	96.43	-	-	84.99	31.38	10.07	30.01	389	329	A	V
		5418.56	50.81	-23.19	74	39.1	31.47	10.23	29.99	389	329	P	V
		5438.16	42.18	-11.82	54	30.38	31.55	10.24	29.99	389	329	A	V

		5132.08	51.93	-22.07	74	40.16	31.8	9.98	30.01	100	308	P	H
		5102.96	42.97	-11.03	54	31.23	31.8	9.95	30.01	100	308	A	H
	*	5240	109.46	-	-	98.13	31.26	10.08	30.01	100	308	P	H
	*	5240	100.34	-	-	89.01	31.26	10.08	30.01	100	308	A	H
802.11ax		5456.64	50.97	-23.03	74	39.1	31.6	10.26	29.99	100	308	P	H
HE20 Full		5457.48	42.35	-11.65	54	30.48	31.6	10.26	29.99	100	308	A	H
CH 48		5101.4	52.31	-21.69	74	40.57	31.8	9.95	30.01	384	328	P	V
5240MHz		5093.08	42.58	-11.42	54	30.86	31.79	9.94	30.01	384	328	A	V
	*	5240	104.69	-	-	93.36	31.26	10.08	30.01	384	328	P	V
	*	5240	95.52	-	-	84.19	31.26	10.08	30.01	384	328	A	V
		5457.76	50.18	-23.82	74	38.31	31.6	10.26	29.99	384	328	P	V
		5452.16	42.23	-11.77	54	30.37	31.6	10.25	29.99	384	328	A	V

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

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (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	47.39	-20.81	68.2	54.39	39.44	14.46	60.9	100	0	P	H
		15540	46.59	-27.41	74	54.19	37.82	17.29	62.71	100	0	P	H
802.11ax													H
HE20 Full													H
CH 36		10360	48.22	-19.98	68.2	55.22	39.44	14.46	60.9	100	0	P	V
5180MHz		15540	47.28	-26.72	74	54.88	37.82	17.29	62.71	100	0	P	V
													V
													V
		10440	47.58	-20.62	68.2	54.46	39.64	14.5	61.02	100	0	P	H
		15660	46.5	-27.5	74	53.75	37.52	17.36	62.13	100	0	P	H
802.11ax													H
HE20 Full													H
CH 44		10440	47.19	-21.01	68.2	54.07	39.64	14.5	61.02	100	0	P	V
5220MHz		15660	47.6	-26.4	74	54.85	37.52	17.36	62.13	100	0	P	V
													V
													V
		10480	48.14	-20.06	68.2	55.01	39.68	14.52	61.07	100	0	P	H
		15720	46.88	-27.12	74	53.98	37.34	17.4	61.84	100	0	P	H
802.11ax													H
HE20 Full													H
CH 48		10480	47.87	-20.33	68.2	54.74	39.68	14.52	61.07	100	0	P	V
5240MHz		15720	46.94	-27.06	74	54.04	37.34	17.4	61.84	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 802.11ax HE40 Full (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	57.18	-16.82	74	45.39	31.8	10	30.01	295	296	P	H
		5150	48.88	-5.12	54	37.09	31.8	10	30.01	295	296	A	H
	*	5190	103.48	-	-	91.89	31.56	10.04	30.01	295	296	P	H
	*	5190	93.99	-	-	82.4	31.56	10.04	30.01	295	296	A	H
802.11ax		5355	49.93	-24.07	74	38.63	31.13	10.17	30	295	296	P	H
HE40 Full		5451.04	43.76	-10.24	54	31.9	31.6	10.25	29.99	295	296	A	H
CH 38		5149.5	53.48	-20.52	74	41.69	31.8	10	30.01	395	331	P	V
5190MHz		5149.76	45.43	-8.57	54	33.64	31.8	10	30.01	395	331	A	V
	*	5190	101.06	-	-	89.47	31.56	10.04	30.01	395	331	P	V
	*	5190	92.2	-	-	80.61	31.56	10.04	30.01	395	331	A	V
		5411.56	50.86	-23.14	74	39.19	31.45	10.22	30	395	331	P	V
		5430.6	43.75	-10.25	54	31.98	31.52	10.24	29.99	395	331	A	V
		5108.42	52.11	-21.89	74	40.37	31.8	9.95	30.01	100	310	P	H
		5146.9	44.56	-9.44	54	32.78	31.8	9.99	30.01	100	310	A	H
	*	5230	103.5	-	-	92.12	31.32	10.07	30.01	100	310	P	H
	*	5230	95.27	-	-	83.89	31.32	10.07	30.01	100	310	A	H
802.11ax		5451.32	51.31	-22.69	74	39.45	31.6	10.25	29.99	100	310	P	H
HE40 Full		5374.6	44.82	-9.18	54	33.38	31.25	10.19	30	100	310	A	H
CH 46		5092.56	52.22	-21.78	74	40.5	31.79	9.94	30.01	385	328	P	V
5230MHz		5131.56	44.48	-9.52	54	32.71	31.8	9.98	30.01	385	328	A	V
	*	5230	100.31	-	-	88.93	31.32	10.07	30.01	385	328	P	V
	*	5230	90.67	-	-	79.29	31.32	10.07	30.01	385	328	A	V
		5398.96	51.39	-22.61	74	39.79	31.39	10.21	30	385	328	P	V
		5448.24	43.87	-10.13	54	32.02	31.59	10.25	29.99	385	328	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	47.54	-20.66	68.2	54.48	39.52	14.47	60.93	100	0	P	H
		15570	47.22	-26.78	74	54.72	37.76	17.3	62.56	100	0	P	H
802.11ax													H
HE40 Full													H
CH 38		10380	48.1	-20.1	68.2	55.04	39.52	14.47	60.93	100	0	P	V
5190MHz		15570	47.08	-26.92	74	54.58	37.76	17.3	62.56	100	0	P	V
													V
													V
		10460	47.58	-20.62	68.2	54.45	39.66	14.51	61.04	100	0	P	H
		15690	46.65	-27.35	74	53.83	37.43	17.38	61.99	100	0	P	H
802.11ax													H
HE40 Full													H
CH 46		10460	47.15	-21.05	68.2	54.02	39.66	14.51	61.04	100	0	P	V
5230MHz		15690	47.34	-26.66	74	54.52	37.43	17.38	61.99	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)
		5097.92	51.81	-22.19	74	40.08	31.8	9.94	30.01	288	315	P	H
		5135.66	44.41	-9.59	54	32.64	31.8	9.98	30.01	288	315	A	H
	*	5290	94.84	-	-	83.52	31.2	10.12	30	288	315	P	H
	*	5290	87.1	-	-	75.78	31.2	10.12	30	288	315	A	H
802.11ac		5386.32	51.86	-22.14	74	40.34	31.32	10.2	30	288	315	P	H
VHT80		5352.48	46.04	-7.96	54	34.76	31.11	10.17	30	288	315	A	H
CH 58		5015.3	52	-22	74	40.74	31.42	9.86	30.02	400	332	P	V
5290MHz		5104.04	44.49	-9.51	54	32.75	31.8	9.95	30.01	400	332	A	V
	*	5290	91.88	-	-	80.56	31.2	10.12	30	400	332	P	V
	*	5290	84.51	-	-	73.19	31.2	10.12	30	400	332	A	V
		5440.32	50.43	-23.57	74	38.62	31.56	10.24	29.99	400	332	P	V
		5422.8	44.84	-9.16	54	33.11	31.49	10.23	29.99	400	332	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	46.84	-21.36	68.2	53.67	39.7	14.57	61.1	100	0	P	H
		15870	47.16	-26.84	74	53.62	37.17	17.49	61.12	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.81	-21.39	68.2	53.64	39.7	14.57	61.1	100	0	P	V
5290MHz		15870	46.2	-27.8	74	52.66	37.17	17.49	61.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (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)
		5098.26	52.07	-21.93	74	40.34	31.8	9.94	30.01	283	51	P	H
		5088.4	42.74	-11.26	54	31.04	31.78	9.93	30.01	283	51	A	H
	*	5260	105.79	-	-	94.49	31.2	10.1	30	283	51	P	H
	*	5260	95.71	-	-	84.41	31.2	10.1	30	283	51	P	H
802.11ax		5460	50.59	-23.41	74	38.72	31.6	10.26	29.99	283	51	P	H
HE20 Full		5441.04	42.35	-11.65	54	30.54	31.56	10.24	29.99	283	51	A	H
CH 52		5136.68	52.06	-21.94	74	40.29	31.8	9.98	30.01	382	325	P	V
5260MHz		5125.8	42.77	-11.23	54	31.01	31.8	9.97	30.01	382	325	A	V
	*	5260	102.69	-	-	91.39	31.2	10.1	30	382	325	P	V
	*	5260	92.39	-	-	81.09	31.2	10.1	30	382	325	A	V
		5395.2	51.75	-22.25	74	40.17	31.37	10.21	30	382	325	P	V
		5403.12	42.49	-11.51	54	30.87	31.41	10.21	30	382	325	A	V
		5119.34	51.92	-22.08	74	40.16	31.8	9.97	30.01	100	310	P	H
		5130.22	42.43	-11.57	54	30.66	31.8	9.98	30.01	100	310	A	H
	*	5300	107.81	-	-	96.48	31.2	10.13	30	100	310	P	H
	*	5300	97.86	-	-	86.53	31.2	10.13	30	100	310	A	H
802.11ax		5398.32	51.85	-22.15	74	40.25	31.39	10.21	30	100	310	P	H
HE20 Full		5355.36	42.83	-11.17	54	31.53	31.13	10.17	30	100	310	A	H
CH 60		5087.04	52.04	-21.96	74	40.35	31.77	9.93	30.01	351	3	P	V
5300MHz		5092.14	42.73	-11.27	54	31.02	31.78	9.94	30.01	351	3	A	V
	*	5300	101.57	-	-	90.24	31.2	10.13	30	351	3	P	V
	*	5300	91.65	-	-	80.32	31.2	10.13	30	351	3	A	V
		5452.08	51.87	-22.13	74	40.01	31.6	10.25	29.99	351	3	P	V
		5457.12	42.31	-11.69	54	30.44	31.6	10.26	29.99	351	3	A	V

		5077.18	51	-23	74	39.35	31.75	9.92	30.02	298	316	P	H
		5081.94	42.67	-11.33	54	31	31.76	9.93	30.02	298	316	A	H
	*	5320	105.97	-	-	94.66	31.16	10.15	30	298	316	P	H
	*	5320	95.68	-	-	84.37	31.16	10.15	30	298	316	A	H
802.11ax		5350.32	56.76	-17.24	74	45.49	31.1	10.17	30	298	316	P	H
HE20 Full		5351.28	43.63	-10.37	54	32.35	31.11	10.17	30	298	316	A	H
CH 64		5051.34	50.93	-23.07	74	39.36	31.7	9.89	30.02	397	331	P	V
5320MHz		5098.6	42.68	-11.32	54	30.95	31.8	9.94	30.01	397	331	A	V
	*	5320	104	-	-	92.69	31.16	10.15	30	397	331	P	V
	*	5320	93.55	-	-	82.24	31.16	10.15	30	397	331	A	V
		5355.84	52.05	-21.95	74	40.74	31.14	10.17	30	397	331	P	V
		5423.76	42.42	-11.58	54	30.68	31.5	10.23	29.99	397	331	A	V

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

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (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	46.92	-21.28	68.2	53.78	39.7	14.54	61.1	100	0	P	H
		15780	46.85	-27.15	74	53.81	37.16	17.44	61.56	100	0	P	H
802.11ax													H
HE20 Full													H
CH 52		10520	46.87	-21.33	68.2	53.73	39.7	14.54	61.1	100	0	P	V
5260MHz		15780	46.31	-27.69	74	53.27	37.16	17.44	61.56	100	0	P	V
													V
													V
		10600	47.96	-26.04	74	54.78	39.7	14.58	61.1	100	0	P	H
		15900	46.57	-27.43	74	52.85	37.2	17.5	60.98	100	0	P	H
802.11ax													H
HE20 Full													H
CH 60		10600	48.81	-25.19	74	55.63	39.7	14.58	61.1	100	0	P	V
5300MHz		15900	46.08	-27.92	74	52.36	37.2	17.5	60.98	100	0	P	V
													V
													V
		10640	47.92	-26.08	74	54.64	39.78	14.6	61.1	100	0	P	H
		15960	46.88	-27.12	74	52.77	37.26	17.54	60.69	100	0	P	H
802.11ax													H
HE20 Full													H
CH 64		10640	48.4	-25.6	74	55.12	39.78	14.6	61.1	100	0	P	V
5320MHz		15960	46.55	-27.45	74	52.44	37.26	17.54	60.69	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 802.11ax HE40 Full (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)
		5149.94	52.8	-21.2	74	41.01	31.8	10	30.01	285	316	P	H
		5102.34	44.8	-9.2	54	33.06	31.8	9.95	30.01	285	316	A	H
	*	5270	102.78	-	-	91.47	31.2	10.11	30	285	316	P	H
	*	5270	93.98	-	-	82.67	31.2	10.11	30	285	316	P	H
802.11ax		5445.12	50.93	-23.07	74	39.09	31.58	10.25	29.99	285	316	P	H
HE40 Full		5428.8	44.25	-9.75	54	32.49	31.52	10.23	29.99	285	316	A	H
CH 54		5117.64	51.56	-22.44	74	39.81	31.8	9.96	30.01	400	325	P	V
5270MHz		5148.92	44.37	-9.63	54	32.58	31.8	10	30.01	400	325	A	V
	*	5270	100.17	-	-	88.86	31.2	10.11	30	400	325	P	V
	*	5270	91.07	-	-	79.76	31.2	10.11	30	400	325	P	V
		5433.36	50.33	-23.67	74	38.55	31.53	10.24	29.99	400	325	P	V
		5433.84	43.85	-10.15	54	32.06	31.54	10.24	29.99	400	325	A	V
		5128.52	51.21	-22.79	74	39.45	31.8	9.97	30.01	100	311	P	H
		5132.94	44.48	-9.52	54	32.71	31.8	9.98	30.01	100	311	A	H
	*	5310	103.49	-	-	92.17	31.18	10.14	30	100	311	P	H
	*	5310	95.27	-	-	83.95	31.18	10.14	30	100	311	A	H
802.11ax		5352.96	58.98	-15.02	74	47.69	31.12	10.17	30	100	311	P	H
HE40 Full		5352	49.08	-4.92	54	37.8	31.11	10.17	30	100	311	A	H
CH 62		5134.3	50.86	-23.14	74	39.09	31.8	9.98	30.01	351	2	P	V
5310MHz		5142.46	44.7	-9.3	54	32.92	31.8	9.99	30.01	351	2	A	V
	*	5310	97.9	-	-	86.58	31.18	10.14	30	351	2	P	V
	*	5310	89.48	-	-	78.16	31.18	10.14	30	351	2	A	V
		5352.96	51.26	-22.74	74	39.97	31.12	10.17	30	351	2	P	V
		5350.56	45.53	-8.47	54	34.26	31.1	10.17	30	351	2	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (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	46.86	-21.34	68.2	53.71	39.7	14.55	61.1	100	0	P	H
		15810	46.05	-27.95	74	52.9	37.11	17.45	61.41	100	0	P	H
802.11ax													H
HE40 Full													H
CH 54		10540	47.05	-21.15	68.2	53.9	39.7	14.55	61.1	100	0	P	V
5270MHz		15810	46.3	-27.7	74	53.15	37.11	17.45	61.41	100	0	P	V
													V
													V
		10620	47.71	-26.29	74	54.48	39.74	14.59	61.1	100	0	P	H
		15930	45.79	-28.21	74	51.87	37.23	17.53	60.84	100	0	P	H
802.11ax													H
HE40 Full													H
CH 62		10620	48.53	-25.47	74	55.3	39.74	14.59	61.1	100	0	P	V
5310MHz		15930	46.3	-27.7	74	52.38	37.23	17.53	60.84	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)
		5453.44	52.14	-21.86	74	40.27	31.6	10.26	29.99	100	300	P	H
		5464.24	52.36	-15.84	68.2	40.49	31.6	10.26	29.99	100	300	P	H
		5453.92	45.05	-8.95	54	33.18	31.6	10.26	29.99	100	300	A	H
	*	5530	93.87	-	-	82.02	31.54	10.32	30.01	100	300	P	H
802.11ac	*	5530	86.61	-	-	74.76	31.54	10.32	30.01	100	300	A	H
VHT80		5760.59	52.43	-15.77	68.2	40.25	31.8	10.56	30.18	100	300	P	H
CH 106		5444.08	52.29	-21.71	74	40.45	31.58	10.25	29.99	304	185	P	V
5530MHz		5462.56	52.63	-15.57	68.2	40.76	31.6	10.26	29.99	304	185	P	V
		5458.72	44.29	-9.71	54	32.42	31.6	10.26	29.99	304	185	A	V
	*	5530	90.27	-	-	78.42	31.54	10.32	30.01	304	185	P	V
	*	5530	83.75	-	-	71.9	31.54	10.32	30.01	304	185	A	V
		5735.075	51.24	-16.96	68.2	39.1	31.77	10.53	30.16	304	185	P	V
		5441.2	52.03	-21.97	74	40.21	31.56	10.25	29.99	100	292	P	H
		5462.56	51.36	-16.84	68.2	39.49	31.6	10.26	29.99	100	292	P	H
		5436.16	44.02	-9.98	54	32.23	31.54	10.24	29.99	100	292	A	H
	*	5610	93.76	-	-	81.82	31.62	10.39	30.07	100	292	P	H
802.11ac	*	5610	86.59	-	-	74.65	31.62	10.39	30.07	100	292	A	H
VHT80		5740.745	51.1	-17.1	68.2	38.95	31.78	10.53	30.16	100	292	P	H
CH 122		5427.28	51.69	-22.31	74	39.94	31.51	10.23	29.99	293	184	P	V
5610MHz		5465.68	51.54	-16.66	68.2	39.66	31.6	10.27	29.99	293	184	P	V
		5446.24	44.1	-9.9	54	32.26	31.58	10.25	29.99	293	184	A	V
	*	5610	89.98	-	-	78.04	31.62	10.39	30.07	293	184	P	V
	*	5610	82.86	-	-	70.92	31.62	10.39	30.07	293	184	A	V
		5725.625	51.51	-16.69	68.2	39.39	31.75	10.52	30.15	293	184	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	49.97	-24.03	74	55.95	40.28	14.82	61.08	100	0	P	H
		16590	49.11	-19.09	68.2	51.64	38.81	18.01	59.35	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	49.16	-24.84	74	55.14	40.28	14.82	61.08	100	0	P	V
5530MHz		16590	47.83	-20.37	68.2	50.36	38.81	18.01	59.35	100	0	P	V
													V
													V
		11220	48.26	-25.74	74	54.55	39.82	14.9	61.01	100	0	P	H
		16830	50.43	-17.77	68.2	51.12	40.33	18.18	59.2	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	48.04	-25.96	74	54.33	39.82	14.9	61.01	100	0	P	V
5610MHz		16830	50.17	-18.03	68.2	50.86	40.33	18.18	59.2	100	0	P	V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.92	53.28	-20.72	74	41.41	31.6	10.26	29.99	100	312	P	H
		5464.4	54.53	-13.67	68.2	42.66	31.6	10.26	29.99	100	312	P	H
		5454	46.3	-7.7	54	34.43	31.6	10.26	29.99	100	312	A	H
	*	5500	103.97	-	-	92.06	31.6	10.3	29.99	100	312	P	H
802.11ax	*	5500	94.12	-	-	82.21	31.6	10.3	29.99	100	312	A	H
HE20 Full		5450.8	51.64	-22.36	74	39.78	31.6	10.25	29.99	400	155	P	V
CH 100		5465.36	51.44	-16.76	68.2	39.56	31.6	10.27	29.99	400	155	P	V
5500MHz		5412.56	45.39	-8.61	54	33.72	31.45	10.22	30	400	155	A	V
	*	5500	98.82	-	-	86.91	31.6	10.3	29.99	400	155	P	V
	*	5500	88.59	-	-	76.68	31.6	10.3	29.99	400	155	A	V
													V
													V
		5409.67	51.11	-22.89	74	39.45	31.44	10.22	30	100	291	P	H
		5463.4	50.87	-17.33	68.2	39	31.6	10.26	29.99	100	291	P	H
		5445.04	42.27	-11.73	54	30.43	31.58	10.25	29.99	100	291	A	H
	*	5580	103.52	-	-	91.65	31.56	10.36	30.05	100	291	P	H
802.11ax	*	5580	94.64	-	-	82.77	31.56	10.36	30.05	100	291	A	H
HE20 Full		5754.605	50	-18.2	68.2	37.82	31.8	10.55	30.17	100	291	P	H
CH 116		5429.11	50.99	-23.01	74	39.23	31.52	10.23	29.99	318	182	P	V
5580MHz		5466.91	50.41	-17.79	68.2	38.53	31.6	10.27	29.99	318	182	P	V
		5360.26	42.26	-11.74	54	30.92	31.16	10.18	30	318	182	A	V
	*	5580	100.66	-	-	88.79	31.56	10.36	30.05	318	182	P	V
	*	5580	92.37	-	-	80.5	31.56	10.36	30.05	318	182	A	V
		5754.605	51.65	-16.55	68.2	39.47	31.8	10.55	30.17	318	182	P	V

	*	5700	102.35	-	-	90.29	31.7	10.49	30.13	334	127	P	H
	*	5700	91.64	-	-	79.58	31.7	10.49	30.13	334	127	A	H
		5725.08	55.83	-12.37	68.2	43.71	31.75	10.52	30.15	334	127	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	99.5	-	-	87.44	31.7	10.49	30.13	400	318	P	V
5700MHz	*	5700	89.42	-	-	77.36	31.7	10.49	30.13	400	318	A	V
		5725.24	51.99	-16.21	68.2	39.87	31.75	10.52	30.15	400	318	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 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	49.44	-24.56	74	55.35	40.4	14.79	61.1	100	0	P	H
		16500	47.92	-20.28	68.2	50.48	38.9	17.94	59.4	100	0	P	H
802.11ax													H
HE20 Full													H
CH 100		11000	49.71	-24.29	74	55.62	40.4	14.79	61.1	100	0	P	V
5500MHz		16500	48.27	-19.93	68.2	50.83	38.9	17.94	59.4	100	0	P	V
													V
													V
		11160	48.3	-25.7	74	54.51	39.96	14.87	61.04	100	0	P	H
		16740	49.85	-18.35	68.2	51.05	39.94	18.12	59.26	100	0	P	H
802.11ax													H
HE20 Full													H
CH 116		11160	48.89	-25.11	74	55.1	39.96	14.87	61.04	100	0	P	V
5580MHz		16740	49.9	-18.3	68.2	51.1	39.94	18.12	59.26	100	0	P	V
													V
													V
		11400	47.79	-26.21	74	53.74	40	14.99	60.94	100	0	P	H
		17100	50.77	-17.43	68.2	50.77	40.6	18.38	58.98	100	0	P	H
802.11ax													H
HE20 Full													H
CH 140		11400	47.8	-26.2	74	53.75	40	14.99	60.94	100	0	P	V
5700MHz		17100	50.88	-17.32	68.2	50.88	40.6	18.38	58.98	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 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	53.37	-20.63	74	41.5	31.6	10.26	29.99	100	295	P	H
		5469.28	59.92	-8.28	68.2	48.04	31.6	10.27	29.99	100	295	P	H
		5459.2	45.28	-8.72	54	33.41	31.6	10.26	29.99	100	295	A	H
	*	5510	101.03	-	-	89.15	31.58	10.3	30	100	295	P	H
802.11ax	*	5510	93.38	-	-	81.5	31.58	10.3	30	100	295	A	H
HE40 Full		5735.075	51.32	-16.88	68.2	39.18	31.77	10.53	30.16	100	295	P	H
CH 102		5456.08	52.29	-21.71	74	40.42	31.6	10.26	29.99	313	186	P	V
5510MHz		5469.04	55.13	-13.07	68.2	43.25	31.6	10.27	29.99	313	186	P	V
		5447.44	44.59	-9.41	54	32.74	31.59	10.25	29.99	313	186	A	V
	*	5510	98.16	-	-	86.28	31.58	10.3	30	313	186	P	V
	*	5510	89.94	-	-	78.06	31.58	10.3	30	313	186	A	V
		5726.57	51.76	-16.44	68.2	39.64	31.75	10.52	30.15	313	186	P	V
		5452	52.78	-21.22	74	40.92	31.6	10.25	29.99	100	294	P	H
		5464	52.31	-15.89	68.2	40.44	31.6	10.26	29.99	100	294	P	H
		5453.68	44.26	-9.74	54	32.39	31.6	10.26	29.99	100	294	A	H
	*	5550	102.27	-	-	90.46	31.5	10.34	30.03	100	294	P	H
802.11ax	*	5550	94.6	-	-	82.79	31.5	10.34	30.03	100	294	A	H
HE40 Full		5741.69	51.64	-16.56	68.2	39.48	31.78	10.54	30.16	100	294	P	H
CH 110		5451.52	51.87	-22.13	74	40.01	31.6	10.25	29.99	300	186	P	V
5550MHz		5462.56	51.19	-17.01	68.2	39.32	31.6	10.26	29.99	300	186	P	V
		5454.64	44.22	-9.78	54	32.35	31.6	10.26	29.99	300	186	A	V
	*	5550	98.85	-	-	87.04	31.5	10.34	30.03	300	186	P	V
	*	5550	90.9	-	-	79.09	31.5	10.34	30.03	300	186	A	V
		5726.57	51.53	-16.67	68.2	39.41	31.75	10.52	30.15	300	186	P	V

		5417.9	50.04	-23.96	74	38.33	31.47	10.23	29.99	100	53	P	H
		5460.25	49.54	-18.66	68.2	37.67	31.6	10.26	29.99	100	53	P	H
		5447.3	43.76	-10.24	54	31.91	31.59	10.25	29.99	100	53	A	H
	*	5670	99.65	-	-	87.6	31.7	10.46	30.11	100	53	P	H
802.11ax	*	5670	90.63	-	-	78.58	31.7	10.46	30.11	100	53	A	H
HE40 Full		5760.1	50.29	-17.91	68.2	38.11	31.8	10.56	30.18	100	53	P	H
CH 134		5373.1	51.09	-22.91	74	39.66	31.24	10.19	30	270	182	P	V
5670MHz		5466.2	49.65	-18.55	68.2	37.77	31.6	10.27	29.99	270	182	P	V
		5459.55	43.77	-10.23	54	31.9	31.6	10.26	29.99	270	182	A	V
	*	5670	96.87	-	-	84.82	31.7	10.46	30.11	270	182	P	V
	*	5670	87.96	-	-	75.91	31.7	10.46	30.11	270	182	A	V
		5730	50.88	-17.32	68.2	38.76	31.76	10.52	30.16	270	182	P	V

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

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (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	49.13	-24.87	74	55.06	40.36	14.8	61.09	100	0	P	H
		16530	47.81	-20.39	68.2	50.36	38.87	17.96	59.38	100	0	P	H
802.11ax													H
HE40 Full													H
CH 102		11020	49.21	-24.79	74	55.14	40.36	14.8	61.09	100	0	P	V
5510MHz		16530	48.2	-20	68.2	50.75	38.87	17.96	59.38	100	0	P	V
													V
													V
		11100	49.3	-24.7	74	55.32	40.2	14.84	61.06	100	0	P	H
		16650	48.91	-19.29	68.2	50.92	39.25	18.05	59.31	100	0	P	H
802.11ax													H
HE40 Full													H
CH 110		11100	49.26	-24.74	74	55.28	40.2	14.84	61.06	100	0	P	V
5550MHz		16650	48.93	-19.27	68.2	50.94	39.25	18.05	59.31	100	0	P	V
													V
													V
		11340	47.81	-26.19	74	53.87	39.94	14.96	60.96	100	0	P	H
		17010	50.57	-17.63	68.2	50.74	40.6	18.32	59.09	100	0	P	H
802.11ax													H
HE40 Full													H
CH 134		11340	47.66	-26.34	74	53.72	39.94	14.96	60.96	100	0	P	V
5670MHz		17010	50.16	-18.04	68.2	50.33	40.6	18.32	59.09	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

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 138 5690MHz		5421.37	51.52	-22.48	74	39.79	31.49	10.23	29.99	100	293	P	H
		5467.78	51.05	-17.15	68.2	39.17	31.6	10.27	29.99	100	293	P	H
		5457.64	44.65	-9.35	54	32.78	31.6	10.26	29.99	100	293	A	H
	*	5690	93.62	-	-	81.57	31.7	10.48	30.13	100	293	P	H
	*	5690	86.68	-	-	74.63	31.7	10.48	30.13	100	293	A	H
		5945.5	53.09	-15.11	68.2	40.51	32.19	10.7	30.31	100	293	P	H
		5405.38	52.27	-21.73	74	40.64	31.42	10.21	30	297	185	P	V
		5468.56	50.81	-17.39	68.2	38.93	31.6	10.27	29.99	297	185	P	V
		5441.26	44.24	-9.76	54	32.41	31.57	10.25	29.99	297	185	A	V
	*	5690	83.22	-	-	71.17	31.7	10.48	30.13	297	185	P	V
	*	5690	83.25	-	-	71.2	31.7	10.48	30.13	297	185	A	V
		5925.1	52.55	-15.65	68.2	40.01	32.15	10.69	30.3	297	185	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	48.43	-25.57	74	54.42	39.98	14.98	60.95	100	0	P	H
		17070	50.02	-18.18	68.2	50.08	40.6	18.36	59.02	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	48.44	-25.56	74	54.43	39.98	14.98	60.95	100	0	P	V
5690MHz		17070	50.57	-17.63	68.2	50.63	40.6	18.36	59.02	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 802.11ax HE20 Full (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)
802.11ax HE20 Full CH 144 5720MHz		5414.35	50.89	-23.11	74	39.21	31.46	10.22	30	100	50	P	H
		5470	50.14	-18.06	68.2	38.26	31.6	10.27	29.99	100	50	P	H
		5447.11	42.22	-11.78	54	30.37	31.59	10.25	29.99	100	50	A	H
	*	5720	102.09	-	-	89.99	31.74	10.51	30.15	100	50	P	H
	*	5720	92.16	-	-	80.06	31.74	10.51	30.15	100	50	A	H
		5905	51.4	-16.8	68.2	38.9	32.11	10.67	30.28	100	50	P	H
		5436.19	50.54	-23.46	74	38.75	31.54	10.24	29.99	307	188	P	V
		5463.49	50.51	-17.69	68.2	38.64	31.6	10.26	29.99	307	188	P	V
		5454.91	42.32	-11.68	54	30.45	31.6	10.26	29.99	307	188	A	V
	*	5720	99.34	-	-	87.24	31.74	10.51	30.15	307	188	P	V
	*	5720	89.61	-	-	77.51	31.74	10.51	30.15	307	188	A	V
		5856.75	52.19	-16.01	68.2	39.79	32.01	10.64	30.25	307	188	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (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	47.83	-26.17	74	53.7	40.04	15.01	60.92	100	0	P	H
		17160	50.12	-18.08	68.2	49.88	40.72	18.43	58.91	100	0	P	H
802.11ax													H
HE20 Full													H
CH 144		11440	48.11	-25.89	74	53.98	40.04	15.01	60.92	100	0	P	V
5720MHz		17160	50.22	-17.98	68.2	49.98	40.72	18.43	58.91	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 - Straddle Channel

WIFI 802.11ax HE40 Full (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)
802.11ax HE40 Full CH 142 5710MHz		5440.87	50.59	-23.41	74	38.78	31.56	10.24	29.99	100	52	P	H
		5464.66	49.97	-18.23	68.2	38.1	31.6	10.26	29.99	100	52	P	H
		5435.02	44.2	-9.8	54	32.41	31.54	10.24	29.99	100	52	A	H
	*	5710	98.53	-	-	86.45	31.72	10.5	30.14	100	52	P	H
	*	5710	86.82	-	-	74.74	31.72	10.5	30.14	100	52	A	H
		5941.75	51.96	-16.24	68.2	39.39	32.18	10.7	30.31	100	52	P	H
		5401.09	50.39	-23.61	74	38.78	31.4	10.21	30	307	180	P	V
		5469.34	49.32	-18.88	68.2	37.44	31.6	10.27	29.99	307	180	P	V
		5452.18	43.59	-10.41	54	31.73	31.6	10.25	29.99	307	180	A	V
	*	5710	95.55	-	-	83.47	31.72	10.5	30.14	307	180	P	V
	*	5710	87	-	-	74.92	31.72	10.5	30.14	307	180	A	V
		5948.75	53.8	-14.4	68.2	41.21	32.2	10.7	30.31	307	180	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (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	47.65	-26.35	74	53.56	40.02	15	60.93	100	0	P	H
		17130	50.14	-18.06	68.2	50.02	40.66	18.4	58.94	100	0	P	H
802.11ax													H
HE40 Full													H
CH 142		11420	48.16	-25.84	74	54.07	40.02	15	60.93	100	0	P	V
5710MHz		17130	50.27	-17.93	68.2	50.15	40.66	18.4	58.94	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

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		30.97	22.84	-17.16	40	30.45	24.21	0.68	32.5	-	-	P	H
		197.81	31.05	-12.45	43.5	46.6	14.85	2.04	32.44	-	-	P	H
		298.69	36.24	-9.76	46	47.25	19.09	2.39	32.49	-	-	P	H
		593.57	37.09	-8.91	46	40.58	25.61	3.37	32.47	100	0	P	H
		725.49	34.08	-11.92	46	35.79	27.08	3.66	32.45	-	-	P	H
		792.42	31.96	-14.04	46	32.29	28	3.87	32.2	-	-	P	H
													H
													H
													H
													H
													H
													H
		55.22	25.38	-14.62	40	44.6	12.35	1	32.57	-	-	P	V
		89.17	24.7	-18.8	43.5	41.34	14.52	1.34	32.5	-	-	P	V
		197.81	26.37	-17.13	43.5	41.92	14.85	2.04	32.44	-	-	P	V
		355.92	27.66	-18.34	46	37	20.6	2.58	32.52	-	-	P	V
		593.57	33.95	-12.05	46	37.44	25.61	3.37	32.47	-	-	P	V
		888.45	38.42	-7.58	46	37.14	28.84	4.13	31.69	100	0	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission Plots

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	**Temperature :**	22.5~23.0°C
		Relative Humidity :	47.0~52.0%

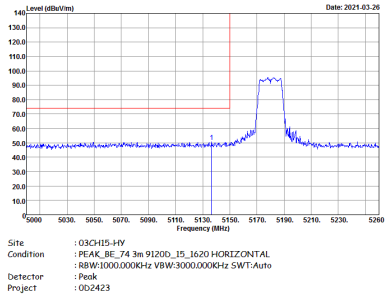
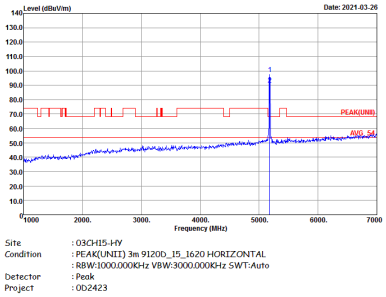
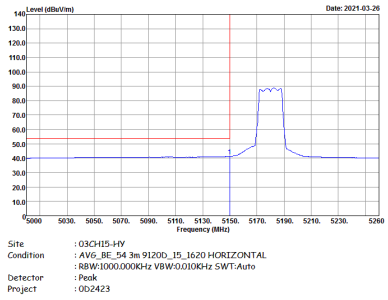
Note symbol

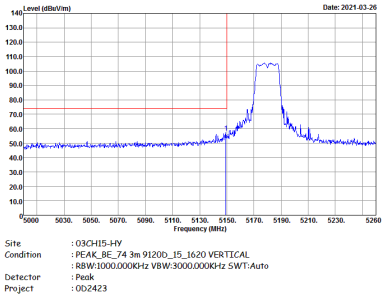
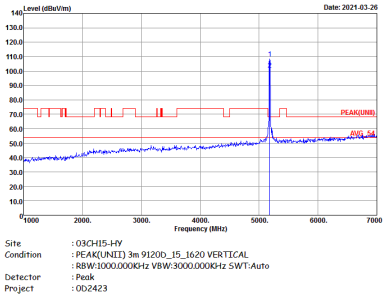
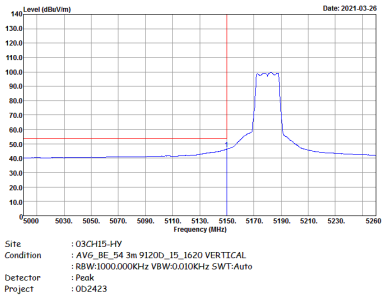
-L	**Low channel location**
-R	**High channel location**

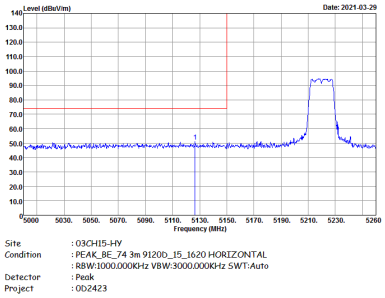
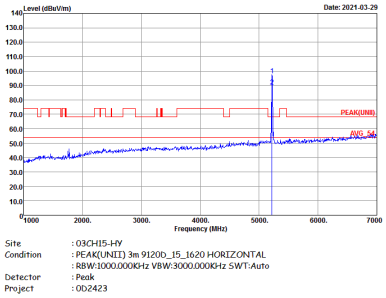
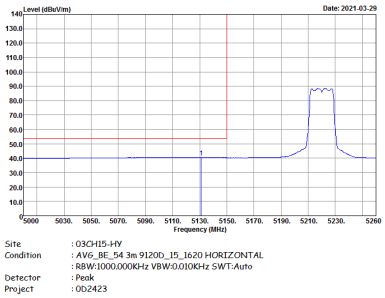
<RD2458-5>

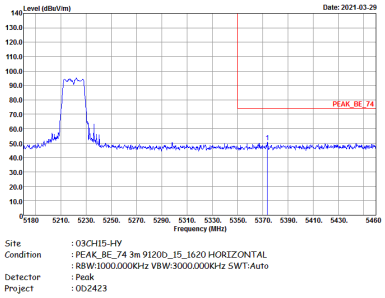
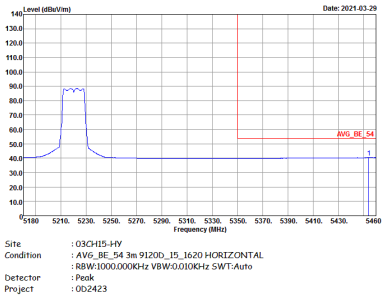
Band 1 - 5150~5250MHz

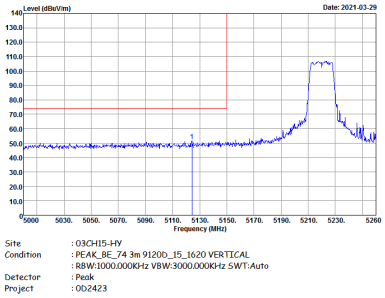
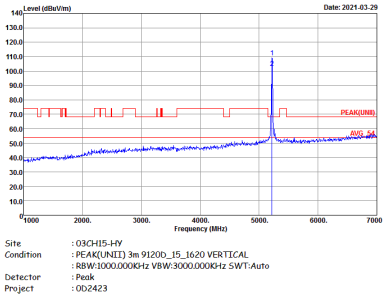
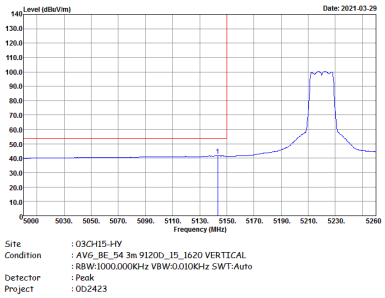
WIFI 802.11a (Band Edge @ 3m)

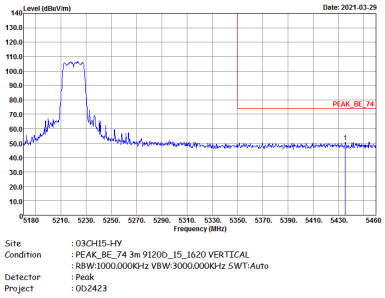
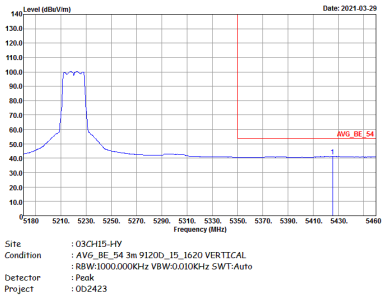
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

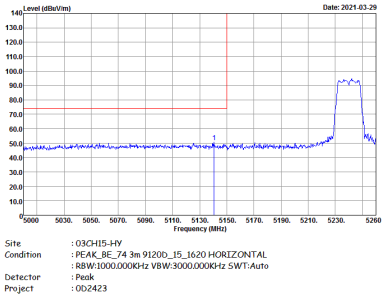
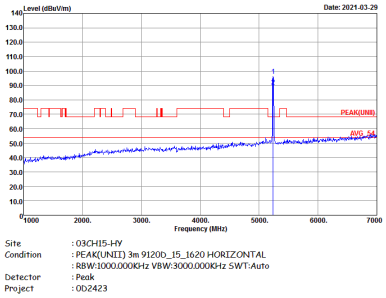
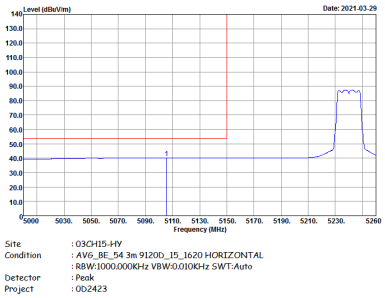
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

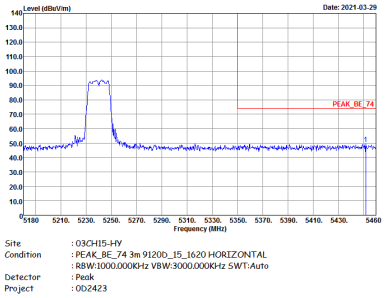
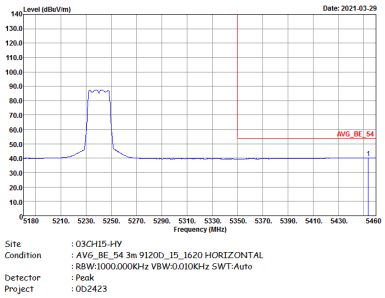
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

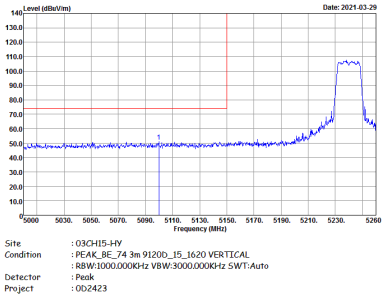
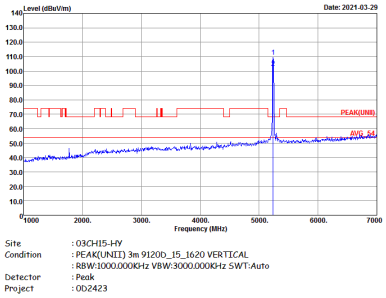
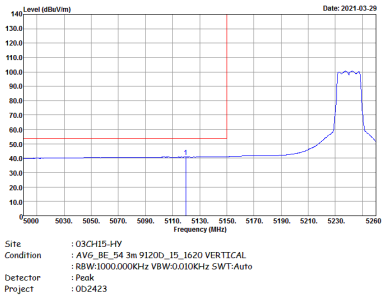
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

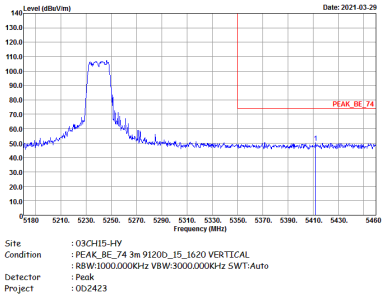
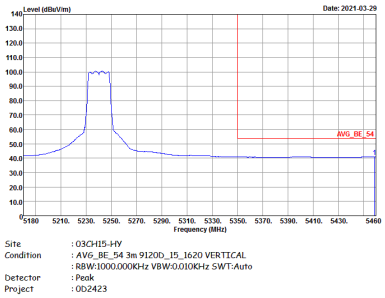
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

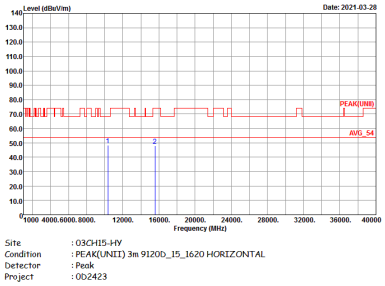
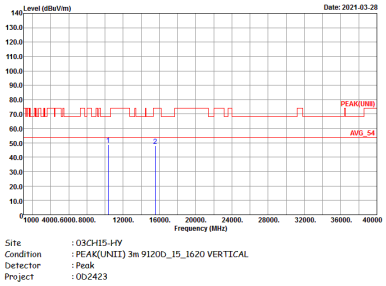
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

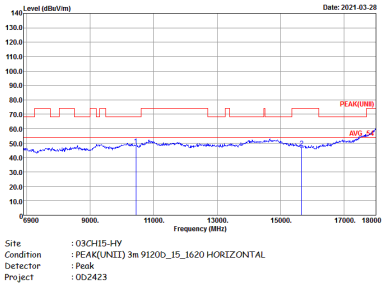
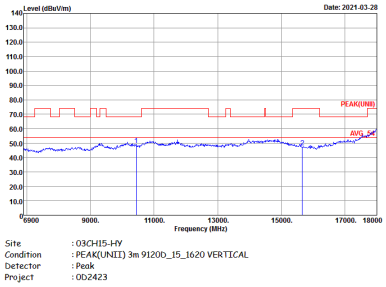
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

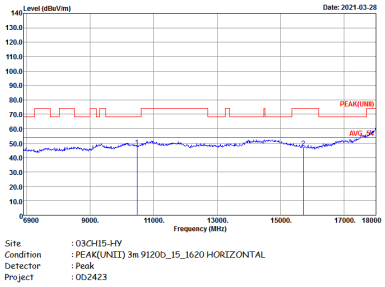
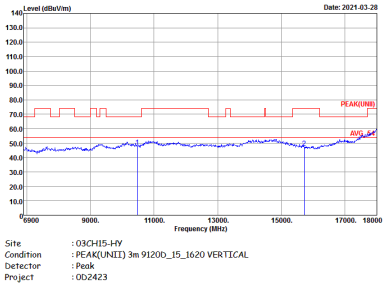
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

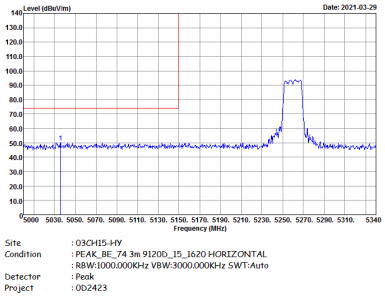
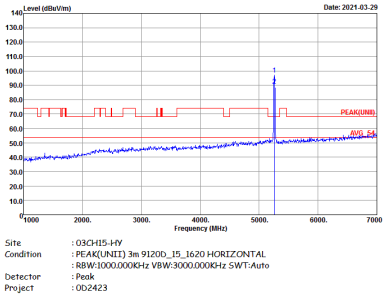
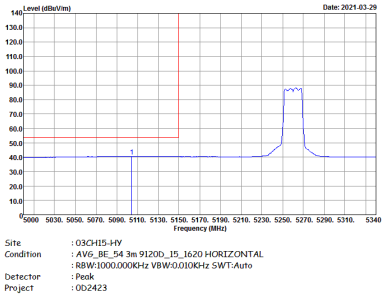
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

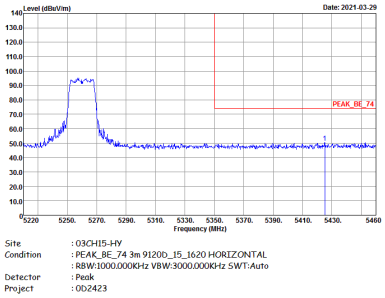
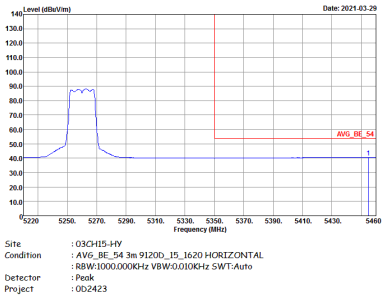
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

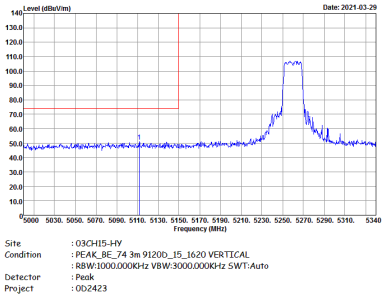
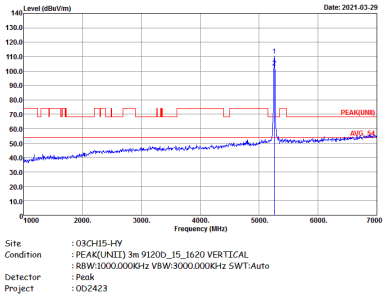
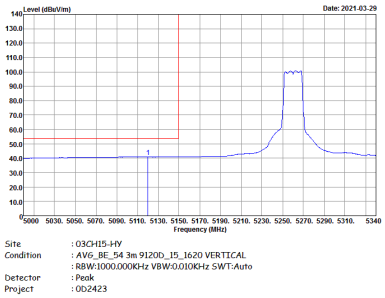
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

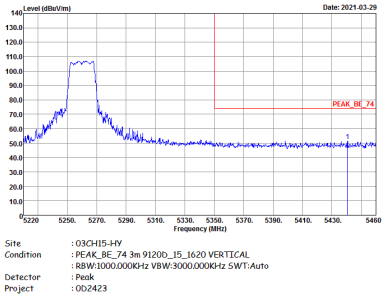
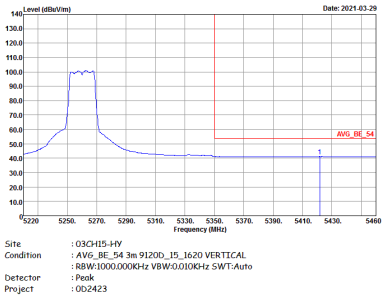
Band 2 - 5250~5350MHz

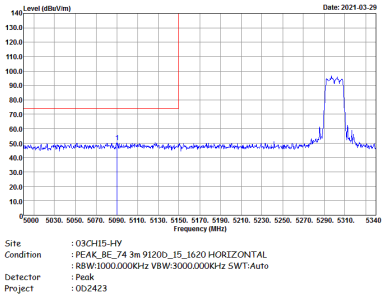
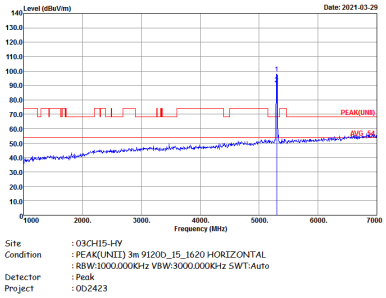
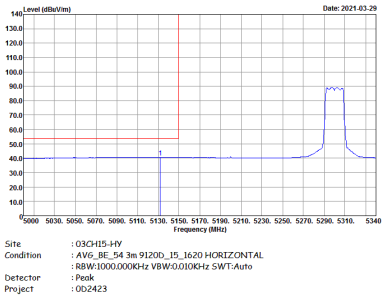
WIFI 802.11a (Band Edge @ 3m)

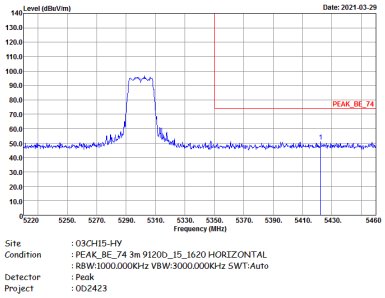
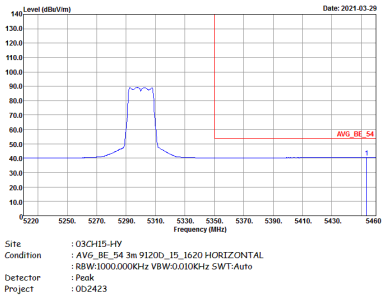
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

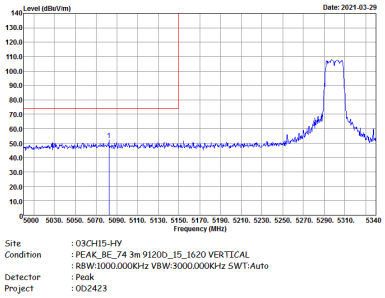
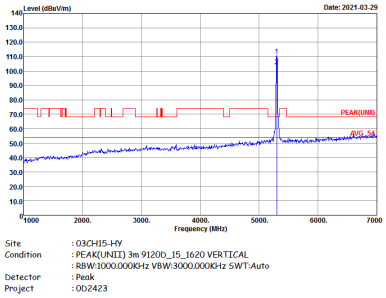
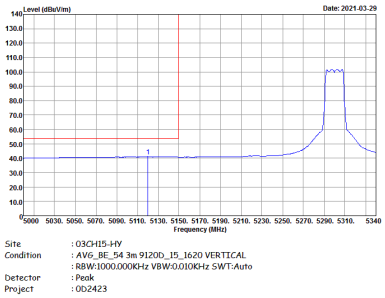
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

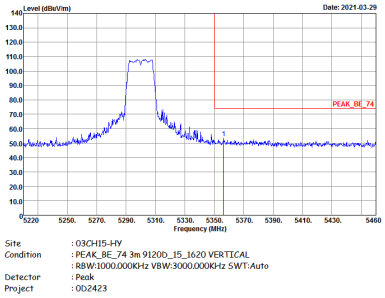
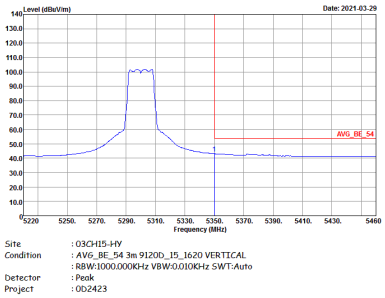
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

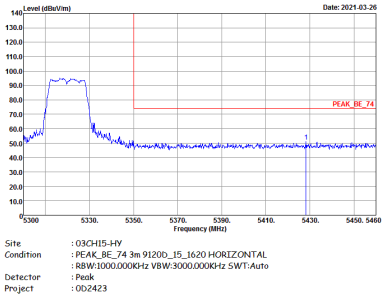
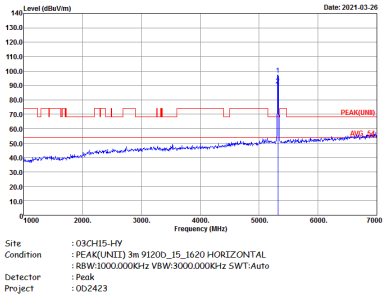
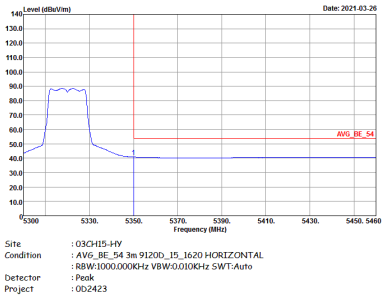
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

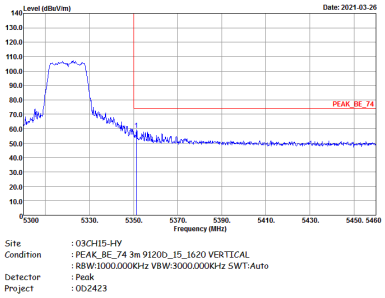
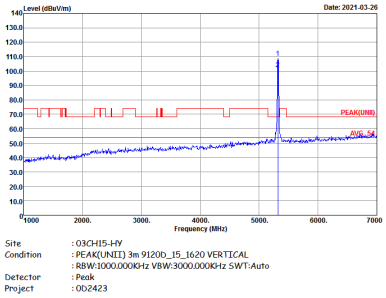
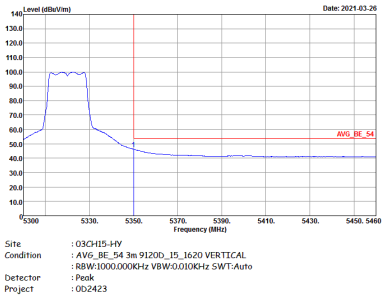
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

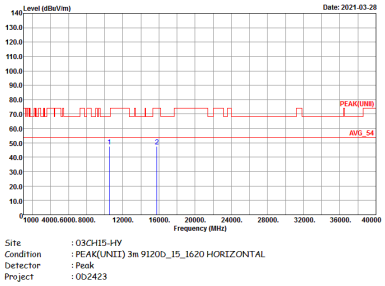
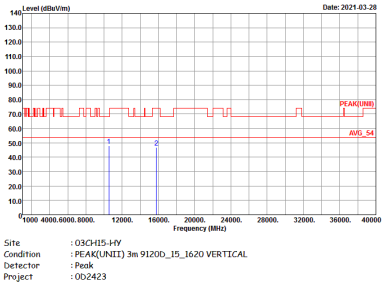
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

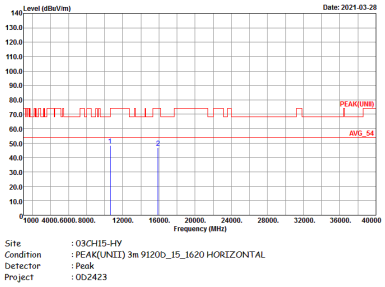
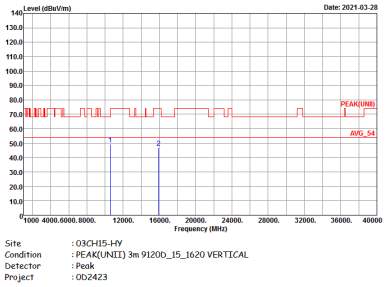
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

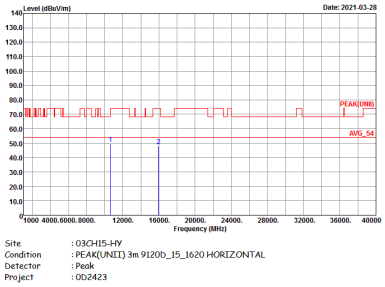
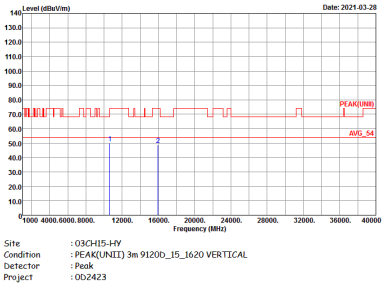
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

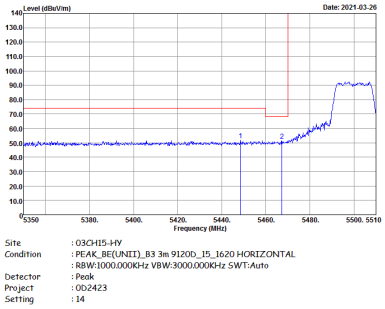
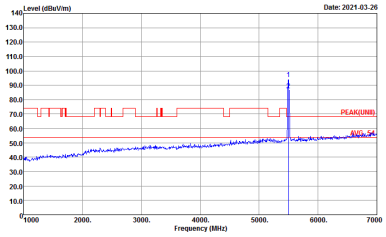
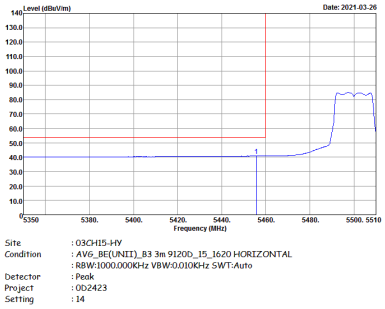
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

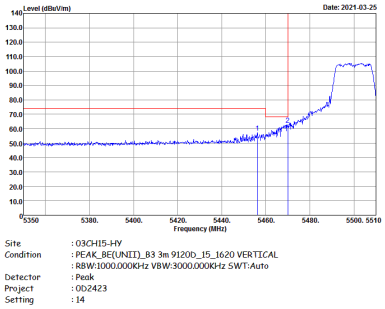
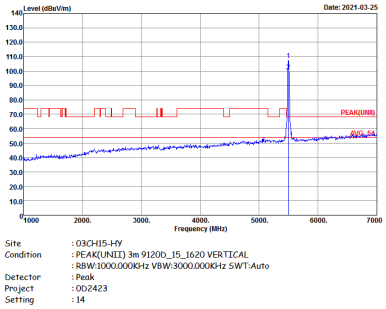
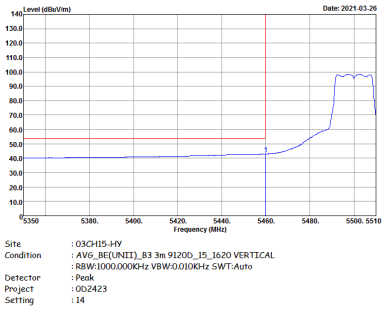
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

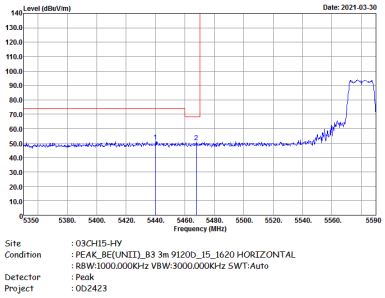
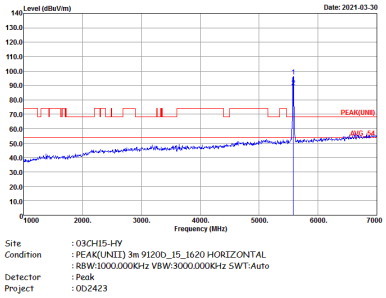
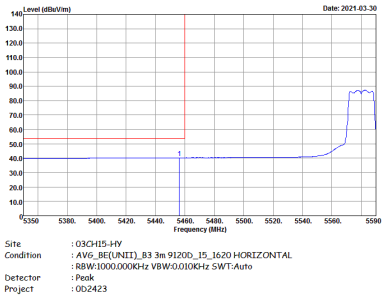
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

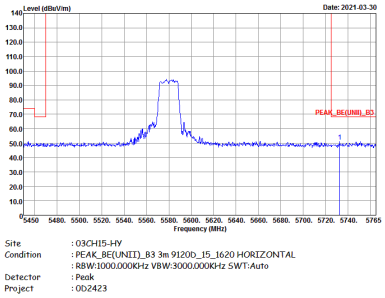
Band 3 - 5470~5725MHz

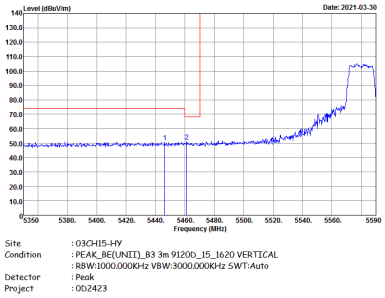
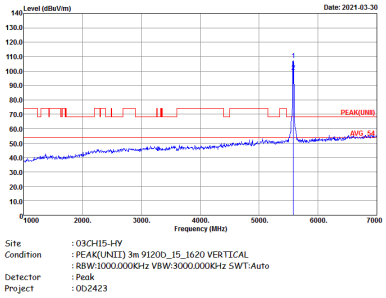
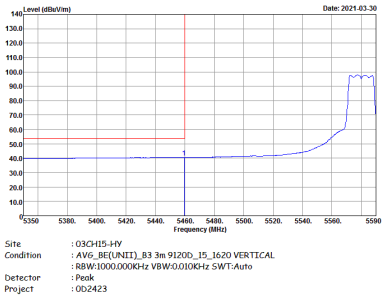
WIFI 802.11a (Band Edge @ 3m)

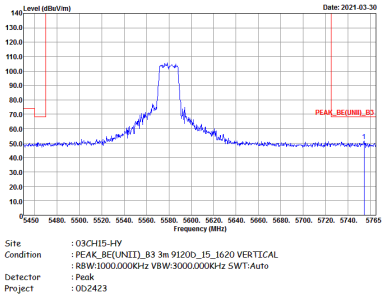
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

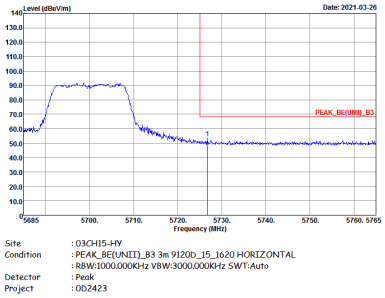
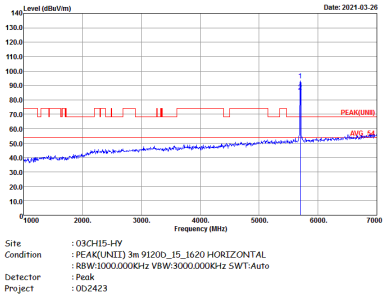
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

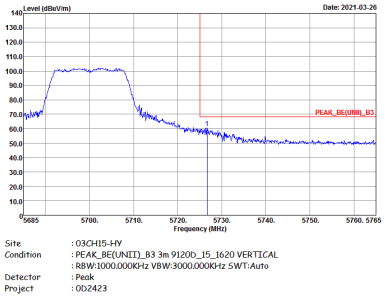
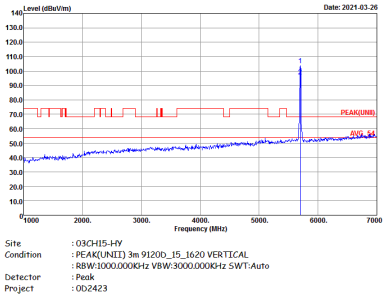
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

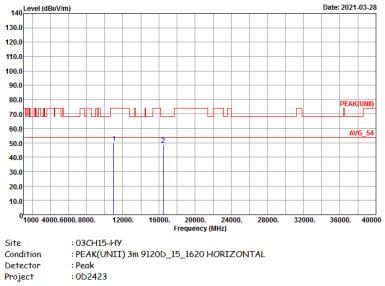
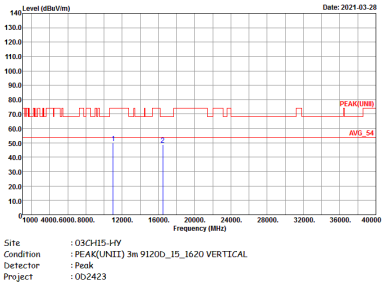
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

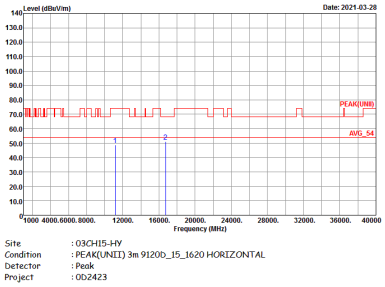
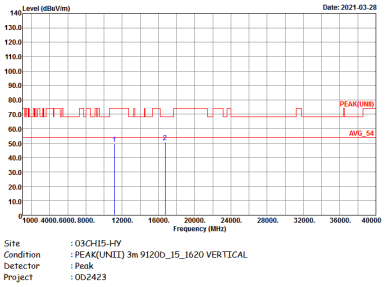
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

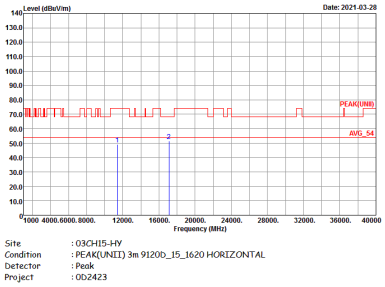
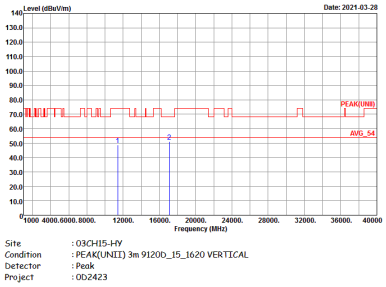
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

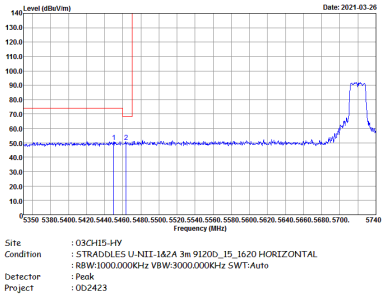
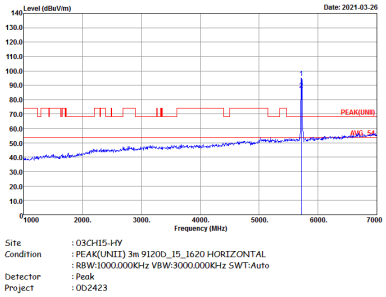
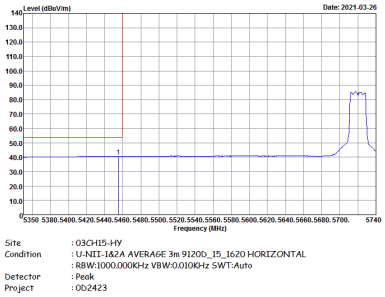
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

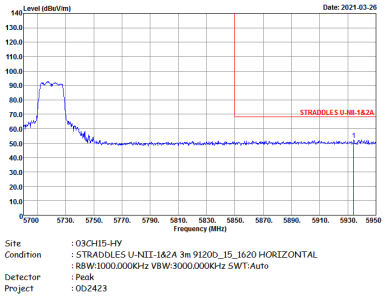
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 0D2423	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 0D2423

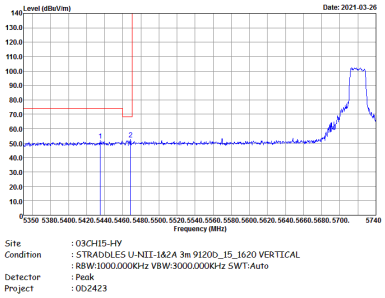
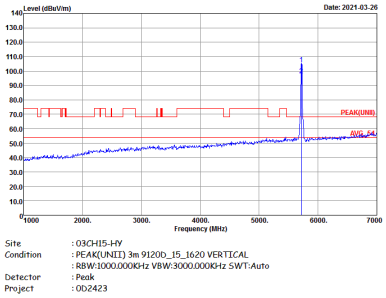
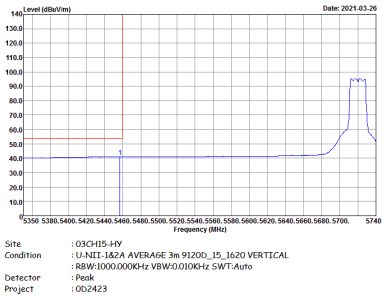
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.		

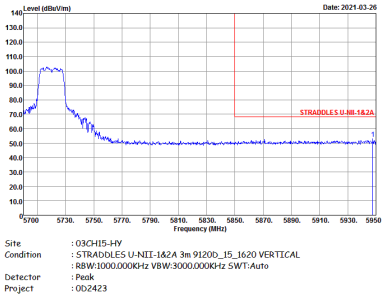
Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

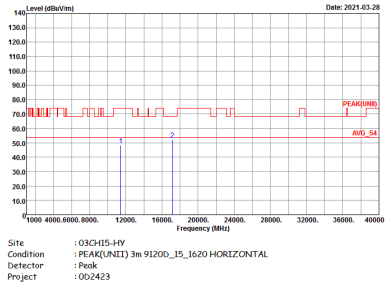
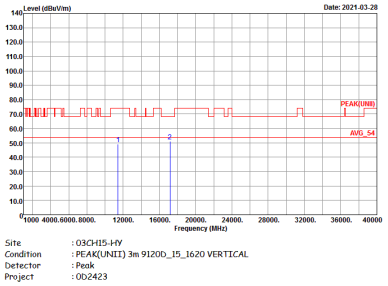
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.	Left blank	Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.	Left blank	Left blank

Band 3 - Straddle Channel

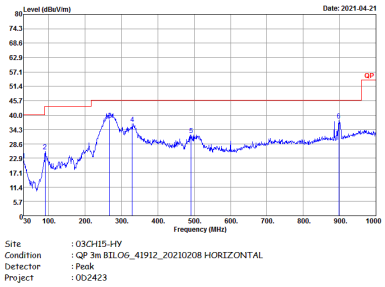
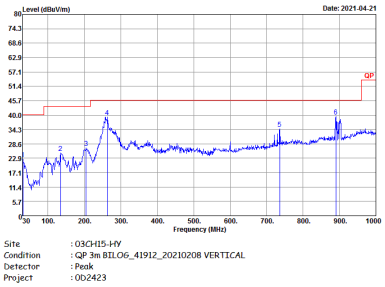
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 – Straddle Channel

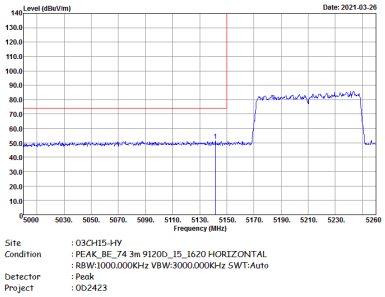
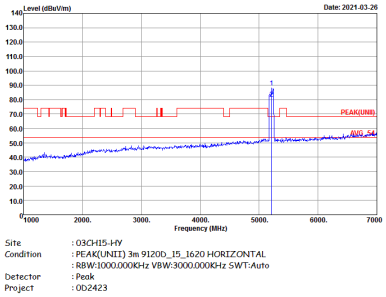
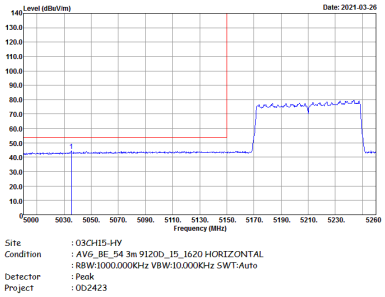
Emission below 1GHz

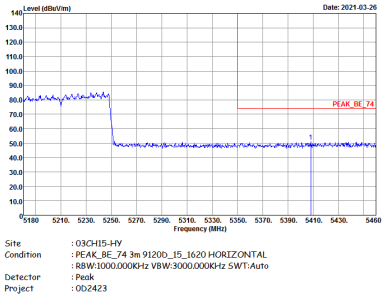
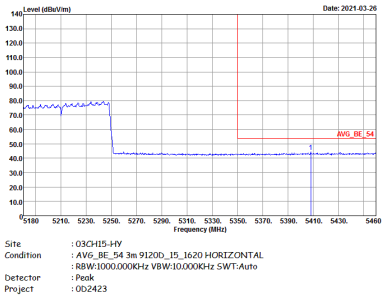
5GHz WIFI 802.11a (LF)

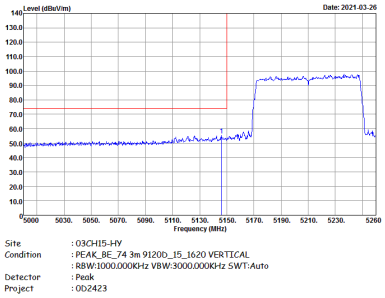
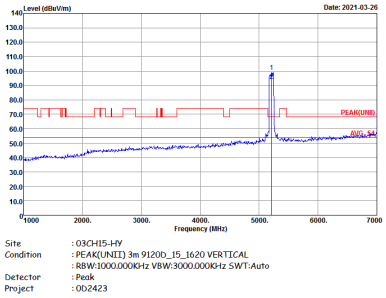
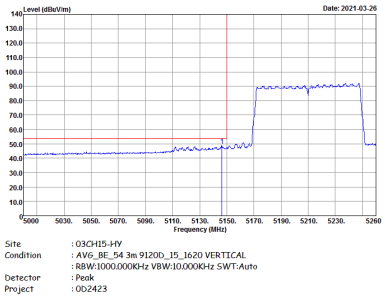
WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak		

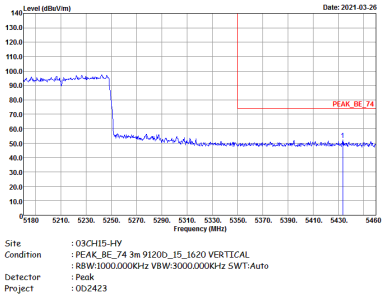
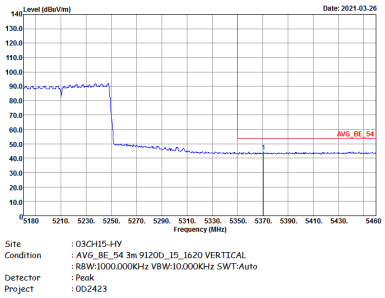
Band 1 - 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

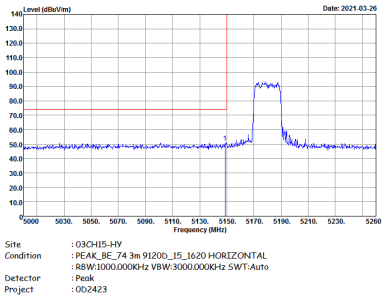
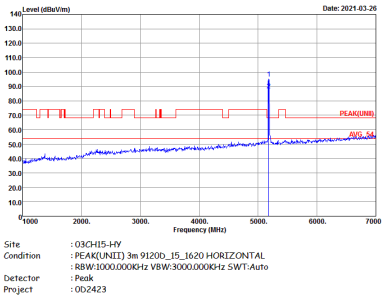
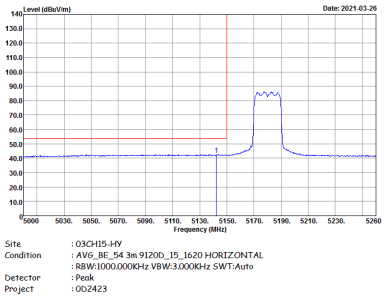
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

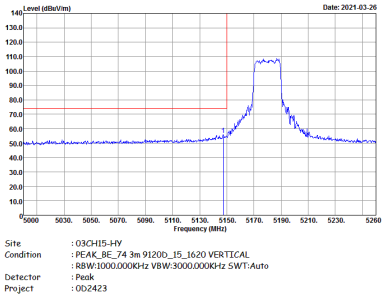
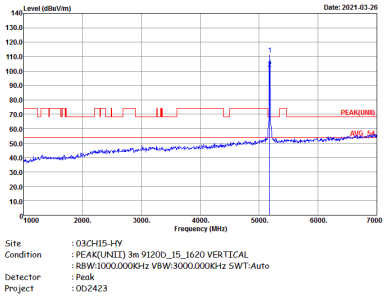
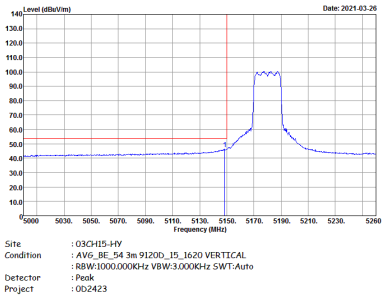
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

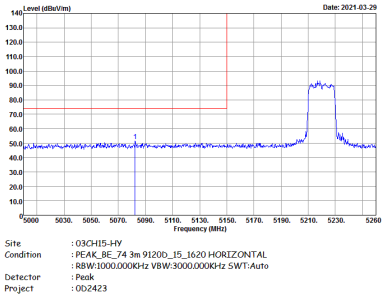
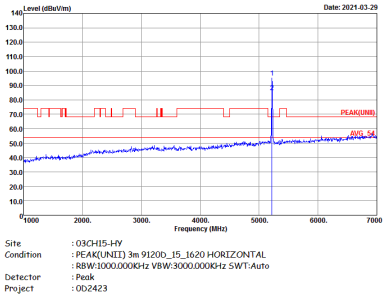
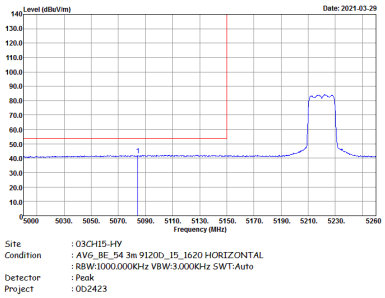
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

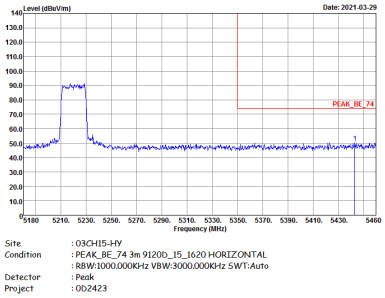
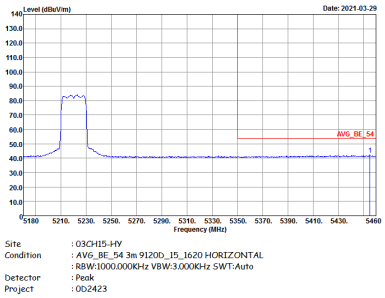
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

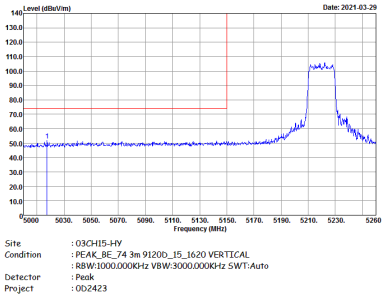
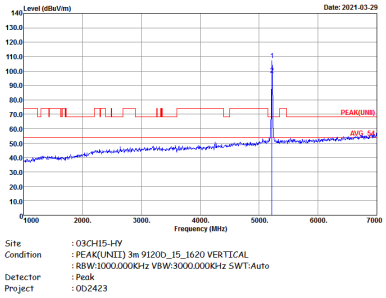
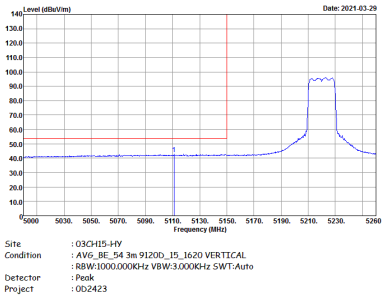
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

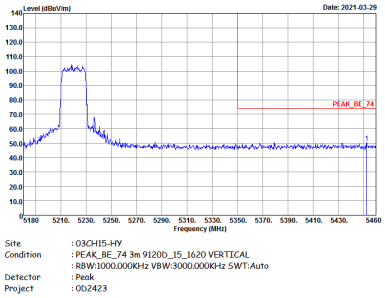
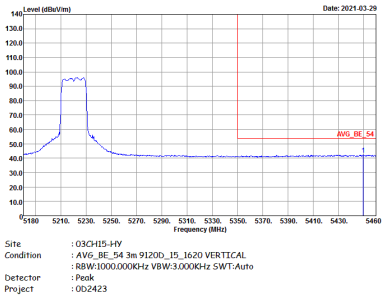
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

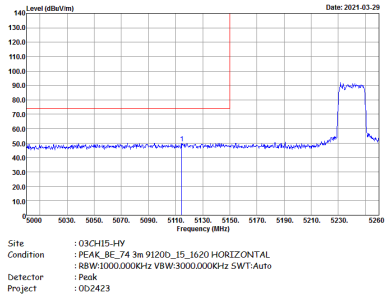
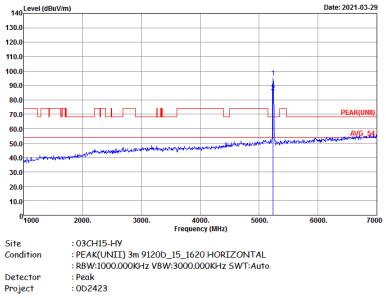
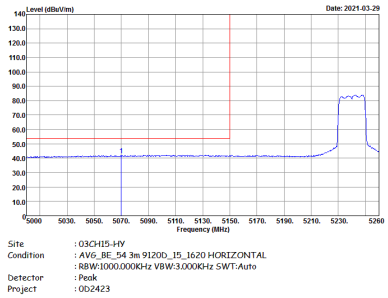
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

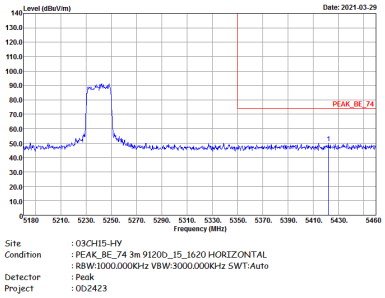
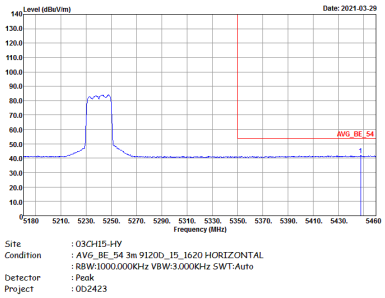
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

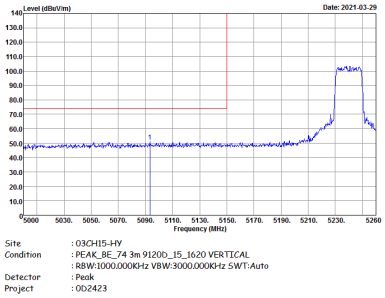
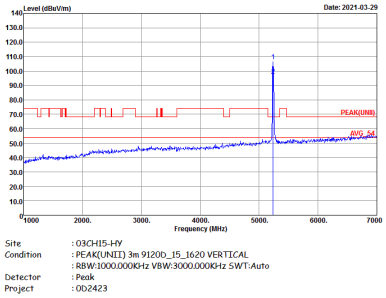
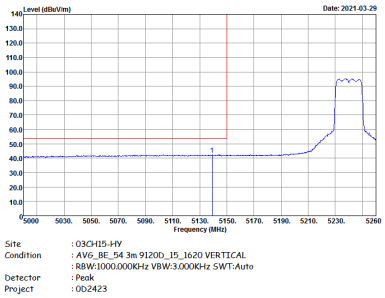
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

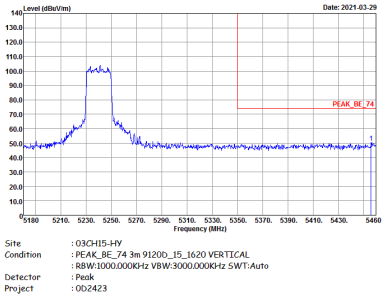
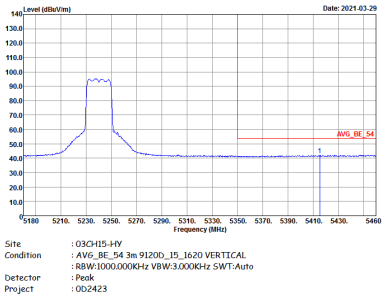
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

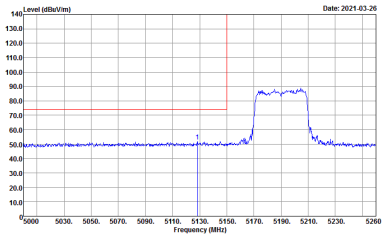
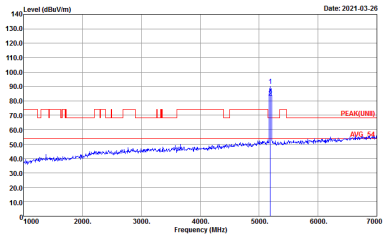
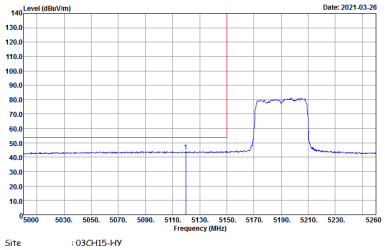
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

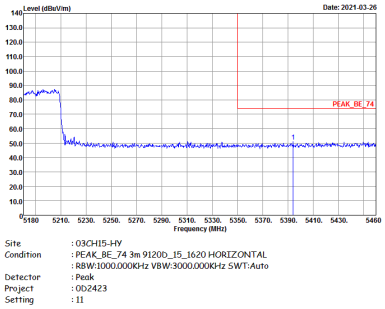
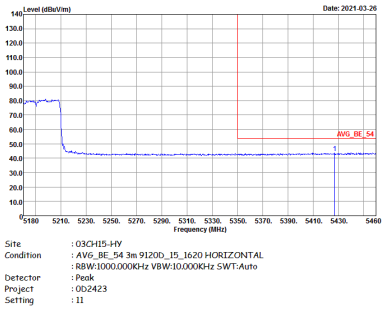
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

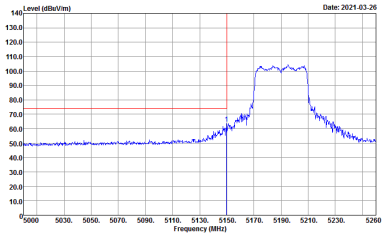
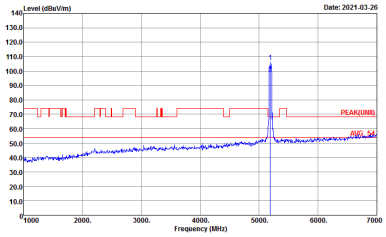
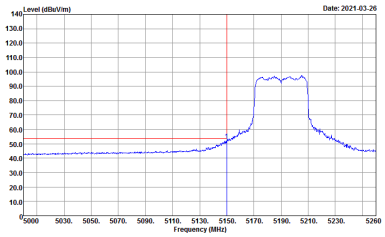
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

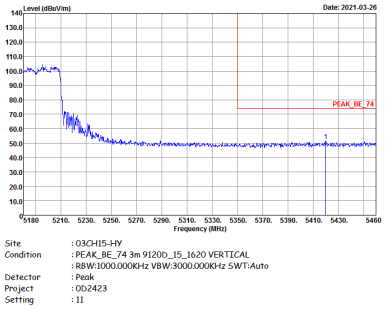
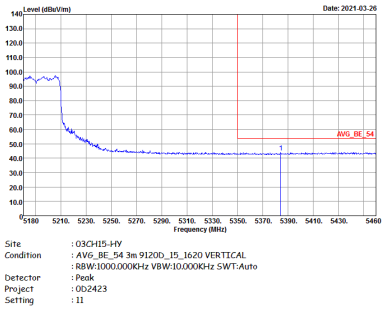
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

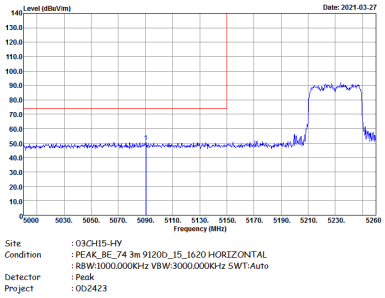
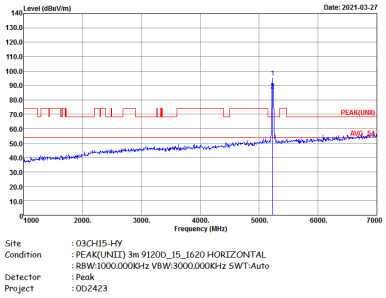
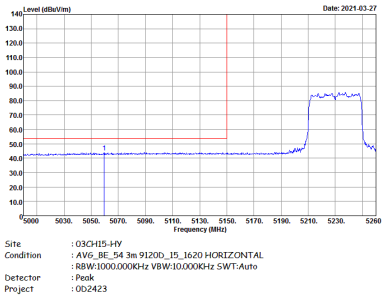
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

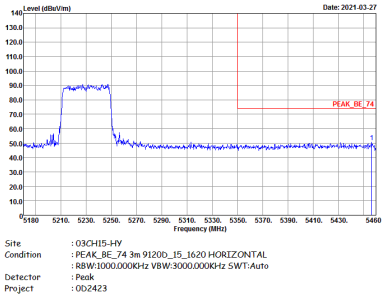
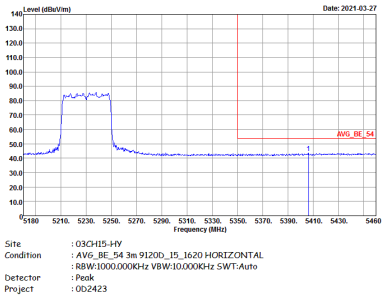
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

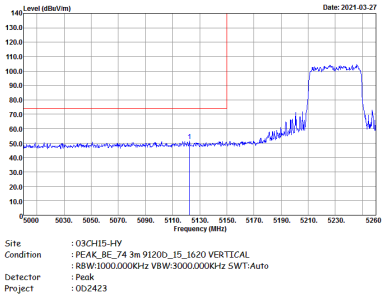
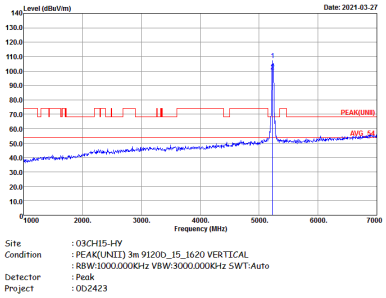
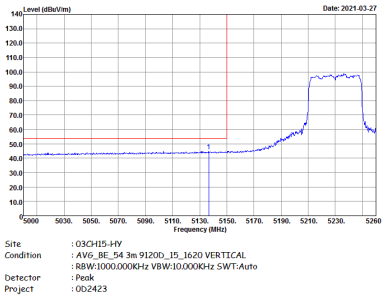
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

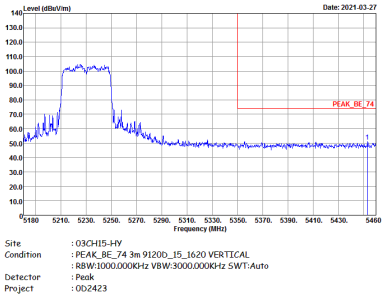
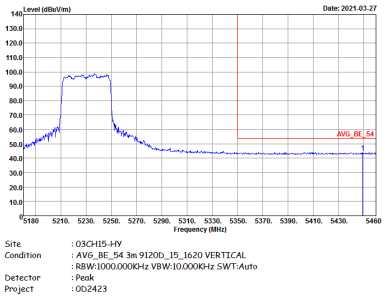
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 0D2423 Setting : 11	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 0D2423 Setting : 11
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 0D2423 Setting : 11	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

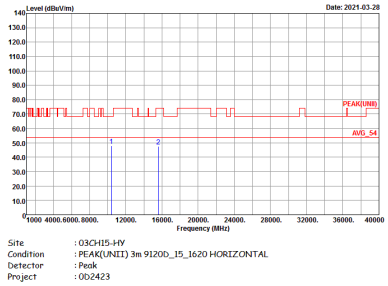
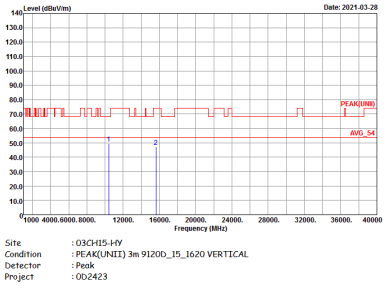
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

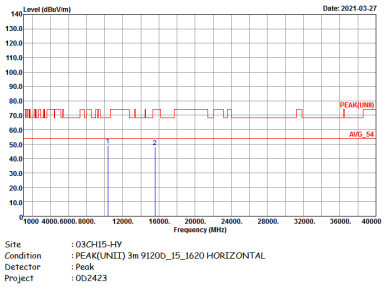
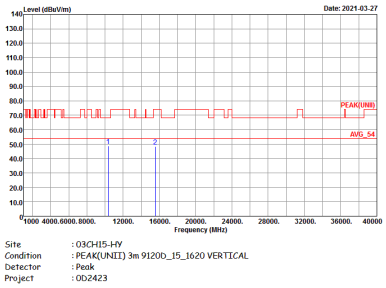
Band 1 - 5150~5250MHz

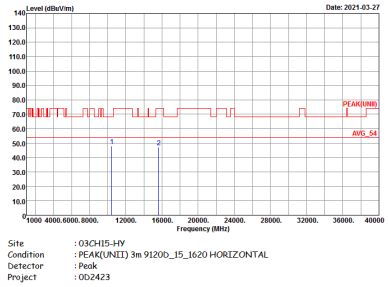
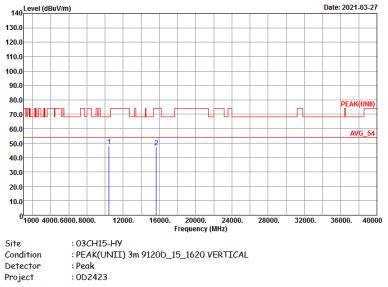
WIFI 802.11ac VHT80 (Harmonic @ 3m)

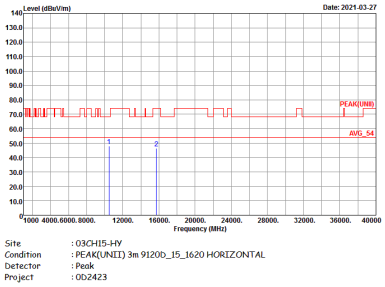
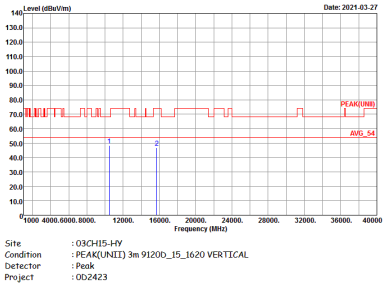
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 - 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

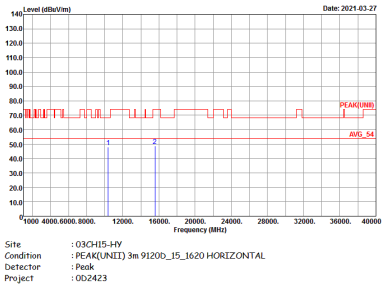
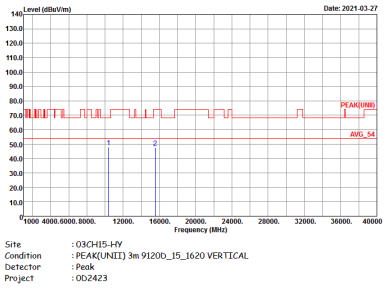
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

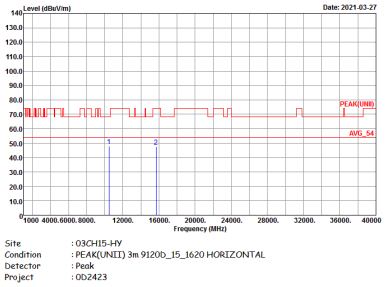
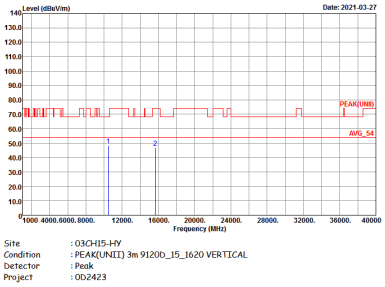
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 0D2423	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 0D2423

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

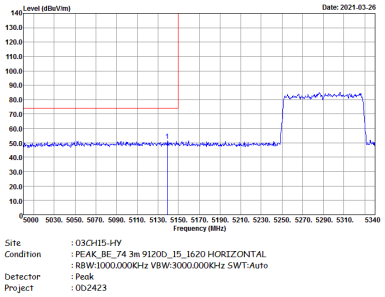
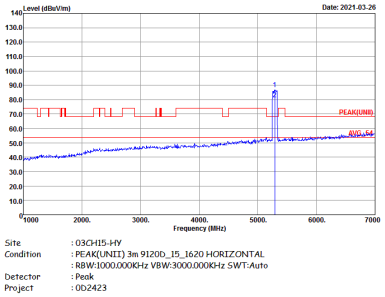
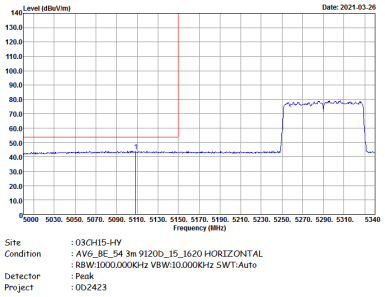
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

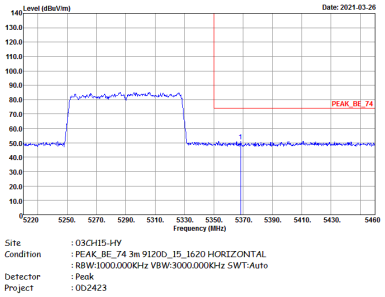
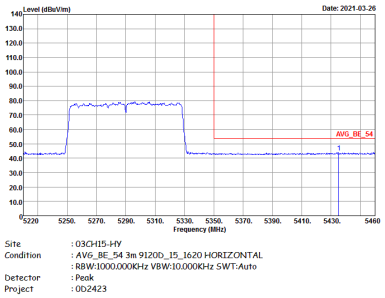
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.		

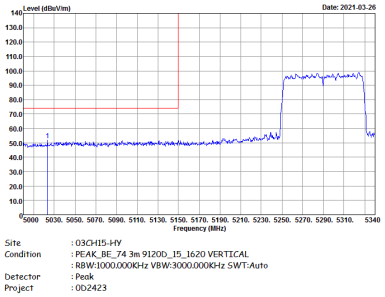
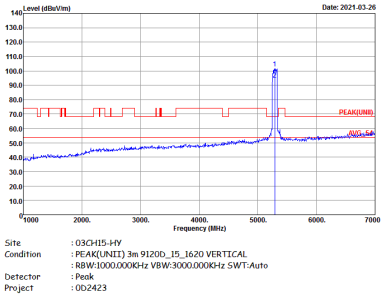
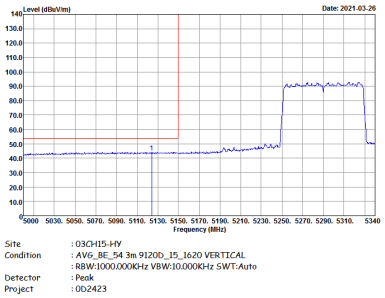
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 0D2423	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 0D2423

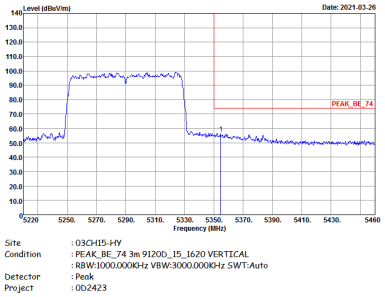
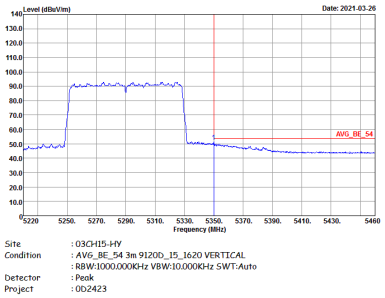
Band 2 - 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

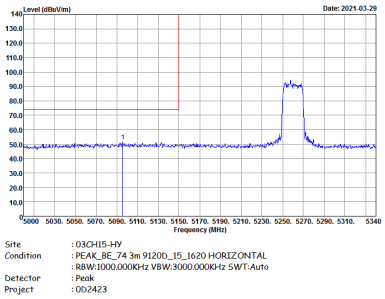
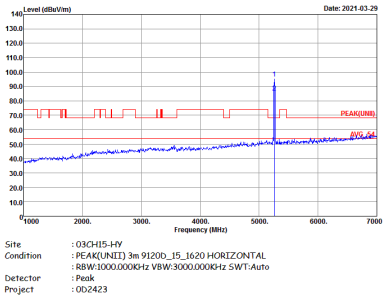
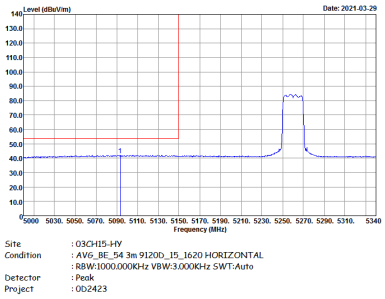
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank