FCC RADIO TEST REPORT

FCC ID	:	UZ7TC520L
Equipment	:	Touch Computer
Brand Name	:	Zebra
Model Name	:	TC520L
Applicant	:	Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742
Manufacturer	:	Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on Feb. 19, 2021 and testing was started from Mar. 26, 2021 and completed on May 07, 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.)

Table of Contents

History of this test report **3**
Summary of Test Result **4**
1 General Description **5**
1.1 Product Feature of Equipment Under Test 5
1.2 Product Specification of Equipment Under Test 6
1.3 Modification of EUT 7
1.4 Testing Location 8
1.5 Applicable Standards 8
2 Test Configuration of Equipment Under Test **9**
2.1 Carrier Frequency and Channel 9
2.2 Test Mode 11
2.3 Connection Diagram of Test System 21
2.4 Support Unit used in test configuration and system 23
2.5 EUT Operation Test Setup 23
2.6 Measurement Results Explanation Example 23
3 Test Result **24**
3.1 26dB & 99% Occupied Bandwidth Measurement 24
3.2 Maximum Conducted Output Power Measurement 34
3.3 Power Spectral Density Measurement 46
3.4 Unwanted Emissions Measurement 59
3.5 AC Conducted Emission Measurement 65
3.6 Automatically Discontinue Transmission 67
3.7 Antenna Requirements 68
4 List of Measuring Equipment **70**
5 Uncertainty of Evaluation **72**
Appendix A. AC Conducted Emission Test Result
Appendix B. Radiated Spurious Emission
Appendix C. Radiated Spurious Emission Plots
Appendix D. Duty Cycle Plots
Appendix E. Setup Photographs

History of this test report

Report No.	Version	Description	Issued Date
FR122002E	01	Initial issue of report	May 26, 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 1.09 dB at 5458.240 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 15.91 dB at 0.503 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: Celery Wei

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	TC520L
FCC ID	UZ7TC520L
EUT supports Radios application	NFC WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 WLAN 11ax HE20/HE40/HE80 Bluetooth BR/EDR/LE
HW Version	DV
SW Version	11-09-22.00-RG-U00-PRD-HEL-04
FW Version	FUSION_SA_2_1.1.0.012_R
MFD	07APR21
EUT Stage	Identical Prototype

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

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

1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna <CDD Mode>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 1 + 2>** 802.11a: 21.41 dBm / 0.1384 W 802.11n HT20: 21.31 dBm / 0.1352 W 802.11n HT40: 21.57 dBm / 0.1435 W 802.11ac VHT20: 21.31 dBm / 0.1352 W 802.11ac VHT40: 21.57 dBm / 0.1435 W 802.11ac VHT80: 18.01 dBm / 0.0632 W 802.11ax HE20: 21.46 dBm / 0.1400 W 802.11ax HE40: 21.91 dBm / 0.1552 W 802.11ax HE80: 18.31 dBm / 0.0678 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1 + 2>** 802.11a: 21.37 dBm / 0.1371 W 802.11n HT20: 21.26 dBm / 0.1337 W 802.11n HT40: 21.91 dBm / 0.1552 W 802.11ac VHT20: 21.26 dBm / 0.1337 W 802.11ac VHT40: 21.91 dBm / 0.1552 W 802.11ac VHT80: 17.91 dBm / 0.0618 W 802.11ax HE20: 21.41 dBm / 0.1384 W 802.11ax HE40: 22.06 dBm / 0.1607 W 802.11ax HE80: 18.21 dBm / 0.0662 W **<5500 MHz ~ 5700 MHz>** **MIMO <Ant. 1 + 2>** 802.11a: 21.27 dBm / 0.1340 W 802.11n HT20: 21.53 dBm / 0.1422 W 802.11n HT40: 21.81 dBm / 0.1517 W 802.11ac VHT20: 21.53 dBm / 0.1422 W 802.11ac VHT40: 21.81 dBm / 0.1517 W 802.11ac VHT80: 21.77 dBm / 0.1503 W 802.11ax HE20: 21.57 dBm / 0.1435 W 802.11ax HE40: 21.96 dBm / 0.1570 W 802.11ax HE80: 21.92 dBm / 0.1556 W
Maximum Output Power to Antenna <TXBF Mode>	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 1 + 2>** 802.11ax HE20: 20.36 dBm / 0.1086 W 802.11ax HE40: 20.67 dBm / 0.1167 W 802.11ax HE80: 13.41 dBm / 0.0219 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1 + 2>** 802.11ax HE20: 20.31 dBm / 0.1074 W 802.11ax HE40: 19.72 dBm / 0.0938 W 802.11ax HE80: 13.67 dBm / 0.0233 W **<5500 MHz ~ 5700 MHz>** **MIMO <Ant. 1 + 2>** 802.11ax HE20: 20.47 dBm / 0.1114 W 802.11ax HE40: 21.12 dBm / 0.1294 W 802.11ax HE80: 19.57 dBm / 0.0906 W

Product Specification subjective to this standard	
99% Occupied Bandwidth <CDD Mode>	**MIMO <Ant. 1>** 802.11a: 17.43 MHz 802.11ax HE20: 19.03 MHz 802.11ax HE40: 38.16 MHz 802.11ax HE80: 78.52 MHz **MIMO <Ant. 2>** 802.11a: 16.93 MHz 802.11ax HE20: 19.03 MHz 802.11ax HE40: 37.96 MHz 802.11ax HE80: 78.40 MHz
99% Occupied Bandwidth <TXBF Mode>	**MIMO <Ant. 1>** 802.11ax HE20: 19.03 MHz 802.11ax HE40: 37.96 MHz 802.11ax HE80: 78.40 MHz **MIMO <Ant. 2>** 802.11ax HE20: 18.98 MHz 802.11ax HE40: 37.96 MHz 802.11ax HE80: 78.40 MHz
Antenna Type / Gain	**<5180 MHz ~ 5240 MHz>** **Ant. 1 :** PIFA Antenna with gain 3.80 dBi **Ant. 2 :** PIFA Antenna with gain -0.10 dBi **<5260 MHz ~ 5320 MHz>** **Ant. 1 :** PIFA Antenna with gain 3.70 dBi **Ant. 2 :** PIFA Antenna with gain -0.10 dBi **<5500 MHz ~ 5700 MHz >** **Ant. 1 :** PIFA Antenna with gain 3.60 dBi **Ant. 2 :** PIFA Antenna with gain 2.80 dBi
Type of Modulation	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)
Antenna Function Description	

	Ant. 1	Ant. 2
802.11 a/n/ac/ax MIMO	V	V
802.11 ax TXBF	V	V

Note:

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. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY (TAF Code: 1190)
Remark	The AC Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

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, 03CH13-HY

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

FCC designation No.: TW1190 and 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 three orthogonal panels, X, Y, Z. The worst cases (X Plane for TXBF Mode; Z Plane for CDD 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.

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
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 (Covered by HE80)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

TXBF Mode

Modulation	Data Rate
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + Battery 1 + Scanner + Headset Jumper 1 + 2.5mm Earphone + Rugged Charge/USB cable (Charging from Adapter)
Remark: For Radiated Test Cases, the tests were performed with Battery 1, Headset Jumper 1 and 2.5mm Earphone.	

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
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

<CDD Mode>

MIMO <Ant. 1+2>

802.11a RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	Data Rate (bps)	Channel	Data Rate (bps)							
		6M		9M	12M	18M	24M	36M	48M	54M
CH 036	5180	20.62	CH 048	20.26	20.21	20.26	20.26	20.26	20.26	20.26
CH 044	5220	**21.41**								
CH 048	5240	**21.41**								
CH 052	5260	21.31	CH 052	20.21	20.16	20.26	20.21	20.26	20.26	20.21
CH 060	5300	**21.37**								
CH 064	5320	21.01								
CH 100	5500	21.13	CH 116	20.31	20.32	20.32	20.37	20.37	20.37	20.37
CH 116	5580	**21.27**								
CH 140	5700	18.27								
CH 144*	5720	20.84								

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

802.11n HT20 RF Output Power (dBm)											
Power vs. Channel			Power vs Data Rate								
Channel	Frequency (MHz)	MCS Index	Channel	MCS Index						
		MCS0		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 036	5180	20.36	CH 044	21.21	21.21	21.26	21.26	21.26	21.26	21.26
CH 044	5220	**21.31**								
CH 048	5240	21.26								
CH 052	5260	21.16	CH 060	21.16	21.16	21.21	21.21	21.21	21.21	21.21
CH 060	5300	**21.26**								
CH 064	5320	20.86								
CH 100	5500	21.17	CH 144*	21.48	21.48	21.48	21.44	21.48	21.48	21.48
CH 116	5580	21.27								
CH 140	5700	18.11								
CH 144*	5720	**21.53**								

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
CH 038	5190	18.12	CH 046	21.47	21.47	21.52	21.52	21.52	21.52	21.52
CH 046	5230	**21.57**								
CH 054	5270	**21.91**	CH 054	21.81	21.81	21.86	21.86	21.86	21.86	21.86
CH 062	5310	18.46								
CH 102	5510	18.76	CH 142*	21.72	21.77	21.77	21.72	21.72	21.77	21.77
CH 110	5550	18.67								
CH 134	5670	21.61								
CH 142*	5710	**21.81**								

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
CH 036	5180	20.36	CH 044	21.16	21.16	21.26	21.21	21.26	21.26	21.26	21.26
CH 044	5220	**21.31**									
CH 048	5240	21.26									
CH 052	5260	21.16	CH 060	21.16	21.11	21.21	21.21	21.21	21.21	21.21	21.21
CH 060	5300	**21.26**									
CH 064	5320	20.86									
CH 100	5500	21.17	CH 144*	21.38	21.38	21.37	21.38	21.38	21.43	21.37	21.43
CH 116	5580	21.27									
CH 140	5700	18.11									
CH 144*	5720	**21.53**									

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

802.11ac VHT40 RF Output Power (dBm)													
Power vs. Channel			Power vs Data Rate										
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index									
				MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 038	5190	18.12	CH 046	21.51	21.51	21.51	21.47	21.51	21.47	21.51	21.51	21.47
CH 046	5230	**21.57**										
CH 054	5270	**21.91**	CH 054	21.76	21.76	21.86	21.86	21.86	21.86	21.86	21.86	21.86
CH 062	5310	18.46										
CH 102	5510	18.76	CH 142*	21.62	21.62	21.62	21.67	21.57	21.63	21.57	21.63	21.57
CH 110	5550	18.67										
CH 134	5670	21.61										
CH 142*	5710	**21.81**										

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

802.11ac VHT80 RF Output Power (dBm)													
Power vs. Channel			Power vs Data Rate										
Channel	Frequency (MHz)	MCS Index MCS0	Channel	MCS Index									
				MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 042	5210	**18.01**	CH 042	17.97	17.87	17.97	17.97	17.97	17.97	17.97	17.97	17.97
CH 058	5290	**17.91**	CH 058	17.81	17.81	17.81	17.81	17.81	17.81	17.81	17.81	17.81
CH 106	5530	18.47	CH 138*	21.67	21.67	21.73	21.67	21.67	21.73	21.73	21.67	21.73
CH 122	5610	21.71										
CH 138*	5690	**21.77**										

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		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
CH 036	5180	Full	20.52	CH 044	21.31	21.36	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41
CH 036	5180	26/0	12.61												
CH 036	5180	52/37	15.51												
CH 036	5180	106/53	18.57												
CH 044	5220	Full	**21.46**												
CH 044	5220	26/4	14.46												
CH 044	5220	52/39	16.31												
CH 044	5220	106/53	19.51												
CH 048	5240	Full	**21.46**												
CH 048	5240	26/8	13.51												
CH 048	5240	52/40	16.07												
CH 048	5240	106/54	19.42												
CH 052	5260	Full	21.36	CH 060	21.26	21.26	21.31	21.36	21.36	21.36	21.36	21.31	21.36	21.36	21.36
CH 052	5260	26/0	13.37												
CH 052	5260	52/37	16.21												
CH 052	5260	106/53	19.41												
CH 060	5300	Full	**21.41**												
CH 060	5300	26/4	14.37												
CH 060	5300	52/39	16.27												
CH 060	5300	106/54	19.36												
CH 064	5320	Full	20.96												
CH 064	5320	26/8	13.23												
CH 064	5320	52/40	15.81												
CH 064	5320	106/54	19.16												

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		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
CH 100	5500	Full	21.32	CH 144*	21.53	21.53	21.48	21.48	21.44	21.48	21.44	21.48	21.48	21.48	21.48
CH 100	5500	26/0	13.37												
CH 100	5500	52/37	16.11												
CH 100	5500	106/53	19.77												
CH 116	5580	Full	21.37												
CH 116	5580	26/4	14.61												
CH 116	5580	52/38	16.66												
CH 116	5580	106/53	19.57												
CH 140	5700	Full	18.41												
CH 140	5700	26/8	9.71												
CH 140	5700	52/40	13.31												
CH 140	5700	106/54	16.37												
CH 144*	5720	Full	**21.57**												
CH 144*	5720	26/8	13.76												
CH 144*	5720	52/40	16.62												
CH 144*	5720	106/54	19.77												

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 MCS0	Channel	MCS Index										
					MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
CH 038	5190	Full	18.47	CH 046	21.81	21.81	21.81	21.86	21.86	21.87	21.87	21.87	21.87	21.87	21.87
CH 038	5190	242/61	15.46												
CH 046	5230	Full	**21.91**												
CH 046	5230	242/62	19.06												
CH 054	5270	Full	**22.06**	CH 054	22.01	22.01	22.01	22.01	22.01	22.01	22.01	22.01	22.01	22.01	22.01
CH 054	5270	242/61	19.16												
CH 062	5310	Full	18.81												
CH 062	5310	242/62	15.81												
CH 102	5510	Full	18.82	CH 134	21.86	21.86	21.86	21.86	21.86	21.71	21.71	21.76	21.66	21.66	21.76
CH 102	5510	242/61	15.91												
CH 110	5550	Full	19.07												
CH 110	5550	242/61	15.76												
CH 134	5670	Full	**21.96**												
CH 134	5670	242/62	18.91												
CH 142*	5710	Full	**21.96**												
CH 142*	5710	242/62	19.07												

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
CH 042	5210	Full	**18.31**	CH 042	18.27	18.27	18.17	18.12	18.17	18.11	18.12	18.17	18.11	18.11	18.17
CH 042	5210	484/65	15.36												
CH 058	5290	Full	**18.21**	CH 058	18.16	18.16	18.06	18.06	18.01	18.06	18.06	17.96	18.06	18.01	18.06
CH 058	5290	484/66	14.88												
CH 106	5530	Full	18.62	CH 138*	21.82	21.77	21.82	21.82	21.87	21.82	21.82	21.87	21.87	21.87	21.82
CH 106	5530	484/65	15.91												
CH 122	5610	Full	21.87												
CH 122	5610	484/66	18.61												
CH 138*	5690	Full	**21.92**												
CH 138*	5690	484/66	18.57												

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

<TXBF Mode>

MIMO <Ant. 1+2>

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		MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
CH 036	5180	Full	19.37	CH 048	20.26	20.21	20.26	20.26	20.26	20.26	20.26	20.26	20.26	20.26	20.26
CH 044	5220	Full	19.31												
CH 048	5240	Full	**20.36**												
CH 052	5260	Full	**20.31**	CH 052	20.21	20.16	20.26	20.21	20.26	20.26	20.21	20.26	20.26	20.26	20.26
CH 060	5300	Full	19.51												
CH 064	5320	Full	18.76												
CH 100	5500	Full	20.07	CH 116	20.31	20.32	20.32	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37
CH 116	5580	Full	**20.47**												
CH 140	5700	Full	17.12												
CH 144*	5720	Full	19.77												

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
CH 038	5190	Full	18.33	CH 046	20.52	20.52	20.52	20.52	20.62	20.62	20.62	20.57	20.62	20.62	20.62
CH 046	5230	Full	**20.67**												
CH 054	5270	Full	**19.72**	CH 054	19.67	19.67	19.67	19.67	19.67	19.67	19.67	19.67	19.67	19.67	19.67
CH 062	5310	Full	17.96												
CH 102	5510	Full	16.06	CH 142*	21.02	20.97	21.02	20.97	21.02	21.02	21.02	21.02	21.02	21.02	20.97
CH 110	5550	Full	17.46												
CH 134	5670	Full	16.81												
CH 142*	5710	Full	**21.12**												

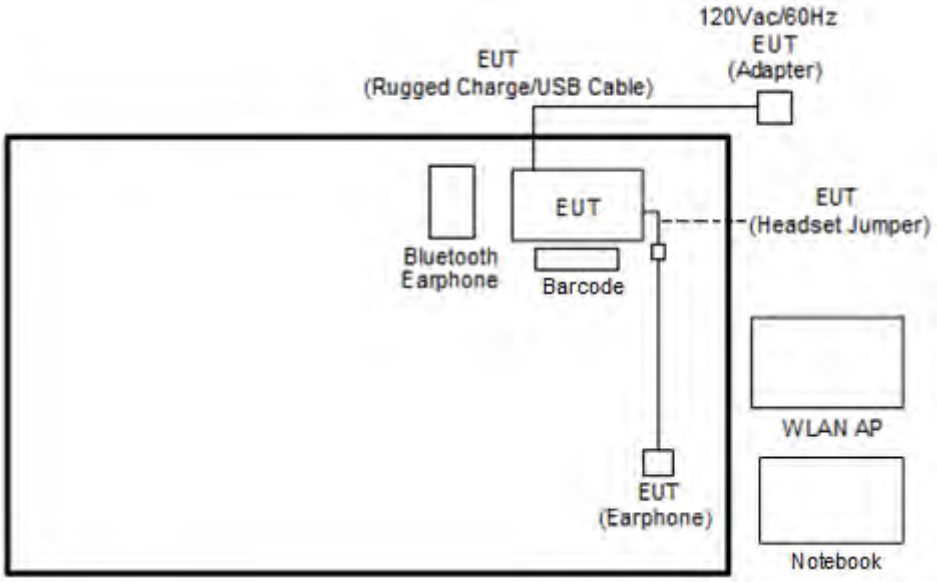
Note: The above Frequency and Channel in "*" were straddle Channel.

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
CH 042	5210	Full	**13.41**	CH 042	13.31	13.31	13.36	13.31	13.31	13.31	13.31	13.31	13.31	13.36	13.36
CH 058	5290	Full	**13.67**	CH 058	13.57	13.57	13.57	13.57	13.61	13.61	13.61	13.61	13.61	13.61	13.61
CH 106	5530	Full	15.41	CH 138*	19.46	19.47	19.47	19.52	19.51	19.52	19.52	19.52	19.52	19.52	19.52
CH 122	5610	Full	15.97												
CH 138*	5690	Full	**19.57**												

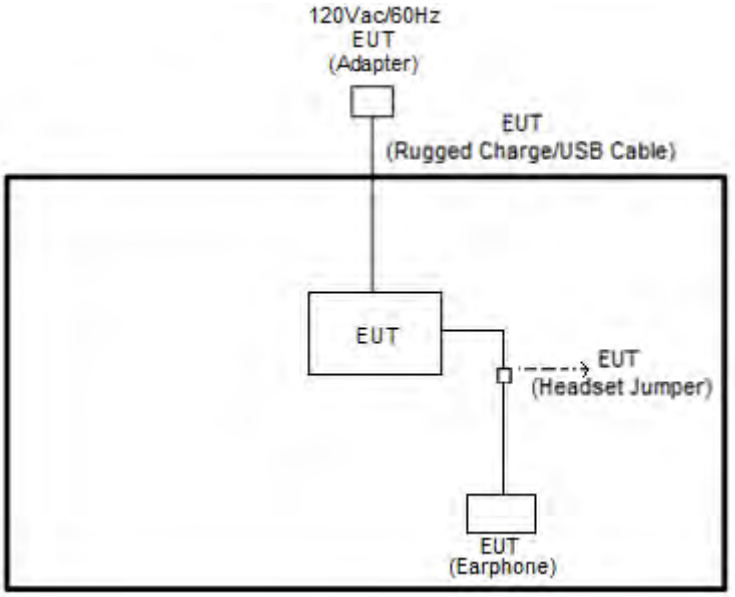
Note: The above Frequency and Channel in "*" were straddle Channel.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<CDD Mode>



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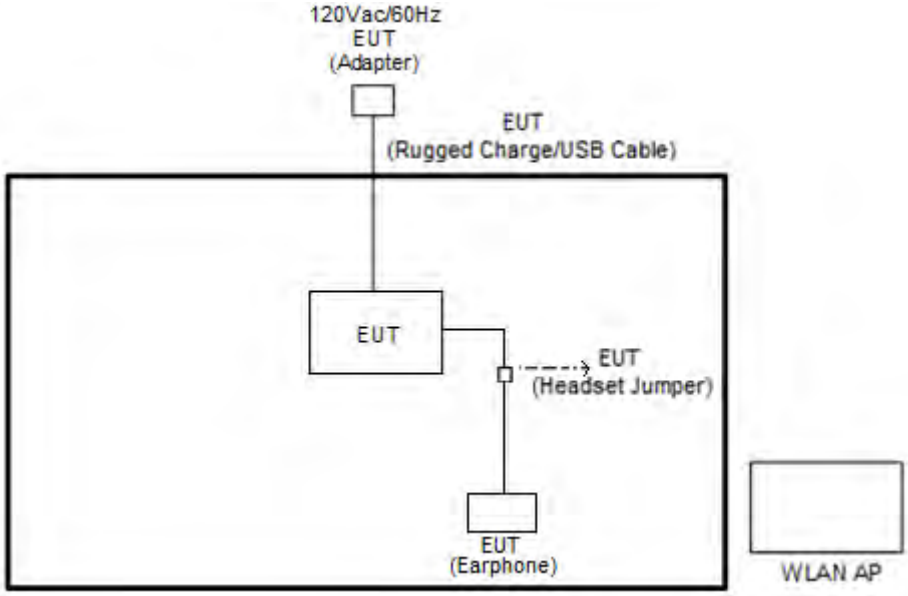


2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	WLAN AP	ASUS	RT-AX88U	MSQ-RTAXHP00	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
6.	Barcode	N/A	N/A	N/A	N/A	N/A

2.5 EUT Operation Test Setup

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

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

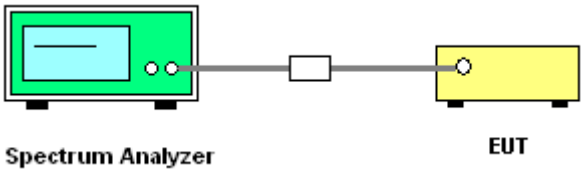
3.1.2 Measuring Instruments

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

<CDD Mode>

Test Engineer :	Ching Chen and Derek Hsu	Temperature :	23.1~24.7℃
		Relative Humidity :	55.9~58.8%

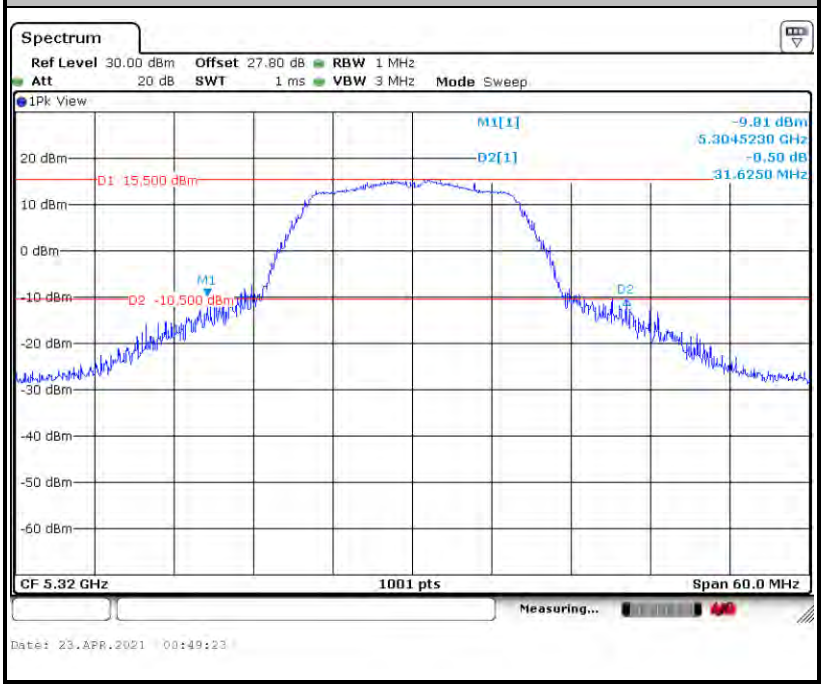
Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	36	5180	16.98	16.83	27.05	23.02	-		22.26	
11a	6Mbps	2	44	5220	17.13	16.88	**31.58**	23.09	-		22.27	
11a	6Mbps	2	48	5240	**17.43**	16.93	28.07	25.09	-		22.29	

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)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	52	5260	**17.13**	16.88	29.92	22.58	23.27		29.27		23.98	
11a	6Mbps	2	60	5300	**17.13**	16.88	28.90	24.22	23.27		29.27		23.98	
11a	6Mbps	2	64	5320	**17.13**	16.88	**31.63**	23.45	23.27		29.27		23.98	

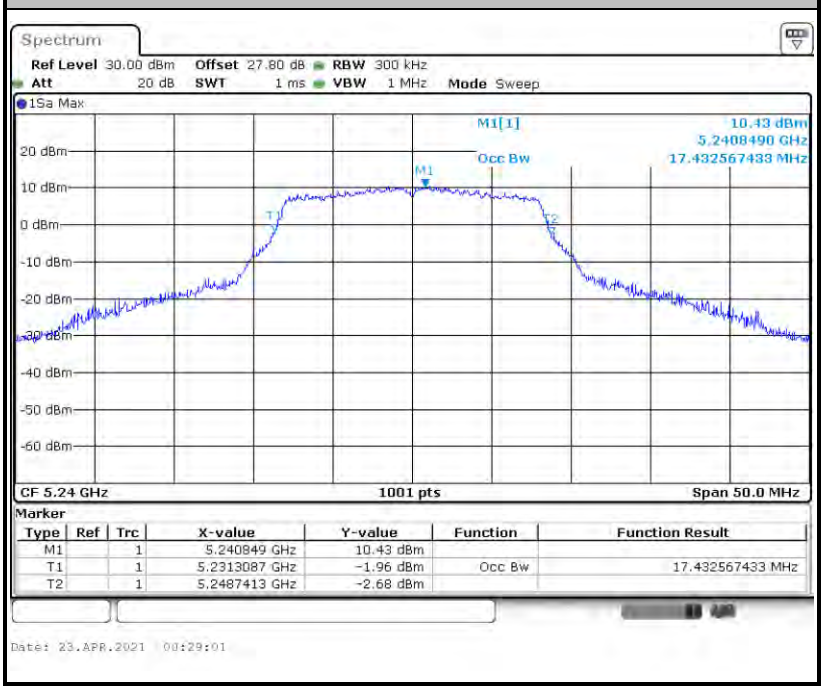
Band III MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	**17.18**	16.88	**31.50**	22.27	23.27		29.27		23.98		----	----
11a	6Mbps	2	116	5580	**17.18**	16.83	26.05	22.22	23.26		29.26		23.98		----	----
11a	6Mbps	2	140	5700	16.98	16.83	22.73	22.32	23.26		29.26		23.98		----	----

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
11a	6Mbps	2	144	5720	13.59	13.39	18.88	16.16	22.27		28.27		23.08		3.15	3.15

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

<802.11ax Mode>

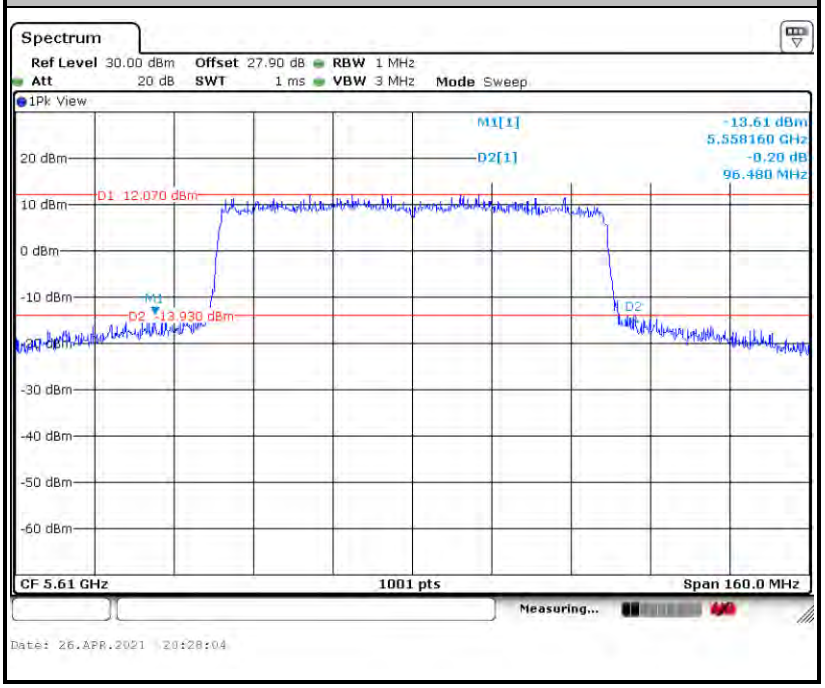
Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	36	5180	Full	18.98	18.93	22.55	22.50	-		22.77	
HE20	MCS0	2	44	5220	Full	19.03	18.98	27.60	23.00	-		22.78	
HE20	MCS0	2	48	5240	Full	18.98	18.98	27.05	23.60	-		22.78	
HE40	MCS0	2	38	5190	Full	37.86	37.86	41.13	41.04	-		23.01	
HE40	MCS0	2	46	5230	Full	38.16	37.96	71.55	43.74	-		23.01	
HE80	MCS0	2	42	5210	Full	**78.16**	**78.16**	**82.08**	**81.92**	-		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)	
						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	18.98	18.98	23.35	23.50	23.78		29.78		23.98	
HE20	MCS0	2	60	5300	Full	18.98	18.98	25.05	24.10	23.78		29.78		23.98	
HE20	MCS0	2	64	5320	Full	19.03	18.98	25.05	22.75	23.78		29.78		23.98	
HE40	MCS0	2	54	5270	Full	38.16	37.96	62.91	53.91	23.98		30.00		23.98	
HE40	MCS0	2	62	5310	Full	37.96	37.76	41.13	41.13	23.98		30.00		23.98	
HE80	MCS0	2	58	5290	Full	**78.40**	**78.40**	**81.92**	**81.92**	23.98		30.00		23.98	

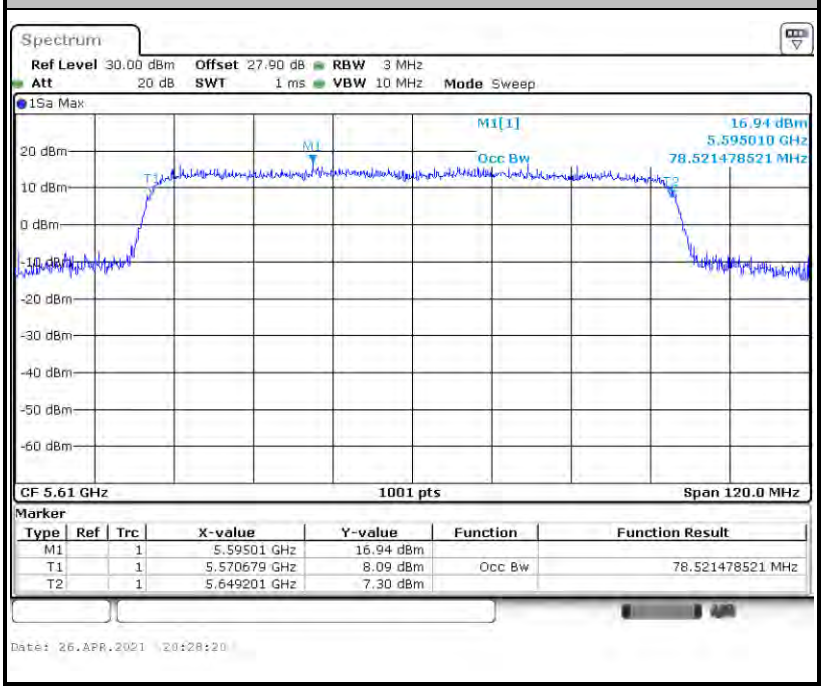
Band III MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	19.03	19.03	28.00	22.50	23.79		29.79		23.98		----	----
HE20	MCS0	2	116	5580	Full	19.03	18.93	29.10	22.55	23.77		29.77		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.93	18.93	22.55	22.35	23.77		29.77		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.76	37.96	40.95	41.22	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.86	37.86	41.04	41.04	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	38.06	37.86	59.49	45.90	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	78.16	78.40	81.92	82.08	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	**78.52**	78.40	**96.48**	81.60	23.98		30.00		23.98		----	----

Band III straddle channel MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	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
HE20	MCS0	2	144	5720	Full	14.54	14.49	17.35	16.90	22.61		28.61		23.28		4.35	4.35
HE40	MCS0	2	142	5710	Full	34.08	33.98	42.63	42.63	23.98		30.00		23.98		3.81	3.81
HE80	MCS0	2	138	5690	Full	74.44	74.32	90.04	75.96	23.98		30.00		23.98		**3.56**	**3.56**

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

<TXBF Mode>

Test Engineer :	Derek Hsu	Temperature :	23.1~24.7℃
		Relative Humidity :	55.9~58.8%

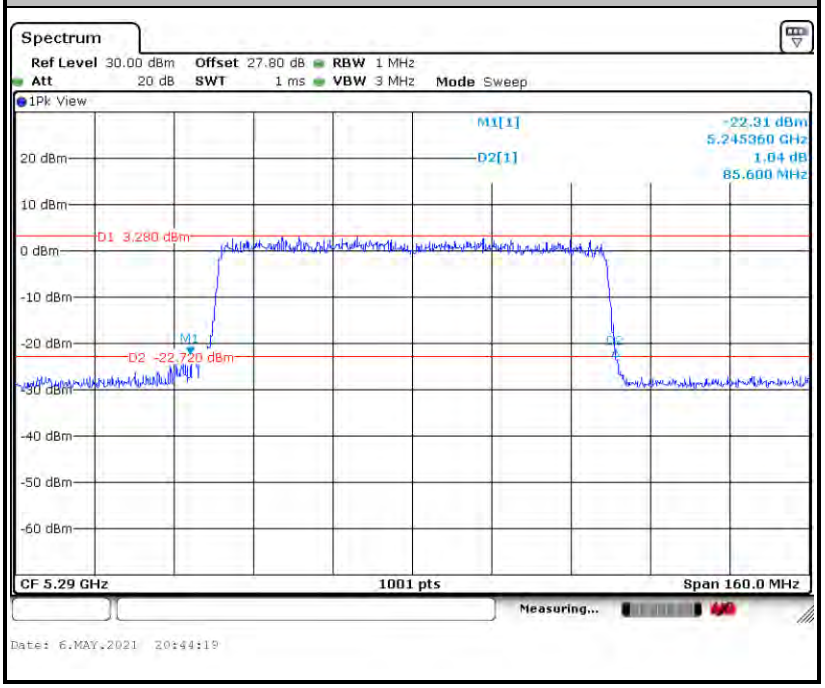
Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	36	5180	Full	18.93	18.98	22.37	22.47	-		22.77	
HE20	MCS0	2	44	5220	Full	18.93	18.98	22.63	22.17	-		22.77	
HE20	MCS0	2	48	5240	Full	18.98	18.98	25.30	22.32	-		22.78	
HE40	MCS0	2	38	5190	Full	37.86	37.86	42.53	43.28	-		23.01	
HE40	MCS0	2	46	5230	Full	37.96	37.96	46.94	42.68	-		23.01	
HE80	MCS0	2	42	5210	Full	**78.40**	**78.40**	**82.08**	**82.56**	-		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)	
						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	18.98	18.98	22.47	22.41	23.78		29.78		23.98	
HE20	MCS0	2	60	5300	Full	18.98	18.93	22.47	22.47	23.77		29.77		23.98	
HE20	MCS0	2	64	5320	Full	18.93	18.93	22.42	22.21	23.77		29.77		23.98	
HE40	MCS0	2	54	5270	Full	37.86	37.86	44.33	44.06	23.98		30.00		23.98	
HE40	MCS0	2	62	5310	Full	37.96	37.86	43.55	43.49	23.98		30.00		23.98	
HE80	MCS0	2	58	5290	Full	**78.40**	**78.40**	**84.32**	**85.60**	23.98		30.00		23.98	

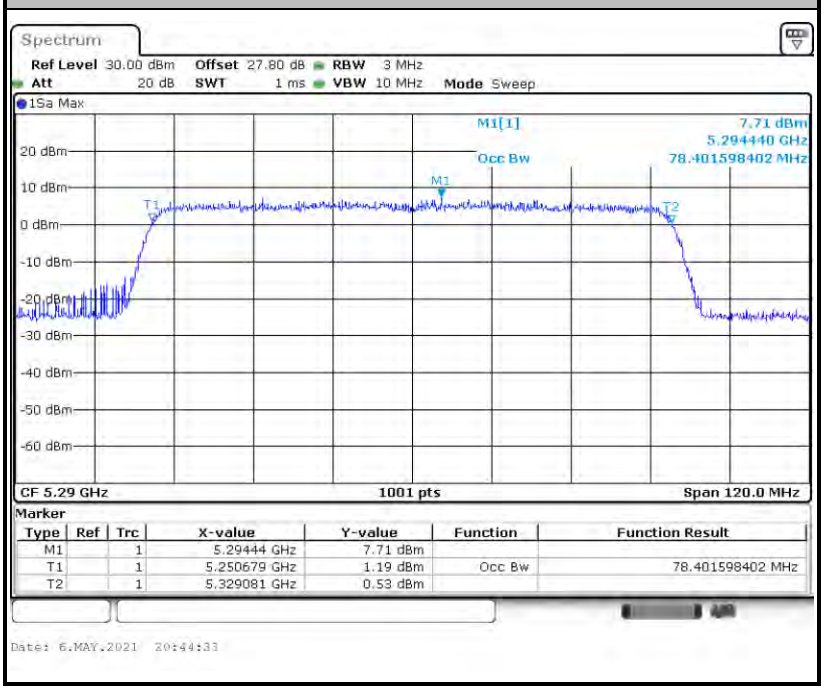
Band III MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	18.98	18.93	22.22	22.37	23.77		29.77		23.98		----	----
HE20	MCS0	2	116	5580	Full	19.03	18.98	24.79	22.52	23.78		29.78		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.98	18.93	22.37	22.32	23.77		29.77		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.86	37.96	42.50	42.71	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.86	37.86	42.32	43.58	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.96	37.86	42.71	43.58	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	**78.16**	78.16	81.92	81.92	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	78.16	78.28	82.08	82.08	23.98		30.00		23.98		----	----

Band III straddle channel MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	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
HE20	MCS0	2	144	5720	Full	14.49	14.54	16.26	16.11	22.61		28.61		23.07		4.25	4.2
HE40	MCS0	2	142	5710	Full	33.98	33.98	38.21	36.68	23.98		30.00		23.98		3.9	**3.72**
HE80	MCS0	2	138	5690	Full	74.20	74.20	76.12	76.92	23.98		30.00		23.98		3.88	**3.72**

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

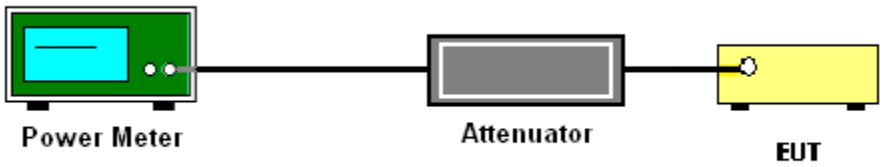
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

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

<CDD Mode>

Test Engineer :	Ching Chen and Derek Hsu	Temperature :	23.1~24.7℃
		Relative Humidity :	55.9~58.8%

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	
11a	6Mbps	2	36	5180	17.90	17.30	20.62	24.00		3.80		Pass
11a	6Mbps	2	44	5220	18.60	18.20	21.41	24.00		3.80		Pass
11a	6Mbps	2	48	5240	18.60	18.20	21.41	24.00		3.80		Pass
HT20	MCS0	2	36	5180	17.50	17.20	20.36	24.00		3.80		Pass
HT20	MCS0	2	44	5220	18.40	18.20	21.31	24.00		3.80		Pass
HT20	MCS0	2	48	5240	18.40	18.10	21.26	24.00		3.80		Pass
HT40	MCS0	2	38	5190	15.40	14.80	18.12	24.00		3.80		Pass
HT40	MCS0	2	46	5230	18.80	18.30	**21.57**	24.00		3.80		Pass
VHT20	MCS0	2	36	5180	17.50	17.20	20.36	24.00		3.80		Pass
VHT20	MCS0	2	44	5220	18.40	18.20	21.31	24.00		3.80		Pass
VHT20	MCS0	2	48	5240	18.40	18.10	21.26	24.00		3.80		Pass
VHT40	MCS0	2	38	5190	15.40	14.80	18.12	24.00		3.80		Pass
VHT40	MCS0	2	46	5230	18.80	18.30	**21.57**	24.00		3.80		Pass
VHT80	MCS0	2	42	5210	15.20	14.80	18.01	24.00		3.80		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		
11a	6Mbps	2	52	5260	18.50	18.10	21.31	23.98		3.70		30	Pass
11a	6Mbps	2	60	5300	18.60	18.10	21.37	23.98		3.70		30	Pass
11a	6Mbps	2	64	5320	18.10	17.90	21.01	23.98		3.70		30	Pass
HT20	MCS0	2	52	5260	18.20	18.10	21.16	23.98		3.70		30	Pass
HT20	MCS0	2	60	5300	18.30	18.20	21.26	23.98		3.70		30	Pass
HT20	MCS0	2	64	5320	17.90	17.80	20.86	23.98		3.70		30	Pass
HT40	MCS0	2	54	5270	19.00	18.80	**21.91**	23.98		3.70		30	Pass
HT40	MCS0	2	62	5310	15.50	15.40	18.46	23.98		3.70		30	Pass
VHT20	MCS0	2	52	5260	18.20	18.10	21.16	23.98		3.70		30	Pass
VHT20	MCS0	2	60	5300	18.30	18.20	21.26	23.98		3.70		30	Pass
VHT20	MCS0	2	64	5320	17.90	17.80	20.86	23.98		3.70		30	Pass
VHT40	MCS0	2	54	5270	19.00	18.80	**21.91**	23.98		3.70		30	Pass
VHT40	MCS0	2	62	5310	15.50	15.40	18.46	23.98		3.70		30	Pass
VHT80	MCS0	2	58	5290	14.80	15.00	17.91	23.98		3.70		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		
11a	6Mbps	2	100	5500	18.50	17.70	21.13	23.98		3.60		30	Pass
11a	6Mbps	2	116	5580	18.60	17.90	21.27	23.98		3.60		30	Pass
11a	6Mbps	2	140	5700	15.50	15.00	18.27	23.98		3.60		30	Pass
HT20	MCS0	2	100	5500	18.50	17.80	21.17	23.98		3.60		30	Pass
HT20	MCS0	2	116	5580	18.60	17.90	21.27	23.98		3.60		30	Pass
HT20	MCS0	2	140	5700	15.30	14.90	18.11	23.98		3.60		30	Pass
HT40	MCS0	2	102	5510	15.90	15.60	18.76	23.98		3.60		30	Pass
HT40	MCS0	2	110	5550	16.00	15.30	18.67	23.98		3.60		30	Pass
HT40	MCS0	2	134	5670	18.70	18.50	21.61	23.98		3.60		30	Pass
VHT20	MCS0	2	100	5500	18.50	17.80	21.17	23.98		3.60		30	Pass
VHT20	MCS0	2	116	5580	18.60	17.90	21.27	23.98		3.60		30	Pass
VHT20	MCS0	2	140	5700	15.30	14.90	18.11	23.98		3.60		30	Pass
VHT40	MCS0	2	102	5510	15.90	15.60	18.76	23.98		3.60		30	Pass
VHT40	MCS0	2	110	5550	16.00	15.30	18.67	23.98		3.60		30	Pass
VHT40	MCS0	2	134	5670	18.70	18.50	21.61	23.98		3.60		30	Pass
VHT80	MCS0	2	106	5530	15.80	15.10	18.47	23.98		3.60		30	Pass
VHT80	MCS0	2	122	5610	18.90	18.50	21.71	23.98		3.60		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		
11a	6Mbps	2	144	5720	18.30	17.30	20.84	23.08		3.60		30	Pass
HT20	MCS0	2	144	5720	18.90	18.10	21.53	23.28		3.60		30	Pass
HT40	MCS0	2	142	5710	19.00	18.60	**21.81**	23.98		3.60		30	Pass
VHT20	MCS0	2	144	5720	18.90	18.10	21.53	23.28		3.60		30	Pass
VHT40	MCS0	2	142	5710	19.00	18.60	**21.81**	23.98		3.60		30	Pass
VHT80	MCS0	2	138	5690	19.10	18.40	21.77	23.98		3.60		30	Pass

<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	17.80	17.20	20.52	24.00		3.80		Pass
HE20	MCS0	2	36	5180	26/0	9.60	9.60	12.61	24.00		3.80		Pass
HE20	MCS0	2	36	5180	52/37	12.60	12.40	15.51	24.00		3.80		Pass
HE20	MCS0	2	36	5180	106/53	15.80	15.30	18.57	24.00		3.80		Pass
HE20	MCS0	2	44	5220	Full	18.60	18.30	21.46	24.00		3.80		Pass
HE20	MCS0	2	44	5220	26/4	11.60	11.30	14.46	24.00		3.80		Pass
HE20	MCS0	2	44	5220	52/39	13.50	13.10	16.31	24.00		3.80		Pass
HE20	MCS0	2	44	5220	106/53	16.70	16.30	19.51	24.00		3.80		Pass
HE20	MCS0	2	48	5240	Full	18.60	18.30	21.46	24.00		3.80		Pass
HE20	MCS0	2	48	5240	26/8	10.70	10.30	13.51	24.00		3.80		Pass
HE20	MCS0	2	48	5240	52/40	13.30	12.80	16.07	24.00		3.80		Pass
HE20	MCS0	2	48	5240	106/54	16.70	16.10	19.42	24.00		3.80		Pass
HE40	MCS0	2	38	5190	Full	15.70	15.20	18.47	24.00		3.80		Pass
HE40	MCS0	2	38	5190	242/61	12.50	12.40	15.46	24.00		3.80		Pass
HE40	MCS0	2	46	5230	Full	19.10	18.70	**21.91**	24.00		3.80		Pass
HE40	MCS0	2	46	5230	242/62	16.20	15.90	19.06	24.00		3.80		Pass
HE80	MCS0	2	42	5210	Full	15.50	15.10	18.31	24.00		3.80		Pass
HE80	MCS0	2	42	5210	484/65	12.50	12.20	15.36	24.00		3.80		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	18.50	18.20	21.36	23.98		3.70		30	Pass
HE20	MCS0	2	52	5260	26/0	10.60	10.10	13.37	23.98		3.70		30	Pass
HE20	MCS0	2	52	5260	52/37	13.40	13.00	16.21	23.98		3.70		30	Pass
HE20	MCS0	2	52	5260	106/53	16.50	16.30	19.41	23.98		3.70		30	Pass
HE20	MCS0	2	60	5300	Full	18.50	18.30	21.41	23.98		3.70		30	Pass
HE20	MCS0	2	60	5300	26/4	11.60	11.10	14.37	23.98		3.70		30	Pass
HE20	MCS0	2	60	5300	52/39	13.50	13.00	16.27	23.98		3.70		30	Pass
HE20	MCS0	2	60	5300	106/54	16.40	16.30	19.36	23.98		3.70		30	Pass
HE20	MCS0	2	64	5320	Full	18.10	17.80	20.96	23.98		3.70		30	Pass
HE20	MCS0	2	64	5320	26/8	10.60	9.80	13.23	23.98		3.70		30	Pass
HE20	MCS0	2	64	5320	52/40	13.00	12.60	15.81	23.98		3.70		30	Pass
HE20	MCS0	2	64	5320	106/54	16.20	16.10	19.16	23.98		3.70		30	Pass
HE40	MCS0	2	54	5270	Full	19.20	18.90	**22.06**	23.98		3.70		30	Pass
HE40	MCS0	2	54	5270	242/61	16.20	16.10	19.16	23.98		3.70		30	Pass
HE40	MCS0	2	62	5310	Full	15.90	15.70	18.81	23.98		3.70		30	Pass
HE40	MCS0	2	62	5310	242/62	12.90	12.70	15.81	23.98		3.70		30	Pass
HE80	MCS0	2	58	5290	Full	15.20	15.20	18.21	23.98		3.70		30	Pass
HE80	MCS0	2	58	5290	484/66	12.30	11.40	14.88	23.98		3.70		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	18.60	18.00	21.32	23.98		3.60		30	Pass
HE20	MCS0	2	100	5500	26/0	10.60	10.10	13.37	23.98		3.60		30	Pass
HE20	MCS0	2	100	5500	52/37	13.30	12.90	16.11	23.98		3.60		30	Pass
HE20	MCS0	2	100	5500	106/53	17.00	16.50	19.77	23.98		3.60		30	Pass
HE20	MCS0	2	116	5580	Full	18.70	18.00	21.37	23.98		3.60		30	Pass
HE20	MCS0	2	116	5580	26/4	11.60	11.60	14.61	23.98		3.60		30	Pass
HE20	MCS0	2	116	5580	52/38	13.80	13.50	16.66	23.98		3.60		30	Pass
HE20	MCS0	2	116	5580	106/53	16.80	16.30	19.57	23.98		3.60		30	Pass
HE20	MCS0	2	140	5700	Full	15.60	15.20	18.41	23.98		3.60		30	Pass
HE20	MCS0	2	140	5700	26/8	6.70	6.70	9.71	23.98		3.60		30	Pass
HE20	MCS0	2	140	5700	52/40	10.50	10.10	13.31	23.98		3.60		30	Pass
HE20	MCS0	2	140	5700	106/54	13.60	13.10	16.37	23.98		3.60		30	Pass
HE40	MCS0	2	102	5510	Full	16.10	15.50	18.82	23.98		3.60		30	Pass
HE40	MCS0	2	102	5510	242/61	13.00	12.80	15.91	23.98		3.60		30	Pass
HE40	MCS0	2	110	5550	Full	16.30	15.80	19.07	23.98		3.60		30	Pass
HE40	MCS0	2	110	5550	242/61	12.90	12.60	15.76	23.98		3.60		30	Pass
HE40	MCS0	2	134	5670	Full	19.10	18.80	**21.96**	23.98		3.60		30	Pass
HE40	MCS0	2	134	5670	242/62	16.00	15.80	18.91	23.98		3.60		30	Pass
HE80	MCS0	2	106	5530	Full	15.90	15.30	18.62	23.98		3.60		30	Pass
HE80	MCS0	2	106	5530	484/65	13.10	12.70	15.91	23.98		3.60		30	Pass
HE80	MCS0	2	122	5610	Full	19.10	18.60	21.87	23.98		3.60		30	Pass
HE80	MCS0	2	122	5610	484/66	15.80	15.40	18.61	23.98		3.60		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	18.90	18.20	21.57	23.28		3.60		30	Pass
HE20	MCS0	2	144	5720	26/8	10.90	10.60	13.76	23.28		3.60		30	Pass
HE20	MCS0	2	144	5720	52/40	13.90	13.30	16.62	23.28		3.60		30	Pass
HE20	MCS0	2	144	5720	106/54	17.00	16.50	19.77	23.28		3.60		30	Pass
HE40	MCS0	2	142	5710	Full	19.10	18.80	**21.96**	23.98		3.60		30	Pass
HE40	MCS0	2	142	5710	242/62	16.40	15.70	19.07	23.98		3.60		30	Pass
HE80	MCS0	2	138	5690	Full	19.20	18.60	21.92	23.98		3.60		30	Pass
HE80	MCS0	2	138	5690	484/66	15.80	15.30	18.57	23.98		3.60		30	Pass

<TXBF Mode>

Test Engineer :	Derek Hsu	Temperature :	23.1~24.7℃
		Relative Humidity :	55.9~58.8%

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	16.60	16.10	19.37	24.00		5.08		Pass
HE20	MCS0	2	44	5220	Full	16.40	16.20	19.31	24.00		5.08		Pass
HE20	MCS0	2	48	5240	Full	17.50	17.20	20.36	24.00		5.08		Pass
HE40	MCS0	2	38	5190	Full	15.70	14.90	18.33	24.00		5.08		Pass
HE40	MCS0	2	46	5230	Full	18.00	17.30	**20.67**	24.00		5.08		Pass
HE80	MCS0	2	42	5210	Full	10.50	10.30	13.41	24.00		5.08		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	17.40	17.20	**20.31**	23.98		5.02		30	Pass
HE20	MCS0	2	60	5300	Full	16.60	16.40	19.51	23.98		5.02		30	Pass
HE20	MCS0	2	64	5320	Full	15.90	15.60	18.76	23.98		5.02		30	Pass
HE40	MCS0	2	54	5270	Full	17.00	16.40	19.72	23.98		5.02		30	Pass
HE40	MCS0	2	62	5310	Full	15.10	14.80	17.96	23.98		5.02		30	Pass
HE80	MCS0	2	58	5290	Full	11.30	9.90	13.67	23.98		5.02		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	17.40	16.70	20.07	23.76		6.22		30	Pass
HE20	MCS0	2	116	5580	Full	17.70	17.20	20.47	23.76		6.22		30	Pass
HE20	MCS0	2	140	5700	Full	14.40	13.80	17.12	23.76		6.22		30	Pass
HE40	MCS0	2	102	5510	Full	13.20	12.90	16.06	23.76		6.22		30	Pass
HE40	MCS0	2	110	5550	Full	14.60	14.30	17.46	23.76		6.22		30	Pass
HE40	MCS0	2	134	5670	Full	13.90	13.70	16.81	23.76		6.22		30	Pass
HE80	MCS0	2	106	5530	Full	12.60	12.20	15.41	23.76		6.22		30	Pass
HE80	MCS0	2	122	5610	Full	13.20	12.70	15.97	23.76		6.22		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	17.10	16.40	19.77	22.85		6.22		30	Pass
HE40	MCS0	2	142	5710	Full	18.40	17.80	**21.12**	23.76		6.22		30	Pass
HE80	MCS0	2	138	5690	Full	16.80	16.30	19.57	23.76		6.22		30	Pass

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

<CDD Modes>

 # Method SA-2 #

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

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

<TXBF Modes>

 # Method SA-3 #

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

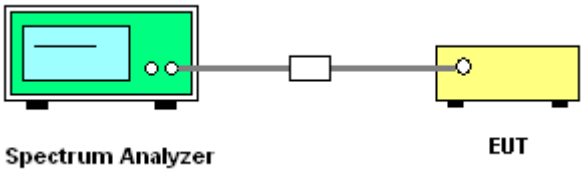
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x),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

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

<CDD Mode>

Test Engineer :	Ching Chen and Derek Hsu	Temperature :	23.1~24.7℃
		Relative Humidity :	55.9~58.8%

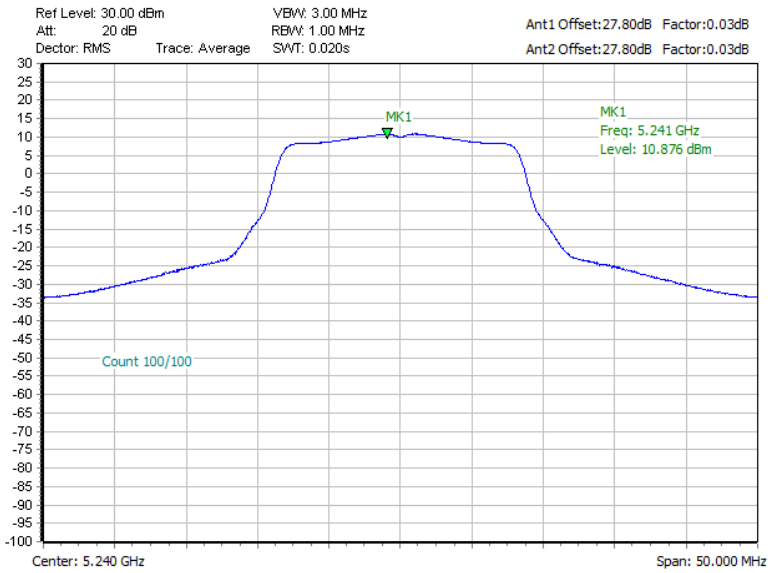
FCC Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	0.03	0.03			9.94	11.00		5.08		Pass
11a	6Mbps	2	44	5220	0.03	0.03			10.82	11.00		5.08		Pass
11a	6Mbps	2	48	5240	0.03	0.03			**10.88**	11.00		5.08		Pass

Band II MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	0.03	0.03			10.65	11.00		5.02		Pass
11a	6Mbps	2	60	5300	0.03	0.03			**10.80**	11.00		5.02		Pass
11a	6Mbps	2	64	5320	0.03	0.03			10.47	11.00		5.02		Pass

Band III MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500	0.03	0.03			10.69	10.78		6.22		Pass
11a	6Mbps	2	116	5580	0.03	0.03			10.69	10.78		6.22		Pass
11a	6Mbps	2	140	5700	0.03	0.03			7.73	10.78		6.22		Pass

Band III straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	144	5720	0.03	0.03			**10.71**	10.78		6.22		Pass

Worst Case Power Density (dBm/MHz)



<802.11ax Mode>

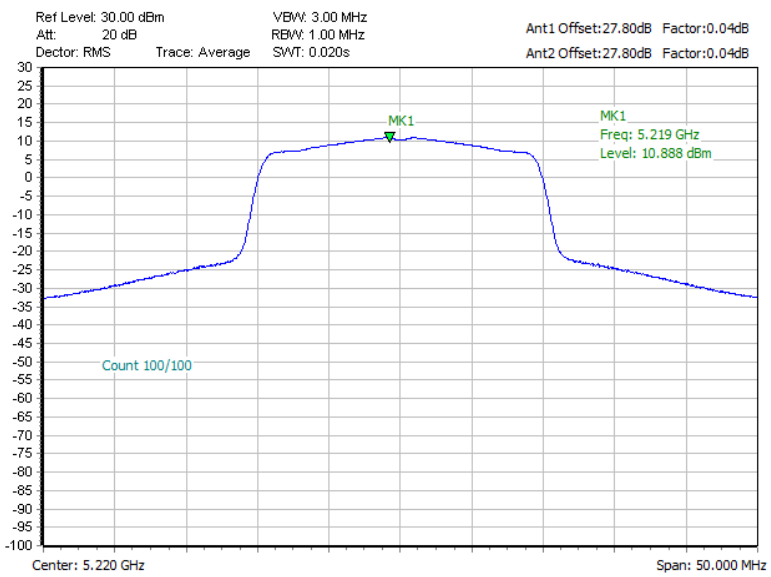
FCC Band I MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	36	5180	Full	0.04	0.04			9.86	11.00		5.08		Pass
HE20	MCS0	2	36	5180	26/0	0.10	0.10			9.77	11.00		5.08		Pass
HE20	MCS0	2	36	5180	52/37	0.04	0.04			9.65	11.00		5.08		Pass
HE20	MCS0	2	36	5180	106/53	0.03	0.02			9.66	11.00		5.08		Pass
HE20	MCS0	2	44	5220	Full	0.04	0.04			**10.89**	11.00		5.08		Pass
HE20	MCS0	2	44	5220	26/4	0.10	0.10			10.48	11.00		5.08		Pass
HE20	MCS0	2	44	5220	52/39	0.04	0.04			10.63	11.00		5.08		Pass
HE20	MCS0	2	44	5220	106/53	0.03	0.02			10.63	11.00		5.08		Pass
HE20	MCS0	2	48	5240	Full	0.04	0.04			10.77	11.00		5.08		Pass
HE20	MCS0	2	48	5240	26/8	0.10	0.10			10.73	11.00		5.08		Pass
HE20	MCS0	2	48	5240	52/40	0.04	0.04			10.46	11.00		5.08		Pass
HE20	MCS0	2	48	5240	106/54	0.03	0.02			10.47	11.00		5.08		Pass
HE40	MCS0	2	38	5190	Full	0.06	0.06			3.10	11.00		5.08		Pass
HE40	MCS0	2	38	5190	242/61	0.04	0.05			2.82	11.00		5.08		Pass
HE40	MCS0	2	46	5230	Full	0.06	0.06			6.54	11.00		5.08		Pass
HE40	MCS0	2	46	5230	242/62	0.04	0.05			6.33	11.00		5.08		Pass
HE80	MCS0	2	42	5210	Full	0.07	0.07			-0.06	11.00		5.08		Pass
HE80	MCS0	2	42	5210	484/65	0.04	0.03			-0.36	11.00		5.08		Pass

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full	0.04	0.04			**10.75**	11.00		5.02		Pass
HE20	MCS0	2	52	5260	26/0	0.10	0.10			10.54	11.00		5.02		Pass
HE20	MCS0	2	52	5260	52/37	0.04	0.04			10.50	11.00		5.02		Pass
HE20	MCS0	2	52	5260	106/53	0.03	0.02			10.46	11.00		5.02		Pass
HE20	MCS0	2	60	5300	Full	0.04	0.04			10.72	11.00		5.02		Pass
HE20	MCS0	2	60	5300	26/4	0.10	0.10			10.39	11.00		5.02		Pass
HE20	MCS0	2	60	5300	52/39	0.04	0.04			10.47	11.00		5.02		Pass
HE20	MCS0	2	60	5300	106/54	0.03	0.02			10.36	11.00		5.02		Pass
HE20	MCS0	2	64	5320	Full	0.04	0.04			10.22	11.00		5.02		Pass
HE20	MCS0	2	64	5320	26/8	0.10	0.10			10.17	11.00		5.02		Pass
HE20	MCS0	2	64	5320	52/40	0.04	0.04			9.88	11.00		5.02		Pass
HE20	MCS0	2	64	5320	106/54	0.03	0.02			10.08	11.00		5.02		Pass
HE40	MCS0	2	54	5270	Full	0.06	0.06			6.71	11.00		5.02		Pass
HE40	MCS0	2	54	5270	242/61	0.04	0.05			6.39	11.00		5.02		Pass
HE40	MCS0	2	62	5310	Full	0.06	0.06			3.32	11.00		5.02		Pass
HE40	MCS0	2	62	5310	242/62	0.04	0.05			3.29	11.00		5.02		Pass
HE80	MCS0	2	58	5290	Full	0.07	0.07			-0.13	11.00		5.02		Pass
HE80	MCS0	2	58	5290	484/66	0.04	0.03			-0.43	11.00		5.02		Pass

Band III MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	100	5500	Full	0.04	0.04			10.45	10.78		6.22		Pass
HE20	MCS0	2	100	5500	26/0	0.10	0.10			10.31	10.78		6.22		Pass
HE20	MCS0	2	100	5500	52/37	0.04	0.04			10.04	10.78		6.22		Pass
HE20	MCS0	2	100	5500	106/53	0.03	0.02			10.31	10.78		6.22		Pass
HE20	MCS0	2	116	5580	Full	0.04	0.04			10.53	10.78		6.22		Pass
HE20	MCS0	2	116	5580	26/4	0.10	0.10			10.38	10.78		6.22		Pass
HE20	MCS0	2	116	5580	52/38	0.04	0.04			10.37	10.78		6.22		Pass
HE20	MCS0	2	116	5580	106/53	0.03	0.02			10.21	10.78		6.22		Pass
HE20	MCS0	2	140	5700	Full	0.04	0.04			7.31	10.78		6.22		Pass
HE20	MCS0	2	140	5700	26/8	0.10	0.10			6.81	10.78		6.22		Pass
HE20	MCS0	2	140	5700	52/40	0.04	0.04			7.30	10.78		6.22		Pass
HE20	MCS0	2	140	5700	106/54	0.03	0.02			7.16	10.78		6.22		Pass
HE40	MCS0	2	102	5510	Full	0.06	0.06			3.27	10.78		6.22		Pass
HE40	MCS0	2	102	5510	242/61	0.04	0.05			3.09	10.78		6.22		Pass
HE40	MCS0	2	110	5550	Full	0.06	0.06			3.47	10.78		6.22		Pass
HE40	MCS0	2	110	5550	242/61	0.04	0.05			3.08	10.78		6.22		Pass
HE40	MCS0	2	134	5670	Full	0.06	0.06			6.45	10.78		6.22		Pass
HE40	MCS0	2	134	5670	242/62	0.04	0.05			6.17	10.78		6.22		Pass
HE80	MCS0	2	106	5530	Full	0.07	0.07			0.39	10.78		6.22		Pass
HE80	MCS0	2	106	5530	484/65	0.04	0.03			0.28	10.78		6.22		Pass
HE80	MCS0	2	122	5610	Full	0.07	0.07			3.50	10.78		6.22		Pass
HE80	MCS0	2	122	5610	484/66	0.04	0.03			3.36	10.78		6.22		Pass

Band III straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	144	5720	Full	0.04	0.04			**10.59**	10.78		6.22		Pass
HE20	MCS0	2	144	5720	26/8	0.10	0.10			10.37	10.78		6.22		Pass
HE20	MCS0	2	144	5720	52/40	0.04	0.04			10.38	10.78		6.22		Pass
HE20	MCS0	2	144	5720	106/54	0.03	0.02			10.40	10.78		6.22		Pass
HE40	MCS0	2	142	5710	Full	0.06	0.06			6.49	10.78		6.22		Pass
HE40	MCS0	2	142	5710	242/62	0.04	0.05			6.36	10.78		6.22		Pass
HE80	MCS0	2	138	5690	Full	0.07	0.07			3.53	10.78		6.22		Pass
HE80	MCS0	2	138	5690	484/66	0.04	0.03			3.39	10.78		6.22		Pass

Worst Case Power Density (dBm/MHz)



<TXBF Mode>

Test Engineer :	Derek Hsu	Temperature :	23.1~24.7℃
		Relative Humidity :	55.9~58.8%

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			9.29	11.00		5.08		Pass
HE20	MCS0	2	44	5220	Full			9.52	11.00		5.08		Pass
HE20	MCS0	2	48	5240	Full			**10.37**	11.00		5.08		Pass
HE40	MCS0	2	38	5190	Full			4.61	11.00		5.08		Pass
HE40	MCS0	2	46	5230	Full			6.25	11.00		5.08		Pass
HE80	MCS0	2	42	5210	Full			-3.03	11.00		5.08		Pass

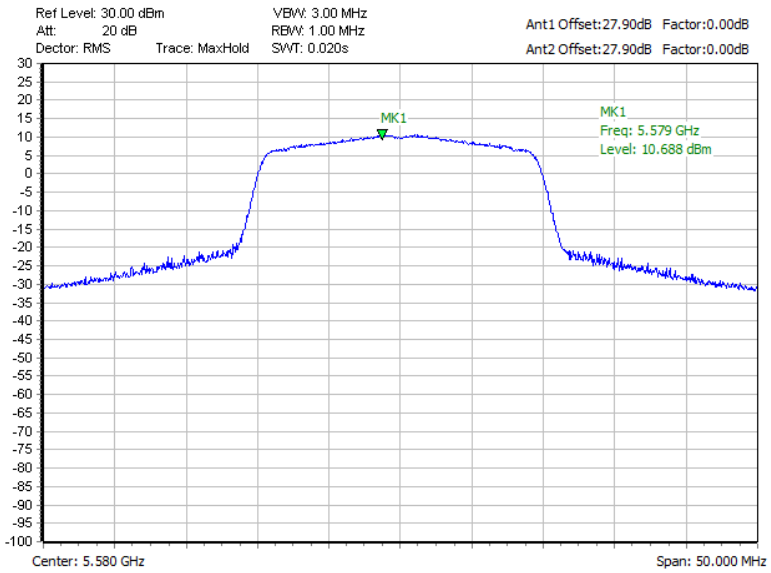
Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full			**10.44**	11.00		5.02		Pass
HE20	MCS0	2	60	5300	Full			9.60	11.00		5.02		Pass
HE20	MCS0	2	64	5320	Full			8.77	11.00		5.02		Pass
HE40	MCS0	2	54	5270	Full			5.27	11.00		5.02		Pass
HE40	MCS0	2	62	5310	Full			3.80	11.00		5.02		Pass
HE80	MCS0	2	58	5290	Full			-2.69	11.00		5.02		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			10.07	10.78		6.22		Pass
HE20	MCS0	2	116	5580	Full			**10.69**	10.78		6.22		Pass
HE20	MCS0	2	140	5700	Full			7.09	10.78		6.22		Pass
HE40	MCS0	2	102	5510	Full			2.03	10.78		6.22		Pass
HE40	MCS0	2	110	5550	Full			3.47	10.78		6.22		Pass
HE40	MCS0	2	134	5670	Full			2.71	10.78		6.22		Pass
HE80	MCS0	2	106	5530	Full			-1.06	10.78		6.22		Pass
HE80	MCS0	2	122	5610	Full			-0.83	10.78		6.22		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			10.13	10.78		6.22		Pass
HE40	MCS0	2	142	5710	Full			7.32	10.78		6.22		Pass
HE80	MCS0	2	138	5690	Full			3.29	10.78		6.22		Pass

<TXBF Modes>

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

(i) 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

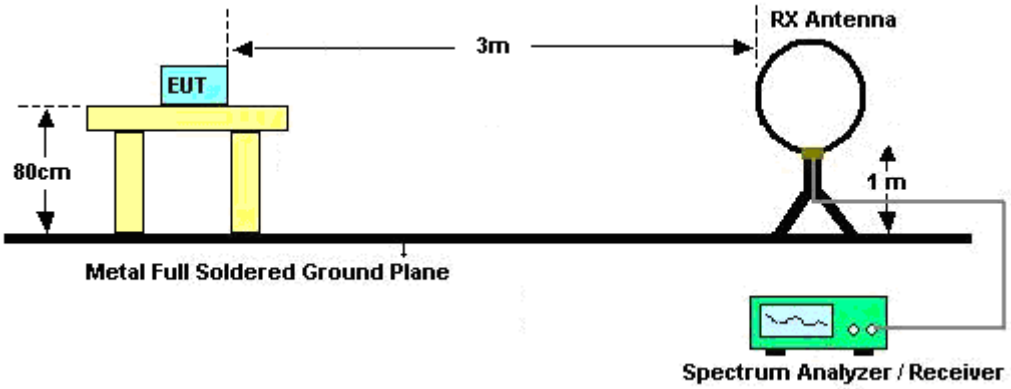
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

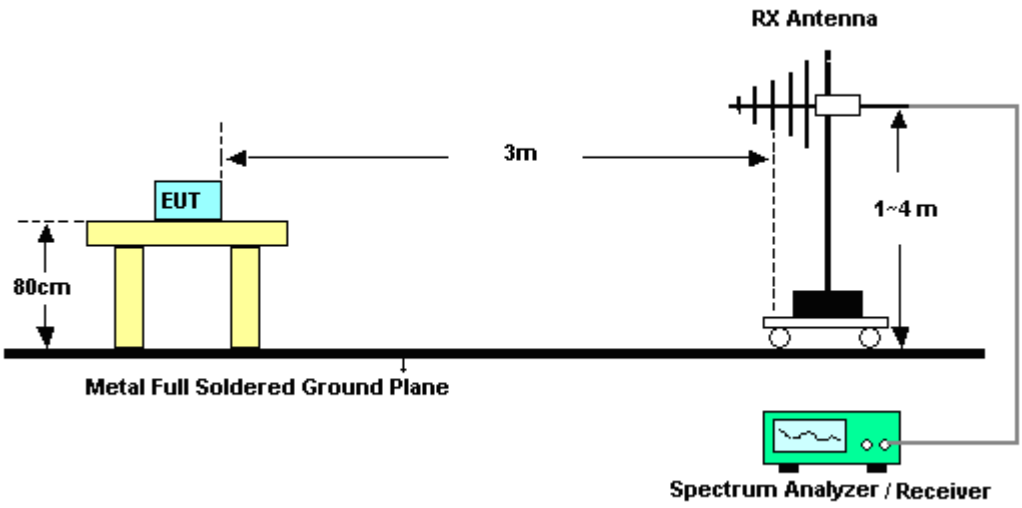
3.4.4 Test Setup

For radiated emissions below 30MHz

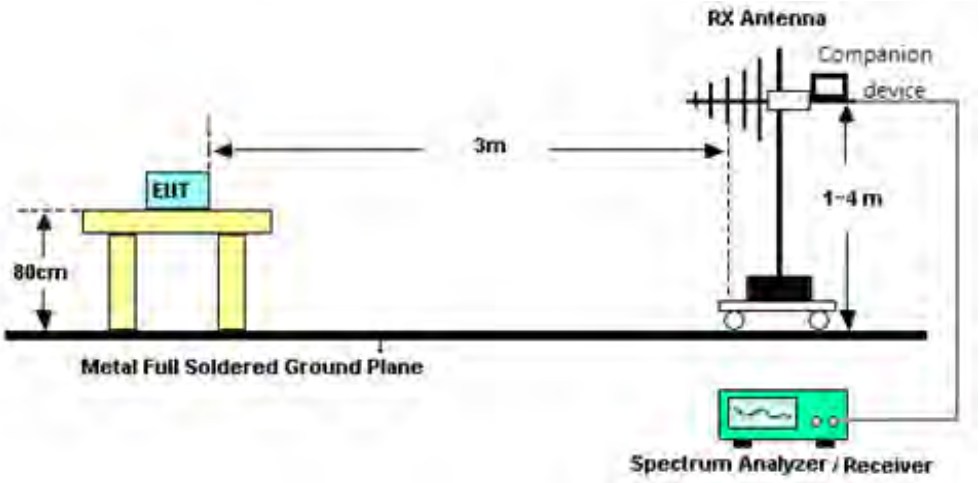


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

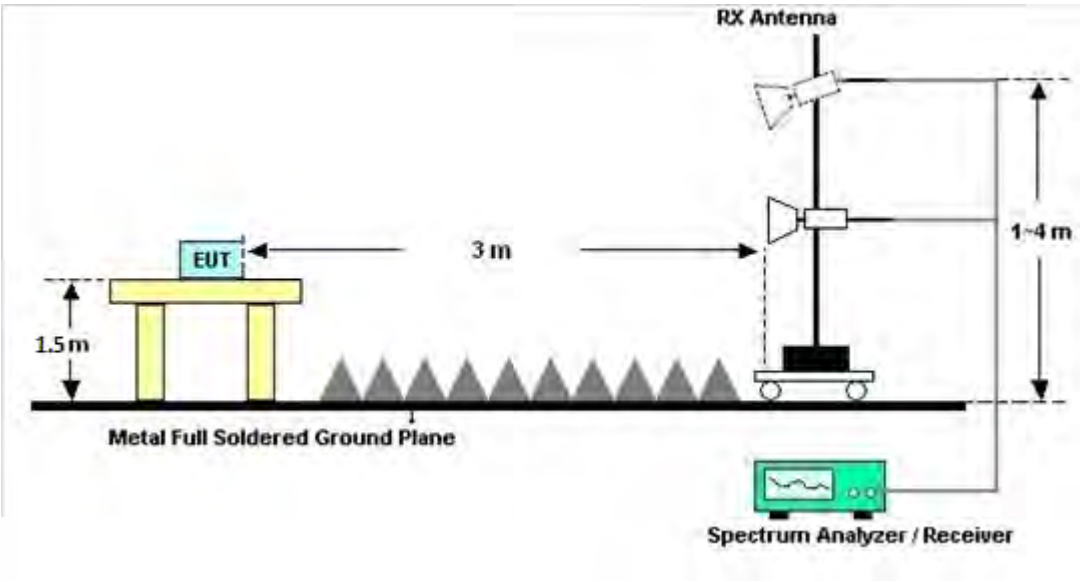


<TXBF Modes>

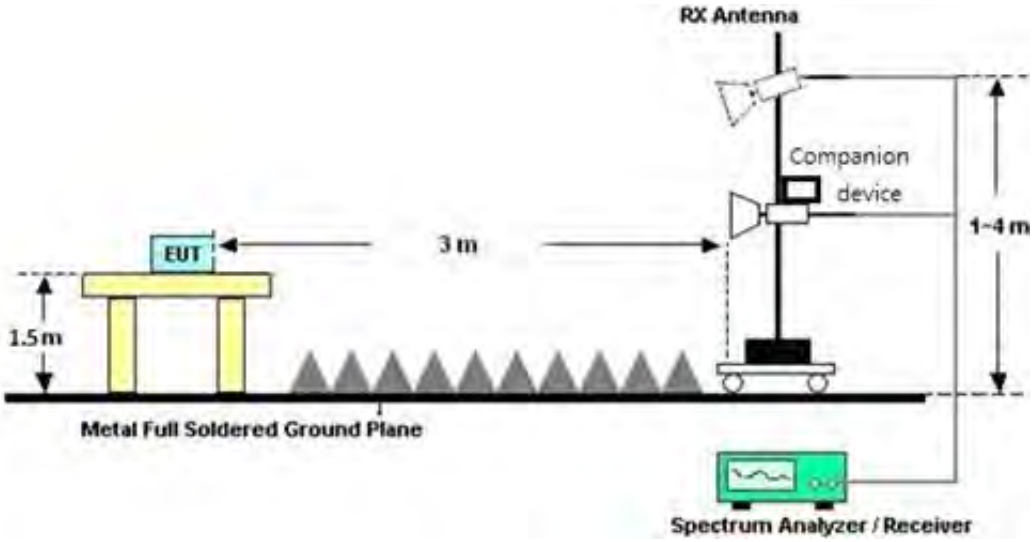


For radiated test above 1GHz

<CDD Mode>



<TXBF Modes>



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.

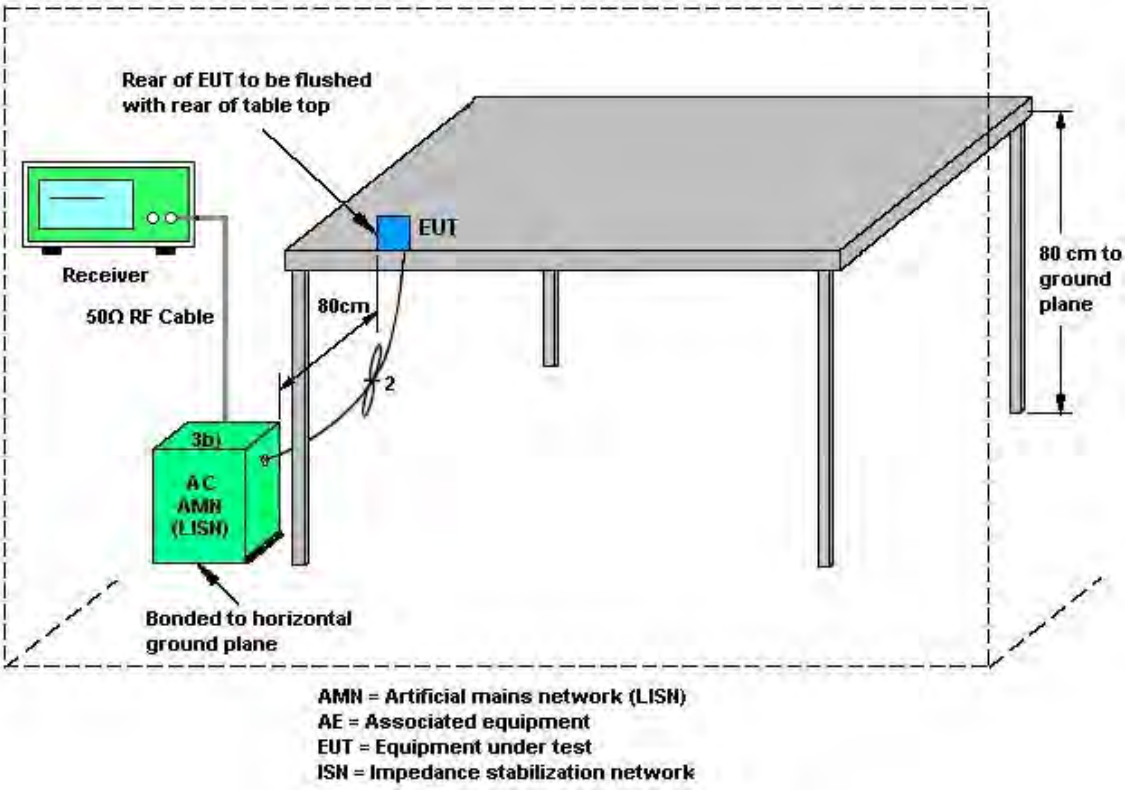
3.5.2 Measuring Instruments

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



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.80	-0.10	3.80	5.08	0.00	0.00
Band II	3.70	-0.10	3.70	5.02	0.00	0.00
Band III	3.60	2.80	3.60	6.22	0.00	0.22

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

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

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

The directional gain "DG" is calculated as following table.

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.80	-0.10	5.08	5.08	0.00	0.00
Band II	3.70	-0.10	5.02	5.02	0.00	0.00
Band III	3.60	2.80	6.22	6.22	0.22	0.22

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

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

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Apr. 02, 2021~ May 04, 2021	Jul. 13, 2021	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 16, 2020	Apr. 02, 2021~ May 04, 2021	Dec. 15, 2021	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103&07	30MHz to 1GHz	Apr. 29, 2020	Apr. 02, 2021~ Apr. 27, 2021	Apr. 28, 2021	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103&07	30MHz to 1GHz	Apr. 28, 2021	Apr. 28, 2021~ May 04, 2021	Apr. 27, 2022	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Jul. 15, 2020	Apr. 02, 2021~ May 04, 2021	Jul. 14, 2021	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May. 19, 2020	Apr. 02, 2021~ May 04, 2021	May. 18, 2021	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 28, 2020	Apr. 02, 2021~ May 04, 2021	Oct. 27, 2021	Radiation (03CH13-HY)
Signal Generator	Anritsu	MG3694C	163401	0.1Hz~40GHz	Jan. 31, 2021	Apr. 02, 2021~ May 04, 2021	Jan.30 , 2022	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 18, 2021	Apr. 02, 2021~ May 04, 2021	Mar. 17, 2022	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 02, 2021~ May 04, 2021	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Apr. 02, 2021~ May 04, 2021	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Apr. 02, 2021~ May 04, 2021	N/A	Radiation (03CH13-HY)
Software	Audix	E3 6.2009-8-24	RK-000992	N/A	N/A	Apr. 02, 2021~ May 04, 2021	N/A	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 11, 2020	Apr. 02, 2021~ May 04, 2021	Dec. 10, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Feb. 10, 2021	Apr. 02, 2021~ May 04, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30M-18G	Feb. 10, 2021	Apr. 02, 2021~ May 04, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Feb. 22, 2021	Apr. 02, 2021~ May 04, 2021	Feb. 21, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz~40GHz	Mar. 11, 2021	Apr. 02, 2021~ May 04, 2021	Mar. 10, 2022	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M-18G	Feb. 10, 2021	Apr. 02, 2021~ May 04, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	9kHz~30MHz	Mar. 11, 2021	Apr. 02, 2021~ May 04, 2021	Mar. 10, 2022	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 11, 2020	Apr. 02, 2021~ May 04, 2021	Dec. 10, 2021	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP200879	N/A	Oct. 22, 2020	Apr. 02, 2021~ May 04, 2021	Oct. 21, 2021	Radiation (03CH13-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN5	6.75GHz High Pass Filter	Mar. 11, 2021	Apr. 02, 2021~ May 04, 2021	Mar. 10, 2022	Radiation (03CH13-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 26, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Mar. 26, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Mar. 26, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Mar. 26, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 26, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Feb. 25, 2021	Mar. 26, 2021	Feb. 24, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Mar. 26, 2021	Dec. 30, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 03, 2021	Mar. 29, 2021~ Apr. 29, 2021	Mar. 02, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 16, 2020	Mar. 29, 2021~ Apr. 29, 2021	Dec. 15, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Mar. 29, 2021~ Apr. 29, 2021	Jul. 21, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2021	Mar. 29, 2021~ Apr. 29, 2021	Mar. 16, 2022	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.3

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.8

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.6

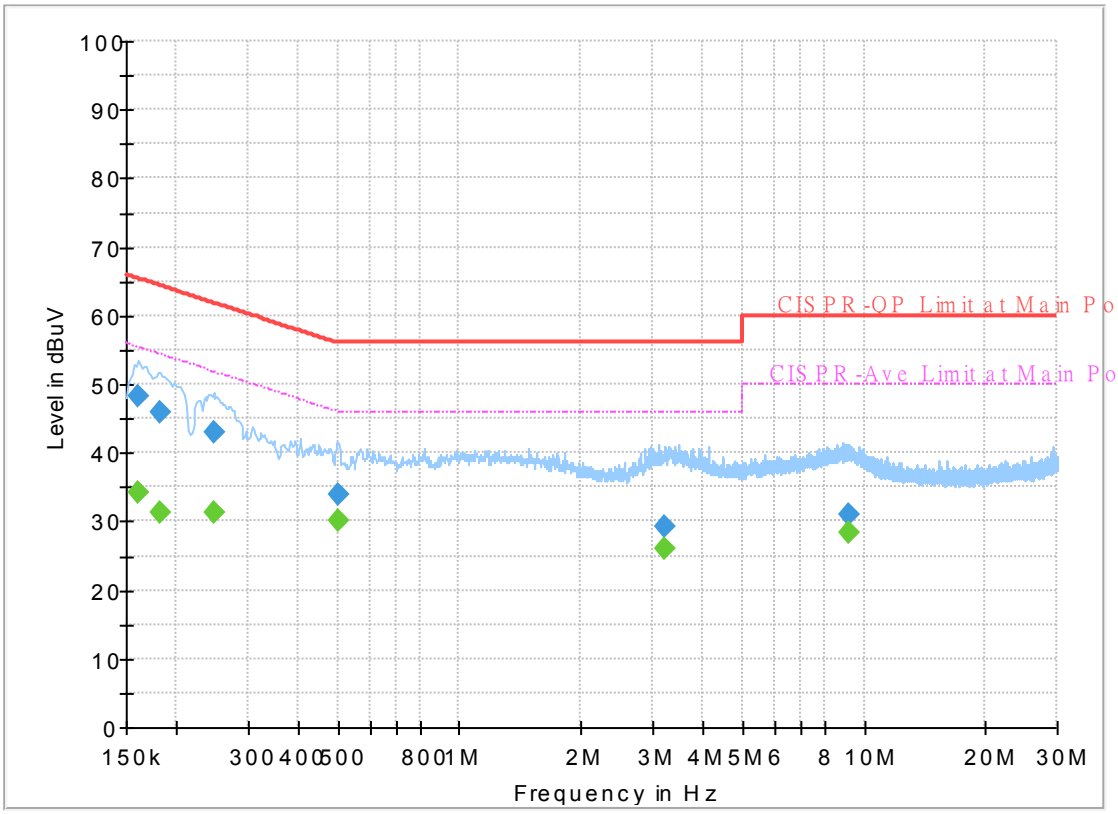
Appendix A. AC Conducted Emission Test Results

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

EUT Information

Report NO :	122002
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum

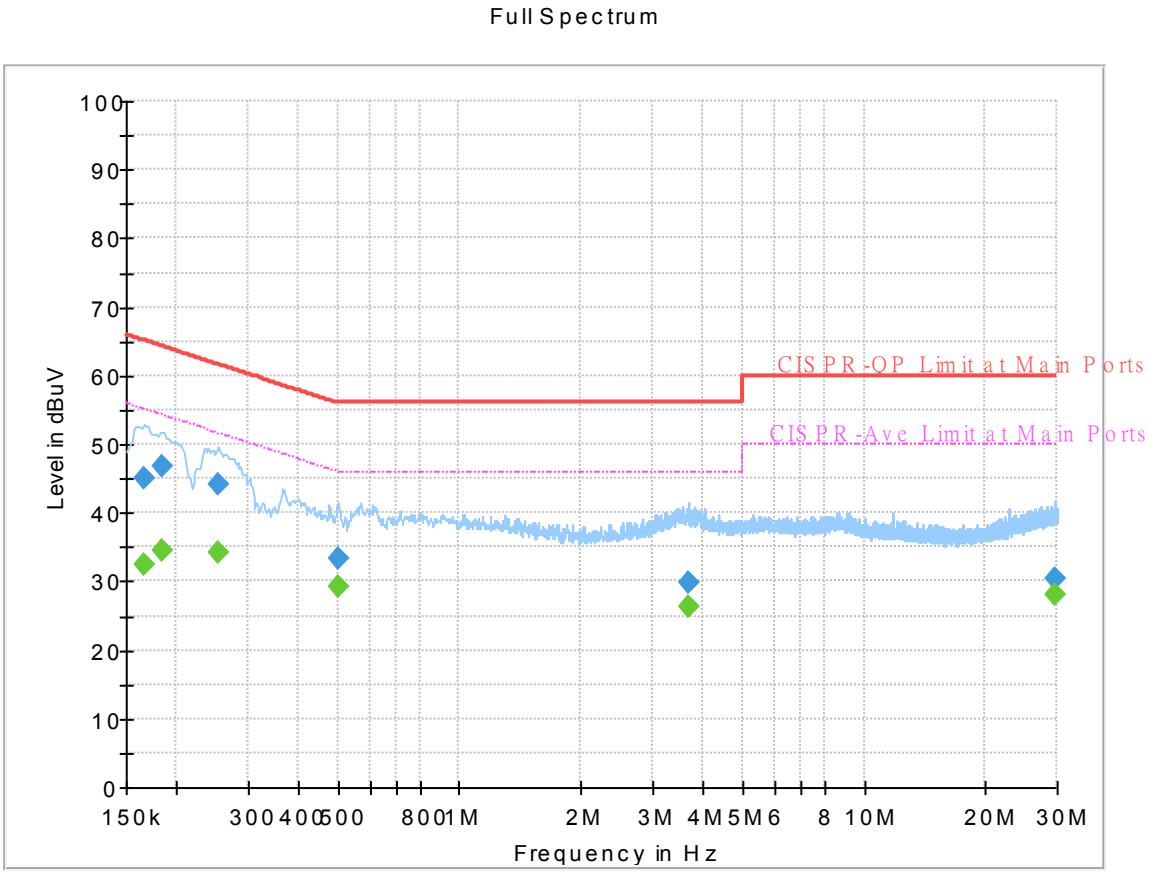


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	34.25	55.40	21.15	L1	OFF	19.7
0.161250	48.14	---	65.40	17.26	L1	OFF	19.7
0.181500	---	31.43	54.42	22.99	L1	OFF	19.7
0.181500	45.88	---	64.42	18.54	L1	OFF	19.7
0.246750	---	31.23	51.87	20.64	L1	OFF	19.7
0.246750	42.87	---	61.87	19.00	L1	OFF	19.7
0.503250	---	30.09	46.00	15.91	L1	OFF	19.9
0.503250	33.78	---	56.00	22.22	L1	OFF	19.9
3.232500	---	25.93	46.00	20.07	L1	OFF	20.1
3.232500	29.22	---	56.00	26.78	L1	OFF	20.1
9.147750	---	28.29	50.00	21.71	L1	OFF	20.2
9.147750	31.00	---	60.00	29.00	L1	OFF	20.2

EUT Information

Report NO :	122002
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)
0.165750	---	32.38	55.17	22.79	N	OFF	19.7
0.165750	44.96	---	65.17	20.21	N	OFF	19.7
0.183750	---	34.63	54.31	19.68	N	OFF	19.7
0.183750	46.67	---	64.31	17.64	N	OFF	19.7
0.253500	---	34.35	51.64	17.29	N	OFF	19.8
0.253500	44.02	---	61.64	17.62	N	OFF	19.8
0.501000	---	29.30	46.00	16.70	N	OFF	19.9
0.501000	33.30	---	56.00	22.70	N	OFF	19.9
3.698250	---	26.23	46.00	19.77	N	OFF	20.1
3.698250	29.97	---	56.00	26.03	N	OFF	20.1
29.805000	---	28.07	50.00	21.93	N	OFF	21.0
29.805000	30.41	---	60.00	29.59	N	OFF	21.0

Appendix B. Radiated Spurious Emission

Test Engineer :	Daniel Lee, Jacky Hong and Wilson Wu	Temperature :	20~25℃
		Relative Humidity :	50~60%

<CDD Mode>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.98	60.79	-13.21	74	50.02	31.9	6.28	27.41	100	71	P	H
		5150	51.45	-2.55	54	40.68	31.9	6.28	27.41	100	71	A	H
	*	5180	113.06	-	-	102.4	31.78	6.28	27.4	100	71	P	H
	*	5180	106.26	-	-	95.6	31.78	6.28	27.4	100	71	A	H
													H
													H
		5150	63.51	-10.49	74	52.74	31.9	6.28	27.41	235	86	P	V
		5150	52.26	-1.74	54	41.49	31.9	6.28	27.41	235	86	A	V
	*	5180	113.76	-	-	103.1	31.78	6.28	27.4	235	86	P	V
	*	5180	106.9	-	-	96.24	31.78	6.28	27.4	235	86	A	V
													V
													V
802.11a CH 44 5220MHz		5122.2	56.57	-17.43	74	45.76	31.96	6.27	27.42	100	72	P	H
		5150	47.29	-6.71	54	36.52	31.9	6.28	27.41	100	72	A	H
	*	5220	115.35	-	-	104.9	31.54	6.3	27.39	100	72	P	H
	*	5220	108.4	-	-	97.95	31.54	6.3	27.39	100	72	A	H
		5391.4	52.63	-21.37	74	42.12	31.47	6.39	27.35	100	72	P	H
		5400.08	44.16	-9.84	54	33.62	31.5	6.39	27.35	100	72	A	H
		5143.26	55.69	-18.31	74	44.91	31.91	6.28	27.41	246	93	P	V
		5150	47.27	-6.73	54	36.5	31.9	6.28	27.41	246	93	A	V
	*	5220	116.15	-	-	105.7	31.54	6.3	27.39	246	93	P	V
	*	5220	109.09	-	-	98.64	31.54	6.3	27.39	246	93	A	V
		5355	52.57	-21.43	74	42.24	31.32	6.37	27.36	246	93	P	V
		5400.08	43.91	-10.09	54	33.37	31.5	6.39	27.35	246	93	A	V

802.11a CH 48 5240MHz		5142.48	54.81	-19.19	74	44.02	31.92	6.28	27.41	100	77	P	H
		5150	45.91	-8.09	54	35.14	31.9	6.28	27.41	100	77	A	H
	*	5240	115.08	-	-	104.78	31.38	6.31	27.39	100	77	P	H
	*	5240	108.07	-	-	97.77	31.38	6.31	27.39	100	77	A	H
		5351.36	53.26	-20.74	74	42.94	31.31	6.37	27.36	100	77	P	H
		5420.52	45.01	-8.99	54	34.37	31.58	6.4	27.34	100	77	A	H
		5143.78	54.2	-19.8	74	43.42	31.91	6.28	27.41	231	86	P	V
		5150	45.67	-8.33	54	34.9	31.9	6.28	27.41	231	86	A	V
	*	5240	115.7	-	-	105.4	31.38	6.31	27.39	231	86	P	V
	*	5240	108.66	-	-	98.36	31.38	6.31	27.39	231	86	A	V
		5364.8	52.92	-21.08	74	42.55	31.36	6.37	27.36	231	86	P	V
		5420.8	44.47	-9.53	54	33.83	31.58	6.4	27.34	231	86	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (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	60.41	-7.79	68.2	66.93	39.84	10.15	56.51	100	283	P	H
		15540	46	-28	74	51.21	38.6	12.03	55.84	100	0	P	H
													H
													H
		10360	56.6	-11.6	68.2	63.12	39.84	10.15	56.51	340	35	P	V
		15540	49.14	-24.86	74	54.35	38.6	12.03	55.84	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	61.59	-6.61	68.2	67.9	39.96	10.19	56.46	100	286	P	H
		15660	46.84	-27.16	74	52.28	38.3	12.04	55.78	100	0	P	H
													H
													H
		10440	58.19	-10.01	68.2	64.5	39.96	10.19	56.46	359	36	P	V
		15660	48.1	-25.9	74	53.54	38.3	12.04	55.78	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	59.59	-8.61	68.2	65.89	39.92	10.21	56.43	100	286	P	H
		15720	49.66	-24.34	74	55.14	38.22	12.05	55.75	100	0	P	H
													H
													H
		10480	58.9	-9.3	68.2	65.2	39.92	10.21	56.43	354	44	P	V
		15720	49.36	-24.64	74	54.84	38.22	12.05	55.75	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)
802.11ax HE20 Full CH 36 5180MHz		5149.24	60.94	-13.06	74	50.17	31.9	6.28	27.41	100	67	P	H
		5150	51.26	-2.74	54	40.49	31.9	6.28	27.41	100	67	A	H
	*	5180	112.86	-	-	102.2	31.78	6.28	27.4	100	67	P	H
	*	5180	103.67	-	-	93.01	31.78	6.28	27.4	100	67	A	H
													H
													H
		5148.2	60.13	-13.87	74	49.36	31.9	6.28	27.41	279	94	P	V
		5150	51.02	-2.98	54	40.25	31.9	6.28	27.41	279	94	A	V
	*	5180	113.39	-	-	102.73	31.78	6.28	27.4	279	94	P	V
	*	5180	103.89	-	-	93.23	31.78	6.28	27.4	279	94	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5150	57.04	-16.96	74	46.27	31.9	6.28	27.41	100	66	P	H
		5150	47.84	-6.16	54	37.07	31.9	6.28	27.41	100	66	A	H
	*	5220	113.73	-	-	103.28	31.54	6.3	27.39	100	66	P	H
	*	5220	104.92	-	-	94.47	31.54	6.3	27.39	100	66	A	H
		5362	54.51	-19.49	74	44.15	31.35	6.37	27.36	100	66	P	H
		5400.08	45.37	-8.63	54	34.83	31.5	6.39	27.35	100	66	A	H
		5146.64	56.97	-17.03	74	46.19	31.91	6.28	27.41	218	94	P	V
		5149.5	47.94	-6.06	54	37.17	31.9	6.28	27.41	218	94	A	V
	*	5220	114.76	-	-	104.31	31.54	6.3	27.39	218	94	P	V
	*	5220	105.28	-	-	94.83	31.54	6.3	27.39	218	94	A	V
		5353.6	53.69	-20.31	74	43.37	31.31	6.37	27.36	218	94	P	V
		5400.08	45.21	-8.79	54	34.67	31.5	6.39	27.35	218	94	A	V

802.11ax HE20 Full CH 48 5240MHz		5141.96	55.54	-18.46	74	44.75	31.92	6.28	27.41	100	77	P	H
		5150	46.25	-7.75	54	35.48	31.9	6.28	27.41	100	77	A	H
	*	5240	114.33	-	-	104.03	31.38	6.31	27.39	100	77	P	H
	*	5240	105.51	-	-	95.21	31.38	6.31	27.39	100	77	A	H
		5365.92	55.56	-18.44	74	45.18	31.36	6.37	27.35	100	77	P	H
		5420.8	46.97	-7.03	54	36.33	31.58	6.4	27.34	100	77	A	H
		5130.78	56.98	-17.02	74	46.19	31.94	6.27	27.42	202	94	P	V
		5150	47.81	-6.19	54	37.04	31.9	6.28	27.41	202	94	A	V
	*	5240	115.61	-	-	105.31	31.38	6.31	27.39	202	94	P	V
	*	5240	106.95	-	-	96.65	31.38	6.31	27.39	202	94	A	V
		5421.36	55.39	-18.61	74	44.74	31.59	6.4	27.34	202	94	P	V
		5350	46.64	-7.36	54	36.34	31.3	6.36	27.36	202	94	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax 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)
802.11ax HE20 Full CH 36 5180MHz		10360	52.57	-15.63	68.2	59.09	39.84	10.15	56.51	100	0	P	H
		15540	45.92	-28.08	74	51.13	38.6	12.03	55.84	100	0	P	H
													H
													H
		10360	54.9	-13.3	68.2	61.42	39.84	10.15	56.51	100	0	P	V
		15540	48.18	-25.82	74	53.39	38.6	12.03	55.84	100	0	P	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		10440	54.95	-13.25	68.2	61.26	39.96	10.19	56.46	100	0	P	H
		15660	45.91	-28.09	74	51.35	38.3	12.04	55.78	100	0	P	H
													H
													H
		10440	54.77	-13.43	68.2	61.08	39.96	10.19	56.46	100	0	P	V
		15660	47.1	-26.9	74	52.54	38.3	12.04	55.78	100	0	P	V
													V
													V
802.11ax HE20 Full CH 48 5240MHz		10480	54.59	-13.61	68.2	60.89	39.92	10.21	56.43	100	0	P	H
		15720	47.43	-26.57	74	52.91	38.22	12.05	55.75	100	0	P	H
													H
													H
		10480	54.72	-13.48	68.2	61.02	39.92	10.21	56.43	100	0	P	V
		15720	47.72	-26.28	74	53.2	38.22	12.05	55.75	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 Partial 106 (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 Partial 106/53 CH 36 5180MHz		5143.26	60.56	-13.44	74	49.78	31.91	6.28	27.41	100	66	P	H
		5150	51.53	-2.47	54	40.76	31.9	6.28	27.41	100	66	A	H
	*	5180	115.92	-	-	105.26	31.78	6.28	27.4	100	66	P	H
	*	5180	106.77	-	-	96.11	31.78	6.28	27.4	100	66	A	H
													H
													H
		5141.96	61.07	-12.93	74	50.28	31.92	6.28	27.41	208	93	P	V
		5150	51.75	-2.25	54	40.98	31.9	6.28	27.41	208	93	A	V
	*	5180	117.04	-	-	106.38	31.78	6.28	27.4	208	93	P	V
	*	5180	107.83	-	-	97.17	31.78	6.28	27.4	208	93	A	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 Partial 106 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		10360	58.83	-9.37	68.2	65.35	39.84	10.15	56.51	100	0	P	H
		15540	48.62	-25.38	74	53.83	38.6	12.03	55.84	100	0	P	H
													H
													H
		10360	59.93	-8.27	68.2	66.45	39.84	10.15	56.51	100	0	P	V
		15540	49.88	-24.12	74	55.09	38.6	12.03	55.84	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)
802.11ax HE40 Full CH 38 5190MHz		5141.18	63.37	-10.63	74	52.58	31.92	6.28	27.41	100	68	P	H
		5150	50.93	-3.07	54	40.16	31.9	6.28	27.41	100	68	A	H
	*	5190	107.57	-	-	96.94	31.74	6.29	27.4	100	68	P	H
	*	5190	97.25	-	-	86.62	31.74	6.29	27.4	100	68	A	H
		5406.52	54.12	-19.88	74	43.54	31.53	6.39	27.34	100	68	P	H
		5369	45.48	-8.52	54	35.08	31.38	6.37	27.35	100	68	A	H
		5145.34	63.37	-10.63	74	52.59	31.91	6.28	27.41	219	94	P	V
		5150	51.67	-2.33	54	40.9	31.9	6.28	27.41	219	94	A	V
	*	5190	107.17	-	-	96.54	31.74	6.29	27.4	219	94	P	V
	*	5190	98.1	-	-	87.47	31.74	6.29	27.4	219	94	A	V
		5362.84	54.04	-19.96	74	43.68	31.35	6.37	27.36	219	94	P	V
		5369	45.96	-8.04	54	35.56	31.38	6.37	27.35	219	94	A	V
802.11ax HE40 Full CH 46 5230MHz		5143	61	-13	74	50.22	31.91	6.28	27.41	100	66	P	H
		5150	51.34	-2.66	54	40.57	31.9	6.28	27.41	100	66	A	H
	*	5230	110.55	-	-	100.18	31.46	6.3	27.39	100	66	P	H
	*	5230	101.36	-	-	90.99	31.46	6.3	27.39	100	66	A	H
		5409.88	59.72	-14.28	74	49.13	31.54	6.39	27.34	100	66	P	H
		5410.44	49.48	-4.52	54	38.89	31.54	6.39	27.34	100	66	A	H
		5146.12	59.71	-14.29	74	48.93	31.91	6.28	27.41	207	94	P	V
		5150	51.11	-2.89	54	40.34	31.9	6.28	27.41	207	94	A	V
	*	5230	112.45	-	-	102.08	31.46	6.3	27.39	207	94	P	V
	*	5230	102.24	-	-	91.87	31.46	6.3	27.39	207	94	A	V
		5398.12	57.99	-16.01	74	47.46	31.49	6.39	27.35	207	94	P	V
		5350	48.9	-5.1	54	38.6	31.3	6.36	27.36	207	94	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax 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)
802.11ax HE40 Full CH 38 5190MHz		10380	47.82	-20.38	68.2	54.23	39.92	10.16	56.49	100	0	P	H
		15570	45.18	-28.82	74	50.53	38.45	12.03	55.83	100	0	P	H
													H
													H
		10380	48.94	-19.26	68.2	55.35	39.92	10.16	56.49	100	0	P	V
		15570	45.8	-28.2	74	51.15	38.45	12.03	55.83	100	0	P	V
													V
													V
802.11ax HE40 Full CH 46 5230MHz		10460	53.15	-15.05	68.2	59.45	39.94	10.2	56.44	100	0	P	H
		15690	44.88	-29.12	74	50.3	38.3	12.04	55.76	100	0	P	H
													H
													H
		10460	54.27	-13.93	68.2	60.57	39.94	10.2	56.44	100	0	P	V
		15690	45.49	-28.51	74	50.91	38.3	12.04	55.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Partial 242 (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 Partial 242/61 CH 38 5190MHz		5149.24	61.11	-12.89	74	50.34	31.9	6.28	27.41	100	66	P	H
		5150	51.39	-2.61	54	40.62	31.9	6.28	27.41	100	66	A	H
	*	5190	111.46	-	-	100.83	31.74	6.29	27.4	100	66	P	H
	*	5190	102.11	-	-	91.48	31.74	6.29	27.4	100	66	A	H
		5381.32	54.76	-19.24	74	44.3	31.43	6.38	27.35	100	66	P	H
		5369	46.61	-7.39	54	36.21	31.38	6.37	27.35	100	66	A	H
		5149.76	60.29	-13.71	74	49.52	31.9	6.28	27.41	206	94	P	V
		5150	51.7	-2.3	54	40.93	31.9	6.28	27.41	206	94	A	V
	*	5190	112.58	-	-	101.95	31.74	6.29	27.4	206	94	P	V
	*	5190	102.9	-	-	92.27	31.74	6.29	27.4	206	94	A	V
		5359.48	54.88	-19.12	74	44.53	31.34	6.37	27.36	206	94	P	V
		5369	46.27	-7.73	54	35.87	31.38	6.37	27.35	206	94	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Partial 242 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		10380	52.1	-16.1	68.2	58.51	39.92	10.16	56.49	100	0	P	H
		15570	45.28	-28.72	74	50.63	38.45	12.03	55.83	100	0	P	H
													H
													H
		10380	52.75	-15.45	68.2	59.16	39.92	10.16	56.49	100	0	P	V
		15570	45.51	-28.49	74	50.86	38.45	12.03	55.83	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 HE80 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 HE80 Full CH 42 5210MHz		5141.44	61.75	-12.25	74	50.96	31.92	6.28	27.41	100	67	P	H
		5150	51.17	-2.83	54	40.4	31.9	6.28	27.41	100	67	A	H
	*	5210	103.85	-	-	93.33	31.62	6.3	27.4	100	67	P	H
	*	5210	94.34	-	-	83.82	31.62	6.3	27.4	100	67	A	H
		5367.6	56.37	-17.63	74	45.98	31.37	6.37	27.35	100	67	P	H
		5405.12	46.37	-7.63	54	35.8	31.52	6.39	27.34	100	67	A	H
		5147.42	62.08	-11.92	74	51.3	31.91	6.28	27.41	201	95	P	V
		5150	52.11	-1.89	54	41.34	31.9	6.28	27.41	201	95	A	V
	*	5210	105.93	-	-	95.41	31.62	6.3	27.4	201	95	P	V
	*	5210	95.37	-	-	84.85	31.62	6.3	27.4	201	95	A	V
		5387.2	56.49	-17.51	74	46.01	31.45	6.38	27.35	201	95	P	V
		5406.8	46.1	-7.9	54	35.52	31.53	6.39	27.34	201	95	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 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)
802.11ax HE80 Full CH 42 5210MHz		10420	47.82	-20.38	68.2	54.13	39.98	10.18	56.47	100	0	P	H
		15630	45.46	-28.54	74	50.93	38.3	12.03	55.8	100	0	P	H
													H
													H
		10420	48.11	-20.09	68.2	54.42	39.98	10.18	56.47	100	0	P	V
		15630	45.3	-28.7	74	50.77	38.3	12.03	55.8	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 HE80 Partial 484 (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 HE80 Partial 484/65 CH 42 5210MHz		5148.72	61.92	-12.08	74	51.15	31.9	6.28	27.41	100	68	P	H
		5150	50.45	-3.55	54	39.68	31.9	6.28	27.41	100	68	A	H
	*	5210	108.24	-	-	97.72	31.62	6.3	27.4	100	68	P	H
	*	5210	96.87	-	-	86.35	31.62	6.3	27.4	100	68	A	H
		5385.8	55.88	-18.12	74	45.41	31.44	6.38	27.35	100	68	P	H
		5405.68	45.79	-8.21	54	35.22	31.52	6.39	27.34	100	68	A	H
		5145.08	63.29	-10.71	74	52.51	31.91	6.28	27.41	204	93	P	V
		5150	51.38	-2.62	54	40.61	31.9	6.28	27.41	204	93	A	V
	*	5210	108.48	-	-	97.96	31.62	6.3	27.4	204	93	P	V
	*	5210	98.02	-	-	87.5	31.62	6.3	27.4	204	93	A	V
		5351.08	56.44	-17.56	74	46.13	31.3	6.37	27.36	204	93	P	V
		5405.68	46.14	-7.86	54	35.57	31.52	6.39	27.34	204	93	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Partial 484 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		10420	47.54	-20.66	68.2	53.85	39.98	10.18	56.47	100	0	P	H
		15630	45.37	-28.63	74	50.84	38.3	12.03	55.8	100	0	P	H
													H
													H
		10420	46.72	-21.48	68.2	53.03	39.98	10.18	56.47	100	0	P	V
		15630	45.71	-28.29	74	51.18	38.3	12.03	55.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5133.28	53.8	-20.2	74	43.02	31.93	6.27	27.42	100	76	P	H
		5078.54	45.02	-8.98	54	34.32	31.87	6.26	27.43	100	76	A	H
	*	5260	115.44	-	-	105.2	31.3	6.32	27.38	100	76	P	H
	*	5260	108.54	-	-	98.3	31.3	6.32	27.38	100	76	A	H
		5351.04	54.34	-19.66	74	44.03	31.3	6.37	27.36	100	76	P	H
		5350.32	46.18	-7.82	54	35.87	31.3	6.37	27.36	100	76	A	H
		5116.62	54.45	-19.55	74	43.63	31.97	6.27	27.42	238	97	P	V
		5149.94	45.07	-8.93	54	34.3	31.9	6.28	27.41	238	97	A	V
	*	5260	115.81	-	-	105.57	31.3	6.32	27.38	238	97	P	V
	*	5260	109.04	-	-	98.8	31.3	6.32	27.38	238	97	A	V
		5365.44	53.58	-20.42	74	43.2	31.36	6.37	27.35	238	97	P	V
		5350.08	45.9	-8.1	54	35.59	31.3	6.37	27.36	238	97	A	V
802.11a CH 60 5300MHz		5148.58	54.1	-19.9	74	43.33	31.9	6.28	27.41	100	78	P	H
		5117.3	45.62	-8.38	54	34.8	31.97	6.27	27.42	100	78	A	H
	*	5300	115.87	-	-	105.6	31.3	6.34	27.37	100	78	P	H
	*	5300	108.95	-	-	98.68	31.3	6.34	27.37	100	78	A	H
		5354.64	58.09	-15.91	74	47.76	31.32	6.37	27.36	100	78	P	H
		5350.08	49.9	-4.1	54	39.59	31.3	6.37	27.36	100	78	A	H
		5139.4	53.91	-20.09	74	43.13	31.92	6.27	27.41	231	86	P	V
		5117.3	44.79	-9.21	54	33.97	31.97	6.27	27.42	231	86	A	V
	*	5300	115.46	-	-	105.19	31.3	6.34	27.37	231	86	P	V
	*	5300	108.8	-	-	98.53	31.3	6.34	27.37	231	86	A	V
		5363.52	57.09	-16.91	74	46.73	31.35	6.37	27.36	231	86	P	V
		5350.08	48.9	-5.1	54	38.59	31.3	6.37	27.36	231	86	A	V

802.11a CH 64 5320MHz	*	5320	113.58	-	-	103.3	31.3	6.35	27.37	100	78	P	H
	*	5320	106.65	-	-	96.37	31.3	6.35	27.37	100	78	A	H
		5353.44	60.9	-13.1	74	50.58	31.31	6.37	27.36	100	78	P	H
		5350.08	51.66	-2.34	54	41.35	31.3	6.37	27.36	100	78	A	H
													H
													H
	*	5320	113.98	-	-	103.7	31.3	6.35	27.37	250	86	P	V
	*	5320	107.08	-	-	96.8	31.3	6.35	27.37	250	86	A	V
		5353.92	59.5	-14.5	74	49.17	31.32	6.37	27.36	250	86	P	V
		5350.08	51.24	-2.76	54	40.93	31.3	6.37	27.36	250	86	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	59.58	-8.62	68.2	65.8	39.96	10.23	56.41	100	286	P	H
		15780	47.62	-26.38	74	53.31	37.98	12.05	55.72	100	0	P	H
													H
													H
		10520	59.08	-9.12	68.2	65.3	39.96	10.23	56.41	358	49	P	V
		15780	49.11	-24.89	74	54.8	37.98	12.05	55.72	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	59.19	-14.81	74	65.08	40.2	10.27	56.36	100	246	P	H
		10600	46.89	-7.11	54	52.78	40.2	10.27	56.36	100	246	A	H
		15900	55.94	-18.06	74	61.73	37.8	12.07	55.66	294	44	P	H
		15900	43.2	-10.8	54	48.99	37.8	12.07	55.66	294	44	A	H
		10600	60.32	-13.68	74	66.21	40.2	10.27	56.36	400	30	P	V
		10600	48.78	-5.22	54	54.67	40.2	10.27	56.36	400	30	A	V
		15900	55.43	-18.57	74	61.22	37.8	12.07	55.66	400	324	P	V
		15900	42.99	-11.01	54	48.78	37.8	12.07	55.66	400	324	A	V
802.11a CH 64 5320MHz		10640	56.29	-17.71	74	62.14	40.2	10.29	56.34	100	247	P	H
		10640	44.15	-9.85	54	50	40.2	10.29	56.34	100	247	A	H
		15960	46.6	-27.4	74	52.36	37.8	12.07	55.63	100	0	P	H
													H
		10640	59.44	-14.56	74	65.29	40.2	10.29	56.34	400	42	P	V
		10640	46.66	-7.34	54	52.51	40.2	10.29	56.34	400	42	A	V
		15960	47.74	-26.26	74	53.5	37.8	12.07	55.63	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax 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 52 5260MHz		5134.98	56.5	-17.5	74	45.71	31.93	6.27	27.41	100	69	P	H
		5149.6	45.64	-8.36	54	34.87	31.9	6.28	27.41	100	69	A	H
	*	5260	113.84	-	-	103.6	31.3	6.32	27.38	100	69	P	H
	*	5260	104.25	-	-	94.01	31.3	6.32	27.38	100	69	A	H
		5383.68	54.74	-19.26	74	44.28	31.43	6.38	27.35	100	69	P	H
		5350.08	45.85	-8.15	54	35.54	31.3	6.37	27.36	100	69	A	H
		5074.8	55.84	-18.16	74	45.16	31.85	6.26	27.43	218	94	P	V
		5149.6	46.33	-7.67	54	35.56	31.9	6.28	27.41	218	94	A	V
	*	5260	115.01	-	-	104.77	31.3	6.32	27.38	218	94	P	V
	*	5260	105.46	-	-	95.22	31.3	6.32	27.38	218	94	A	V
		5361.12	55.47	-18.53	74	45.12	31.34	6.37	27.36	218	94	P	V
		5350.08	45.93	-8.07	54	35.62	31.3	6.37	27.36	218	94	A	V
802.11ax HE20 Full CH 60 5300MHz		5072.76	53.55	-20.45	74	42.88	31.84	6.26	27.43	100	77	P	H
		5117.3	45.22	-8.78	54	34.4	31.97	6.27	27.42	100	77	A	H
	*	5300	114.42	-	-	104.15	31.3	6.34	27.37	100	77	P	H
	*	5300	105.13	-	-	94.86	31.3	6.34	27.37	100	77	A	H
		5374.08	57.31	-16.69	74	46.88	31.4	6.38	27.35	100	77	P	H
		5350.08	48.25	-5.75	54	37.94	31.3	6.37	27.36	100	77	A	H
		5136.68	55.4	-18.6	74	44.61	31.93	6.27	27.41	283	99	P	V
		5117.3	45.91	-8.09	54	35.09	31.97	6.27	27.42	283	99	A	V
	*	5300	113.05	-	-	102.78	31.3	6.34	27.37	283	99	P	V
	*	5300	104.59	-	-	94.32	31.3	6.34	27.37	283	99	A	V
		5374.56	55.95	-18.05	74	45.52	31.4	6.38	27.35	283	99	P	V
		5350.08	47.41	-6.59	54	37.1	31.3	6.37	27.36	283	99	A	V

	*	5320	114.3	-	-	104.02	31.3	6.35	27.37	100	76	P	H
	*	5320	104.49	-	-	94.21	31.3	6.35	27.37	100	76	A	H
		5353.12	60.37	-13.63	74	50.05	31.31	6.37	27.36	100	76	P	H
		5350.08	52.78	-1.22	54	42.47	31.3	6.37	27.36	100	76	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	113.78	-	-	103.5	31.3	6.35	27.37	211	94	P	V
5320MHz	*	5320	104.44	-	-	94.16	31.3	6.35	27.37	211	94	A	V
		5351.68	59.1	-14.9	74	48.78	31.31	6.37	27.36	211	94	P	V
		5350.08	52.12	-1.88	54	41.81	31.3	6.37	27.36	211	94	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax 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)
802.11ax HE20 Full CH 52 5260MHz		10520	54.31	-13.89	68.2	60.53	39.96	10.23	56.41	100	0	P	H
		15780	45.74	-28.26	74	51.43	37.98	12.05	55.72	100	0	P	H
													H
													H
		10520	54.24	-13.96	68.2	60.46	39.96	10.23	56.41	100	0	P	V
		15780	45.83	-28.17	74	51.52	37.98	12.05	55.72	100	0	P	V
													V
													V
802.11ax HE20 Full CH 60 5300MHz		10600	59.38	-14.62	74	65.27	40.2	10.27	56.36	396	113	P	H
		10600	47.35	-6.65	54	53.24	40.2	10.27	56.36	396	113	A	H
		15900	46.22	-27.78	74	52.01	37.8	12.07	55.66	100	0	P	H
													H
		10600	56.95	-17.05	74	62.84	40.2	10.27	56.36	100	300	P	V
		10600	45.67	-8.33	54	51.56	40.2	10.27	56.36	100	300	A	V
		15900	46.74	-27.26	74	52.53	37.8	12.07	55.66	100	0	P	V
													V
802.11ax HE20 Full CH 64 5320MHz		10640	58.63	-15.37	74	64.48	40.2	10.29	56.34	393	113	P	H
		10640	46.29	-7.71	54	52.14	40.2	10.29	56.34	393	113	A	H
		15960	45.05	-28.95	74	50.81	37.8	12.07	55.63	100	0	P	H
													H
		10640	55.86	-18.14	74	61.71	40.2	10.29	56.34	100	301	P	V
		10640	43.89	-10.11	54	49.74	40.2	10.29	56.34	100	301	A	V
		15960	45.25	-28.75	74	51.01	37.8	12.07	55.63	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 106 (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 Partial 106/54 CH 64 5320MHz	*	5320	117.75	-	-	107.47	31.3	6.35	27.37	100	77	P	H
	*	5320	107.71	-	-	97.43	31.3	6.35	27.37	100	77	A	H
		5351.36	58.73	-15.27	74	48.41	31.31	6.37	27.36	100	77	P	H
		5350.72	52.08	-1.92	54	41.77	31.3	6.37	27.36	100	77	A	H
													H
													H
	*	5320	118.38	-	-	108.1	31.3	6.35	27.37	212	96	P	V
	*	5320	107.77	-	-	97.49	31.3	6.35	27.37	212	96	A	V
		5351.68	59.21	-14.79	74	48.89	31.31	6.37	27.36	212	96	P	V
		5350.56	51.82	-2.18	54	41.51	31.3	6.37	27.36	212	96	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 Partial 106 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 64 5320MHz		10640	62.04	-11.96	74	67.89	40.2	10.29	56.34	391	117	P	H
		10640	50.27	-3.73	54	56.12	40.2	10.29	56.34	391	117	A	H
		15960	49.48	-24.52	74	55.24	37.8	12.07	55.63	100	0	P	H
													H
		10640	57.33	-16.67	74	63.18	40.2	10.29	56.34	100	295	P	V
		10640	46.58	-7.42	54	52.43	40.2	10.29	56.34	100	295	A	V
		15960	49.27	-24.73	74	55.03	37.8	12.07	55.63	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax 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 54 5270MHz		5118.66	56.72	-17.28	74	45.91	31.96	6.27	27.42	100	76	P	H
		5088.4	46.91	-7.09	54	36.15	31.93	6.26	27.43	100	76	A	H
	*	5270	108.66	-	-	98.42	31.3	6.32	27.38	100	76	P	H
	*	5270	99.3	-	-	89.06	31.3	6.32	27.38	100	76	A	H
		5350.32	57.28	-16.72	74	46.97	31.3	6.37	27.36	100	76	P	H
		5451.84	47.99	-6.01	54	37.21	31.7	6.41	27.33	100	76	A	H
													V
		5110.84	57.24	-16.76	74	46.41	31.98	6.27	27.42	202	95	P	V
		5149.6	46.7	-7.3	54	35.93	31.9	6.28	27.41	202	95	A	V
	*	5270	109.78	-	-	99.54	31.3	6.32	27.38	202	95	P	V
	*	5270	100.32	-	-	90.08	31.3	6.32	27.38	202	95	A	V
		5427.36	55.83	-18.17	74	45.16	31.61	6.4	27.34	202	95	P	V
802.11ax HE40 Full CH 62 5310MHz		5129.88	56.28	-17.72	74	45.49	31.94	6.27	27.42	100	74	P	H
		5126.82	46.51	-7.49	54	35.71	31.95	6.27	27.42	100	74	A	H
	*	5310	107.77	-	-	97.5	31.3	6.34	27.37	100	74	P	H
	*	5310	97.94	-	-	87.67	31.3	6.34	27.37	100	74	A	H
		5350.08	62.46	-11.54	74	52.15	31.3	6.37	27.36	100	74	P	H
		5350.08	51.37	-2.63	54	41.06	31.3	6.37	27.36	100	74	A	H
		5107.44	56.45	-17.55	74	45.61	31.99	6.27	27.42	210	94	P	V
		5126.82	46.92	-7.08	54	36.12	31.95	6.27	27.42	210	94	A	V
	*	5310	108.32	-	-	98.05	31.3	6.34	27.37	210	94	P	V
	*	5310	98.32	-	-	88.05	31.3	6.34	27.37	210	94	A	V
		5350.56	61.54	-12.46	74	51.23	31.3	6.37	27.36	210	94	P	V
		5350.08	51.54	-2.46	54	41.23	31.3	6.37	27.36	210	94	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax 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)
802.11ax HE40 Full CH 54 5270MHz		10540	49.44	-18.76	68.2	55.58	40.02	10.24	56.4	100	0	P	H
		15810	43.96	-30.04	74	49.72	37.89	12.06	55.71	100	0	P	H
													H
													H
		10540	49.89	-18.31	68.2	56.03	40.02	10.24	56.4	100	0	P	V
		15810	44.03	-29.97	74	49.79	37.89	12.06	55.71	100	0	P	V
													V
													V
802.11ax HE40 Full CH 62 5310MHz		10620	47.14	-26.86	74	53.01	40.2	10.28	56.35	100	0	P	H
		15930	44.15	-29.85	74	49.93	37.8	12.07	55.65	100	0	P	H
													H
													H
		10620	47.63	-26.37	74	53.5	40.2	10.28	56.35	100	0	P	V
		15930	43.52	-30.48	74	49.3	37.8	12.07	55.65	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 Partial 242 (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 Partial 242/62 CH 62 5310MHz		5147.22	55.22	-18.78	74	44.44	31.91	6.28	27.41	100	76	P	H
		5126.82	46.25	-7.75	54	35.45	31.95	6.27	27.42	100	76	A	H
	*	5310	111.86	-	-	101.59	31.3	6.34	27.37	100	76	P	H
	*	5310	102.06	-	-	91.79	31.3	6.34	27.37	100	76	A	H
		5352	56.87	-17.13	74	46.55	31.31	6.37	27.36	100	76	P	H
		5352.96	49.04	-4.96	54	38.72	31.31	6.37	27.36	100	76	A	H
		5126.82	55.74	-18.26	74	44.94	31.95	6.27	27.42	210	98	P	V
		5126.82	46.57	-7.43	54	35.77	31.95	6.27	27.42	210	98	A	V
	*	5310	111.75	-	-	101.48	31.3	6.34	27.37	210	98	P	V
	*	5310	102.25	-	-	91.98	31.3	6.34	27.37	210	98	A	V
		5352.96	56.63	-17.37	74	46.31	31.31	6.37	27.36	210	98	P	V
		5352.96	48.49	-5.51	54	38.17	31.31	6.37	27.36	210	98	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 Partial 242 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 62 5310MHz		10620	47.63	-26.37	74	53.5	40.2	10.28	56.35	100	0	P	H
		15930	44.52	-29.48	74	50.3	37.8	12.07	55.65	100	0	P	H
													H
													H
		10620	49.3	-24.7	74	55.17	40.2	10.28	56.35	100	0	P	V
		15930	44.36	-29.64	74	50.14	37.8	12.07	55.65	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 HE80 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 HE80 Full CH 58 5290MHz		5145.52	57.77	-16.23	74	46.99	31.91	6.28	27.41	100	76	P	H
		5100.64	47.26	-6.74	54	36.41	32	6.27	27.42	100	76	A	H
	*	5290	103.98	-	-	93.71	31.3	6.34	27.37	100	76	P	H
	*	5290	94.27	-	-	84	31.3	6.34	27.37	100	76	A	H
		5355.36	62.66	-11.34	74	52.33	31.32	6.37	27.36	100	76	P	H
		5350.08	51.57	-2.43	54	41.26	31.3	6.37	27.36	100	76	P	H
		5089.08	58.25	-15.75	74	47.49	31.93	6.26	27.43	201	94	P	V
		5116.62	48.26	-5.74	54	37.44	31.97	6.27	27.42	201	94	A	V
	*	5290	104.97	-	-	94.7	31.3	6.34	27.37	201	94	P	V
	*	5290	95.1	-	-	84.83	31.3	6.34	27.37	201	94	A	V
		5355.6	62.74	-11.26	74	52.41	31.32	6.37	27.36	201	94	P	V
		5350.08	51.61	-2.39	54	41.3	31.3	6.37	27.36	201	94	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 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)
802.11ax HE80 Full CH 58 5290MHz		10580	47.35	-20.85	68.2	53.32	40.14	10.26	56.37	100	0	P	H
		15870	43.98	-30.02	74	49.75	37.83	12.07	55.67	100	0	P	H
													H
													H
		10580	47.14	-21.06	68.2	53.11	40.14	10.26	56.37	100	0	P	V
		15870	43.45	-30.55	74	49.22	37.83	12.07	55.67	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 HE80 Partial 484 (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 HE80 Partial 484/66 CH 58 5290MHz		5086.7	59.13	-14.87	74	48.38	31.92	6.26	27.43	100	77	P	H
		5115.94	49.59	-4.41	54	38.77	31.97	6.27	27.42	100	77	A	H
	*	5290	109.85	-	-	99.58	31.3	6.34	27.37	100	77	P	H
	*	5290	99.61	-	-	89.34	31.3	6.34	27.37	100	77	A	H
		5437.68	58.92	-15.08	74	48.21	31.65	6.4	27.34	100	77	P	H
		5350.08	49.86	-4.14	54	39.55	31.3	6.37	27.36	100	77	P	H
		5093.84	61.16	-12.84	74	50.37	31.96	6.26	27.43	200	95	P	V
		5103.36	50.84	-3.16	54	40	31.99	6.27	27.42	200	95	A	V
	*	5290	109.96	-	-	99.69	31.3	6.34	27.37	200	95	P	V
	*	5290	100.4	-	-	90.13	31.3	6.34	27.37	200	95	A	V
		5415.6	58.14	-15.86	74	47.53	31.56	6.39	27.34	200	95	P	V
		5350.08	49.43	-4.57	54	39.12	31.3	6.37	27.36	200	95	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 HE80 Partial 484 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/66 CH 58 5290MHz		10580	47.22	-20.98	68.2	53.19	40.14	10.26	56.37	100	0	P	H
		15870	44.04	-29.96	74	49.81	37.83	12.07	55.67	100	0	P	H
													H
													H
		10580	47.59	-20.61	68.2	53.56	40.14	10.26	56.37	100	0	P	V
		15870	44.83	-29.17	74	50.6	37.83	12.07	55.67	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.76	60.1	-13.9	74	49.3	31.72	6.41	27.33	100	77	P	H
		5467.6	63.02	-5.18	68.2	52.2	31.74	6.41	27.33	100	77	P	H
		5460	50.26	-3.74	54	39.46	31.72	6.41	27.33	100	77	A	H
	*	5500	115.3	-	-	104.4	31.8	6.42	27.32	100	77	P	H
	*	5500	108.34	-	-	97.44	31.8	6.42	27.32	100	77	A	H
													H
		5459.76	59.26	-14.74	74	48.46	31.72	6.41	27.33	228	86	P	V
		5464.56	65.01	-3.19	68.2	54.2	31.73	6.41	27.33	228	86	P	V
		5459.92	49.2	-4.8	54	38.4	31.72	6.41	27.33	228	86	A	V
	*	5500	115.1	-	-	104.2	31.8	6.42	27.32	228	86	P	V
	*	5500	107.06	-	-	96.16	31.8	6.42	27.32	228	86	A	V
													V
802.11a CH 116 5580MHz		5445.04	54.69	-19.31	74	43.94	31.68	6.4	27.33	100	78	P	H
		5465.44	54.59	-13.61	68.2	43.78	31.73	6.41	27.33	100	78	P	H
		5459.92	45.34	-8.66	54	34.54	31.72	6.41	27.33	100	78	A	H
	*	5580	116.39	-	-	105.51	31.82	6.44	27.38	100	78	P	H
	*	5580	109.77	-	-	98.89	31.82	6.44	27.38	100	78	A	H
		5725.625	53.55	-14.65	68.2	42.57	32.05	6.41	27.48	100	78	P	H
		5451.76	54.74	-19.26	74	43.96	31.7	6.41	27.33	260	93	P	V
		5465.2	55.09	-13.11	68.2	44.28	31.73	6.41	27.33	260	93	P	V
		5387.68	45.54	-8.46	54	35.06	31.45	6.38	27.35	260	93	A	V
	*	5580	116.69	-	-	105.81	31.82	6.44	27.38	260	93	P	V
	*	5580	108.86	-	-	97.98	31.82	6.44	27.38	260	93	A	V
		5733.5	53.77	-14.43	68.2	42.78	32.07	6.41	27.49	260	93	P	V

802.11a CH 140 5700MHz	*	5700	112.46	-	-	101.5	32	6.42	27.46	104	75	P	H
	*	5700	105.04	-	-	94.08	32	6.42	27.46	104	75	A	H
		5725.16	65.68	-2.52	68.2	54.7	32.05	6.41	27.48	104	75	P	H
													H
													H
													H
	*	5700	112.84	-	-	101.88	32	6.42	27.46	255	94	P	V
	*	5700	104.95	-	-	93.99	32	6.42	27.46	255	94	A	V
		5727.24	62.61	-5.59	68.2	51.63	32.05	6.41	27.48	255	94	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	49.51	-24.49	74	54.77	40.4	10.47	56.13	100	0	P	H
		16500	49.91	-18.29	68.2	53.66	39.4	12.26	55.41	100	0	P	H
													H
													H
		11000	57.31	-16.69	74	62.57	40.4	10.47	56.13	392	23	P	V
		11000	44.73	-9.27	54	49.99	40.4	10.47	56.13	392	23	A	V
													V
													V
802.11a CH 116 5580MHz		11160	52.64	-21.36	74	58.24	39.88	10.54	56.02	100	307	P	H
		11160	40.21	-13.79	54	45.81	39.88	10.54	56.02	100	307	A	H
		16740	53.37	-14.83	68.2	56.55	40.08	12.35	55.61	100	0	P	H
													H
		11160	56.91	-17.09	74	62.51	39.88	10.54	56.02	361	45	P	V
		11160	43.49	-10.51	54	49.09	39.88	10.54	56.02	361	45	A	V
		16740	56.36	-11.84	68.2	59.54	40.08	12.35	55.61	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	48.84	-25.16	74	54.26	39.8	10.64	55.86	100	0	P	H
		17100	46.86	-21.34	68.2	50.57	39.8	12.52	56.03	100	0	P	H
													H
													H
		11400	48.87	-25.13	74	54.29	39.8	10.64	55.86	100	0	P	V
		17100	47.05	-21.15	68.2	50.76	39.8	12.52	56.03	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)
802.11ax HE20 Full CH 100 5500MHz		5458.64	61.34	-12.66	74	50.54	31.72	6.41	27.33	100	75	P	H
		5466.8	66.84	-1.36	68.2	56.03	31.73	6.41	27.33	100	75	P	H
		5460	50.86	-3.14	54	40.06	31.72	6.41	27.33	100	75	A	H
	*	5500	115.24	-	-	104.34	31.8	6.42	27.32	100	75	P	H
	*	5500	105.88	-	-	94.98	31.8	6.42	27.32	100	75	A	H
		5451.92	60.1	-13.9	74	49.32	31.7	6.41	27.33	262	94	P	V
		5469.52	64.77	-3.43	68.2	53.95	31.74	6.41	27.33	262	94	P	V
		5460	49	-5	54	38.2	31.72	6.41	27.33	262	94	A	V
	*	5500	114.56	-	-	103.66	31.8	6.42	27.32	262	94	P	V
	*	5500	104.25	-	-	93.35	31.8	6.42	27.32	262	94	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5459.92	55.7	-18.3	74	44.9	31.72	6.41	27.33	100	74	P	H
		5468.56	55.49	-12.71	68.2	44.67	31.74	6.41	27.33	100	74	P	H
		5459.92	46.49	-7.51	54	35.69	31.72	6.41	27.33	100	74	A	H
	*	5580	116.03	-	-	105.15	31.82	6.44	27.38	100	74	P	H
	*	5580	105.88	-	-	95	31.82	6.44	27.38	100	74	A	H
		5732.555	54.52	-13.68	68.2	43.53	32.07	6.41	27.49	100	74	P	H
		5446.72	56.08	-17.92	74	45.32	31.69	6.4	27.33	283	95	P	V
		5463.04	54.74	-13.46	68.2	43.93	31.73	6.41	27.33	283	95	P	V
		5459.92	45.7	-8.3	54	34.9	31.72	6.41	27.33	283	95	A	V
	*	5580	114.77	-	-	103.89	31.82	6.44	27.38	283	95	P	V
	*	5580	105	-	-	94.12	31.82	6.44	27.38	283	95	A	V
		5755.865	54.09	-14.11	68.2	43.09	32.1	6.4	27.5	283	95	P	V

	*	5700	112.04	-	-	101.08	32	6.42	27.46	100	71	P	H
	*	5700	102.48	-	-	91.52	32	6.42	27.46	100	71	A	H
		5726.76	64.67	-3.53	68.2	53.69	32.05	6.41	27.48	100	71	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	113.43	-	-	102.47	32	6.42	27.46	278	95	P	V
5700MHz	*	5700	102.83	-	-	91.87	32	6.42	27.46	278	95	A	V
		5725.24	66.98	-1.22	68.2	56	32.05	6.41	27.48	278	95	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)
802.11ax HE20 Full CH 100 5500MHz		11000	48.43	-25.57	74	53.69	40.4	10.47	56.13	100	0	P	H
		16500	49.43	-18.77	68.2	53.18	39.4	12.26	55.41	100	0	P	H
													H
													H
		11000	47.43	-26.57	74	52.69	40.4	10.47	56.13	100	0	P	V
		16500	51.21	-16.99	68.2	54.96	39.4	12.26	55.41	100	0	P	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		11160	47.93	-26.07	74	53.53	39.88	10.54	56.02	100	0	P	H
		16740	49.93	-18.27	68.2	53.11	40.08	12.35	55.61	100	0	P	H
													H
													H
		11160	46.94	-27.06	74	52.54	39.88	10.54	56.02	100	0	P	V
		16740	51.57	-16.63	68.2	54.75	40.08	12.35	55.61	100	0	P	V
													V
													V
802.11ax HE20 Full CH 140 5700MHz		11400	48.42	-25.58	74	53.84	39.8	10.64	55.86	100	0	P	H
		17100	48.65	-19.55	68.2	52.36	39.8	12.52	56.03	100	0	P	H
													H
													H
		11400	48.88	-25.12	74	54.3	39.8	10.64	55.86	100	0	P	V
		17100	49.59	-18.61	68.2	53.3	39.8	12.52	56.03	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 Partial 106 (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 Partial 106/53 CH 100 5500MHz		5456.08	59.06	-14.94	74	48.27	31.71	6.41	27.33	100	75	P	H
		5468.56	61.17	-7.03	68.2	50.35	31.74	6.41	27.33	100	75	P	H
		5459.92	50.17	-3.83	54	39.37	31.72	6.41	27.33	100	75	A	H
	*	5500	119.02	-	-	108.12	31.8	6.42	27.32	100	75	P	H
	*	5500	108.96	-	-	98.06	31.8	6.42	27.32	100	75	A	H
		5764.37	52.3	-15.9	68.2	41.31	32.1	6.4	27.51	100	75	P	H
		5454.4	57.87	-16.13	74	47.08	31.71	6.41	27.33	297	91	P	V
		5468.32	58.2	-10	68.2	47.38	31.74	6.41	27.33	297	91	P	V
		5459.44	48.75	-5.25	54	37.95	31.72	6.41	27.33	297	91	A	V
	*	5500	117.11	-	-	106.21	31.8	6.42	27.32	297	91	P	V
	*	5500	107.41	-	-	96.51	31.8	6.42	27.32	297	91	A	V
		5729.09	51.76	-16.44	68.2	40.77	32.06	6.41	27.48	297	91	P	V
802.11ax HE20 Partial 106/54 CH 140 5700MHz	*	5700	116.82	-	-	105.86	32	6.42	27.46	100	76	P	H
	*	5700	106.32	-	-	95.36	32	6.42	27.46	100	76	A	H
		5728.92	65.66	-2.54	68.2	54.67	32.06	6.41	27.48	100	76	P	H
													H
													H
													H
	*	5700	117.02	-	-	106.06	32	6.42	27.46	266	93	P	V
	*	5700	107.26	-	-	96.3	32	6.42	27.46	266	93	A	V
		5728.44	66.99	-1.21	68.2	56	32.06	6.41	27.48	266	93	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 Partial 106 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 100 5500MHz		11000	47.18	-26.82	74	52.44	40.4	10.47	56.13	100	0	P	H
		16500	55.35	-12.85	68.2	59.1	39.4	12.26	55.41	100	0	P	H
													H
													H
		11000	48.82	-25.18	74	54.08	40.4	10.47	56.13	100	0	P	V
		16500	62.15	-6.05	68.2	65.9	39.4	12.26	55.41	100	0	P	V
													V
													V
802.11ax HE20 Partial 106/54 CH 140 5700MHz		11400	47.13	-26.87	74	52.55	39.8	10.64	55.86	100	0	P	H
		17100	46.98	-21.22	68.2	50.69	39.8	12.52	56.03	100	0	P	H
													H
													H
		11400	47.36	-26.64	74	52.78	39.8	10.64	55.86	100	0	P	V
		17100	53.57	-14.63	68.2	57.28	39.8	12.52	56.03	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)
802.11ax HE40 Full CH 102 5510MHz		5459.92	60.79	-13.21	74	49.99	31.72	6.41	27.33	100	75	P	H
		5469.52	65.11	-3.09	68.2	54.29	31.74	6.41	27.33	100	75	P	H
		5458.24	49.81	-4.19	54	39.01	31.72	6.41	27.33	100	75	A	H
	*	5510	106.77	-	-	95.9	31.78	6.42	27.33	100	75	P	H
	*	5510	98.6	-	-	87.73	31.78	6.42	27.33	100	75	A	H
		5746.415	51.66	-16.54	68.2	40.66	32.09	6.41	27.5	100	75	P	H
		5452.72	57.34	-16.66	74	46.55	31.71	6.41	27.33	254	30	P	V
		5463.28	62.5	-5.7	68.2	51.69	31.73	6.41	27.33	254	30	P	V
		5458	48.3	-5.7	54	37.5	31.72	6.41	27.33	254	30	A	V
	*	5510	105.31	-	-	94.44	31.78	6.42	27.33	254	30	P	V
	*	5510	97.25	-	-	86.38	31.78	6.42	27.33	254	30	A	V
		5729.72	50.66	-17.54	68.2	39.68	32.06	6.41	27.49	254	30	P	V
802.11ax HE40 Full CH 110 5550MHz		5452.96	59.52	-14.48	74	48.73	31.71	6.41	27.33	110	76	P	H
		5464.48	60.71	-7.49	68.2	49.9	31.73	6.41	27.33	110	76	P	H
		5459.92	51.26	-2.74	54	40.46	31.72	6.41	27.33	110	76	A	H
	*	5550	110.82	-	-	100.05	31.7	6.43	27.36	110	76	P	H
	*	5550	102.7	-	-	91.93	31.7	6.43	27.36	110	76	A	H
		5744.21	54.64	-13.56	68.2	43.64	32.09	6.41	27.5	110	76	P	H
		5453.2	58.22	-15.78	74	47.43	31.71	6.41	27.33	260	33	P	V
		5467.84	60.1	-8.1	68.2	49.28	31.74	6.41	27.33	260	33	P	V
		5459.92	49.07	-4.93	54	38.27	31.72	6.41	27.33	260	33	A	V
	*	5550	110.02	-	-	99.25	31.7	6.43	27.36	260	33	P	V
	*	5550	101.66	-	-	90.89	31.7	6.43	27.36	260	33	A	V
		5740.115	52.91	-15.29	68.2	41.91	32.08	6.41	27.49	260	33	P	V

802.11ax HE40 Full CH 134 5670MHz		5455.7	53.1	-20.9	74	42.31	31.71	6.41	27.33	100	63	P	H
		5462.35	53.27	-14.93	68.2	42.47	31.72	6.41	27.33	100	63	P	H
		5459.55	44.41	-9.59	54	33.61	31.72	6.41	27.33	100	63	A	H
	*	5670	109.31	-	-	98.44	31.88	6.43	27.44	100	63	P	H
	*	5670	101.46	-	-	90.59	31.88	6.43	27.44	100	63	A	H
		5725	65.62	-2.58	68.2	54.64	32.05	6.41	27.48	100	63	P	H
		5459.55	52.98	-21.02	74	42.18	31.72	6.41	27.33	253	37	P	V
		5468.3	51.75	-16.45	68.2	40.93	31.74	6.41	27.33	253	37	P	V
		5459.9	43.16	-10.84	54	32.36	31.72	6.41	27.33	253	37	A	V
	*	5670	109.25	-	-	98.38	31.88	6.43	27.44	253	37	P	V
	*	5670	100.56	-	-	89.69	31.88	6.43	27.44	253	37	A	V
		5725	62.66	-5.54	68.2	51.68	32.05	6.41	27.48	253	37	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)
802.11ax HE40 Full CH 102 5510MHz		11020	47.21	-26.79	74	52.53	40.32	10.48	56.12	100	0	P	H
		16530	45.46	-22.74	68.2	49.23	39.4	12.27	55.44	100	0	P	H
													H
													H
		11020	47.15	-26.85	74	52.47	40.32	10.48	56.12	100	0	P	V
		16530	45.14	-23.06	68.2	48.91	39.4	12.27	55.44	100	0	P	V
													V
													V
802.11ax HE40 Full CH 110 5550MHz		11100	47.08	-26.92	74	52.63	40	10.51	56.06	100	0	P	H
		16650	46.08	-22.12	68.2	49.61	39.7	12.31	55.54	100	0	P	H
													H
													H
		11100	46.41	-27.59	74	51.96	40	10.51	56.06	100	0	P	V
		16650	46.76	-21.44	68.2	50.29	39.7	12.31	55.54	100	0	P	V
													V
													V
802.11ax HE40 Full CH 134 5670MHz		11340	47.8	-26.2	74	53.35	39.74	10.61	55.9	100	0	P	H
		17010	47.97	-20.23	68.2	51.21	40.16	12.45	55.85	100	0	P	H
													H
													H
		11340	46.77	-27.23	74	52.32	39.74	10.61	55.9	100	0	P	V
		17010	49.5	-18.7	68.2	52.74	40.16	12.45	55.85	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 Partial 242 (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 Partial 242/61 CH 102 5510MHz		5447.92	57.85	-16.15	74	47.09	31.69	6.4	27.33	100	75	P	H
		5469.04	58.92	-9.28	68.2	48.1	31.74	6.41	27.33	100	75	P	H
		5459.92	48.56	-5.44	54	37.76	31.72	6.41	27.33	100	75	A	H
	*	5510	112.49	44.29	68.2	101.62	31.78	6.42	27.33	100	75	P	H
	*	5510	102.12	48.12	54	91.25	31.78	6.42	27.33	100	75	A	H
		5742.005	52.84	-15.36	68.2	41.84	32.08	6.41	27.49	100	75	P	H
		5456.8	57.55	-16.45	74	46.76	31.71	6.41	27.33	268	91	P	V
		5465.2	58.32	-9.88	68.2	47.51	31.73	6.41	27.33	268	91	P	V
		5459.68	47.33	-6.67	54	36.53	31.72	6.41	27.33	268	91	A	V
	*	5510	111.11	42.91	68.2	100.24	31.78	6.42	27.33	268	91	P	V
	*	5510	100.95	46.95	54	90.08	31.78	6.42	27.33	268	91	A	V
		5729.405	53.39	-14.81	68.2	42.41	32.06	6.41	27.49	268	91	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5456.75	55.61	-18.39	74	44.82	31.71	6.41	27.33	100	76	P	H
		5469	54.97	-13.23	68.2	44.15	31.74	6.41	27.33	100	76	P	H
		5459.9	45.72	-8.28	54	34.92	31.72	6.41	27.33	100	76	A	H
	*	5670	109.07	40.87	68.2	98.2	31.88	6.43	27.44	100	76	P	H
	*	5670	99.08	45.08	54	88.21	31.88	6.43	27.44	100	76	A	H
		5727.515	56.54	-11.66	68.2	45.55	32.06	6.41	27.48	100	76	P	H
		5440.65	55.15	-18.85	74	44.43	31.66	6.4	27.34	293	98	P	V
		5469	54.74	-13.46	68.2	43.92	31.74	6.41	27.33	293	98	P	V
		5459.55	44.96	-9.04	54	34.16	31.72	6.41	27.33	293	98	A	V
	*	5670	109.67	41.47	68.2	98.8	31.88	6.43	27.44	293	98	P	V
	*	5670	99.8	45.8	54	88.93	31.88	6.43	27.44	293	98	A	V
		5728.145	56.97	-11.23	68.2	45.98	32.06	6.41	27.48	293	98	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 Partial 242 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 102 5510MHz		11020	47.31	-26.69	74	52.63	40.32	10.48	56.12	100	0	P	H
		16530	46.52	-21.68	68.2	50.29	39.4	12.27	55.44	100	0	P	H
													H
													H
		11020	47.3	-26.7	74	52.62	40.32	10.48	56.12	100	0	P	V
		16530	46.17	-22.03	68.2	49.94	39.4	12.27	55.44	100	0	P	V
													V
													V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		11340	47.27	-26.73	74	52.82	39.74	10.61	55.9	100	0	P	H
		17010	48.17	-20.03	68.2	51.41	40.16	12.45	55.85	100	0	P	H
													H
													H
		11340	48.29	-25.71	74	53.84	39.74	10.61	55.9	100	0	P	V
		17010	49.04	-19.16	68.2	52.28	40.16	12.45	55.85	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 HE80 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 HE80 Full CH 106 5530MHz		5454.88	63.08	-10.92	74	52.29	31.71	6.41	27.33	100	76	P	H
		5461.84	63.47	-4.73	68.2	52.67	31.72	6.41	27.33	100	76	P	H
		5459.68	50.95	-3.05	54	40.15	31.72	6.41	27.33	100	76	A	H
	*	5530	106.98	-	-	96.15	31.74	6.43	27.34	100	76	P	H
	*	5530	95.7	-	-	84.87	31.74	6.43	27.34	100	76	A	H
		5733.5	55.91	-12.29	68.2	44.92	32.07	6.41	27.49	100	76	P	H
		5454.88	62.02	-11.98	74	51.23	31.71	6.41	27.33	266	33	P	V
		5465.68	62.78	-5.42	68.2	51.97	31.73	6.41	27.33	266	33	P	V
		5459.92	48.46	-5.54	54	37.66	31.72	6.41	27.33	266	33	A	V
	*	5530	103.33	-	-	92.5	31.74	6.43	27.34	266	33	P	V
	*	5530	92.39	-	-	81.56	31.74	6.43	27.34	266	33	A	V
		5742.005	54.26	-13.94	68.2	43.26	32.08	6.41	27.49	266	33	P	V
802.11ax HE80 Full CH 122 5610MHz		5452	59.48	-14.52	74	48.7	31.7	6.41	27.33	105	75	P	H
		5462.56	58.53	-9.67	68.2	47.72	31.73	6.41	27.33	105	75	P	H
		5416.96	50.06	-3.94	54	39.43	31.57	6.4	27.34	105	75	A	H
	*	5610	105.97	-	-	95.04	31.88	6.45	27.4	105	75	P	H
	*	5610	95.99	-	-	85.06	31.88	6.45	27.4	105	75	A	H
		5735.705	57.98	-10.22	68.2	46.99	32.07	6.41	27.49	105	75	P	H
		5405.44	57.19	-16.81	74	46.62	31.52	6.39	27.34	258	34	P	V
		5461.36	55.28	-12.92	68.2	44.48	31.72	6.41	27.33	258	34	P	V
		5405.68	47.62	-6.38	54	37.05	31.52	6.39	27.34	258	34	A	V
	*	5610	103.7	-	-	92.77	31.88	6.45	27.4	258	34	P	V
	*	5610	93.06	-	-	82.13	31.88	6.45	27.4	258	34	A	V
		5726.255	56.53	-11.67	68.2	45.55	32.05	6.41	27.48	258	34	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 HE80 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)
802.11ax HE80 Full CH 106 5530MHz		11060	48.69	-25.31	74	54.12	40.16	10.5	56.09	100	0	P	H
		16590	47.26	-20.94	68.2	51.06	39.4	12.29	55.49	100	0	P	H
													H
													H
		11060	47.96	-26.04	74	53.39	40.16	10.5	56.09	100	0	P	V
		16590	46.14	-22.06	68.2	49.94	39.4	12.29	55.49	100	0	P	V
													V
													V
802.11ax HE80 Full CH 122 5610MHz		11220	47.12	-26.88	74	52.76	39.78	10.56	55.98	100	0	P	H
		16830	47.15	-21.05	68.2	50.29	40.17	12.38	55.69	100	0	P	H
													H
													H
		11220	47.76	-26.24	74	53.4	39.78	10.56	55.98	100	0	P	V
		16830	47.25	-20.95	68.2	50.39	40.17	12.38	55.69	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 802.11ax HE80 Partial 484 (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 HE80 Partial 484/65 CH 106 5530MHz		5452.24	60.77	-13.23	74	49.99	31.7	6.41	27.33	100	75	P	H
		5467.12	65.23	-2.97	68.2	54.42	31.73	6.41	27.33	100	75	P	H
		5459.92	51.03	-2.97	54	40.23	31.72	6.41	27.33	100	75	A	H
	*	5530	108.83	-	-	98	31.74	6.43	27.34	100	75	P	H
	*	5530	98.58	-	-	87.75	31.74	6.43	27.34	100	75	A	H
		5755.55	56.13	-12.07	68.2	45.13	32.1	6.4	27.5	100	75	P	H
		5448.16	59.2	-14.8	74	48.44	31.69	6.4	27.33	349	98	P	V
		5465.68	66.31	-1.89	68.2	55.5	31.73	6.41	27.33	349	98	P	V
		5350.24	49.63	-4.37	54	39.32	31.3	6.37	27.36	349	98	A	V
	*	5530	108.17	-	-	97.34	31.74	6.43	27.34	349	98	P	V
	*	5530	98.29	-	-	87.46	31.74	6.43	27.34	349	98	A	V
		5751.77	56.84	-11.36	68.2	45.84	32.1	6.4	27.5	349	98	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		5379.4	60.11	-13.89	74	49.66	31.42	6.38	27.35	100	78	P	H
		5463.4	58.63	-9.57	68.2	47.82	31.73	6.41	27.33	100	78	P	H
		5411.25	50.15	-3.85	54	39.55	31.55	6.39	27.34	100	78	A	H
	*	5610	108.43	-	-	97.5	31.88	6.45	27.4	100	78	P	H
	*	5610	98.46	-	-	87.53	31.88	6.45	27.4	100	78	A	H
		5741.06	57.11	-11.09	68.2	46.11	32.08	6.41	27.49	100	78	P	H
		5453.25	59.16	-14.84	74	48.37	31.71	6.41	27.33	303	96	P	V
		5463.05	57.06	-11.14	68.2	46.25	31.73	6.41	27.33	303	96	P	V
		5416.85	49.84	-4.16	54	39.21	31.57	6.4	27.34	303	96	A	V
	*	5610	108.33	-	-	97.4	31.88	6.45	27.4	303	96	P	V
	*	5610	98.63	-	-	87.7	31.88	6.45	27.4	303	96	A	V
		5748.305	58.4	-9.8	68.2	47.39	32.1	6.41	27.5	303	96	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 HE80 Partial 484 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 106 5530MHz		11060	47.6	-26.4	74	53.03	40.16	10.5	56.09	100	0	P	H
		16590	46.13	-22.07	68.2	49.93	39.4	12.29	55.49	100	0	P	H
													H
													H
		11060	47.99	-26.01	74	53.42	40.16	10.5	56.09	100	0	P	V
		16590	45.9	-22.3	68.2	49.7	39.4	12.29	55.49	100	0	P	V
													V
													V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		11220	46.48	-27.52	74	52.12	39.78	10.56	55.98	100	0	P	H
		16830	46.55	-21.65	68.2	49.69	40.17	12.38	55.69	100	0	P	H
													H
													H
		11220	46.49	-27.51	74	52.13	39.78	10.56	55.98	100	0	P	V
		16830	47.29	-20.91	68.2	50.43	40.17	12.38	55.69	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 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		5440.09	52.79	-21.21	74	42.07	31.66	6.4	27.34	100	71	P	H
		5467.78	52.62	-15.58	68.2	41.8	31.74	6.41	27.33	100	71	P	H
		5459.98	43.04	-10.96	54	32.24	31.72	6.41	27.33	100	71	A	H
	*	5720	114.88	-	-	103.91	32.04	6.41	27.48	100	71	P	H
	*	5720	108.42	-	-	97.45	32.04	6.41	27.48	100	71	A	H
		5858.5	53.99	-14.21	68.2	42.8	32.33	6.44	27.58	100	71	P	H
		5371.84	51.65	-22.35	74	41.23	31.39	6.38	27.35	239	96	P	V
		5469.34	51.64	-16.56	68.2	40.82	31.74	6.41	27.33	239	96	P	V
		5459.98	42.37	-11.63	54	31.57	31.72	6.41	27.33	239	96	A	V
	*	5720	115.75	-	-	104.78	32.04	6.41	27.48	239	96	P	V
	*	5720	108.87	-	-	97.9	32.04	6.41	27.48	239	96	A	V
		5858.75	53.91	-14.29	68.2	42.72	32.33	6.44	27.58	239	96	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (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	49.2	-24.8	74	54.46	39.92	10.65	55.83	100	0	P	H
		17160	53.89	-14.31	68.2	57.63	39.86	12.56	56.16	100	0	P	H
													H
													H
		11440	49.43	-24.57	74	54.69	39.92	10.65	55.83	100	0	P	V
		17160	55.77	-12.43	68.2	59.51	39.86	12.56	56.16	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		5453.35	52.45	-21.55	74	41.66	31.71	6.41	27.33	100	59	P	H
		5468.95	50.91	-17.29	68.2	40.09	31.74	6.41	27.33	100	59	P	H
		5459.98	42.44	-11.56	54	31.64	31.72	6.41	27.33	100	59	A	H
	*	5720	113.78	-	-	102.81	32.04	6.41	27.48	100	59	P	H
	*	5720	104.68	-	-	93.71	32.04	6.41	27.48	100	59	A	H
		5918.5	53.1	-15.1	68.2	41.66	32.57	6.49	27.62	100	59	P	H
		5400.31	51.33	-22.67	74	40.79	31.5	6.39	27.35	298	93	P	V
		5462.71	51.25	-16.95	68.2	40.44	31.73	6.41	27.33	298	93	P	V
		5459.59	42.13	-11.87	54	31.33	31.72	6.41	27.33	298	93	A	V
	*	5720	113.98	-	-	103.01	32.04	6.41	27.48	298	93	P	V
	*	5720	105.05	-	-	94.08	32.04	6.41	27.48	298	93	A	V
		5884.75	54.52	-13.68	68.2	43.22	32.44	6.46	27.6	298	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 802.11ax 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)
802.11ax HE20 Full CH 144 5720MHz		11440	48.08	-25.92	74	53.34	39.92	10.65	55.83	100	0	P	H
		17160	50.48	-17.72	68.2	54.22	39.86	12.56	56.16	100	0	P	H
													H
													H
		11440	47.96	-26.04	74	53.22	39.92	10.65	55.83	100	0	P	V
		17160	54.08	-14.12	68.2	57.82	39.86	12.56	56.16	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 Partial 106 (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 Partial 106/54 CH 144 5720MHz		5438.92	52.41	-21.59	74	41.69	31.66	6.4	27.34	100	71	P	H
		5464.66	52.42	-15.78	68.2	41.61	31.73	6.41	27.33	100	71	P	H
		5459.59	42.64	-11.36	54	31.84	31.72	6.41	27.33	100	71	A	H
	*	5720	117.68	-	-	106.71	32.04	6.41	27.48	100	71	P	H
	*	5720	107.48	-	-	96.51	32.04	6.41	27.48	100	71	A	H
		5857.5	55.27	-12.93	68.2	44.08	32.33	6.44	27.58	100	71	P	H
		5436.97	52.34	-21.66	74	41.63	31.65	6.4	27.34	275	96	P	V
		5466.22	50.55	-17.65	68.2	39.74	31.73	6.41	27.33	275	96	P	V
		5459.98	42.37	-11.63	54	31.57	31.72	6.41	27.33	275	96	A	V
	*	5720	117.88	-	-	106.91	32.04	6.41	27.48	275	96	P	V
	*	5720	107.98	-	-	97.01	32.04	6.41	27.48	275	96	A	V
		5857	54.83	-13.37	68.2	43.64	32.33	6.44	27.58	275	96	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 Straddle Channel

WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 144 5720MHz		11440	48.44	-25.56	74	53.7	39.92	10.65	55.83	100	0	P	H
		17160	53.61	-14.59	68.2	57.35	39.86	12.56	56.16	100	0	P	H
													H
													H
		11440	48.59	-25.41	74	53.85	39.92	10.65	55.83	100	0	P	V
		17160	55.57	-12.63	68.2	59.31	39.86	12.56	56.16	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	52.83	-21.17	74	42.11	31.66	6.4	27.34	103	63	P	H
		5469.73	51.57	-16.63	68.2	40.75	31.74	6.41	27.33	103	63	P	H
		5459.98	43.27	-10.73	54	32.47	31.72	6.41	27.33	103	63	A	H
	*	5710	109.4	-	-	98.43	32.02	6.42	27.47	103	63	P	H
	*	5710	101.55	-	-	90.58	32.02	6.42	27.47	103	63	A	H
		5861.5	54.57	-13.63	68.2	43.36	32.35	6.44	27.58	103	63	P	H
		5445.55	51.77	-22.23	74	41.02	31.68	6.4	27.33	262	36	P	V
		5469.73	51.97	-16.23	68.2	41.15	31.74	6.41	27.33	262	36	P	V
		5459.98	42.39	-11.61	54	31.59	31.72	6.41	27.33	262	36	A	V
	*	5710	109.64	-	-	98.67	32.02	6.42	27.47	262	36	P	V
	*	5710	101.37	-	-	90.4	32.02	6.42	27.47	262	36	A	V
		5859.25	55.62	-12.58	68.2	44.42	32.34	6.44	27.58	262	36	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)
802.11ax HE40 Full CH 142 5710MHz		11420	47.49	-26.51	74	52.82	39.86	10.65	55.84	100	0	P	H
		17130	49.28	-18.92	68.2	53.02	39.83	12.53	56.1	100	0	P	H
													H
													H
		11420	48.57	-25.43	74	53.9	39.86	10.65	55.84	100	0	P	V
		17130	47.31	-20.89	68.2	51.05	39.83	12.53	56.1	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 Partial 242 (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 Partial 242/62 CH 142 5710MHz		5448.67	52.92	-21.08	74	42.16	31.69	6.4	27.33	100	70	P	H
		5468.95	53.75	-14.45	68.2	42.93	31.74	6.41	27.33	100	70	P	H
		5459.98	43.48	-10.52	54	32.68	31.72	6.41	27.33	100	70	A	H
	*	5710	108.57	-	-	97.6	32.02	6.42	27.47	100	70	P	H
	*	5710	99.77	-	-	88.8	32.02	6.42	27.47	100	70	A	H
		5867.5	53.7	-14.5	68.2	42.46	32.37	6.45	27.58	100	70	P	H
		5450.62	52.18	-21.82	74	41.4	31.7	6.41	27.33	273	96	P	V
		5468.95	52.9	-15.3	68.2	42.08	31.74	6.41	27.33	273	96	P	V
		5459.59	43.77	-10.23	54	32.97	31.72	6.41	27.33	273	96	A	V
	*	5710	109.57	-	-	98.6	32.02	6.42	27.47	273	96	P	V
	*	5710	100.24	-	-	89.27	32.02	6.42	27.47	273	96	A	V
		5854.5	55.75	-12.45	68.2	44.57	32.32	6.44	27.58	273	96	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 Straddle Channel

WIFI 802.11ax HE40 Partial 242 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 142 5710MHz		11420	47.39	-26.61	74	52.72	39.86	10.65	55.84	100	0	P	H
		17130	47.91	-20.29	68.2	51.65	39.83	12.51	56.1	100	0	P	H
													H
													H
		11420	47.77	-26.23	74	53.1	39.86	10.65	55.84	100	0	P	V
		17130	47.45	-20.75	68.2	51.19	39.83	12.51	56.1	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 HE80 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 HE80 Full CH 138 5690MHz		5448.28	57.9	-16.1	74	47.14	31.69	6.4	27.33	100	71	P	H
		5469.34	58.23	-9.97	68.2	47.41	31.74	6.41	27.33	100	71	P	H
		5459.98	49.05	-4.95	54	38.25	31.72	6.41	27.33	100	71	A	H
	*	5690	106.09	-	-	95.17	31.96	6.42	27.46	100	71	P	H
	*	5690	95.5	-	-	84.58	31.96	6.42	27.46	100	71	A	H
		5887.9	56.08	-12.12	68.2	44.77	32.45	6.46	27.6	100	71	P	H
		5457.64	55.14	-18.86	74	44.34	31.72	6.41	27.33	265	37	P	V
		5461.93	55.34	-12.86	68.2	44.54	31.72	6.41	27.33	265	37	P	V
		5459.98	46.86	-7.14	54	36.06	31.72	6.41	27.33	265	37	A	V
	*	5690	103.49	-	-	92.57	31.96	6.42	27.46	265	37	P	V
	*	5690	92.99	-	-	82.07	31.96	6.42	27.46	265	37	A	V
		5894.5	54.93	-13.27	68.2	43.58	32.48	6.47	27.6	265	37	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 HE80 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)
802.11ax HE80 Full CH 138 5690MHz		11380	46.91	-27.09	74	52.37	39.78	10.63	55.87	100	0	P	H
		17070	47.17	-21.03	68.2	50.73	39.92	12.49	55.97	100	0	P	H
													H
													H
		11380	46.97	-27.03	74	52.43	39.78	10.63	55.87	100	0	P	V
		17070	47.83	-20.37	68.2	51.39	39.92	12.49	55.97	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 HE80 Partial 484 (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 HE80 Partial 484/66 CH 138 5690MHz		5459.59	58.7	-15.3	74	47.9	31.72	6.41	27.33	100	71	P	H
		5468.17	60.09	-8.11	68.2	49.27	31.74	6.41	27.33	100	71	P	H
		5459.98	48.94	-5.06	54	38.14	31.72	6.41	27.33	100	71	A	H
	*	5690	108.73	-	-	97.81	31.96	6.42	27.46	100	71	P	H
	*	5690	98.84	-	-	87.92	31.96	6.42	27.46	100	71	A	H
		5864.2	57.04	-11.16	68.2	45.82	32.36	6.44	27.58	100	71	P	H
		5452.18	56.24	-17.76	74	45.46	31.7	6.41	27.33	292	96	P	V
		5462.32	56.72	-11.48	68.2	45.92	31.72	6.41	27.33	292	96	P	V
		5459.98	48.05	-5.95	54	37.25	31.72	6.41	27.33	292	96	A	V
	*	5690	108.53	-	-	97.61	31.96	6.42	27.46	292	96	P	V
	*	5690	98.99	-	-	88.07	31.96	6.42	27.46	292	96	A	V
		5873.2	56.74	-11.46	68.2	45.49	32.39	6.45	27.59	292	96	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 Straddle Channel

WIFI 802.11ax HE80 Partial 242 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 242/61 CH 138 5690MHz		11380	47.86	-26.14	74	53.32	39.78	10.63	55.87	100	0	P	H
		17070	47.52	-20.68	68.2	51.08	39.92	12.49	55.97	100	0	P	H
													H
													H
		11380	47.72	-26.28	74	53.18	39.78	10.63	55.87	100	0	P	V
		17070	46.89	-21.31	68.2	50.45	39.92	12.49	55.97	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 HE20 Full (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full LF		72.68	22.09	-17.91	40	41.17	12.39	0.79	32.26	-	-	P	H
		123.12	30.2	-13.3	43.5	43.87	17.53	1.04	32.24	100	0	P	H
		307.42	22.78	-23.22	46	33.73	19.3	1.59	31.84	-	-	P	H
		568.35	26.35	-19.65	46	30.74	25.87	2.12	32.38	-	-	P	H
		731.31	31.63	-14.37	46	34.02	27.02	2.43	31.84	-	-	P	H
		949.56	32.51	-13.49	46	30.22	30.28	2.8	30.79	-	-	P	H
													H
													H
													H
													H
													H
													H
		33.88	26.99	-13.01	40	36.1	22.58	0.55	32.24	100	0	P	V
		120.21	27	-16.5	43.5	40.71	17.5	1.03	32.24	-	-	P	V
		307.42	24.48	-21.52	46	35.43	19.3	1.59	31.84	-	-	P	V
		751.68	28.71	-17.29	46	30.28	27.65	2.47	31.69	-	-	P	V
		850.62	31.37	-14.63	46	31.25	28.66	2.64	31.18	-	-	P	V
		961.2	36.75	-17.25	54	33.81	30.84	2.83	30.73	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<TXBF Mode>

Band 1 - 5150~5250MHz

WIFI 802.11ax HE20 Full (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)
802.11ax HE20 Full CH 36 5180MHz		5142.22	65.33	-8.67	74	54.54	31.92	6.28	27.41	158	58	P	H
		5149.76	49.84	-4.16	54	39.07	31.9	6.28	27.41	158	58	A	H
	*	5180	112.29	-	-	101.63	31.78	6.28	27.4	158	58	P	H
	*	5180	102.66	-	-	92	31.78	6.28	27.4	158	58	A	H
													H
													H
		5140.14	67.69	-6.31	74	56.9	31.92	6.28	27.41	101	118	P	V
		5149.76	51.93	-2.07	54	41.16	31.9	6.28	27.41	101	118	A	V
	*	5180	113.13	-	-	102.47	31.78	6.28	27.4	101	118	P	V
	*	5180	103.65	-	-	92.99	31.78	6.28	27.4	101	118	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5145.34	61.63	-12.37	74	50.85	31.91	6.28	27.41	160	59	P	H
		5150	50.47	-3.53	54	39.7	31.9	6.28	27.41	160	59	A	H
	*	5220	116.34	-	-	105.89	31.54	6.3	27.39	160	59	P	H
	*	5220	108.76	-	-	98.31	31.54	6.3	27.39	160	59	A	H
		5365.08	53.93	-20.07	74	43.56	31.36	6.37	27.36	160	59	P	H
		5355.28	45.62	-8.38	54	35.29	31.32	6.37	27.36	160	59	A	H
		5141.7	61.14	-12.86	74	50.35	31.92	6.28	27.41	100	117	P	V
		5148.72	52.47	-1.53	54	41.7	31.9	6.28	27.41	100	117	A	V
	*	5220	117.01	-	-	106.56	31.54	6.3	27.39	100	117	P	V
	*	5220	108.52	-	-	98.07	31.54	6.3	27.39	100	117	A	V
		5351.92	57.12	-16.88	74	46.8	31.31	6.37	27.36	100	117	P	V
		5350.52	48.97	-5.03	54	38.66	31.3	6.37	27.36	100	117	A	V

802.11ax HE20 Full CH 48 5240MHz		5138.32	61.79	-12.21	74	51.01	31.92	6.27	27.41	127	85	P	H
		5149.5	51.13	-2.87	54	40.36	31.9	6.28	27.41	127	85	A	H
	*	5240	118.9	-	-	108.6	31.38	6.31	27.39	127	85	P	H
	*	5240	110.13	-	-	99.83	31.38	6.31	27.39	127	85	A	H
		5361.16	59.62	-14.38	74	49.27	31.34	6.37	27.36	127	85	P	H
		5350	50.49	-3.51	54	40.19	31.3	6.36	27.36	127	85	A	H
		5149.5	60.76	-13.24	74	49.99	31.9	6.28	27.41	101	115	P	V
		5149.76	51.07	-2.93	54	40.3	31.9	6.28	27.41	101	115	A	V
	*	5240	117.66	-	-	107.36	31.38	6.31	27.39	101	115	P	V
	*	5240	109.44	-	-	99.14	31.38	6.31	27.39	101	115	A	V
		5353.04	58.43	-15.57	74	48.11	31.31	6.37	27.36	101	115	P	V
		5350	49.99	-4.01	54	39.69	31.3	6.36	27.36	101	115	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)
802.11ax HE20 Full CH 36 5180MHz		10360	49.52	-18.68	68.2	56.04	39.84	10.15	56.51	100	0	P	H
		15540	48.72	-25.28	74	53.93	38.6	12.03	55.84	100	0	P	H
													H
													H
		10360	49.2	-19	68.2	55.72	39.84	10.15	56.51	100	0	P	V
		15540	48.21	-25.79	74	53.42	38.6	12.03	55.84	100	0	P	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		10440	60.5	-7.7	68.2	66.81	39.96	10.19	56.46	100	265	P	H
		15660	54.28	-19.72	74	59.72	38.3	12.04	55.78	100	124	P	H
		15660	46.27	-7.73	54	51.71	38.3	12.04	55.78	100	124	A	H
													H
		10440	58.96	-9.24	68.2	65.27	39.96	10.19	56.46	100	265	P	V
		15660	54.45	-19.55	74	59.89	38.3	12.04	55.78	100	321	P	V
		15660	47.2	-6.8	54	52.64	38.3	12.04	55.78	100	321	A	V
													V
802.11ax HE20 Full CH 48 5240MHz		10480	53.4	-14.8	68.2	59.7	39.92	10.21	56.43	100	0	P	H
		15720	57.35	-16.65	74	62.83	38.22	12.05	55.75	100	121	P	H
		15720	49.25	-4.75	54	54.73	38.22	12.05	55.75	100	121	A	H
													H
		10480	53.77	-14.43	68.2	60.07	39.92	10.21	56.43	100	0	P	V
		15720	60.63	-13.37	74	66.11	38.22	12.05	55.75	100	325	P	V
		15720	50.34	-3.66	54	55.82	38.22	12.05	55.75	100	325	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax 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 38 5190MHz		5124.54	62.69	-11.31	74	51.89	31.95	6.27	27.42	100	91	P	H
		5150	50.22	-3.78	54	39.45	31.9	6.28	27.41	100	91	A	H
	*	5190	105.73	-	-	95.1	31.74	6.29	27.4	100	91	P	H
	*	5190	96.89	-	-	86.26	31.74	6.29	27.4	100	91	A	H
		5368.72	52.8	-21.2	74	42.41	31.37	6.37	27.35	100	91	P	H
		5369	44.27	-9.73	54	33.87	31.38	6.37	27.35	100	91	A	H
		5146.9	67.93	-6.07	74	57.15	31.91	6.28	27.41	100	115	P	V
		5149.24	51.11	-2.89	54	40.34	31.9	6.28	27.41	100	115	A	V
	*	5190	107.55	-	-	96.92	31.74	6.29	27.4	100	115	P	V
	*	5190	97.78	-	-	87.15	31.74	6.29	27.4	100	115	A	V
		5389.44	52.57	-21.43	74	42.08	31.46	6.38	27.35	100	115	P	V
		5369	45.51	-8.49	54	35.11	31.38	6.37	27.35	100	115	A	V
802.11ax HE40 Full CH 46 5230MHz		5128.18	58.67	-15.33	74	47.88	31.94	6.27	27.42	100	96	P	H
		5150	51.08	-2.92	54	40.31	31.9	6.28	27.41	100	96	A	H
	*	5230	112.88	-	-	102.51	31.46	6.3	27.39	100	96	P	H
	*	5230	101.07	-	-	90.7	31.46	6.3	27.39	100	96	A	H
		5350.24	56.56	-17.44	74	46.25	31.3	6.37	27.36	100	96	P	H
		5354.72	48.08	-5.92	54	37.75	31.32	6.37	27.36	100	96	A	H
		5138.32	65.33	-8.67	74	54.55	31.92	6.27	27.41	100	114	P	V
		5150	51.5	-2.5	54	40.73	31.9	6.28	27.41	100	114	A	V
	*	5230	111.2	-	-	100.83	31.46	6.3	27.39	100	114	P	V
	*	5230	101.81	-	-	91.44	31.46	6.3	27.39	100	114	A	V
		5397	57.54	-16.46	74	47.01	31.49	6.39	27.35	100	114	P	V
		5350.52	50.31	-3.69	54	40	31.3	6.37	27.36	100	114	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)
802.11ax HE40 Full CH 38 5190MHz		10380	46.54	-21.66	68.2	52.95	39.92	10.16	56.49	100	0	P	H
		15570	44.13	-29.87	74	49.48	38.45	12.03	55.83	100	0	P	H
													H
													H
		10380	47.59	-20.61	68.2	54	39.92	10.16	56.49	100	0	P	V
		15570	45.21	-28.79	74	50.56	38.45	12.03	55.83	100	0	P	V
													V
													V
802.11ax HE40 Full CH 46 5230MHz		10460	48.69	-19.51	68.2	54.99	39.94	10.2	56.44	100	0	P	H
		15690	44.31	-29.69	74	49.73	38.3	12.04	55.76	100	0	P	H
													H
													H
		10460	51.5	-16.7	68.2	57.8	39.94	10.2	56.44	100	0	P	V
		15690	44.14	-29.86	74	49.56	38.3	12.04	55.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 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 HE80 Full CH 42 5210MHz		5148.72	67.86	-6.14	74	57.09	31.9	6.28	27.41	205	66	P	H
		5144.82	49.75	-4.25	54	38.97	31.91	6.28	27.41	205	66	A	H
	*	5210	103.15	-	-	92.63	31.62	6.3	27.4	205	66	P	H
	*	5210	94.18	-	-	83.66	31.62	6.3	27.4	205	66	A	H
		5425.28	54.7	-19.3	74	44.04	31.6	6.4	27.34	205	66	P	H
		5390.28	46.13	-7.87	54	35.63	31.46	6.39	27.35	205	66	A	H
		5145.08	66.95	-7.05	74	56.17	31.91	6.28	27.41	218	99	P	V
		5150	52.11	-1.89	54	41.34	31.9	6.28	27.41	218	99	A	V
	*	5210	104.4	-	-	93.88	31.62	6.3	27.4	218	99	P	V
	*	5210	95.95	-	-	85.43	31.62	6.3	27.4	218	99	A	V
		5403.72	56.32	-17.68	74	45.77	31.51	6.39	27.35	218	99	P	V
		5371.24	46.68	-7.32	54	36.27	31.38	6.38	27.35	218	99	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 HE80 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)
802.11ax HE80 Full CH 42 5210MHz		10420	48.28	-19.92	68.2	54.59	39.98	10.18	56.47	100	0	P	H
		15630	45.66	-28.34	74	51.13	38.3	12.03	55.8	100	0	P	H
													H
													H
		10420	46.32	-21.88	68.2	52.63	39.98	10.18	56.47	100	0	P	V
		15630	44.82	-29.18	74	50.29	38.3	12.03	55.8	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)
802.11ax HE20 Full CH 52 5260MHz		5147.56	62.98	-11.02	74	52.21	31.9	6.28	27.41	143	75	P	H
		5148.92	50.43	-3.57	54	39.66	31.9	6.28	27.41	143	75	A	H
	*	5260	118.48	-	-	108.24	31.3	6.32	27.38	143	75	P	H
	*	5260	109.37	-	-	99.13	31.3	6.32	27.38	143	75	A	H
		5351.76	59.19	-14.81	74	48.87	31.31	6.37	27.36	143	75	P	H
		5350.32	50.56	-3.44	54	40.25	31.3	6.37	27.36	143	75	A	H
		5126.82	59.48	-14.52	74	48.68	31.95	6.27	27.42	100	114	P	V
		5147.9	49.91	-4.09	54	39.14	31.9	6.28	27.41	100	114	A	V
	*	5260	119.37	-	-	109.13	31.3	6.32	27.38	100	114	P	V
	*	5260	110.42	-	-	100.18	31.3	6.32	27.38	100	114	A	V
		5357.52	61.29	-12.71	74	50.95	31.33	6.37	27.36	100	114	P	V
		5350.08	52.69	-1.31	54	42.38	31.3	6.37	27.36	100	114	A	V
802.11ax HE20 Full CH 60 5300MHz		5139.06	54.96	-19.04	74	44.18	31.92	6.27	27.41	101	90	P	H
		5148.92	46.45	-7.55	54	35.68	31.9	6.28	27.41	101	90	A	H
	*	5300	117.39	-	-	107.12	31.3	6.34	27.37	101	90	P	H
	*	5300	108	-	-	97.73	31.3	6.34	27.37	101	90	A	H
		5352.24	59.56	-14.44	74	49.24	31.31	6.37	27.36	101	90	P	H
		5350.08	51.53	-2.47	54	41.22	31.3	6.37	27.36	101	90	A	H
		5137.02	54.87	-19.13	74	44.08	31.93	6.27	27.41	100	115	P	V
		5148.92	46.45	-7.55	54	35.68	31.9	6.28	27.41	100	115	A	V
	*	5300	116.98	-	-	106.71	31.3	6.34	27.37	100	115	P	V
	*	5300	107.83	-	-	97.56	31.3	6.34	27.37	100	115	A	V
		5357.28	61.7	-12.3	74	51.36	31.33	6.37	27.36	100	115	P	V
		5350.32	52.52	-1.48	54	42.21	31.3	6.37	27.36	100	115	A	V

	*	5320	113.28	-	-	103	31.3	6.35	27.37	100	91	P	H
	*	5320	104.61	-	-	94.33	31.3	6.35	27.37	100	91	A	H
		5358.4	60.9	-13.1	74	50.56	31.33	6.37	27.36	100	91	P	H
		5350.08	51.12	-2.88	54	40.81	31.3	6.37	27.36	100	91	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	113.38	-	-	103.1	31.3	6.35	27.37	100	116	P	V
5320MHz	*	5320	104.62	-	-	94.34	31.3	6.35	27.37	100	116	A	V
		5354.08	58.44	-15.56	74	48.11	31.32	6.37	27.36	100	116	P	V
		5350.24	51.91	-2.09	54	41.6	31.3	6.37	27.36	100	116	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)
802.11ax HE20 Full CH 52 5260MHz		10520	53.41	-14.79	68.2	59.63	39.96	10.23	56.41	100	0	P	H
		15780	55.84	-18.16	74	61.53	37.98	12.05	55.72	100	120	P	H
		15780	45.93	-8.07	54	51.62	37.98	12.05	55.72	100	120	A	H
													H
		10520	55.41	-12.79	68.2	61.63	39.96	10.23	56.41	100	0	P	V
		15780	58.98	-15.02	74	64.67	37.98	12.05	55.72	100	321	P	V
		15780	50	-4	54	55.69	37.98	12.05	55.72	100	321	A	V
													V
802.11ax HE20 Full CH 60 5300MHz		10600	55.52	-18.48	74	61.41	40.2	10.27	56.36	100	258	P	H
		10600	46.28	-7.72	54	52.17	40.2	10.27	56.36	100	258	A	H
		15900	52.59	-21.41	74	58.38	37.8	12.07	55.66	100	120	P	H
		15900	42.21	-11.79	54	48	37.8	12.07	55.66	100	120	A	H
		10600	56.35	-17.65	74	62.24	40.2	10.27	56.36	100	123	P	V
		10600	46.81	-7.19	54	52.7	40.2	10.27	56.36	100	123	A	V
		15900	54.88	-19.12	74	60.67	37.8	12.07	55.66	100	320	P	V
		15900	45.24	-8.76	54	51.03	37.8	12.07	55.66	100	320	A	V
802.11ax HE20 Full CH 64 5320MHz		10640	48.8	-25.2	74	54.65	40.2	10.29	56.34	100	0	P	H
		15960	42.93	-31.07	74	48.69	37.8	12.07	55.63	100	0	P	H
													H
													H
		10640	48.98	-25.02	74	54.83	40.2	10.29	56.34	100	0	P	V
		15960	43.44	-30.56	74	49.2	37.8	12.07	55.63	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)
802.11ax HE40 Full CH 54 5270MHz		5124.44	56.61	-17.39	74	45.81	31.95	6.27	27.42	100	93	P	H
		5126.48	48.21	-5.79	54	37.41	31.95	6.27	27.42	100	93	A	H
	*	5270	109.74	-	-	99.5	31.3	6.32	27.38	100	93	P	H
	*	5270	99.66	-	-	89.42	31.3	6.32	27.38	100	93	A	H
		5355.36	56.75	-17.25	74	46.42	31.32	6.37	27.36	100	93	P	H
		5350.08	48	-6	54	37.69	31.3	6.37	27.36	100	93	A	H
													V
		5147.9	56.57	-17.43	74	45.8	31.9	6.28	27.41	100	112	P	V
		5143.82	48.05	-5.95	54	37.27	31.91	6.28	27.41	100	112	A	V
	*	5270	110.09	-	-	99.85	31.3	6.32	27.38	100	112	P	V
	*	5270	101.3	-	-	91.06	31.3	6.32	27.38	100	112	A	V
		5370	58.59	-15.41	74	48.18	31.38	6.38	27.35	100	112	P	V
802.11ax HE40 Full CH 62 5310MHz		5108.8	54.25	-19.75	74	43.42	31.98	6.27	27.42	100	91	P	H
		5136.34	46.05	-7.95	54	35.26	31.93	6.27	27.41	100	91	A	H
	*	5310	105.54	-	-	95.27	31.3	6.34	27.37	100	91	P	H
	*	5310	96.68	-	-	86.41	31.3	6.34	27.37	100	91	A	H
		5352.72	60.05	-13.95	74	49.73	31.31	6.37	27.36	100	91	P	H
		5350.08	50.15	-3.85	54	39.84	31.3	6.37	27.36	100	91	A	H
		5124.78	54.57	-19.43	74	43.77	31.95	6.27	27.42	100	114	P	V
		5126.82	45.83	-8.17	54	35.03	31.95	6.27	27.42	100	114	A	V
	*	5310	107.92	-	-	97.65	31.3	6.34	27.37	100	114	P	V
	*	5310	98.22	-	-	87.95	31.3	6.34	27.37	100	114	A	V
		5352.72	66.37	-7.63	74	56.05	31.31	6.37	27.36	100	114	P	V
		5350.32	51.92	-2.08	54	41.61	31.3	6.37	27.36	100	114	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)
802.11ax HE40 Full CH 54 5270MHz		10540	47.5	-20.7	68.2	53.64	40.02	10.24	56.4	100	0	P	H
		15810	42.74	-31.26	74	48.5	37.89	12.06	55.71	100	0	P	H
													H
													H
		10540	47.78	-20.42	68.2	53.92	40.02	10.24	56.4	100	0	P	V
		15810	43.92	-30.08	74	49.68	37.89	12.06	55.71	100	0	P	V
													V
													V
802.11ax HE40 Full CH 62 5310MHz		10620	47.21	-26.79	74	53.08	40.2	10.28	56.35	100	0	P	H
		15930	44.22	-29.78	74	50	37.8	12.07	55.65	100	0	P	H
													H
													H
		10620	47.74	-26.26	74	53.61	40.2	10.28	56.35	100	0	P	V
		15930	44.76	-29.24	74	50.54	37.8	12.07	55.65	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 HE80 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 HE80 Full CH 58 5290MHz		5096.22	55.75	-18.25	74	44.93	31.98	6.26	27.42	219	14	P	H
		5127.5	47.93	-6.07	54	37.14	31.94	6.27	27.42	219	14	A	H
	*	5290	105.39	-	-	95.12	31.3	6.34	27.37	219	14	P	H
	*	5290	97.23	-	-	86.96	31.3	6.34	27.37	219	14	A	H
		5356.32	66.36	-7.64	74	56.02	31.33	6.37	27.36	219	14	P	H
		5353.92	52.11	-1.89	54	41.78	31.32	6.37	27.36	219	14	A	H
		5148.24	57.8	-16.2	74	47.03	31.9	6.28	27.41	249	96	P	V
		5088.06	48.42	-5.58	54	37.66	31.93	6.26	27.43	249	96	A	V
	*	5290	107.68	-	-	97.41	31.3	6.34	27.37	249	96	P	V
	*	5290	97.97	-	-	87.7	31.3	6.34	27.37	249	96	A	V
		5355.12	56.8	-17.2	74	46.47	31.32	6.37	27.36	249	96	P	V
		5350.56	52.31	-1.69	54	42	31.3	6.37	27.36	249	96	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 HE80 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)
802.11ax HE80 Full CH 58 5290MHz		10580	46.51	-21.69	68.2	52.48	40.14	10.26	56.37	100	0	P	H
		15870	43.63	-30.37	74	49.4	37.83	12.07	55.67	100	0	P	H
													H
													H
		10580	47.93	-20.27	68.2	53.9	40.14	10.26	56.37	100	0	P	V
		15870	44.15	-29.85	74	49.92	37.83	12.07	55.67	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)
802.11ax HE20 Full CH 100 5500MHz		5458.16	63.16	-10.84	74	52.36	31.72	6.41	27.33	100	89	P	H
		5461.04	66.48	-1.72	68.2	55.68	31.72	6.41	27.33	100	89	P	H
		5460	49.11	-4.89	54	38.31	31.72	6.41	27.33	100	89	A	H
	*	5500	111.5	-	-	100.6	31.8	6.42	27.32	100	89	P	H
	*	5500	103.94	-	-	93.04	31.8	6.42	27.32	100	89	A	H
		5452.56	62.79	-11.21	74	52	31.71	6.41	27.33	100	102	P	V
		5469.84	66.47	-1.73	68.2	55.65	31.74	6.41	27.33	100	102	P	V
		5459.92	49.44	-4.56	54	38.64	31.72	6.41	27.33	100	102	A	V
	*	5500	113.44	-	-	102.54	31.8	6.42	27.32	100	102	P	V
	*	5500	103	-	-	92.1	31.8	6.42	27.32	100	102	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5454.16	58.33	-15.67	74	47.54	31.71	6.41	27.33	105	107	P	H
		5466.88	59.81	-8.39	68.2	49	31.73	6.41	27.33	105	107	P	H
		5459.68	48.84	-5.16	54	38.04	31.72	6.41	27.33	105	107	A	H
	*	5580	117.29	-	-	106.41	31.82	6.44	27.38	105	107	P	H
	*	5580	110.01	-	-	99.13	31.82	6.44	27.38	105	107	A	H
		5731.61	57.05	-11.15	68.2	46.07	32.06	6.41	27.49	105	1007	P	H
		5454.64	55.65	-18.35	74	44.86	31.71	6.41	27.33	328	149	P	V
		5469.28	56.12	-12.08	68.2	45.3	31.74	6.41	27.33	328	149	P	V
		5459	47.05	-6.95	54	36.25	31.72	6.41	27.33	328	149	A	V
	*	5580	115.98	-	-	105.1	31.82	6.44	27.38	328	149	P	V
	*	5580	107.83	-	-	96.95	31.82	6.44	27.38	328	149	A	V
		5725.31	56.48	-11.72	68.2	45.5	32.05	6.41	27.48	328	149	P	V

802.11ax HE20 Full CH 140 5700MHz	*	5700	111.94	-	-	100.98	32	6.42	27.46	100	89	P	H
	*	5700	105.03	-	-	94.07	32	6.42	27.46	100	89	A	H
		5727.8	66.71	-1.49	68.2	55.72	32.06	6.41	27.48	100	89	P	H
													H
													H
													H
	*	5700	111.99	-	-	101.03	32	6.42	27.46	100	111	P	V
	*	5700	105.08	-	-	94.12	32	6.42	27.46	100	111	A	V
		5726.44	65.72	-2.48	68.2	54.74	32.05	6.41	27.48	100	111	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)
802.11ax HE20 Full CH 100 5500MHz		11000	48.59	-25.41	74	53.85	40.4	10.47	56.13	100	0	P	H
		16500	52.13	-16.07	68.2	55.88	39.4	12.26	55.41	100	0	P	H
													H
													H
		11000	49.17	-24.83	74	54.43	40.4	10.47	56.13	100	0	P	V
		16500	57.67	-10.53	68.2	61.42	39.4	12.26	55.41	100	0	P	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		11160	56.85	-17.15	74	62.45	39.88	10.54	56.02	101	340	P	H
		11160	47.69	-6.31	54	53.29	39.88	10.54	56.02	101	340	A	H
		16740	54.78	-13.42	68.2	57.96	40.08	12.35	55.61	100	0	P	H
													H
		11160	55.59	-18.41	74	61.19	39.88	10.54	56.02	100	356	P	V
		11160	45.54	-8.46	54	51.14	39.88	10.54	56.02	100	356	A	V
		16740	65.14	-3.06	68.2	68.32	40.08	12.35	55.61	100	120	P	V
													V
802.11ax HE20 Full CH 140 5700MHz		11400	49.8	-24.2	74	55.22	39.8	10.64	55.86	100	0	P	H
		17100	55.89	-12.31	68.2	59.6	39.8	12.52	56.03	100	0	P	H
													H
													H
		11400	48.96	-25.04	74	54.38	39.8	10.64	55.86	100	0	P	V
		17100	59.45	-8.75	68.2	63.16	39.8	12.52	56.03	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)
802.11ax HE40 Full CH 102 5510MHz		5451.04	57.14	-16.86	74	46.36	31.7	6.41	27.33	100	14	P	H
		5468.56	60.23	-7.97	68.2	49.41	31.74	6.41	27.33	100	14	P	H
		5458.96	49.6	-4.4	54	38.8	31.72	6.41	27.33	100	14	A	H
	*	5510	106.36	-	-	95.49	31.78	6.42	27.33	100	14	P	H
	*	5510	97.89	-	-	87.02	31.78	6.42	27.33	100	14	A	H
		5749.25	52.84	-15.36	68.2	41.83	32.1	6.41	27.5	100	14	P	H
		5459.2	57.1	-16.9	74	46.3	31.72	6.41	27.33	100	344	P	V
		5464.72	58.1	-10.1	68.2	47.29	31.73	6.41	27.33	100	344	P	V
		5459.2	47.21	-6.79	54	36.41	31.72	6.41	27.33	100	344	A	V
	*	5510	105.58	-	-	94.71	31.78	6.42	27.33	100	344	P	V
	*	5510	95.76	-	-	84.89	31.78	6.42	27.33	100	344	A	V
		5764.37	51.93	-16.27	68.2	40.94	32.1	6.4	27.51	100	344	P	V
802.11ax HE40 Full CH 110 5550MHz		5457.28	61.37	-12.63	74	50.58	31.71	6.41	27.33	100	75	P	H
		5468.8	64.72	-3.48	68.2	53.9	31.74	6.41	27.33	100	75	P	H
		5449.6	49.74	-4.26	54	38.97	31.7	6.4	27.33	100	75	A	H
	*	5550	110.08	-	-	99.31	31.7	6.43	27.36	100	75	P	H
	*	5550	101.88	-	-	91.11	31.7	6.43	27.36	100	75	A	H
		5725	56.01	-12.19	68.2	45.03	32.05	6.41	27.48	100	75	P	H
		5458.72	57.6	-16.4	74	46.8	31.72	6.41	27.33	100	15	P	V
		5465.2	61.77	-6.43	68.2	50.96	31.73	6.41	27.33	100	15	P	V
		5459.92	46.86	-7.14	54	36.06	31.72	6.41	27.33	100	15	A	V
	*	5550	108.08	-	-	97.31	31.7	6.43	27.36	100	15	P	V
	*	5550	100.58	-	-	89.81	31.7	6.43	27.36	100	15	A	V
		5746.73	53.57	-14.63	68.2	42.57	32.09	6.41	27.5	100	15	P	V

802.11ax HE40 Full CH 134 5670MHz		5445.55	52.6	-21.4	74	41.85	31.68	6.4	27.33	210	72	P	H
		5469	53.08	-15.12	68.2	42.26	31.74	6.41	27.33	210	72	P	H
		5459.2	45.21	-8.79	54	34.41	31.72	6.41	27.33	210	72	A	H
	*	5670	110.14	-	-	99.27	31.88	6.43	27.44	210	72	P	H
	*	5670	100.14	-	-	89.27	31.88	6.43	27.44	210	72	A	H
		5725	63.84	-4.36	68.2	52.86	32.05	6.41	27.48	210	72	P	H
		5455.7	52.68	-21.32	74	41.89	31.71	6.41	27.33	254	92	P	V
		5462	54.52	-13.68	68.2	43.72	31.72	6.41	27.33	254	92	P	V
		5459.9	45.93	-8.07	54	35.13	31.72	6.41	27.33	254	92	A	V
	*	5670	111.11	-	-	100.24	31.88	6.43	27.44	254	92	P	V
	*	5670	101.78	-	-	90.91	31.88	6.43	27.44	254	92	A	V
		5725	63.85	-4.35	68.2	52.87	32.05	6.41	27.48	254	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)
802.11ax HE40 Full CH 102 5510MHz		11020	48.27	-25.73	74	53.59	40.32	10.48	56.12	100	0	P	H
		16530	50.81	-17.39	68.2	54.58	39.4	12.27	55.44	100	0	P	H
													H
													H
		11020	47.02	-26.98	74	52.34	40.32	10.48	56.12	100	0	P	V
		16530	52.02	-16.18	68.2	55.79	39.4	12.27	55.44	100	0	P	V
													V
													V
802.11ax HE40 Full CH 110 5550MHz		11100	46.5	-27.5	74	52.05	40	10.51	56.06	100	0	P	H
		16650	49.01	-19.19	68.2	52.54	39.7	12.31	55.54	100	0	P	H
													H
													H
		11100	47.6	-26.4	74	53.15	40	10.51	56.06	100	0	P	V
		16650	53.14	-15.06	68.2	56.67	39.7	12.31	55.54	100	0	P	V
													V
													V
802.11ax HE40 Full CH 134 5670MHz		11340	46.93	-27.07	74	52.48	39.74	10.61	55.9	100	0	P	H
		17010	49.3	-18.9	68.2	52.54	40.16	12.45	55.85	100	0	P	H
													H
													H
		11340	46.53	-27.47	74	52.08	39.74	10.61	55.9	100	0	P	V
		17010	52.35	-15.85	68.2	55.59	40.16	12.45	55.85	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 HE80 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 HE80 Full CH 106 5530MHz		5452.96	58.66	-15.34	74	47.87	31.71	6.41	27.33	233	68	P	H
		5468.08	64.8	-3.4	68.2	53.98	31.74	6.41	27.33	233	68	P	H
		5458	52.2	-1.8	54	41.4	31.72	6.41	27.33	233	68	A	H
	*	5530	106.77	-	-	95.94	31.74	6.43	27.34	233	68	P	H
	*	5530	94.99	-	-	84.16	31.74	6.43	27.34	233	68	A	H
		5731.925	54.15	-14.05	68.2	43.17	32.06	6.41	27.49	233	68	P	H
		5453.2	63.24	-10.76	74	52.45	31.71	6.41	27.33	245	93	P	V
		5469.76	64.47	-3.73	68.2	53.65	31.74	6.41	27.33	245	93	P	V
		5458.24	52.91	-1.09	54	42.11	31.72	6.41	27.33	245	93	A	V
	*	5530	106.13	-	-	95.3	31.74	6.43	27.34	245	93	P	V
	*	5530	97.72	-	-	86.89	31.74	6.43	27.34	245	93	A	V
		5729.72	53.89	-14.31	68.2	42.91	32.06	6.41	27.49	245	93	P	V
802.11ax HE80 Full CH 122 5610MHz		5459.9	61.58	-12.42	74	50.78	31.72	6.41	27.33	221	66	P	H
		5469	61.23	-6.97	68.2	50.41	31.74	6.41	27.33	221	66	P	H
		5454.65	52.29	-1.71	54	41.5	31.71	6.41	27.33	221	66	A	H
	*	5610	108.63	-	-	97.7	31.88	6.45	27.4	221	66	P	H
	*	5610	100.49	-	-	89.56	31.88	6.45	27.4	221	66	A	H
		5725	62.23	-5.97	68.2	51.25	32.05	6.41	27.48	221	66	P	H
		5454.3	60.14	-13.86	74	49.35	31.71	6.41	27.33	271	95	P	V
		5468.3	60.79	-7.41	68.2	49.97	31.74	6.41	27.33	271	95	P	V
		5454.65	52.4	-1.6	54	41.61	31.71	6.41	27.33	271	95	A	V
	*	5610	108.68	-	-	97.75	31.88	6.45	27.4	271	95	P	V
	*	5610	100.48	-	-	89.55	31.88	6.45	27.4	271	95	A	V
		5738.54	58.02	-10.18	68.2	47.02	32.08	6.41	27.49	271	95	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 HE80 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)
802.11ax HE80 Full CH 106 5530MHz		11060	47.07	-26.93	74	52.5	40.16	10.5	56.09	100	0	P	H
		16590	46.06	-22.14	68.2	49.86	39.4	12.29	55.49	100	0	P	H
													H
													H
		11060	46.95	-27.05	74	52.38	40.16	10.5	56.09	100	0	P	V
		16590	46.05	-22.15	68.2	49.85	39.4	12.29	55.49	100	0	P	V
													V
													V
802.11ax HE80 Full CH 122 5610MHz		11220	47.15	-26.85	74	52.79	39.78	10.56	55.98	100	0	P	H
		16830	46.93	-21.27	68.2	50.07	40.17	12.38	55.69	100	0	P	H
													H
													H
		11220	46.96	-27.04	74	52.6	39.78	10.56	55.98	100	0	P	V
		16830	47.46	-20.74	68.2	50.6	40.17	12.38	55.69	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 - 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		5441.65	53.31	-20.69	74	42.58	31.67	6.4	27.34	127	105	P	H
		5460.37	52.62	-15.58	68.2	41.82	31.72	6.41	27.33	127	105	P	H
		5459.2	43.92	-10.08	54	33.12	31.72	6.41	27.33	127	105	A	H
	*	5720	116.58	-	-	105.61	32.04	6.41	27.48	127	105	P	H
	*	5720	109.3	-	-	98.33	32.04	6.41	27.48	127	105	A	H
		5867.25	56.81	-11.39	68.2	45.57	32.37	6.45	27.58	127	105	P	H
		5432.68	52.43	-21.57	74	41.74	31.63	6.4	27.34	388	93	P	V
		5461.54	52.41	-15.79	68.2	41.61	31.72	6.41	27.33	388	93	P	V
		5452.96	43.19	-10.81	54	32.4	31.71	6.41	27.33	388	93	A	V
	*	5720	117.78	-	-	106.81	32.04	6.41	27.48	388	93	P	V
	*	5720	108.84	-	-	97.87	32.04	6.41	27.48	388	93	A	V
		5870.5	57.13	-11.07	68.2	45.89	32.38	6.45	27.59	388	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 802.11ax 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)
802.11ax HE20 Full CH 144 5720MHz		11440	49.41	-24.59	74	54.67	39.92	10.65	55.83	100	0	P	H
		17160	55.98	-12.22	68.2	59.72	39.86	12.56	56.16	100	0	P	H
													H
													H
		11440	54.12	-19.88	74	59.38	39.92	10.65	55.83	100	347	P	V
		11440	43.58	-10.42	54	48.84	39.92	10.65	55.83	100	347	A	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		5458.03	58.82	-15.18	74	48.02	31.72	6.41	27.33	100	117	P	H
		5466.22	58.64	-9.56	68.2	47.83	31.73	6.41	27.33	100	117	P	H
		5459.59	49.66	-4.34	54	38.86	31.72	6.41	27.33	100	117	A	H
	*	5710	114.3	-	-	103.33	32.02	6.42	27.47	100	117	P	H
	*	5710	105.21	-	-	94.24	32.02	6.42	27.47	100	117	A	H
		5865.25	61.77	-6.43	68.2	50.54	32.36	6.45	27.58	100	117	P	H
		5459.59	57.68	-16.32	74	46.88	31.72	6.41	27.33	100	118	P	V
		5463.1	57.95	-10.25	68.2	47.14	31.73	6.41	27.33	100	118	P	V
		5458.81	48.3	-5.7	54	37.5	31.72	6.41	27.33	100	118	A	V
	*	5710	114.49	-	-	103.52	32.02	6.42	27.47	100	118	P	V
	*	5710	104.92	-	-	93.95	32.02	6.42	27.47	100	118	A	V
		5857	62.62	-5.58	68.2	51.43	32.33	6.44	27.58	100	118	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)
802.11ax HE40 Full CH 142 5710MHz		11420	53.5	-20.5	74	58.83	39.86	10.65	55.84	100	77	P	H
		11420	43.17	-10.83	54	48.5	39.86	10.65	55.84	100	77	A	H
		17130	57.04	-11.16	68.2	60.78	39.83	12.53	56.1	100	0	P	H
													H
		11420	49.19	-24.81	74	54.52	39.86	10.65	55.84	100	0	P	V
		17130	64.78	-3.42	68.2	68.52	39.83	12.53	56.1	100	30	P	V
		11420	49.19	-24.81	74	54.52	39.86	10.65	55.84	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 Straddle Channel

WIFI 802.11ax HE80 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 HE80 Full CH 138 5690MHz		5455.3	60.94	-13.06	74	50.15	31.71	6.41	27.33	100	116	P	H
		5462.32	59.5	-8.7	68.2	48.7	31.72	6.41	27.33	100	116	P	H
		5457.25	52.54	-1.46	54	41.75	31.71	6.41	27.33	100	116	A	H
	*	5690	106.33	-	-	95.41	31.96	6.42	27.46	100	116	P	H
	*	5690	99.83	-	-	88.91	31.96	6.42	27.46	100	116	A	H
		5859.7	56.45	-11.75	68.2	45.25	32.34	6.44	27.58	100	116	P	H
		5457.64	60.83	-13.17	74	50.03	31.72	6.41	27.33	100	115	P	V
		5466.61	60.23	-7.97	68.2	49.42	31.73	6.41	27.33	100	115	P	V
		5454.52	52.89	-1.11	54	42.1	31.71	6.41	27.33	100	115	A	V
	*	5690	108.13	-	-	97.21	31.96	6.42	27.46	100	115	P	V
	*	5690	101.9	-	-	90.98	31.96	6.42	27.46	100	115	A	V
		5853.4	59.52	-8.68	68.2	48.34	32.31	6.44	27.57	100	115	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 HE80 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)
802.11ax HE80 Full CH 138 5690MHz		11380	46.87	-27.13	74	52.33	39.78	10.63	55.87	100	0	P	H
		17070	49.08	-19.12	68.2	52.64	39.92	12.49	55.97	100	0	P	H
													H
													H
		11380	47.04	-26.96	74	52.5	39.78	10.63	55.87	100	0	P	V
		17070	53.26	-14.94	68.2	56.82	39.92	12.49	55.97	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 HE80 Full (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full LF		125.06	31.23	-12.27	43.5	44.9	17.52	1.05	32.24	100	0	P	H
		240.49	24.93	-21.07	46	38.51	17.1	1.42	32.1	-	-	P	H
		268.62	27.38	-18.62	46	38.63	19.24	1.5	31.99	-	-	P	H
		481.05	30.29	-15.71	46	36.66	23.56	1.94	31.87	-	-	P	H
		798.24	31.02	-14.98	46	32.03	27.77	2.55	31.33	-	-	P	H
		947.62	32.33	-13.67	46	30.21	30.12	2.8	30.8	-	-	P	H
													H
													H
													H
													H
													H
													H
		34.85	30.07	-9.93	40	39.64	22.11	0.56	32.24	100	0	P	V
		128.94	23.83	-19.67	43.5	37.48	17.53	1.06	32.24	-	-	P	V
		184.23	22.85	-20.65	43.5	39.03	14.8	1.28	32.26	-	-	P	V
		481.05	28.73	-17.27	46	35.1	23.56	1.94	31.87	-	-	P	V
		767.2	31.1	-14.9	46	32.44	27.74	2.49	31.57	-	-	P	V
		955.38	32.65	-13.35	46	30.04	30.56	2.81	30.76	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission

Test Engineer :	Daniel Lee, Jacky Hong and Wilson Wu	**Temperature :**	20~25℃
		Relative Humidity :	50~60%

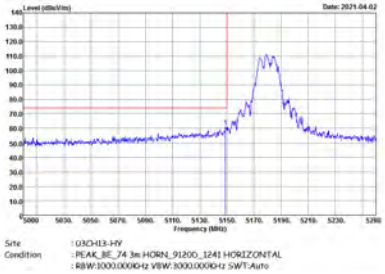
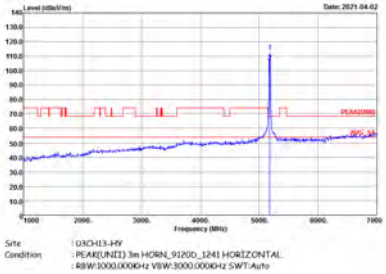
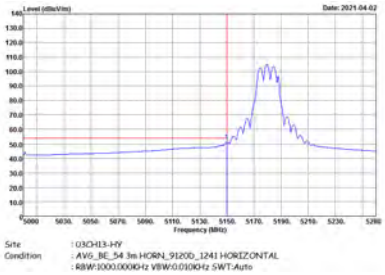
Note symbol

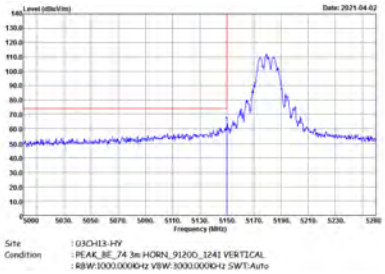
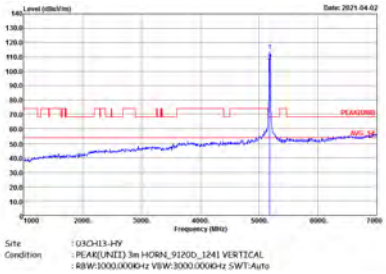
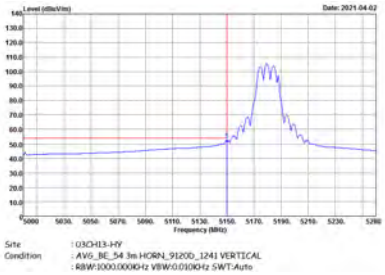
-L	**Low channel location**
-R	**High channel location**

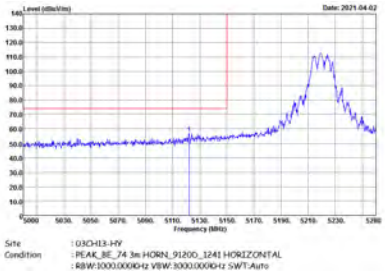
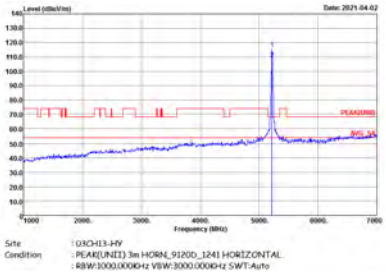
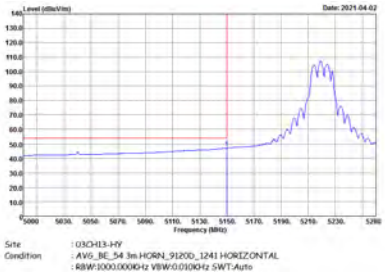
<CDD Mode>

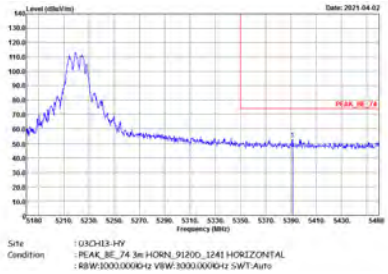
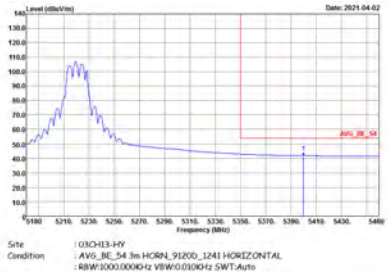
Band 1 - 5150~5250MHz

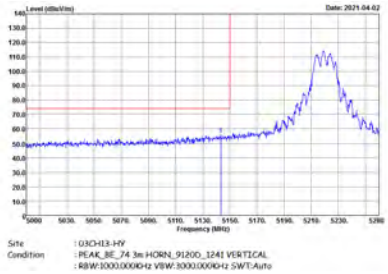
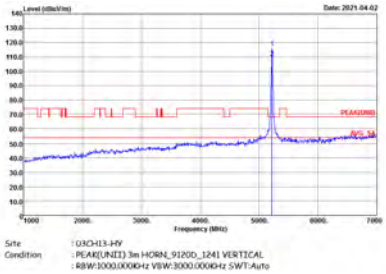
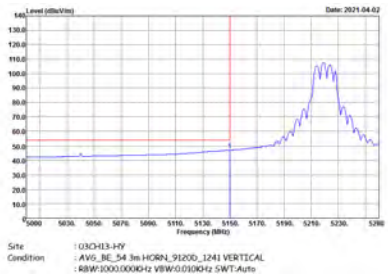
WIFI 802.11a (Band Edge @ 3m)

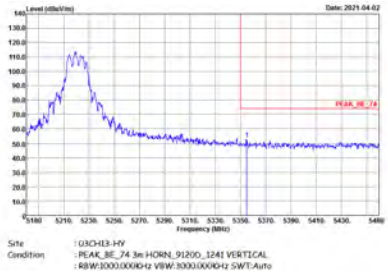
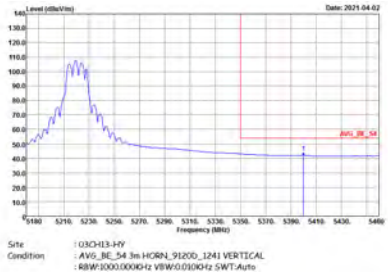
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

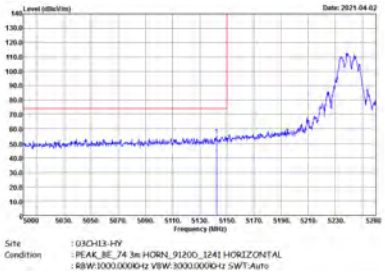
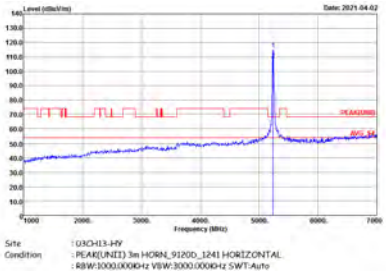
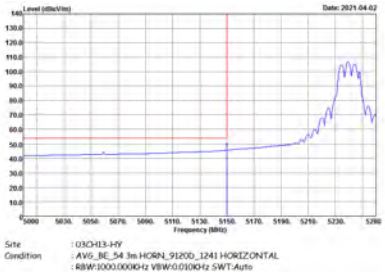
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

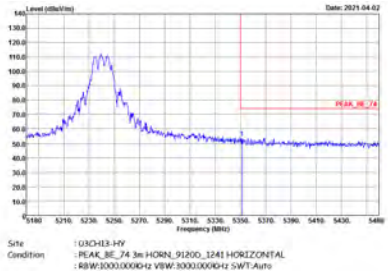
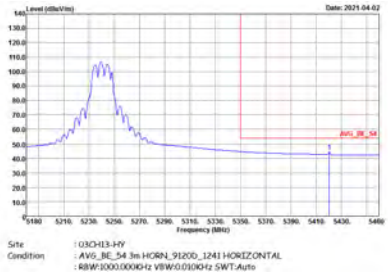
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

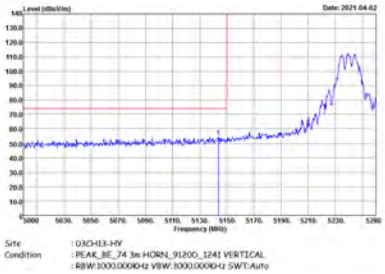
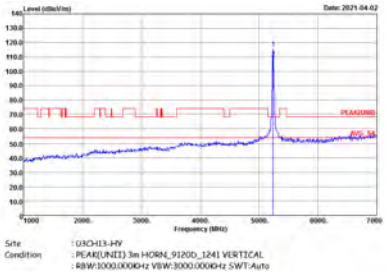
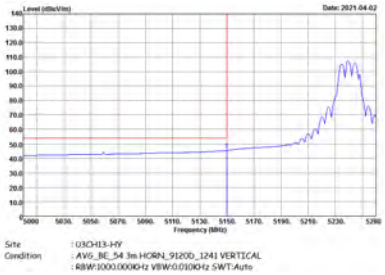
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

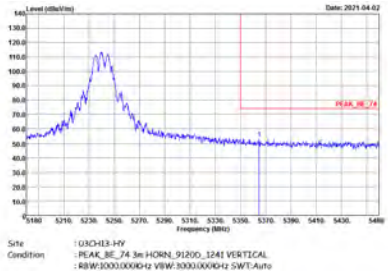
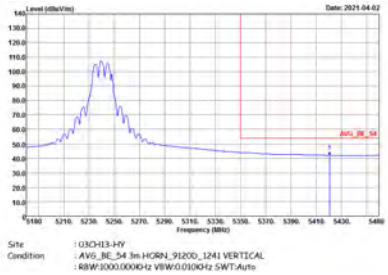
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

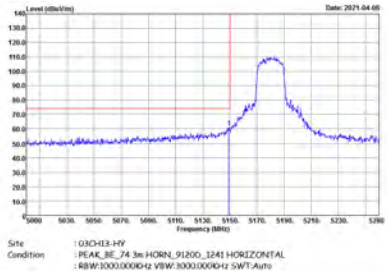
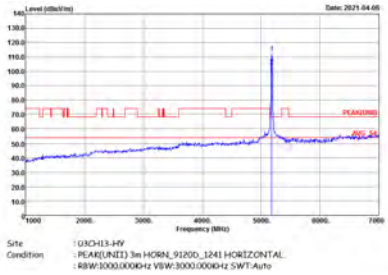
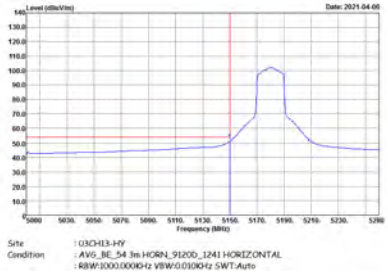
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

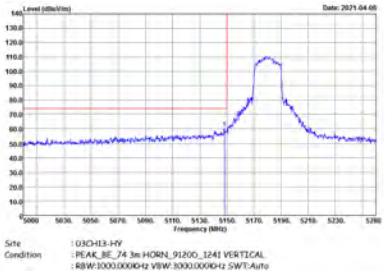
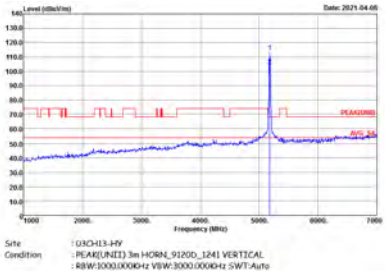
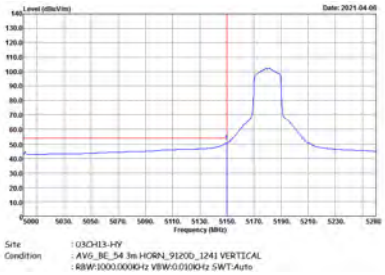
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

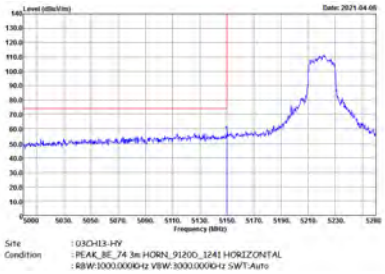
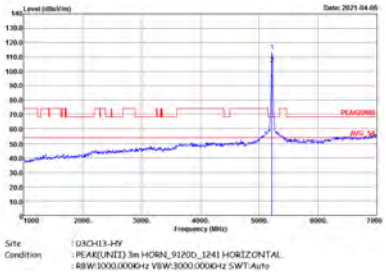
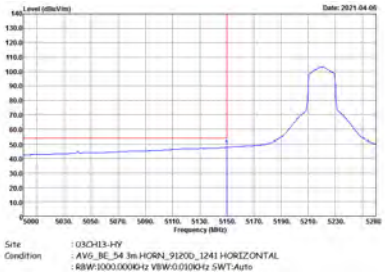
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

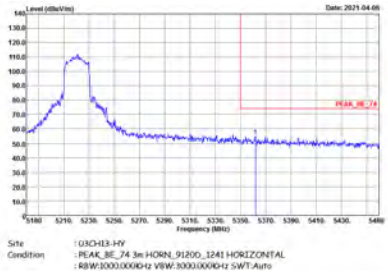
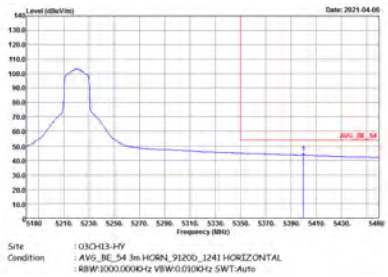
Band 1 5150~5250MHz

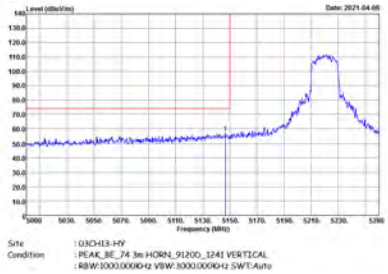
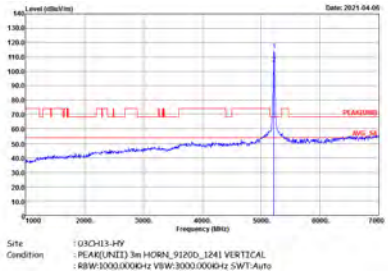
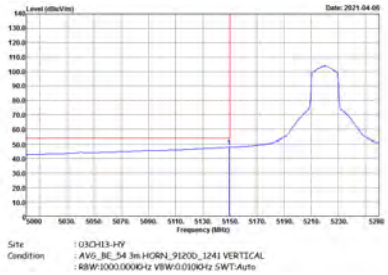
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

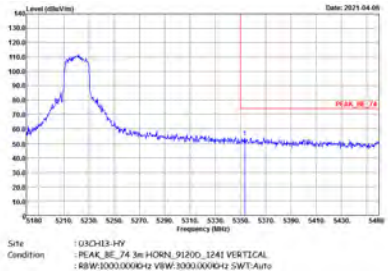
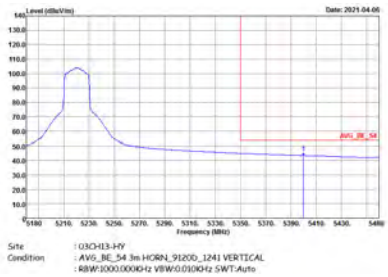
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

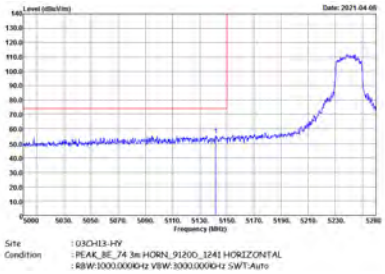
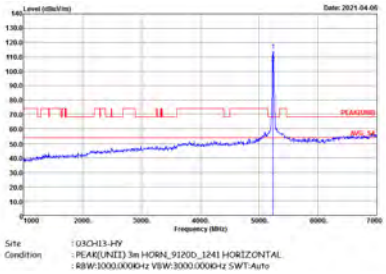
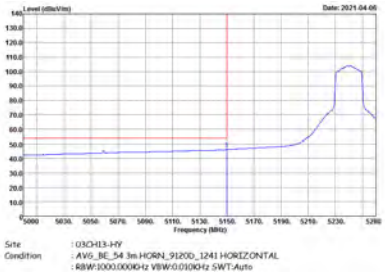
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

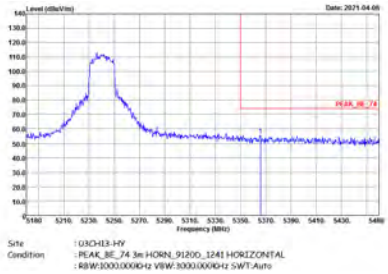
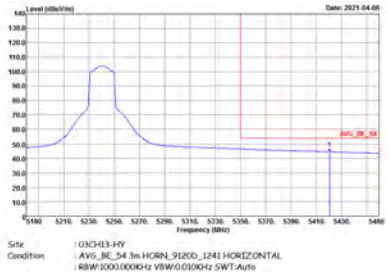
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

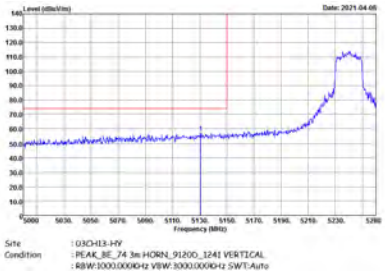
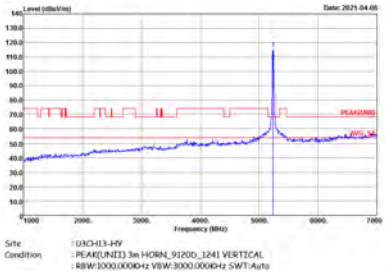
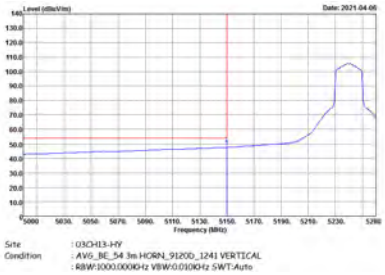
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

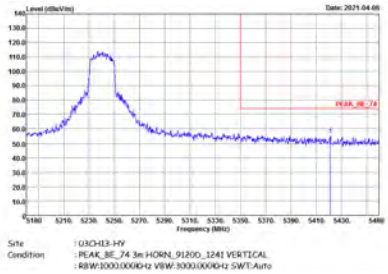
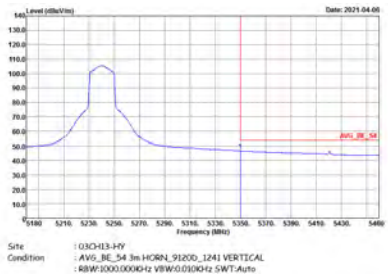
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

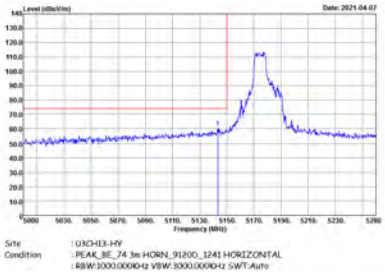
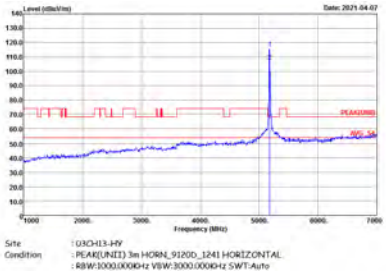
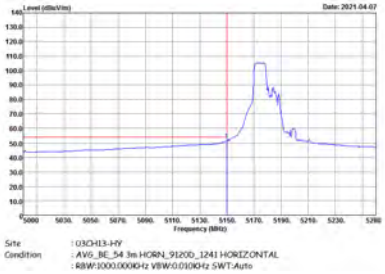
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

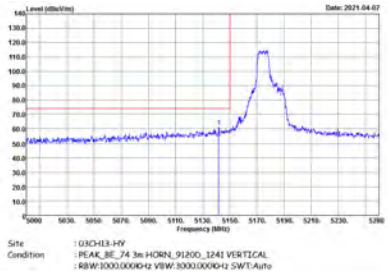
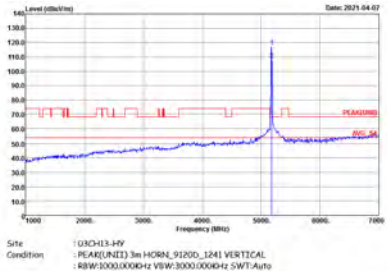
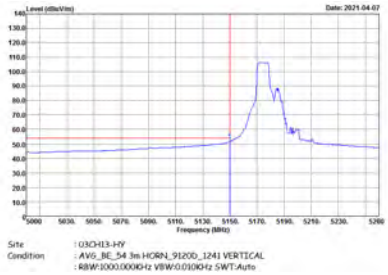
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

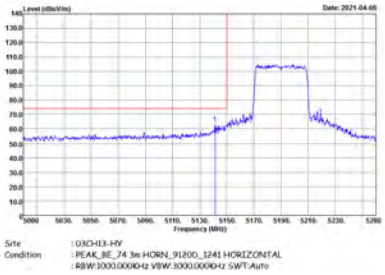
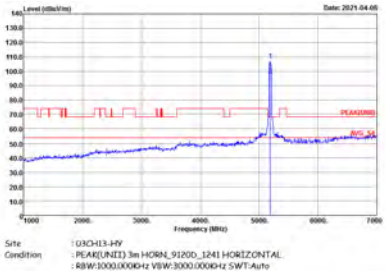
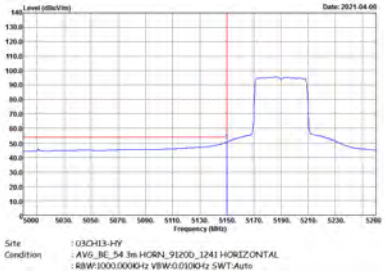
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

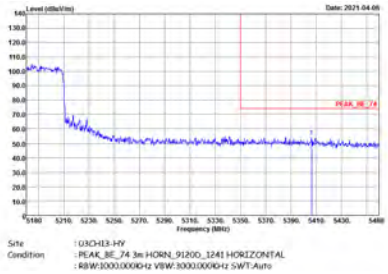
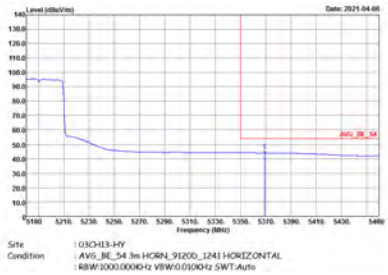
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

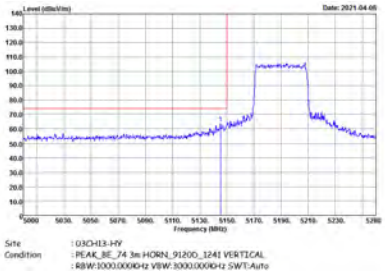
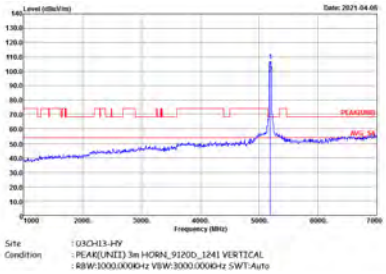
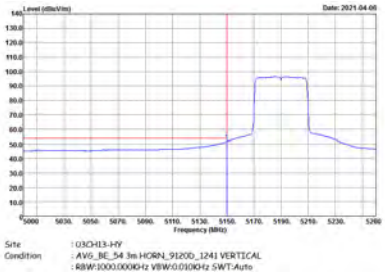
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

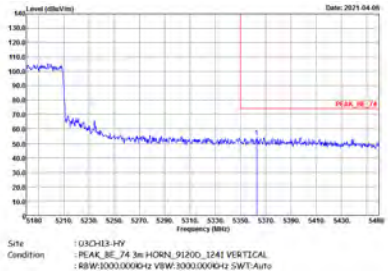
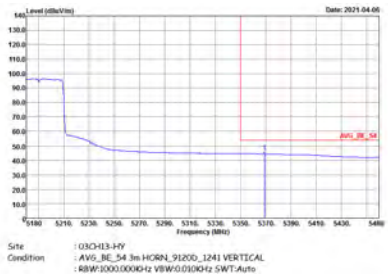
Band 1 5150~5250MHz

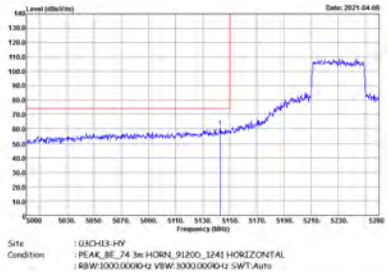
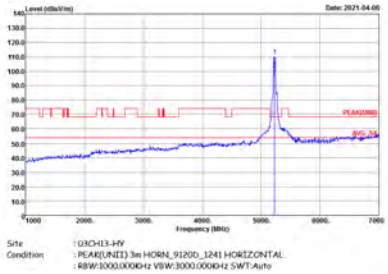
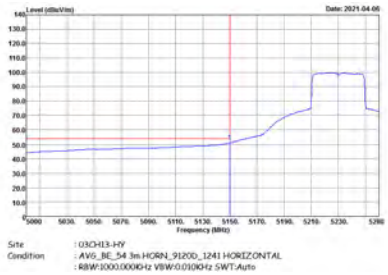
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

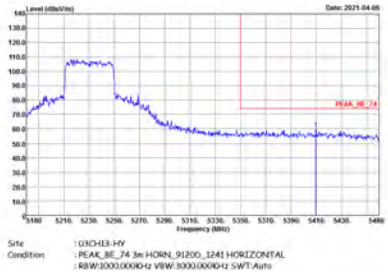
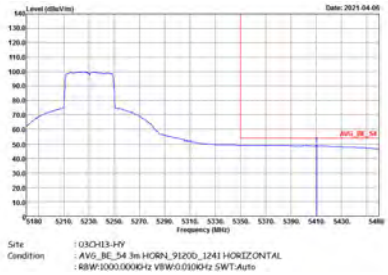
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

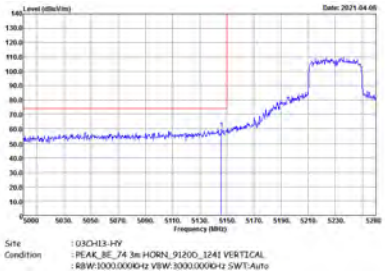
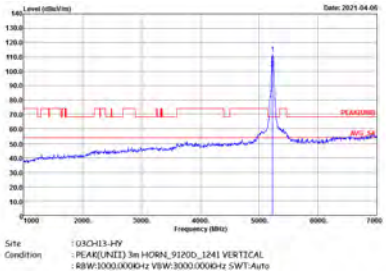
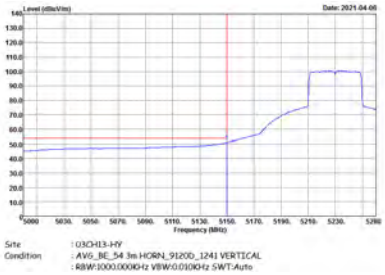
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

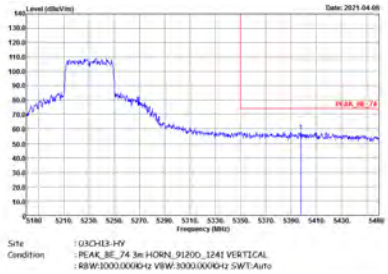
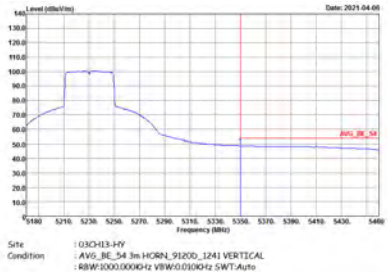
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

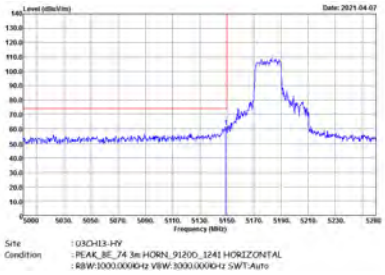
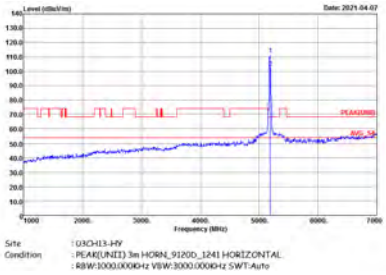
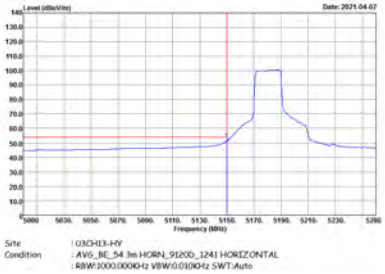
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

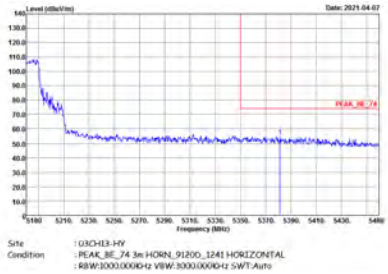
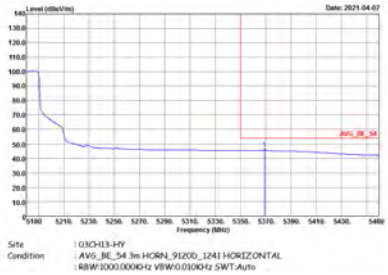
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

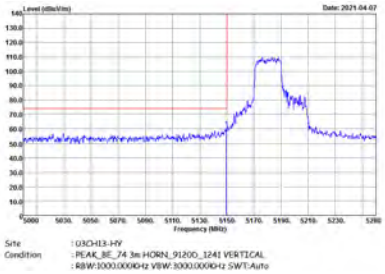
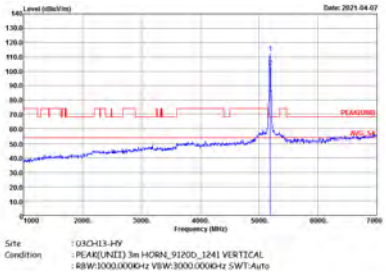
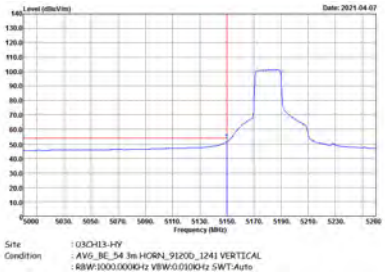
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

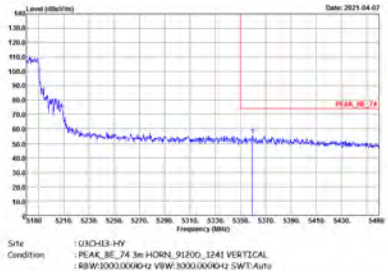
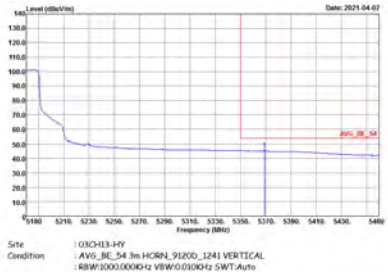
Band 1 5150~5250MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

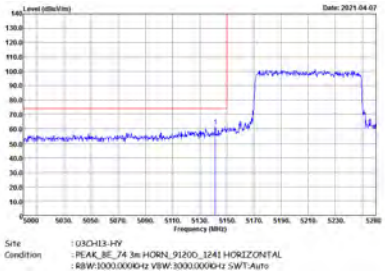
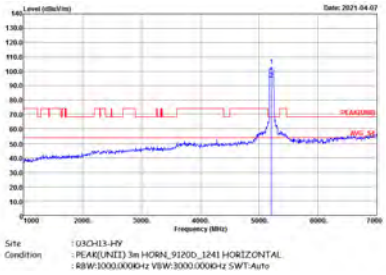
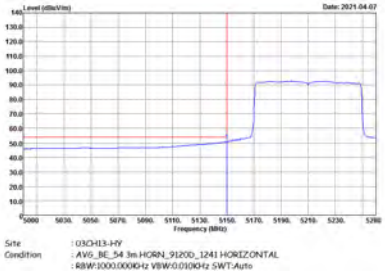
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

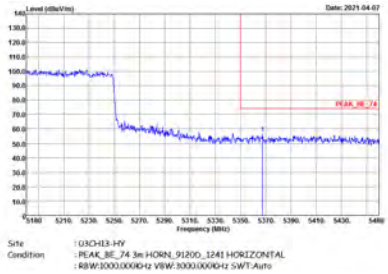
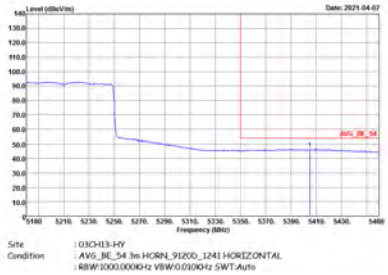
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

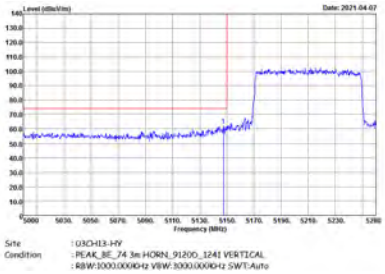
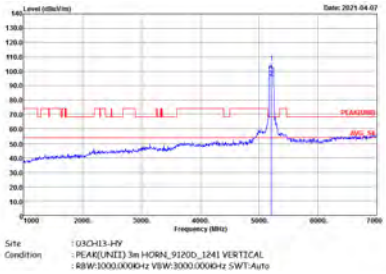
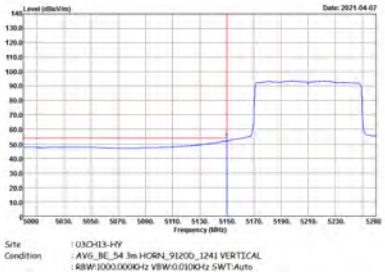
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

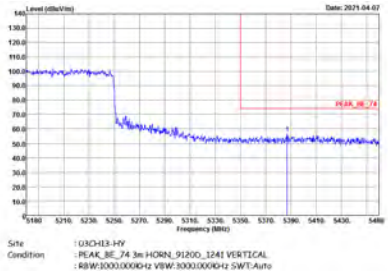
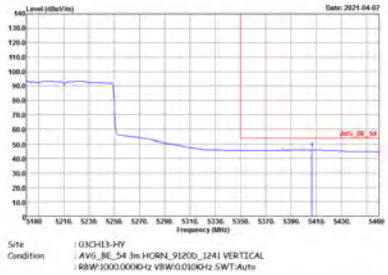
Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

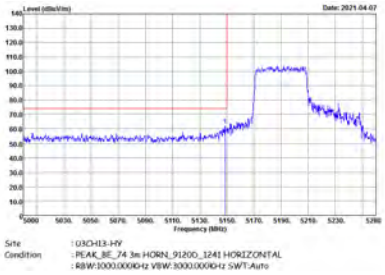
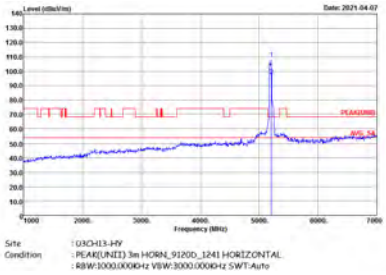
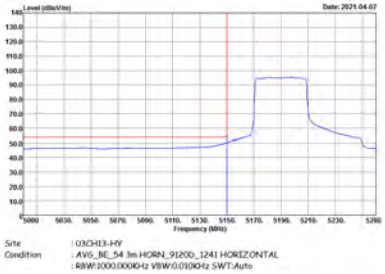
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

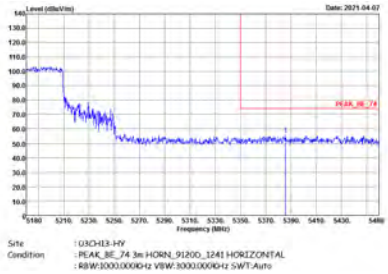
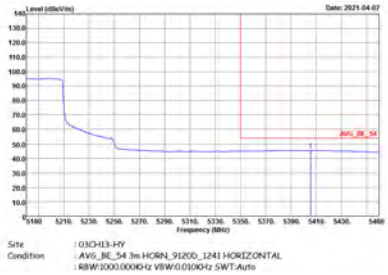
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

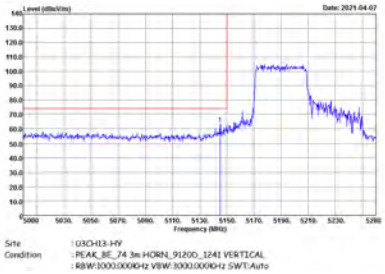
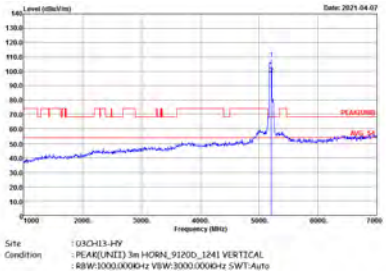
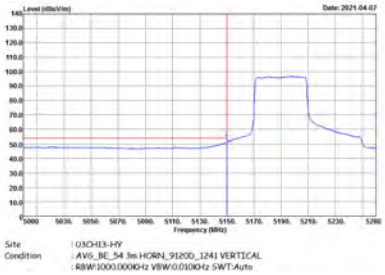
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

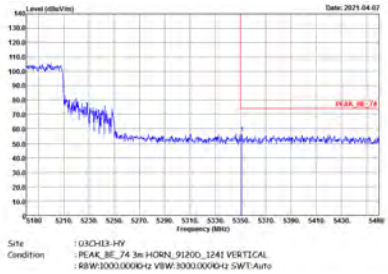
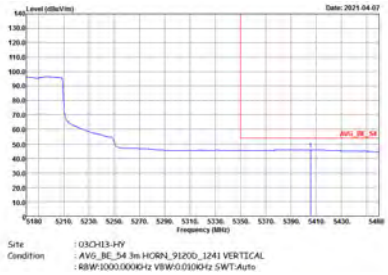
Band 1 5150~5250MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

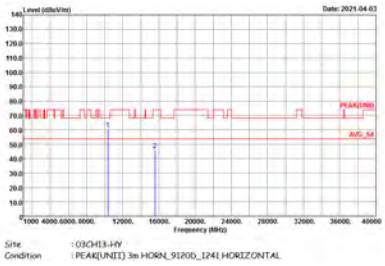
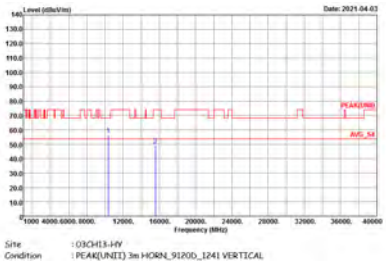
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

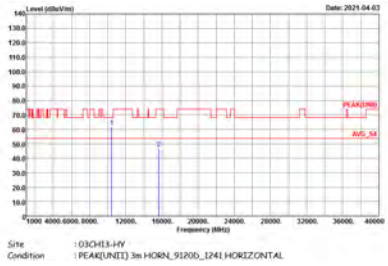
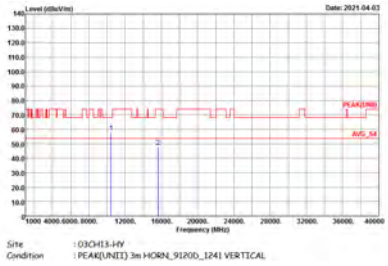
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

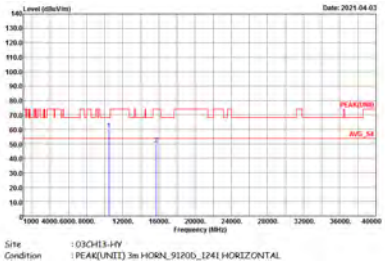
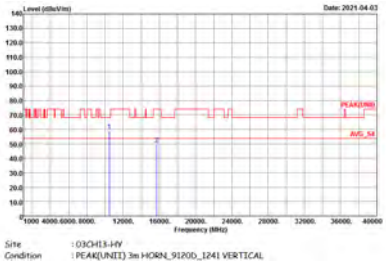
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

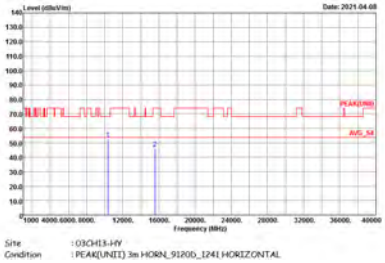
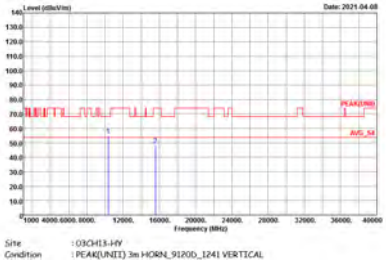
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

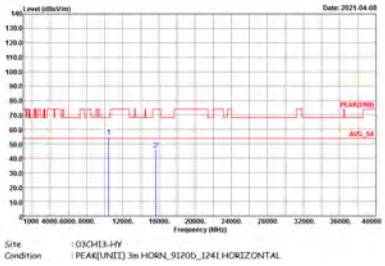
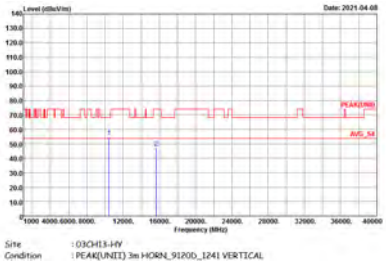
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

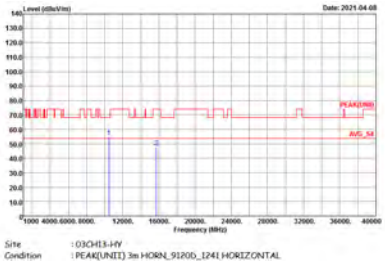
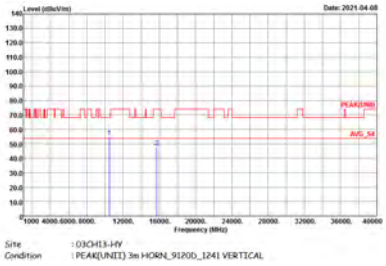
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

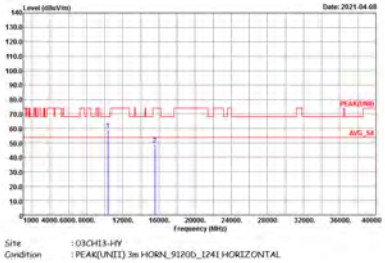
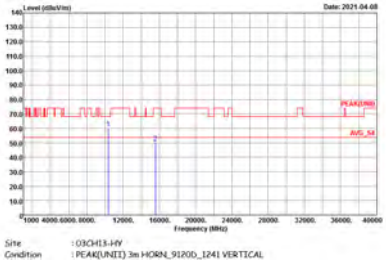
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

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

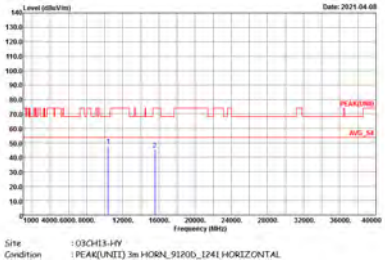
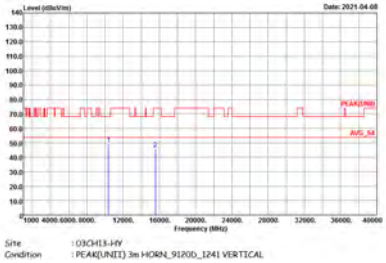
Band 1 5150~5250MHz

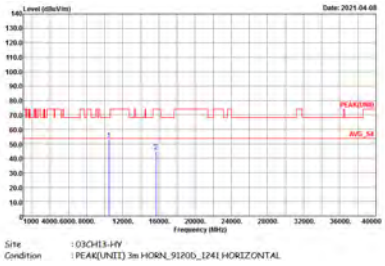
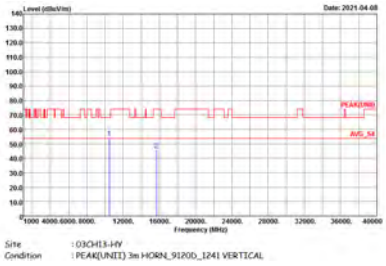
WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

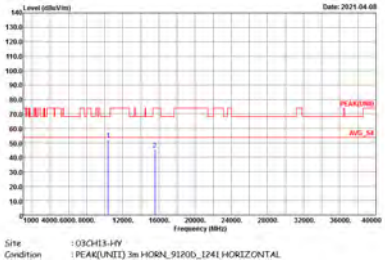
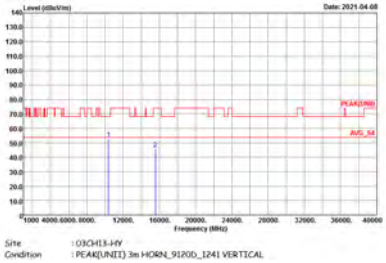
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

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.		

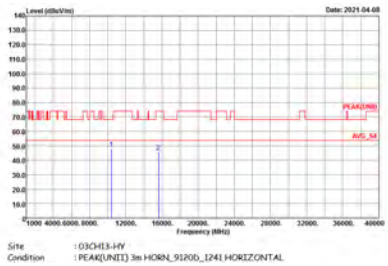
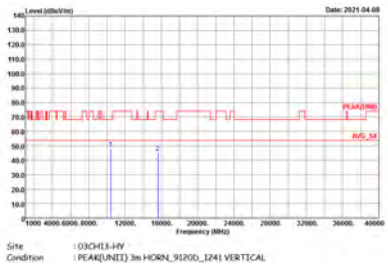
Band 1 5150~5250MHz

WIFI 802.11ax HE40 Partial 242 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.		

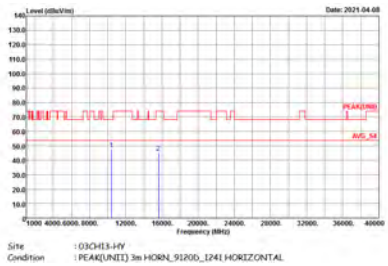
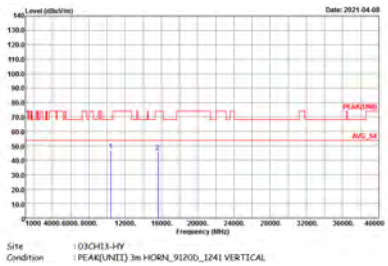
Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

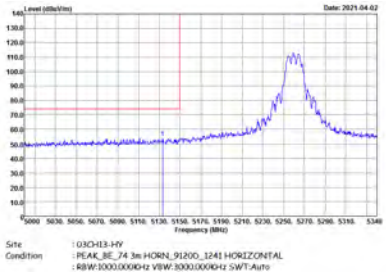
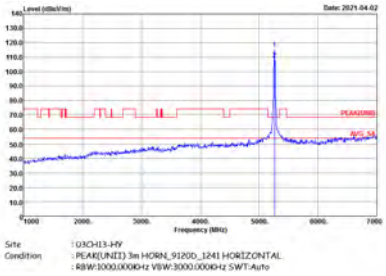
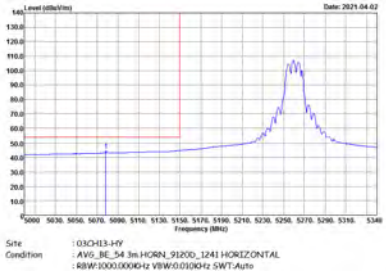
Band 1 5150~5250MHz

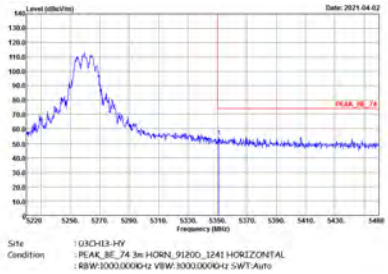
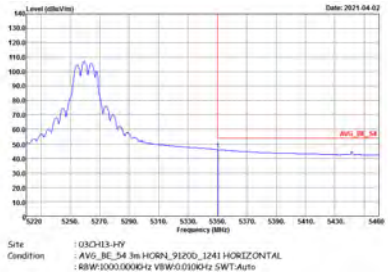
WIFI 802.11ax HE80 Partial 484 (Harmonic @ 3m)

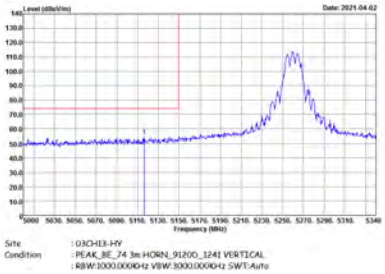
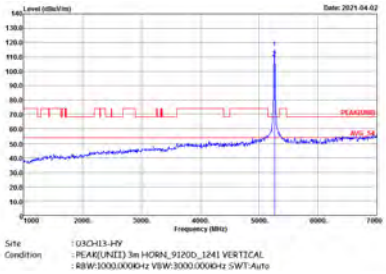
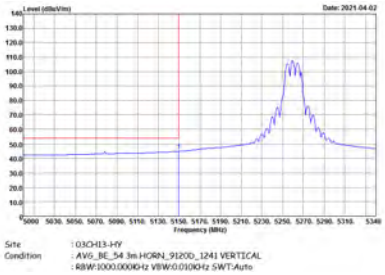
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

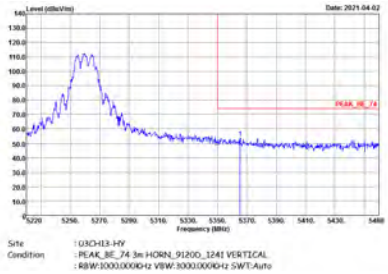
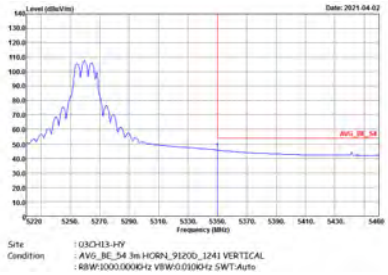
Band 2 - 5250~5350MHz

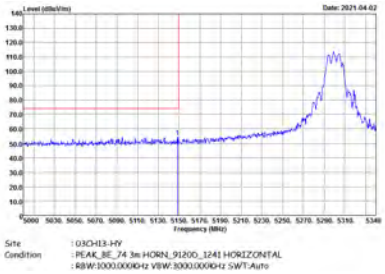
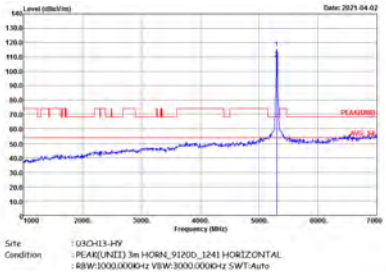
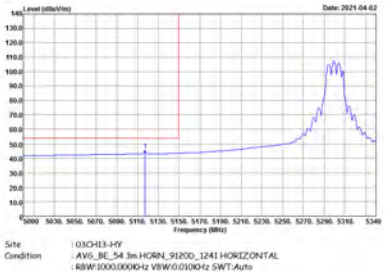
WIFI 802.11a (Band Edge @ 3m)

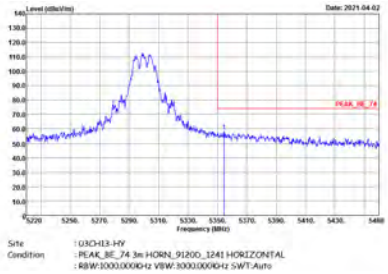
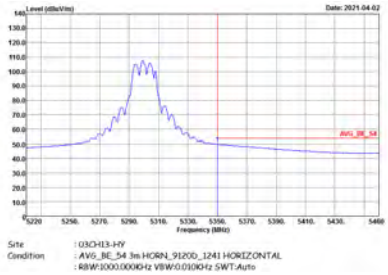
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

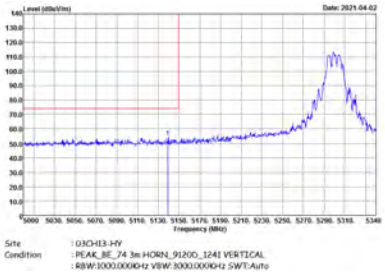
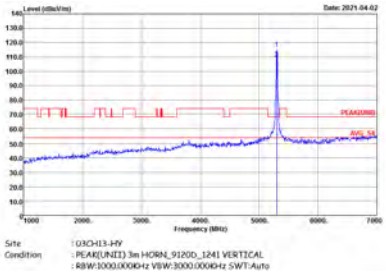
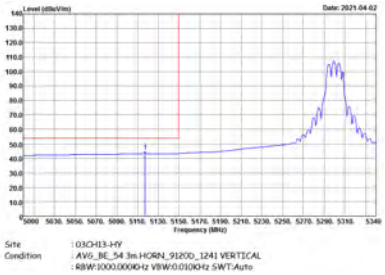
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

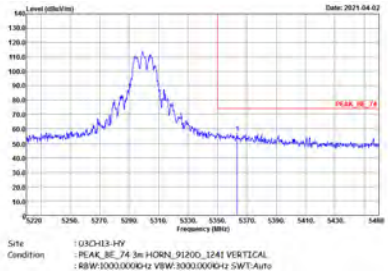
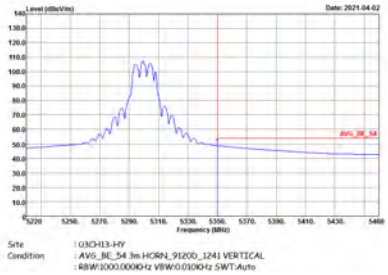
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

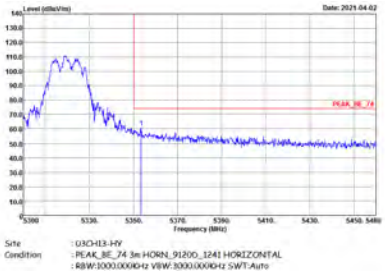
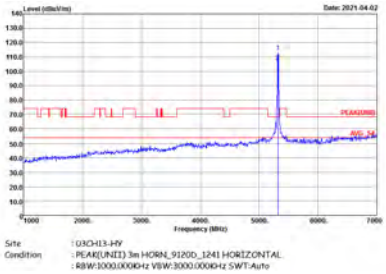
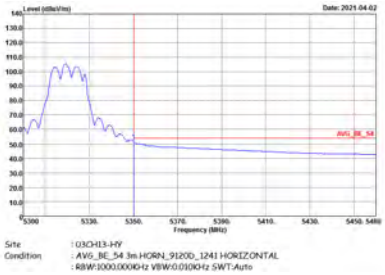
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

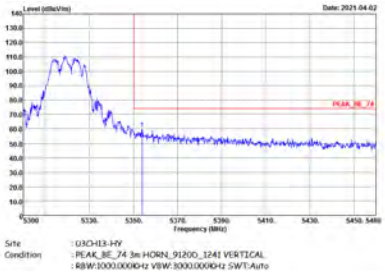
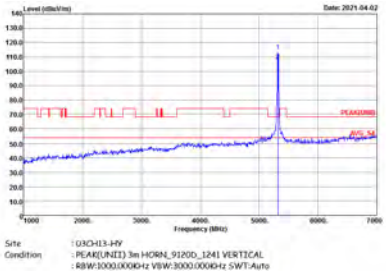
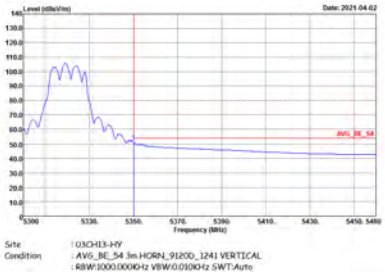
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

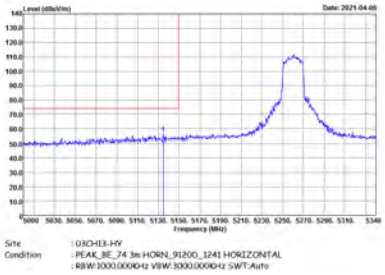
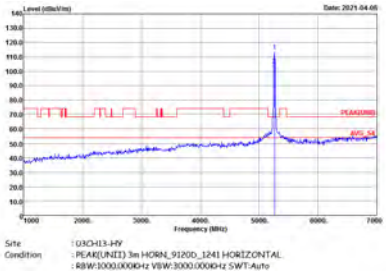
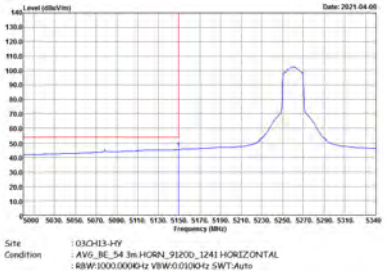
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

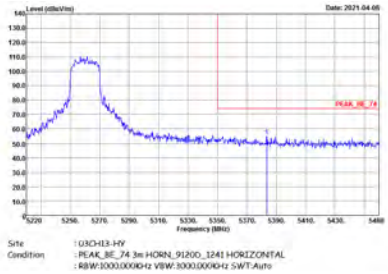
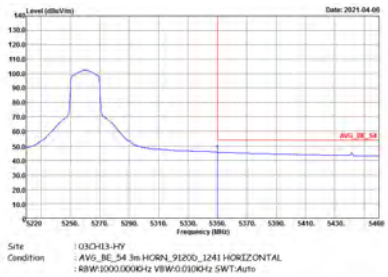
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

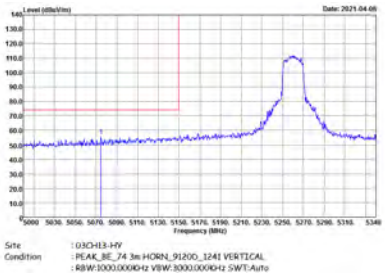
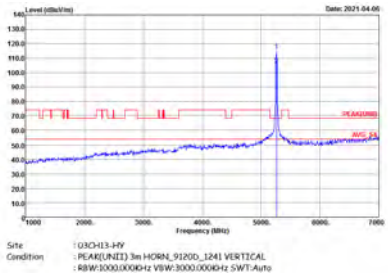
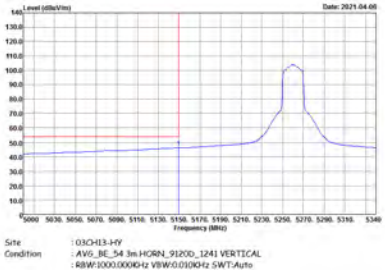
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

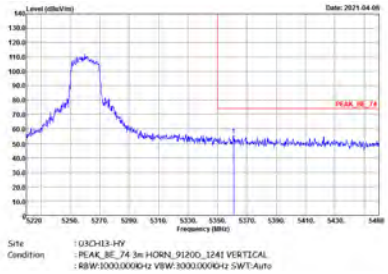
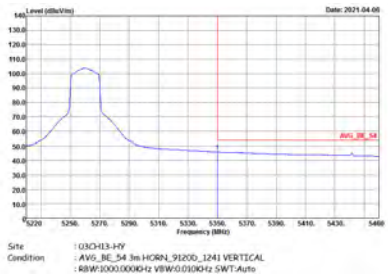
Band 2 5250~5350MHz

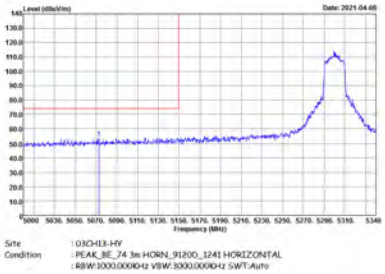
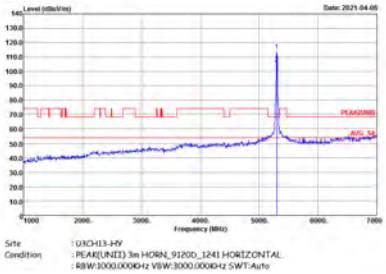
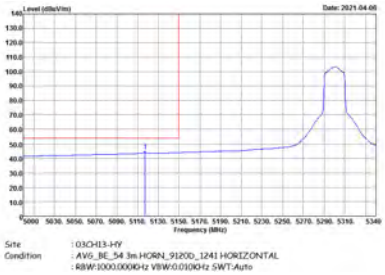
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

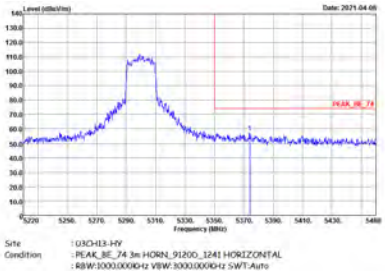
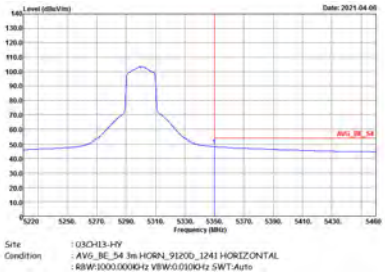
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

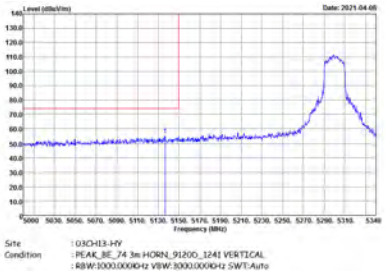
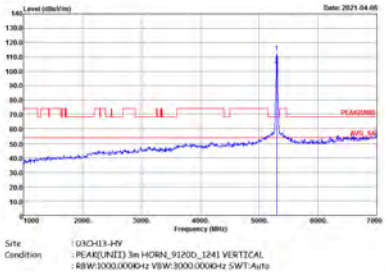
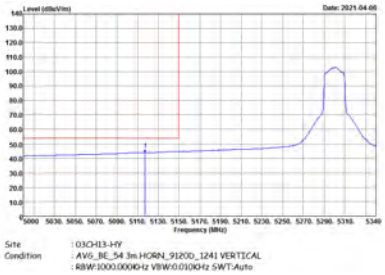
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

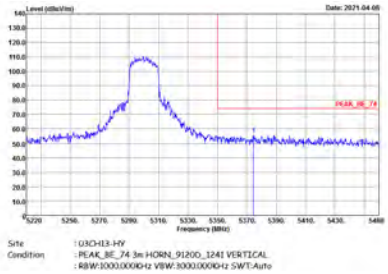
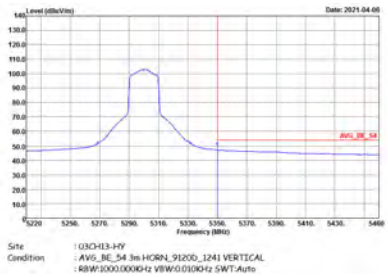
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

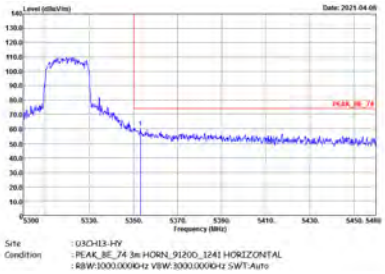
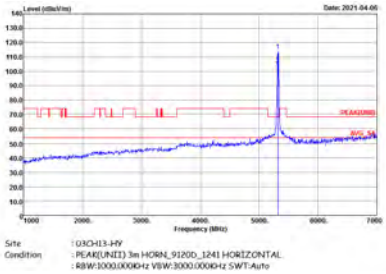
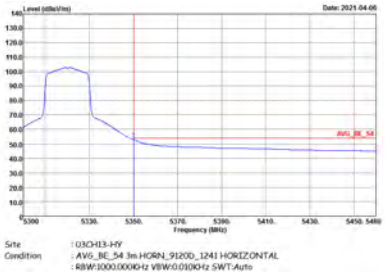
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

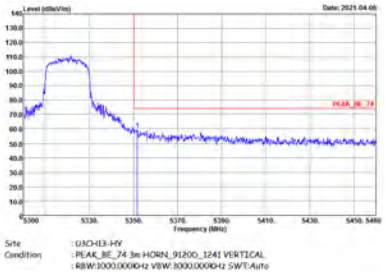
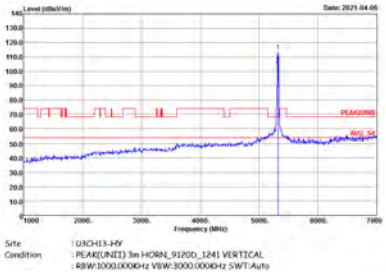
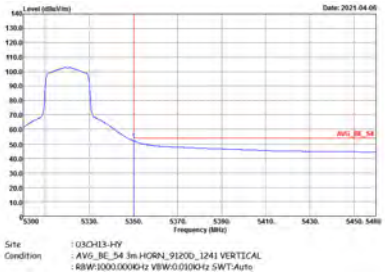
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

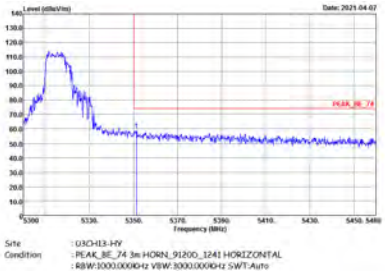
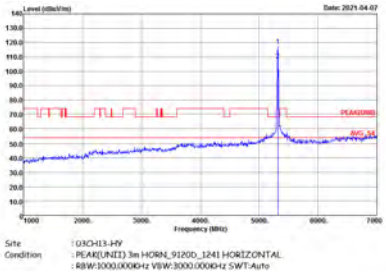
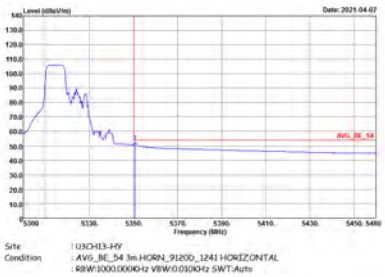
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

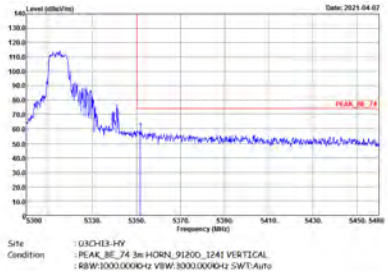
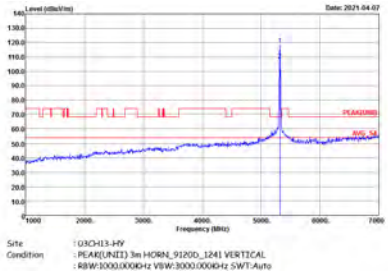
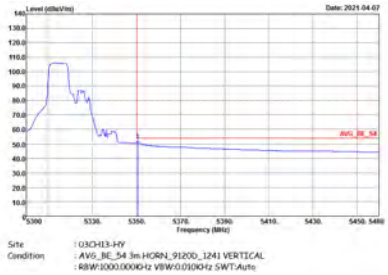
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 2 - 5250~5350MHz

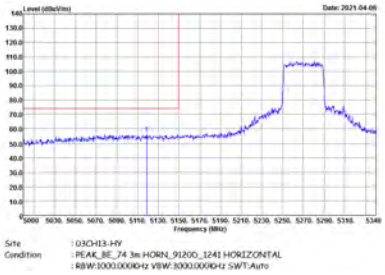
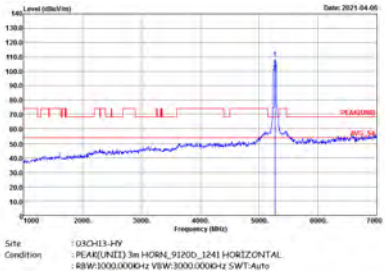
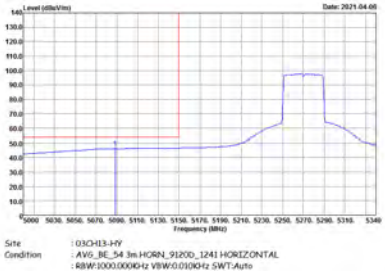
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

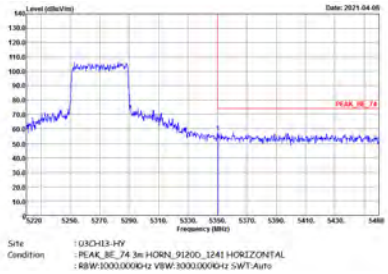
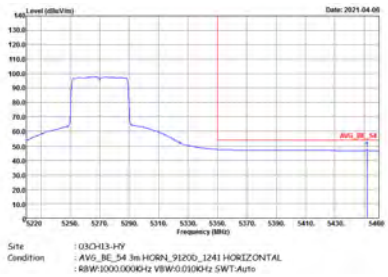
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

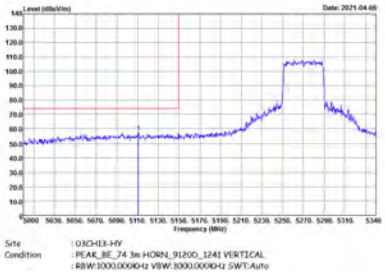
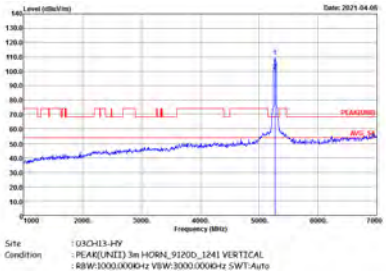
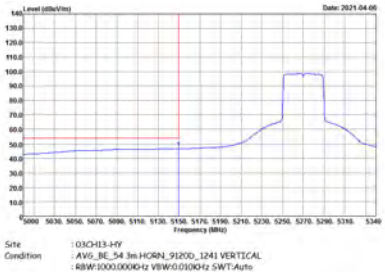
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

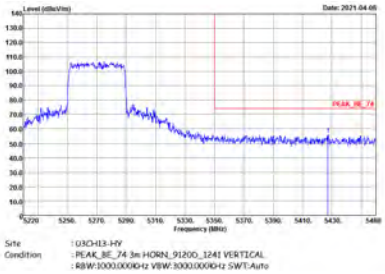
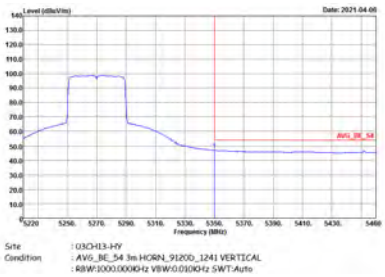
Band 2 5250~5350MHz

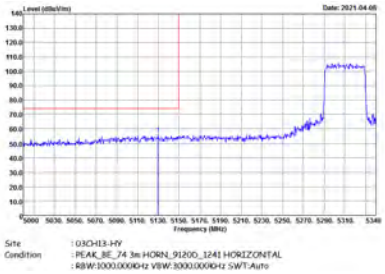
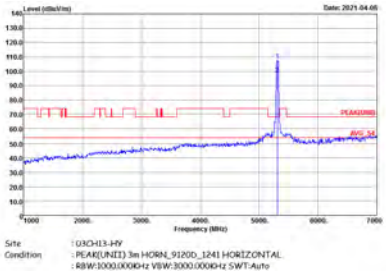
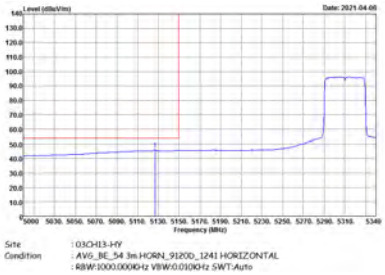
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

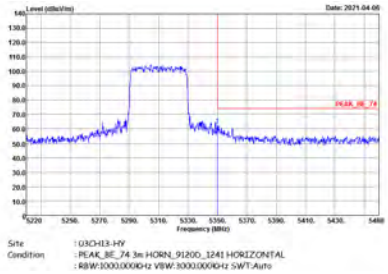
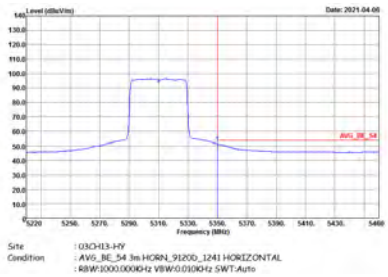
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

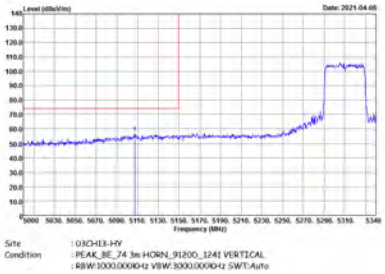
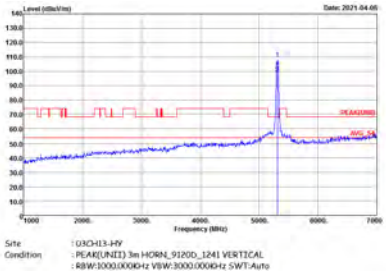
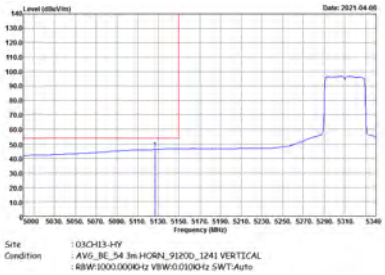
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

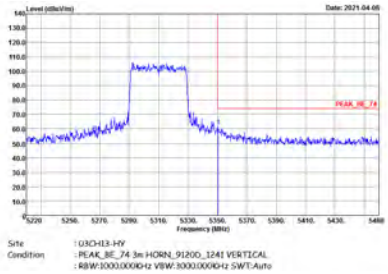
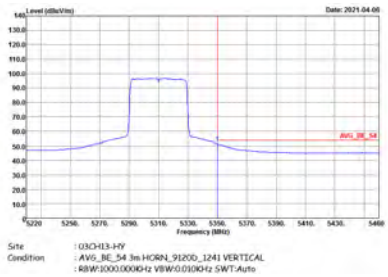
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

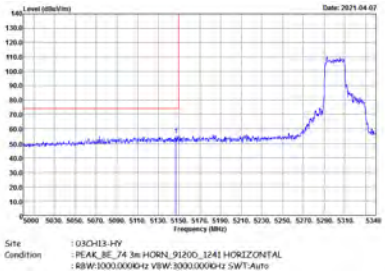
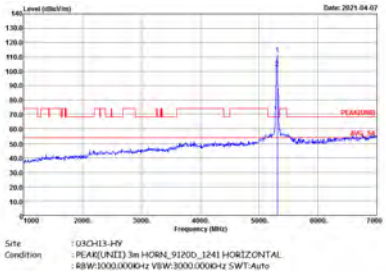
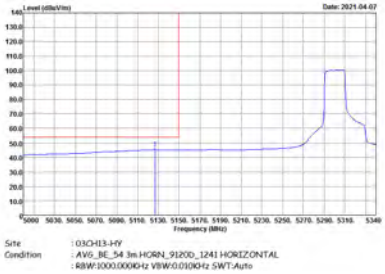
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

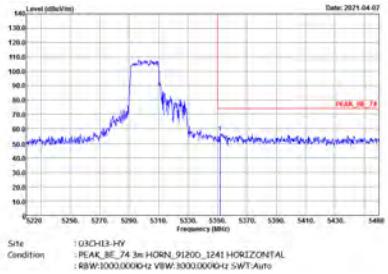
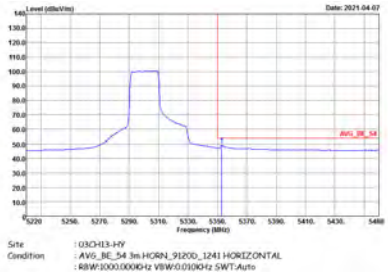
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

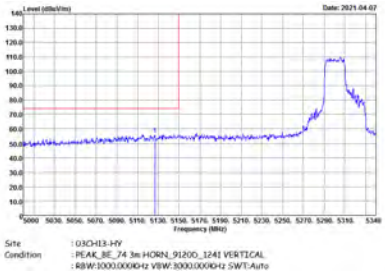
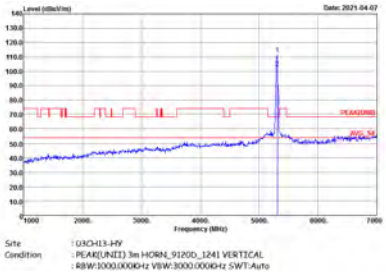
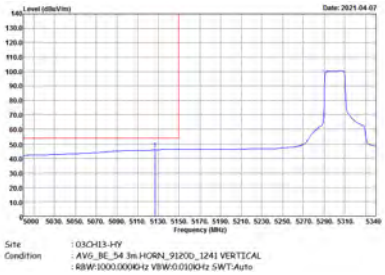
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

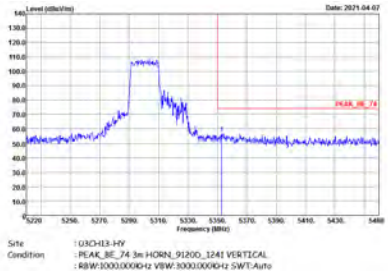
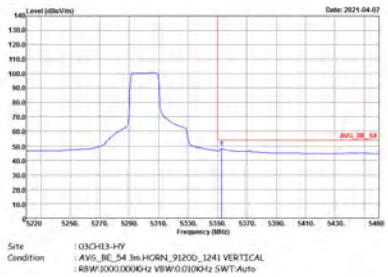
Band 2 5250~5350MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

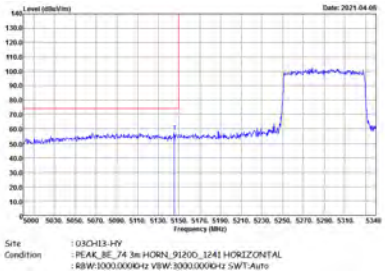
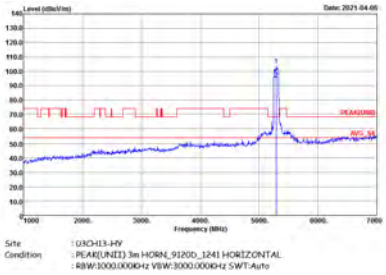
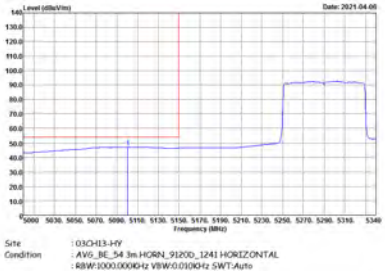
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

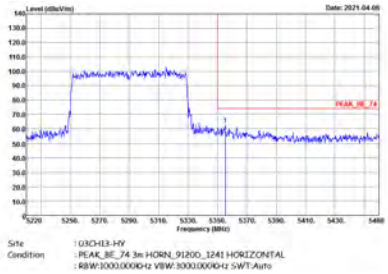
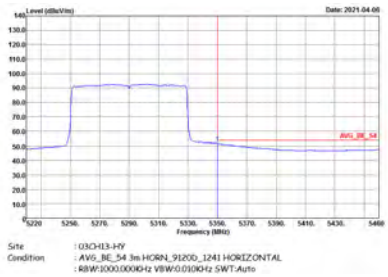
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

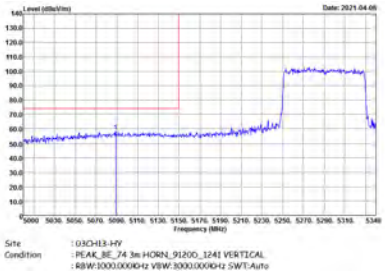
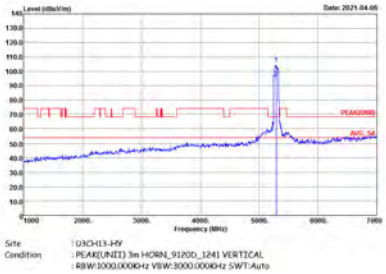
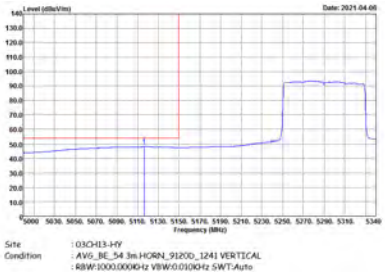
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/62 CH62 5310 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

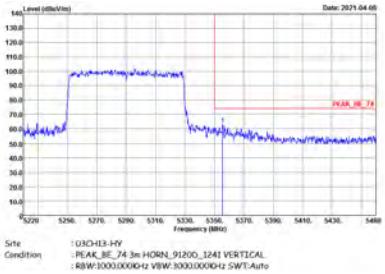
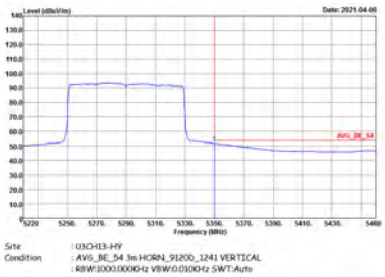
Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

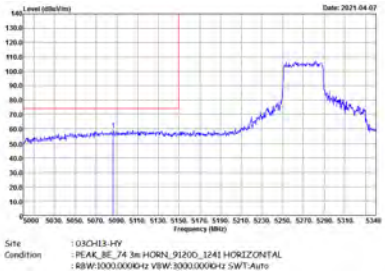
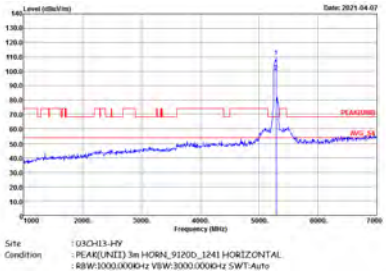
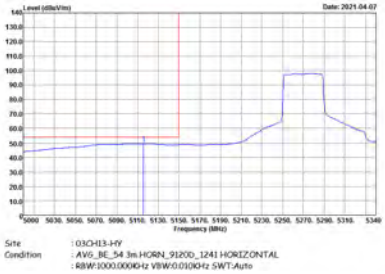
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

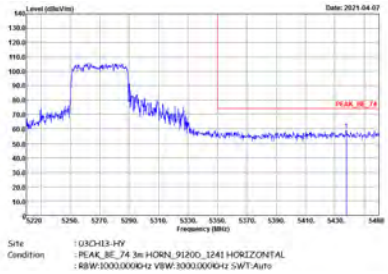
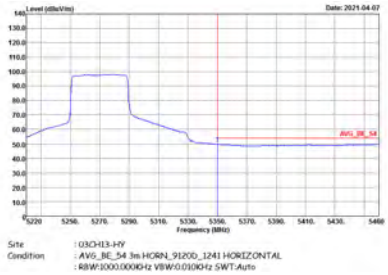
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

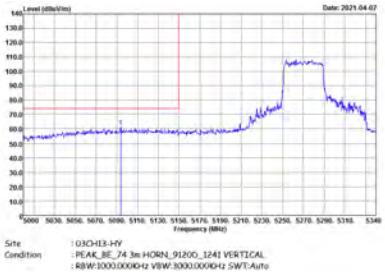
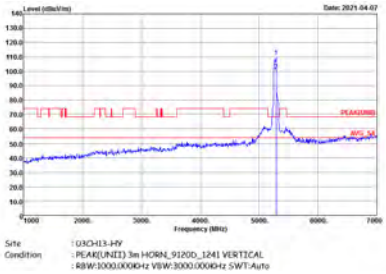
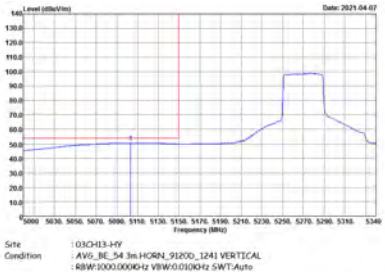
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

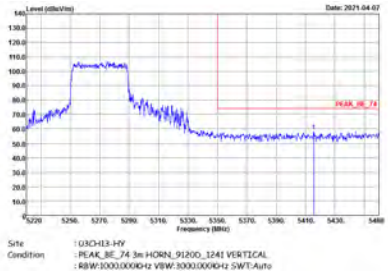
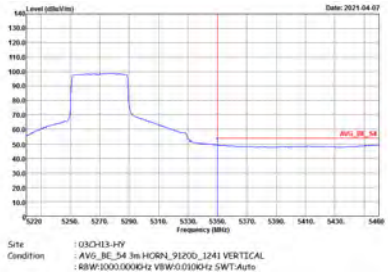
Band 2 5250~5350MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH58 5290MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

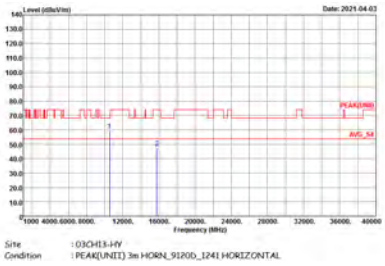
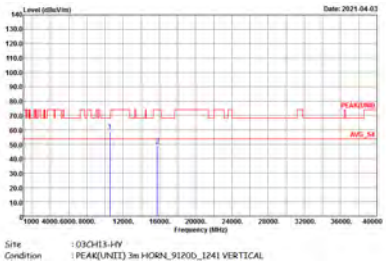
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

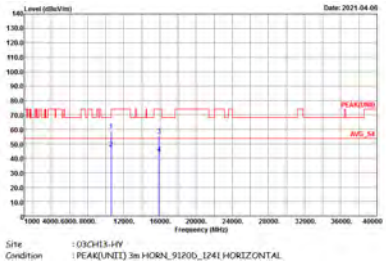
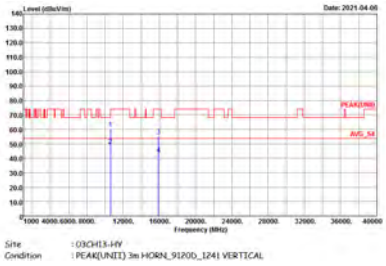
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

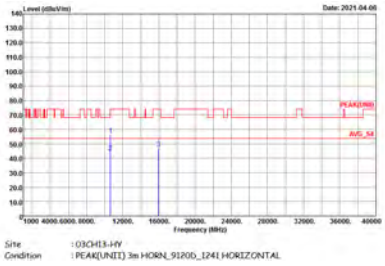
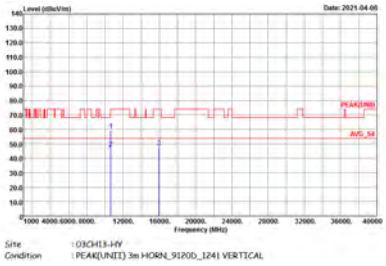
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

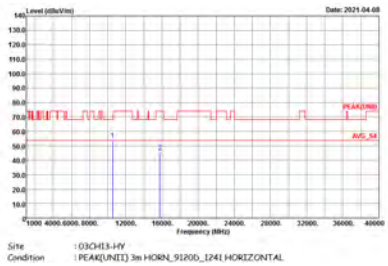
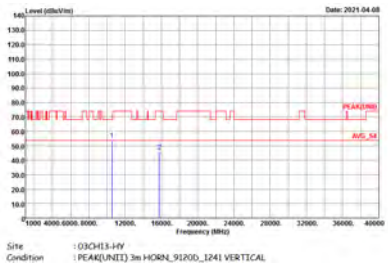
WIFI 802.11a (Harmonic @ 3m)

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

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

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

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.