



FCC RADIO TEST REPORT

FCC ID : J9C-QCNFA765
Equipment : Wi-Fi 6E BT 5.2 M.2 2230 Module
Brand Name : Qualcomm
Model Name : QCNFA765
Applicant : Qualcomm Technologies, Inc.
5775 Morehouse Drive, San Diego, CA 92121-1714
Manufacturer : Qualcomm Technologies, Inc.
5775 Morehouse Drive, San Diego, CA 92121-1714
Standard : FCC Part 15 Subpart E §15.407

The product was received on Oct. 13, 2021 and testing was performed from Nov. 06, 2021 to Dec. 14, 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 partial 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.

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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History of this test report

Report No.	Version	Description	Issued Date
FR1O1338D	01	Initial issue of report	Dec. 22, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)(8)	Maximum Conducted Output Power	Reporting only	-
3.1	15.407(a)(8)	Fundamental Maximum EIRP	Pass	-
3.2	15.407(b)	Unwanted Emissions	Pass	0.93 dB under the limit at 7125.020 MHz
3.3	15.203 15.407(a)	Antenna Requirement	Pass	-

Note: The test plan for power and radiated spurious emission measurement are designated by manufacturer as worst case for Test Lab. measurement. Then, all test cases are performed, based on the worst power measured by Test Lab, and reported accordingly.

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: Sheng Kuo

Report Producer: Cindy Liu

1 General Description

1.1 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax and Wi-Fi 6GHz 802.11a/ax

Product Feature	
Sample 1	EUT with Host 1
Sample 2	EUT with Host 2
Antenna Type	WLAN: <Main>: PIFA Antenna <Aux.>: PIFA Antenna Bluetooth: PIFA Antenna

The product was installed into Portable Computer (Brand Name: DELL, Model Name: P157G) during test, and the host information was recorded in the following table.

Host Information	
Host 1	Host with WNC Antenna
Host 2	Host with Speed Antenna

Antenna Information			
Antenna 1	Manufacturer	WNC	
	Antenna Type	PIFA Antenna	PIFA Antenna
	Part number	81EABJ15.G45	81EABJ15.G46
	Peak gain (dBi)	Main Antenna :	Aux. Antenna :
		WLAN(6G B5): 2.44	WLAN(6G B5): 3.11
		WLAN(6G B6): 0.31	WLAN(6G B6): 2.84
WLAN(6G B7): 1.31		WLAN(6G B7): 1.60	
WLAN(6G B8): 1.44	WLAN(6G B8): 1.76		
Antenna 2	Manufacturer	Speed	
	Antenna Type	PIFA Antenna	PIFA Antenna
	Part number	F-0G-FS-6120-002	F-0G-FS-6120-003
	Peak gain (dBi)	Main Antenna :	Aux. Antenna :
		WLAN(6G B5): 2.44	WLAN(6G B5): 3.11
		WLAN(6G B6): 0.31	WLAN(6G B6): 2.84
WLAN(6G B7): 1.31		WLAN(6G B7): 1.60	
WLAN(6G B8): 1.44	WLAN(6G B8): 1.76		

Remark:

- The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.
- The output power measurement was performed with "WNC Antenna", and performed with "Speed Antenna" in radiated spurious emission test as representative.

1.2 Modification of EUT

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

1.3 Testing Location

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

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

FCC designation No.: TW3786

1.4 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 987594 D02 U-NII 6 GHz EMC Measurement v01
- ♦ 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.

2 Test Configuration of Equipment Under Test

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: radiation emission (1 GHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

2.1 Carrier Frequency and Channel

BW 20M	Channel	2							
	Freq. (MHz)	5935							

BW 20M	Channel	1	5	9	13	17	21	25	29
	Freq. (MHz)	5955	5975	5995	6015	6035	6055	6075	6095
BW 40M	Channel	3		11		19		27	
	Freq. (MHz)	5965		6005		6045		6085	
BW 80M	Channel	7				23			
	Freq. (MHz)	5985				6065			
BW 160M	Channel	15							
	Freq. (MHz)	6025							

BW 20M	Channel	33	37	41	45	49	53	57	61
	Freq. (MHz)	6115	6135	6155	6175	6195	6215	6235	6255
BW 40M	Channel	35		43		51		59	
	Freq. (MHz)	6125		6165		6205		6245	
BW 80M	Channel	39				55			
	Freq. (MHz)	6145				6225			
BW 160M	Channel	47							
	Freq. (MHz)	6185							

BW 20M	Channel	65	69	73	77	81	85	89	93
	Freq. (MHz)	6275	6295	6315	6335	6355	6375	6395	6415
BW 40M	Channel	67		75		83		91	
	Freq. (MHz)	6285		6325		6365		6405	
BW 80M	Channel	71				87			
	Freq. (MHz)	6305				6385			
BW 160M	Channel	79							
	Freq. (MHz)	6345							



BW 20M	Channel	97	101	105	109	113	117	121	125
	Freq. (MHz)	6435	6455	6475	6495	6515	6535	6555	6575
BW 40M	Channel	99		107		115		123	
	Freq. (MHz)	6445		6485		6525		6565	
BW 80M	Channel	103				119			
	Freq. (MHz)	6465				6545			
BW 160M	Channel	111							
	Freq. (MHz)	6505							

BW 20M	Channel	129	133	137	141	145	149	153	157
	Freq. (MHz)	6595	6615	6635	6655	6675	6695	6715	6735
BW 40M	Channel	131		139		147		155	
	Freq. (MHz)	6605		6645		6685		6725	
BW 80M	Channel	135				151			
	Freq. (MHz)	6625				6705			
BW 160M	Channel	143							
	Freq. (MHz)	6665							

BW 20M	Channel	161	165	169	173	177	181	185	189
	Freq. (MHz)	6755	6775	6795	6815	6835	6855	6875	6895
BW 40M	Channel	163		171		179		187	
	Freq. (MHz)	6765		6805		6845		6885	
BW 80M	Channel	167				183			
	Freq. (MHz)	6785				6865			
BW 160M	Channel	175							
	Freq. (MHz)	6825							

BW 20M	Channel	193	197	201	205	209	213	217	221
	Freq. (MHz)	6915	6935	6955	6975	6995	7015	7035	7055
BW 40M	Channel	195		203		211		219	
	Freq. (MHz)	6925		6965		7005		7045	
BW 80M	Channel	199				215			
	Freq. (MHz)	6945				7025			
BW 160M	Channel	207							
	Freq. (MHz)	6985							

BW 20M	Channel	225	229
	Freq. (MHz)	7075	7095
BW 40M	Channel	227	
	Freq. (MHz)	7085	

BW 20M	Channel	233							
	Freq. (MHz)	7115							

2.2 Test Mode

The final test modes consider the modulation and the worst data rates as shown in the table below.

Modulation	Data Rate
802.11a	6 Mbps
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE160	MCS0

<Chain 0>

Ch. #		UNII-5 (5925-6425 MHz)			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE160
L	Low	001	001	003	015
		002	002	-	-
M	Middle	-	-	-	-
H	High	-	-	-	-

Ch. #		UNII-7 (6525-6875 MHz)	UNII-8 (6875-7125 MHz)		
		802.11ax HE20	802.11a	802.11ax HE20	802.11ax HE40
Low		-	-	-	-
Middle		149	-	-	-
High		-	223	223	227

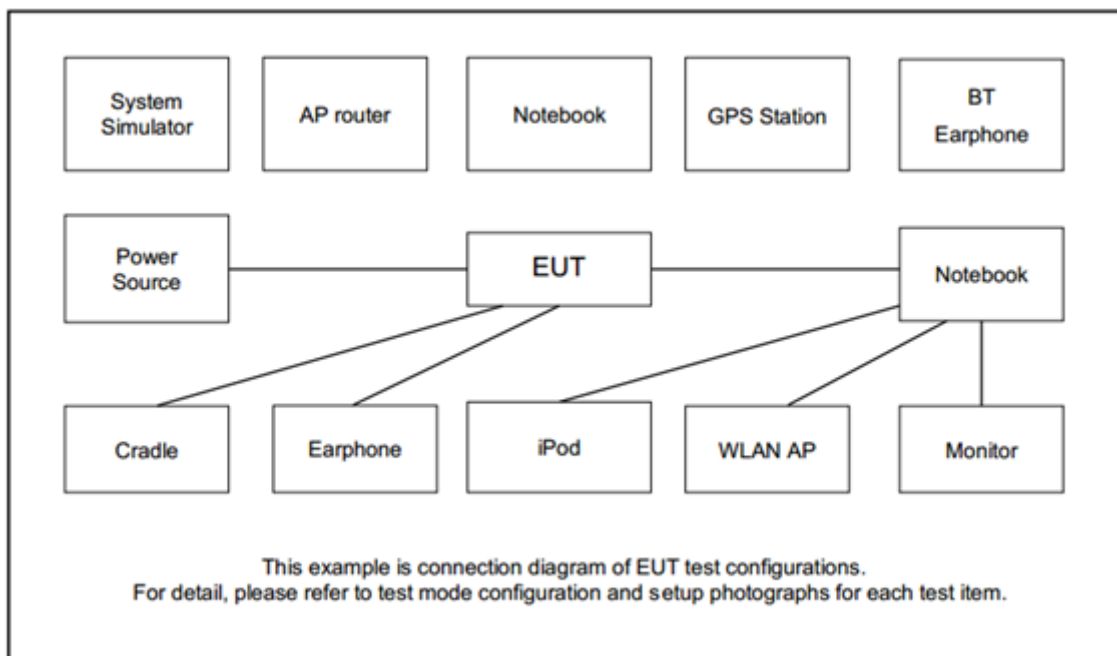
MIMO <Chain 0+1>

Ch. #		UNII-5 (5925-6425 MHz)			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE160
L	Low	001	001	003	015
		002	002	-	-
M	Middle	-	-	-	-
H	High	-	-	-	-

Ch. #		UNII-7 (6525-6875 MHz)		
		802.11a	802.11ax HE20	802.11ax HE40
L	Low	-	-	-
M	Middle	-	149	-
H	High	181	181	179

Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System





2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT V4.0.00194.0” was installed in Host 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.

3 Test Result

3.1 Maximum conducted Output Power and Fundamental Maximum EIRP Measurement

3.1.1 Limit of Fundamental Maximum EIRP

<FCC 14-30 CFR 15.407>

(a)(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

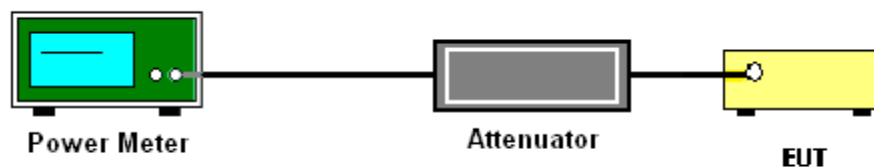
3.1.3 Test Procedures

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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

3.1.4 Test Setup



3.1.5 Test Result of Fundamental Maximum EIRP

Please refer to Appendix A.

3.2 Unwanted Emissions Measurement

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

3.2.1 Limit of Unwanted Emissions

- (1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27 (RMS)	68.3
- 7 (Peak)	88.3

According 987594 D02 U-NII 6GHz EMC Measurement v01 section G:

Unwanted emissions outside of restricted bands are measured with a RMS detector.

In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

- (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.

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

3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

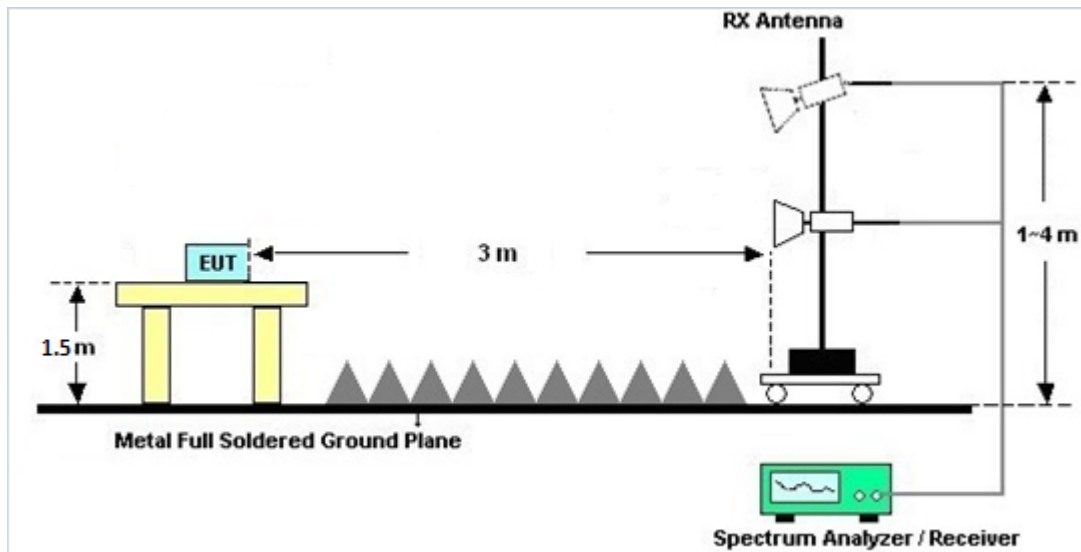
3.2.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
(1) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold(2) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 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 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing above 1GHz is performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree to find the peak maximum hold reading for scanning all frequencies.

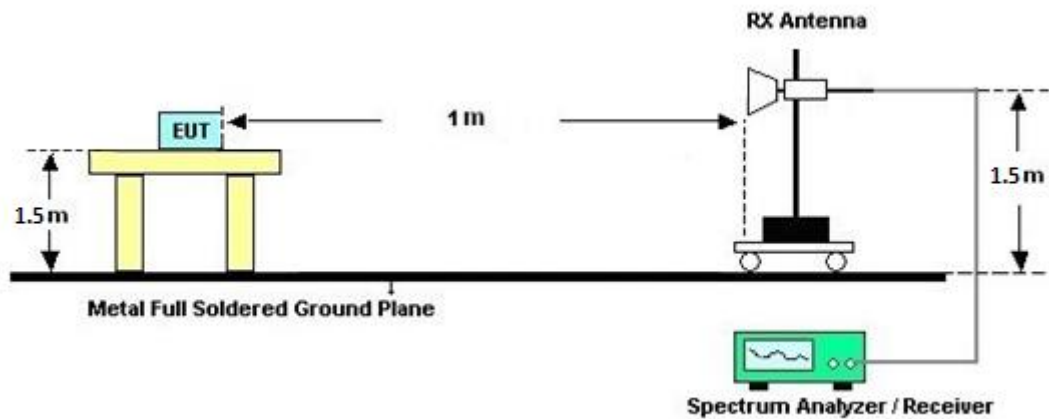
When there is no suspected emission found and the harmonic emission level is with at least 6dB margin against average limit line, the position is marked as “-”.

3.2.4 Test Setup

For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.2.5 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.2.6 Duty Cycle

Please refer to Appendix D.

3.2.7 Test Result of Radiated Spurious Emissions

Please refer to Appendix B and C.



3.3 Antenna Requirements

3.3.1 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.3.2 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Oct. 25, 2021	Nov. 18, 2021~ Dec. 14, 2021	Oct. 24, 2022	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	00991	18GHz~40GHz	May 12, 2021	Nov. 18, 2021~ Dec. 14, 2021	May 11, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	17100018000 55006	1GHz~18GHz	May 06, 2021	Nov. 18, 2021~ Dec. 14, 2021	May 05, 2022	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz~18GHz	Jul. 26, 2021	Nov. 18, 2021~ Dec. 14, 2021	Jul. 25, 2022	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Jul. 26, 2021	Nov. 18, 2021~ Dec. 14, 2021	Jul. 25, 2022	Radiation (03CH15-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 25, 2021	Nov. 18, 2021~ Dec. 14, 2021	May 24, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18-40GHz	Jun. 22, 2021	Nov. 18, 2021~ Dec. 14, 2021	Jun. 21, 2022	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 21, 2020	Nov. 18, 2021~ Dec. 14, 2021	Oct. 20, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 07, 2021	Nov. 18, 2021~ Dec. 14, 2021	May 06, 2022	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 18, 2021~ Dec. 14, 2021	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 18, 2021~ Dec. 14, 2021	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Nov. 18, 2021~ Dec. 14, 2021	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE, 508405/2E	30MHz~18G	Nov. 15, 2021	Nov. 18, 2021~ Dec. 14, 2021	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 22, 2021	Nov. 18, 2021~ Dec. 14, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 22, 2021	Nov. 18, 2021~ Dec. 14, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-153 0-6000-40ST	SN4	1.53GHz Low Pass Filter	Jul. 02, 2021	Nov. 18, 2021~ Dec. 14, 2021	Jul. 01, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5- 6750-18000-40S T	SN6	6.75GHz High Pass Filter	Jun. 30, 2021	Nov. 18, 2021~ Dec. 14, 2021	Jun. 29, 2022	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 01, 2021	Nov. 06. 2021~ Dec. 12, 2021	Feb. 28, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12	10MHz~6GHz	Dec. 16, 2020	Nov. 06. 2021~ Dec. 12, 2021	Dec. 15, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101907	10Hz ~ 40GHz	Aug. 13, 2021	Nov. 06. 2021~ Dec. 12, 2021	Aug. 12, 2022	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz~40GHz	Jan. 26, 2021	Nov. 06. 2021~ Dec. 12, 2021	Jan. 25, 2022	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	1240001	N/A	Oct. 28, 2021	Nov. 06. 2021~ Dec. 12, 2021	Oct. 27, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2021	Nov. 06. 2021~ Dec. 12, 2021	Mar. 16, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	E-Instrument	ETF-1405-0	EC1900157 (BOX6)	N/A	Apr. 29, 2021	Nov. 06. 2021~ Dec. 12, 2021	Apr. 28, 2022	Conducted (TH05-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.6 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu	Temperature:	21-25	°C
Test Date:	2021/11/6~2021/11/9	Relative Humidity:	51-54	%

Remark: For Conducted Test Items, Ant. 1 means Chain 0 (Aux.) and Ant. 2 means

TEST RESULTS DATA
EIRP Power Table

FCC Band V single antenna												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
				Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	5935	-1.50	-1.40		3.11	2.44	1.61	1.04	24.00	Pass
11a	6Mbps	1	5955	0.20	0.20		3.11	2.44	3.31	2.64	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

FCC Band VIII single antenna												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
				Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	7115	0.30	0.10		1.76	1.44	2.06	1.54	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

FCC Band V single antenna													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	1	5935	Full	-4.80	-4.70		3.11	2.44	-1.69	-2.26	24.00	Pass
HE20	MCS0	1	5935	26/0	-15.00	-15.20		3.11	2.44	-11.89	-12.76	24.00	Pass
HE20	MCS0	1	5935	242/61	-8.10	-8.20		3.11	2.44	-4.99	-5.76	24.00	Pass
HE20	MCS0	1	5955	Full	1.40	1.40		3.11	2.44	4.51	3.84	24.00	Pass
HE20	MCS0	1	5955	242/61	2.30	2.30		3.11	2.44	5.41	4.74	24.00	Pass
HE40	MCS0	1	5965	Full	4.30	4.40		3.11	2.44	7.41	6.84	24.00	Pass
HE40	MCS0	1	5965	484/65	5.40	5.60		3.11	2.44	8.51	8.04	24.00	Pass
HE160	MCS0	1	6025	Full	7.70	7.90		3.11	2.44	10.81	10.34	24.00	Pass
HE160	MCS0	1	6025	1991/68	10.40	10.60		3.11	2.44	13.51	13.04	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

FCC Band VII single antenna													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	1	6695	Full	1.40	1.70		1.60	1.31	3.00	3.01	24.00	Pass
HE20	MCS0	1	6695	26/4	-6.70	-6.70		1.60	1.31	-5.10	-5.39	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

Band VIII single antenna													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	1	7115	Full	-2.00	-2.30		1.76	1.44	-0.24	-0.86	24.00	Pass
HE20	MCS0	1	7115	26/8	-15.00	-15.10		1.76	1.44	-13.24	-13.66	24.00	Pass
HE20	MCS0	1	7115	242/61	-8.00	-8.00		1.76	1.44	-6.24	-6.56	24.00	Pass
HE40	MCS0	1	7085	Full	4.50	4.50		1.76	1.44	6.26	5.94	24.00	Pass
HE40	MCS0	1	7085	484/65	5.50	5.20		1.76	1.44	7.26	6.64	24.00	Pass

Report Number : FR1O1338D

Test Engineer:	Mina Liu	Temperature:	21-25	°C
Test Date:	2021/12/12	Relative Humidity:	51-54	%

Remark: For Conducted Test Items, Ant. 1 means Chain 0 (Aux.) and Ant. 2 means Chain 1 (Main).

TEST RESULTS DATA
EIRP Power Table

FCC Band VII MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
				Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
11a	6Mbps	2	6855	10.70	10.80	13.76	1.60		15.36	30.00	Pass

TEST RESULTS DATA
EIRP Power Table

FCC Band V MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
				Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
11a	6Mbps	2	5935	10.20	11.00	13.63	3.11		16.74	30.00	Pass
11a	6Mbps	2	5955	10.40	11.40	13.94	3.11		17.05	30.00	Pass

TEST RESULTS DATA
EIRP Power Table

FCC Band V MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
HE20	MCS0	2	5935	Full	-4.60	-4.50	-1.54	3.11		1.57	30.00	Pass
HE20	MCS0	2	5935	26/0	-15.60	-15.00	-12.28	3.11		-9.17	30.00	Pass
HE20	MCS0	2	5935	242/61	-8.10	-8.00	-5.04	3.11		-1.93	30.00	Pass
HE20	MCS0	2	5955	Full	10.30	11.30	13.84	3.11		16.95	30.00	Pass
HE20	MCS0	2	5955	242/61	10.30	11.40	13.90	3.11		17.01	30.00	Pass
HE40	MCS0	2	5965	Full	10.40	11.40	13.94	3.11		17.05	30.00	Pass
HE40	MCS0	2	5965	484/65	10.40	11.30	13.88	3.11		16.99	30.00	Pass
HE160	MCS0	2	6025	Full	10.20	11.20	13.74	3.11		16.85	30.00	Pass
HE160	MCS0	2	6025	1992/68	10.30	11.30	13.84	3.11		16.95	30.00	Pass

TEST RESULTS DATA
EIRP Power Table

FCC Band VII MIMO												
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	SUM		
HE20	MCS0	2	6695	Full	10.10	11.60	13.92	1.60		15.52	30.00	Pass
HE20	MCS0	2	6695	26/4	10.20	11.50	13.91	1.60		15.51	30.00	Pass
HE20	MCS0	2	6695	52/38	10.10	11.50	13.87	1.60		15.47	30.00	Pass
HE20	MCS0	2	6855	Full	10.60	10.70	13.66	1.60		15.26	30.00	Pass
HE20	MCS0	2	6855	26/8	10.80	10.40	13.61	1.60		15.21	30.00	Pass
HE20	MCS0	2	6855	242/61	10.70	10.40	13.56	1.60		15.16	30.00	Pass
HE40	MCS0	2	6845	Full	10.60	10.70	13.66	1.60		15.26	30.00	Pass
HE40	MCS0	2	6845	484/65	10.50	10.60	13.56	1.60		15.16	30.00	Pass



Appendix B. Radiated Spurious Emission

Test Engineer :	Leo Lee Mancy, Chou Bigshow and Wang	Temperature :	22.1~24.5°C
		Relative Humidity :	40~65%

Remark: For Radiated Spurious Emission Test Items, Ant. 1 means Chain 0 (Aux.) and Ant. 2 means Chain 1 (Main).

Band 5 - 5925~6425MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5924.96	63.95	-24.25	88.2	58.99	32.35	10.69	38.08	100	245	P	V
		5924.96	50.05	-18.15	68.2	45.09	32.35	10.69	38.08	100	245	A	V
	*	5935	89.01	-	-	84.04	32.37	10.69	38.09	100	245	P	V
	*	5935	80.96	-	-	75.99	32.37	10.69	38.09	100	245	A	V
													V
													V
													V
													V
													V
802.11a CH 02 5935MHz		5871.76	46.52	-41.68	88.2	41.7	32.24	10.65	38.07	100	246	P	V
		5915.58	35.02	-33.18	68.2	30.09	32.33	10.68	38.08	100	246	A	V
	*	5955	88.77	-	-	83.75	32.4	10.71	38.09	100	246	P	V
	*	5955	81.14	-	-	76.12	32.4	10.71	38.09	100	246	A	V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 01 5955MHz		5868.26	45.77	-42.43	88.2	40.95	32.24	10.65	38.07	100	245	P	V
		5916.56	35.06	-33.14	68.2	30.13	32.33	10.68	38.08	100	245	A	V
	*	5955	93.97	-	-	88.95	32.4	10.71	38.09	100	245	P	V
	*	5955	81.74	-	-	76.72	32.4	10.71	38.09	100	245	A	V
													V
													V
													V
													V
													V
													V
802.11ax HE20 Full CH 02 5935MHz		5924.96	69.51	-18.69	88.2	64.55	32.35	10.69	38.08	100	243	P	V
		5924.96	60.1	-8.1	68.2	55.14	32.35	10.69	38.08	100	243	A	V
	*	5935	88.32	-	-	83.35	32.37	10.69	38.09	100	243	P	V
	*	5935	76.93	-	-	71.96	32.37	10.69	38.09	100	243	A	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												

**Band 5 5925~6425MHz****WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 02 5935MHz		5924.96	70.45	-17.75	88.2	65.49	32.35	10.69	38.08	100	241	P	V
		5924.96	59.4	-8.8	68.2	54.44	32.35	10.69	38.08	100	241	A	V
	*	5935	83.79	-	-	78.82	32.37	10.69	38.09	100	241	P	V
	*	5935	74.94	-	-	69.97	32.37	10.69	38.09	100	241	A	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE20 Partial 242 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 242/61 CH 01 5955MHz		5896.54	45.69	-42.51	88.2	40.8	32.29	10.67	38.07	100	245	P	V
		5915.72	34.98	-33.22	68.2	30.05	32.33	10.68	38.08	100	245	A	V
	*	5955	87.22	-	-	82.2	32.4	10.71	38.09	100	245	P	V
	*	5955	73.69	-	-	68.67	32.4	10.71	38.09	100	245	A	V
													V
													V
													V
													V
													V
													V
802.11ax HE20 Partial 242/61 CH 02 5935MHz		5924.96	67.97	-20.23	88.2	63.01	32.35	10.69	38.08	100	240	P	V
		5924.96	58.6	-9.6	68.2	53.64	32.35	10.69	38.08	100	240	A	V
	*	5935	82.59	-	-	77.62	32.37	10.69	38.09	100	240	P	V
	*	5935	72.18	-	-	67.21	32.37	10.69	38.09	100	240	A	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 03 5965MHz		5890.86	45.46	-42.74	88.2	40.59	32.28	10.66	38.07	100	245	P	V
		5915.7	35.25	-32.95	68.2	30.32	32.33	10.68	38.08	100	245	A	V
	*	5965	92.98	-	-	87.96	32.4	10.72	38.1	100	245	P	V
	*	5965	82.55	-	-	77.53	32.4	10.72	38.1	100	245	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 5 5925~6425MHz****WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 484/65 CH 03 5965MHz		5925	46.45	-41.75	88.2	41.49	32.35	10.69	38.08	100	244	P	V
		5921.1	36.45	-31.75	68.2	31.51	32.34	10.68	38.08	100	244	A	V
	*	5965	92.34	-	-	87.32	32.4	10.72	38.1	100	244	P	V
	*	5965	81.99	-	-	76.97	32.4	10.72	38.1	100	244	A	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 5 5925~6425MHz****WIFI 802.11ax HE160 Full (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 15 6025MHz		5890.28	51.87	-36.33	88.2	47	32.28	10.66	38.07	100	251	P	V
		5883.24	40.45	-27.75	68.2	35.59	32.27	10.66	38.07	100	251	A	V
	*	6025	92.83	-	-	87.67	32.55	10.76	38.15	100	251	P	V
	*	6025	82.64	-	-	77.48	32.55	10.76	38.15	100	251	A	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 5 5925~6425MHz****WIFI 802.11ax HE160 Partial 1992 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 1992/68 CH 15 6025MHz		5898.92	65.6	-22.6	88.2	60.71	32.3	10.67	38.08	100	257	P	V
		5867.24	50.33	-17.87	68.2	45.51	32.23	10.65	38.06	100	257	A	V
	*	6025	94.65	-	-	89.49	32.55	10.76	38.15	100	257	P	V
	*	6025	84.31	-	-	79.15	32.55	10.76	38.15	100	257	A	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 7 - 6525~6875MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

[illegible]



WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/4 CH 149 6695MHz		10904	50.06	-23.94	74	56.26	40.41	14.13	60.87	-	-	P	H
		10904	40.28	-13.72	54	46.48	40.41	14.13	60.87	-	-	A	H
		13392	47.17	-26.83	74	53.59	39.86	15.58	62.04	-	-	P	H
		14480	50.13	-23.87	74	55.48	41.34	16.2	63.18	-	-	P	H
		14480	41.35	-12.65	54	46.7	41.34	16.2	63.18	-	-	A	H
		17992	58.08	-15.92	74	48.68	48.24	18.23	57.26	-	-	P	H
		17992	48.3	-5.7	54	38.9	48.24	18.23	57.26	-	-	A	H
		20085	36.43	-37.57	74	57.18	37.67	6.02	54.9	-	-	P	H
													V
													V
													V
													V
													V
		10912	50.21	-23.79	74	56.4	40.42	14.26	60.87	-	-	P	V
		10912	40.43	-13.57	54	46.62	40.42	14.26	60.87	-	-	A	V
		13390	47.38	-26.62	74	53.81	39.85	15.76	62.04	-	-	P	V
		14496	50.4	-23.6	74	55.68	41.39	16.5	63.17	-	-	P	V
		14496	41.62	-12.38	54	46.9	41.39	16.5	63.17	-	-	A	V
		18000	57.88	-16.12	74	48.29	48.4	18.43	57.24	-	-	P	V
		18000	48	-6	54	38.41	48.4	18.43	57.24	-	-	A	V
		20085	36.94	-37.06	74	57.69	37.67	-3.52	54.9	-	-	P	V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



Band 8 - 6875~7125MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 233 7125MHz	*	7115	91.11	-	-	84.36	35.76	11.63	40.64	100	238	P	V
	*	7115	83.74	-	-	76.99	35.76	11.63	40.64	100	238	A	V
		7125.02	63.95	-24.25	88.2	57.19	35.8	11.64	40.68	100	238	P	V
		7125.02	52.83	-15.37	68.2	46.07	35.8	11.64	40.68	100	238	A	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 8 - 6875~7125MHz****WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 233 7125MHz	*	7115	91.55	-	-	84.8	35.76	11.63	40.64	100	239	P	V
	*	7115	81.41	-	-	74.66	35.76	11.63	40.64	100	239	A	V
		7125.16	71.35	-16.85	88.2	64.59	35.8	11.64	40.68	100	239	P	V
		7125.02	67.27	-0.93	68.2	60.51	35.8	11.64	40.68	100	239	A	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 8 - 6875~7125MHz****WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/8 CH 233 7125MHz	*	7115	83.51	-	-	76.76	35.76	11.63	40.64	100	239	P	V
	*	7115	75.19	-	-	68.44	35.76	11.63	40.64	100	239	A	V
		7125.02	71.49	-16.71	88.2	64.73	35.8	11.64	40.68	100	239	P	V
		7125.02	64.27	-3.93	68.2	57.51	35.8	11.64	40.68	100	239	A	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 8 - 6875~7125MHz

WIFI 802.11ax HE20 Partial 242 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 242/61 CH 233 7125MHz	*	7115	84.34	-	-	77.59	35.76	11.63	40.64	100	238	P	V
	*	7115	73.97	-	-	67.22	35.76	11.63	40.64	100	238	A	V
		7125.02	68.36	-19.84	88.2	61.6	35.8	11.64	40.68	100	238	P	V
		7125.02	63.43	-4.77	68.2	56.67	35.8	11.64	40.68	100	238	A	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 8 - 6875~7125MHz****WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 227 7085MHz	*	7085	95.18	-	-	88.47	35.64	11.6	40.53	100	239	P	V
	*	7085	85.59	-	-	78.88	35.64	11.6	40.53	100	239	A	V
		7203.24	48.76	-39.44	88.2	42	36.02	11.7	40.96	100	239	P	V
		7150.14	37.59	-30.61	68.2	30.8	35.9	11.66	40.77	100	239	A	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 8 - 6875~7125MHz****WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 484/65 CH 227 7085MHz	*	7085	94.16	-	-	87.45	35.64	11.6	40.53	100	238	P	V
	*	7085	84.49	-	-	77.78	35.64	11.6	40.53	100	238	A	V
		7129.62	50.99	-37.21	88.2	44.22	35.82	11.64	40.69	100	238	P	V
		7128.18	37.88	-30.32	68.2	31.12	35.81	11.64	40.69	100	238	A	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 - 5925~6425MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5822.76	50.1	-38.1	88.2	42.13	32.15	10.62	34.8	100	357	P	V
		5923.56	39.59	-28.61	68.2	31.15	32.35	10.69	34.6	100	357	A	V
	*	5955	101.7	-	-	93.13	32.4	10.71	34.54	100	357	P	V
	*	5955	94.15	-	-	85.58	32.4	10.71	34.54	100	357	A	V
													V
													V
													V
													V
													V
													V
													V
													V
802.11a CH 02 5935MHz		5925	76.46	-11.74	88.2	68.02	32.35	10.69	34.6	100	245	P	V
		5925	64.15	-4.05	68.2	55.71	32.35	10.69	34.6	100	245	A	V
	*	5935	101.7	-	-	93.22	32.37	10.69	34.58	100	245	P	V
	*	5935	94.04	-	-	85.56	32.37	10.69	34.58	100	245	A	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

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 01 5955MHz		5890.6	50.16	-38.04	88.2	41.89	32.28	10.66	34.67	100	357	P	V
		5923.56	39.77	-28.43	68.2	31.33	32.35	10.69	34.6	100	357	A	V
	*	5955	104.42	-	-	95.85	32.4	10.71	34.54	100	357	P	V
	*	5955	93.71	-	-	85.14	32.4	10.71	34.54	100	357	A	V
													V
													V
													V
													V
													V
													V
802.11ax HE20 Full CH 02 5935MHz		5924.96	68.25	-19.95	88.2	59.81	32.35	10.69	34.6	100	245	P	V
		5924.96	60.85	-7.35	68.2	52.41	32.35	10.69	34.6	100	245	A	V
	*	5935	89.8	-	-	81.32	32.37	10.69	34.58	100	245	P	V
	*	5935	78.1	-	-	69.62	32.37	10.69	34.58	100	245	A	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE20 Partial 26 (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 26/0 CH 02 5935MHz		5924.96	67.67	-20.53	88.2	59.23	32.35	10.69	34.6	100	244	P	V
		5924.96	57.87	-10.33	68.2	49.43	32.35	10.69	34.6	100	244	A	V
	*	5935	81.73	-	-	73.25	32.37	10.69	34.58	100	244	P	V
	*	5935	73.37	-	-	64.89	32.37	10.69	34.58	100	244	A	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE20 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 HE20 Partial 242/61 CH 01 5955MHz		5924.52	53.32	-34.88	88.2	44.88	32.35	10.69	34.6	100	344	P	V
		5924.84	40.43	-27.77	68.2	31.99	32.35	10.69	34.6	100	344	A	V
	*	5955	102.19	-	-	93.62	32.4	10.71	34.54	100	344	P	V
	*	5955	91.72	-	-	83.15	32.4	10.71	34.54	100	344	A	V
													V
													V
													V
													V
													V
													V
													V
													V
802.11ax HE20 Partial 242/61 CH 02 5935MHz		5924.96	67.5	-20.7	88.2	59.06	32.35	10.69	34.6	100	244	P	V
		5924.96	59.5	-8.7	68.2	51.06	32.35	10.69	34.6	100	244	A	V
	*	5935	83.62	-	-	75.14	32.37	10.69	34.58	100	244	P	V
	*	5935	73.41	-	-	64.93	32.37	10.69	34.58	100	244	A	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

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

[illegible]

**Band 5 5925~6425MHz****WIFI 802.11ax HE40 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 HE40 Partial 484/65 CH 03 5965MHz		5915.88	59.15	-29.05	88.2	50.76	32.33	10.68	34.62	100	245	P	V
		5925	46.62	-21.58	68.2	38.18	32.35	10.69	34.6	100	245	A	V
	*	5965	98.04	-	-	89.44	32.4	10.72	34.52	100	245	P	V
	*	5965	88.77	-	-	80.17	32.4	10.72	34.52	100	245	A	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 5 5925~6425MHz****WIFI 802.11ax HE160 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 HE160 Full CH 15 6025MHz		5922.28	61.8	-26.4	88.2	52.41	32.34	10.69	33.64	100	113	P	V
		5920.68	52.22	-15.98	68.2	42.84	32.34	10.68	33.64	100	113	A	V
	*	6025	98.45	-	-	88.8	32.55	10.76	33.66	100	113	P	V
	*	6025	89.6	-	-	79.95	32.55	10.76	33.66	100	113	A	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												

**Band 5 5925~6425MHz****WIFI 802.11ax HE160 Partial 1992 (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 HE160 Partial 1992/68 CH 15 6025MHz		5896.68	71.16	-17.04	88.2	61.84	32.29	10.67	33.64	100	224	P	V
		5908.84	57.66	-10.54	68.2	48.3	32.32	10.68	33.64	100	224	A	V
	*	6025	97.12	-	-	87.47	32.55	10.76	33.66	100	224	P	V
	*	6025	87.66	-	-	78.01	32.55	10.76	33.66	100	224	A	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 7 - 6525~6875MHz
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 181 6855MHz	*	6855	103.59	-	-	91.63	34.43	11.41	33.88	100	262	P	V
	*	6855	96.1	-	-	84.14	34.43	11.41	33.88	100	262	A	V
		7183.09	58.01	-30.19	88.2	44.32	35.97	11.69	33.97	100	262	P	V
		7236.39	46.4	-21.8	68.2	32.44	36.22	11.72	33.98	100	262	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 7 - 6525~6875MHz****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 181 6855MHz	*	6855	104.67	-	-	92.71	34.43	11.41	33.88	100	262	P	V
	*	6855	96.91	-	-	84.95	34.43	11.41	33.88	100	262	A	V
		7171.2	57.18	-31.02	88.2	43.52	35.94	11.68	33.96	100	262	P	V
		7239.67	46.27	-21.93	68.2	32.29	36.24	11.72	33.98	100	262	A	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 7 - 6525~6875MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2				(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 149 6695MHz		11000	49.96	-24.04	74	55.91	40.6	14.18	60.86	-	-	P	H
		11000	39.94	-14.06	54	45.89	40.6	14.18	60.86	-	-	A	H
		13390	46.82	-27.18	74	53.25	39.85	15.58	62.04	-	-	P	H
		14480	50.03	-23.97	74	55.38	41.34	16.2	63.18	-	-	P	H
		14480	40.01	-13.99	54	45.36	41.34	16.2	63.18	-	-	A	H
		18000	58.15	-15.85	74	48.56	48.4	18.24	57.24	-	-	P	H
		18000	48.18	-5.82	54	38.59	48.4	18.24	57.24	-	-	A	H
		20085	36.66	-37.34	74	57.41	37.67	6.02	54.9	-	-	P	H
													H
													H
													H
													H
		10872	49.99	-24.01	74	56.29	40.34	14.11	60.88	-	-	P	V
		10872	40	-14	54	46.3	40.34	14.11	60.88	-	-	A	V
		13390	46.49	-27.51	74	52.92	39.85	15.58	62.04	-	-	P	V
		14472	50.04	-23.96	74	55.41	41.32	16.2	63.18	-	-	P	V
		14472	40.08	-13.92	54	45.45	41.32	16.2	63.18	-	-	A	V
		17992	57.03	-16.97	74	47.63	48.24	18.23	57.26	-	-	P	V
		17992	47.57	-6.43	54	38.17	48.24	18.23	57.26	-	-	A	V
		20085	37.93	-36.07	74	58.68	37.67	6.02	54.9	-	-	P	V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



Band 7 - 6525~6875MHz

WIFI 802.11ax HE20 Partial 26 (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 26/8 CH 181 6855MHz	*	6855	112.93	-	-	100.97	34.43	11.41	33.88	100	262	P	V
	*	6855	104.67	-	-	92.71	34.43	11.41	33.88	100	262	A	V
		7168.33	57.5	-30.7	88.2	43.85	35.94	11.67	33.96	100	262	P	V
		7244.59	46.22	-21.98	68.2	32.21	36.27	11.72	33.98	100	262	A	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 7 - 6525~6875MHz

WIFI 802.11ax HE20 Partial 26 (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 26/4 CH 149 6695MHz		10936	50.04	-23.96	74	56.17	40.47	14.14	60.87	-	-	P	H
		10936	40.01	-13.99	54	46.14	40.47	14.14	60.87	-	-	A	H
		13390	46.21	-27.79	74	52.64	39.85	15.58	62.04	-	-	P	H
		14472	49.9	-24.1	74	55.27	41.32	16.2	63.18	-	-	P	H
		14472	39.88	-14.12	54	45.25	41.32	16.2	63.18	-	-	A	H
		18000	57.43	-16.57	74	47.84	48.4	18.24	57.24	-	-	P	H
		18000	47.41	-6.59	54	37.82	48.4	18.24	57.24	-	-	A	H
		20085	36.68	-37.32	74	57.43	37.67	6.02	54.9	-	-	P	H
													H
													H
													H
													H
		10888	50.34	-23.66	74	56.59	40.38	14.12	60.88	-	-	P	V
		10888	40.26	-13.74	54	46.51	40.38	14.12	60.88	-	-	A	V
		13390	47.23	-26.77	74	53.66	39.85	15.58	62.04	-	-	P	V
		14480	49.4	-24.6	74	54.75	41.34	16.2	63.18	-	-	P	V
		14480	39.37	-14.63	54	44.72	41.34	16.2	63.18	-	-	A	V
		17976	57.68	-16.32	74	48.65	47.92	18.22	57.3	-	-	P	V
		17976	47.66	-6.34	54	38.63	47.92	18.22	57.3	-	-	A	V
		20085	37.19	-36.81	74	57.94	37.67	6.02	54.9	-	-	P	V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

**Band 7 - 6525~6875MHz****WIFI 802.11ax HE20 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 HE20 Partial 242/61 CH 181 6855MHz	*	6855	112.93	-	-	100.97	34.43	11.41	33.88	100	262	P	V
	*	6855	104.67	-	-	92.71	34.43	11.41	33.88	100	262	A	V
		7168.33	57.5	-30.7	88.2	43.85	35.94	11.67	33.96	100	262	P	V
		7244.59	46.22	-21.98	68.2	32.21	36.27	11.72	33.98	100	262	A	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 7 - 6525~6875MHz

WIFI 802.11ax HE20 Partial 242 (Harmonic @ 3m)

[illegible]



Band 7 - 6525~6875MHz

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 179 6845MHz	*	6845	101.59	-	-	89.67	34.39	11.41	33.88	100	259	P	V
	*	6845	92.37	-	-	80.45	34.39	11.41	33.88	100	259	A	V
		7231.06	57.32	-30.88	88.2	43.39	36.19	11.72	33.98	100	259	P	V
		7244.59	46.24	-21.96	68.2	32.23	36.27	11.72	33.98	100	259	A	V
													V
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													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 7 - 6525~6875MHz****WIFI 802.11ax HE40 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 HE40 Partial 484/65 CH 179 6845MHz	*	6845	102.04	-	-	90.12	34.39	11.41	33.88	100	262	P	V
	*	6845	92.3	-	-	80.38	34.39	11.41	33.88	100	262	A	V
		7218.35	57.44	-30.76	88.2	43.6	36.11	11.71	33.98	100	262	P	V
		7245	46.27	-21.93	68.2	32.26	36.27	11.72	33.98	100	262	A	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Note symbol

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



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		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Over Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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

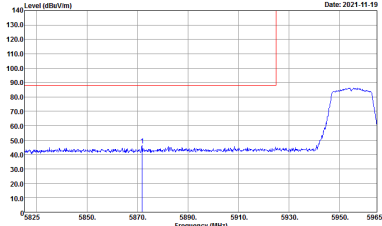
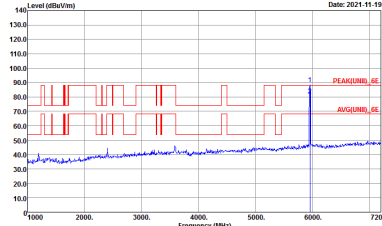
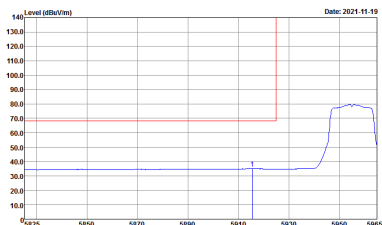


Appendix C. Radiated Spurious Emission Plots

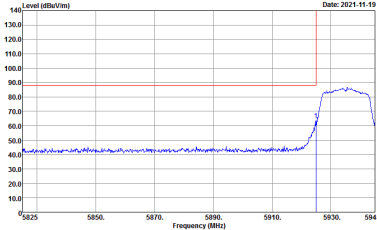
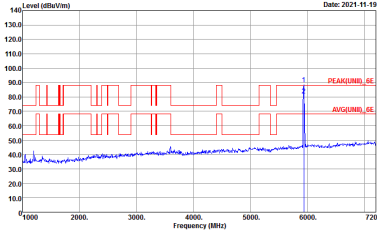
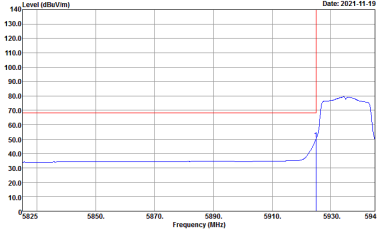
Test Engineer :	Leo Lee Mancy, Chou Bigshow and Wang	Temperature :	22.1~24.5°C
		Relative Humidity :	40~65%

Remark: For Radiated Spurious Emission Test Items, Ant. 1 means Chain 0 (Aux.) and Ant. 2 means Chain 1 (Main).

Band 5 - 5925~6425MHz
WIFI 802.11a (Band Edge @ 3m)

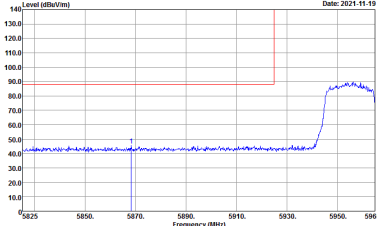
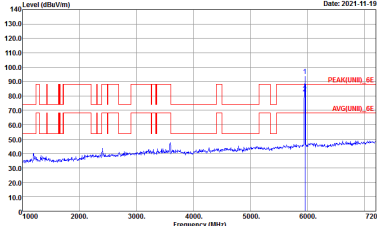
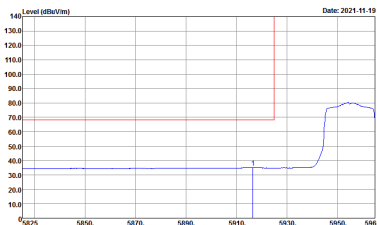
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
1	Vertical	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



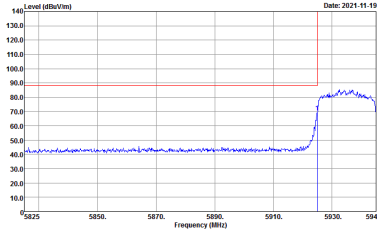
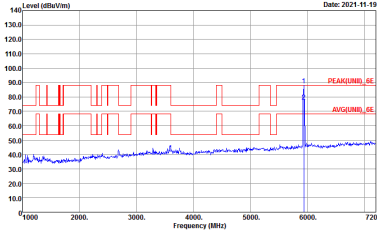
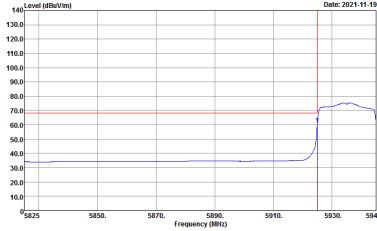
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH02 5935MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



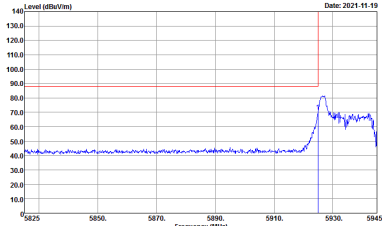
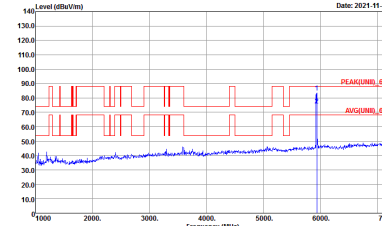
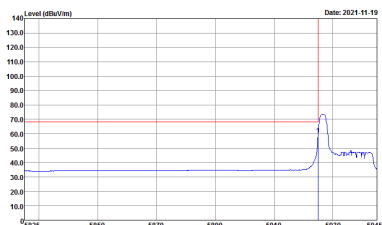
Band 5 5925~6425MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



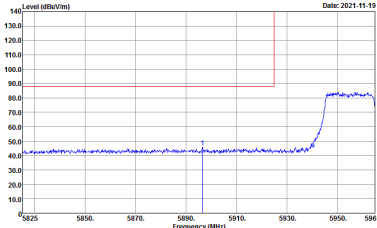
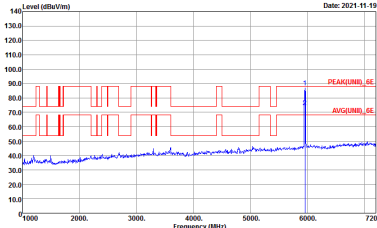
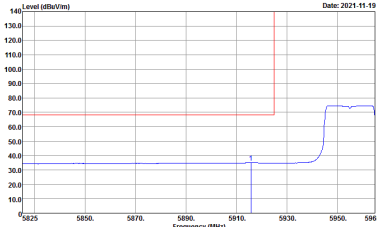
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH02 5935MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

Band 5 5925~6425MHz
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

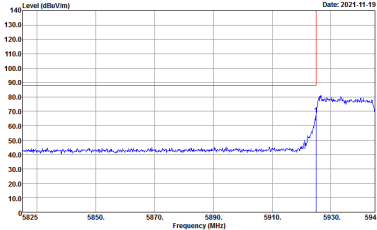
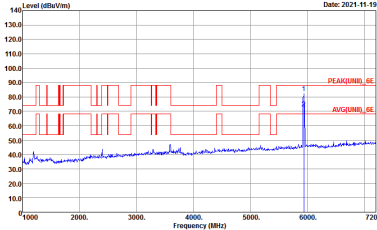
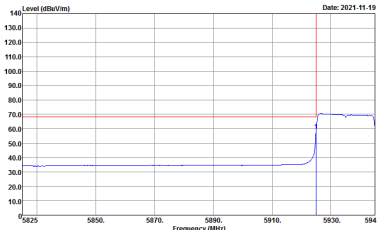
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH02 5935MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



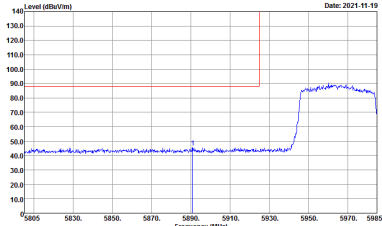
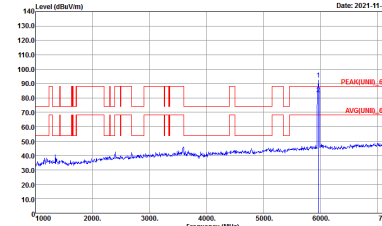
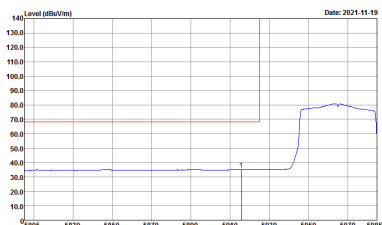
Band 5 5925~6425MHz
WIFI 802.11ax HE20 Partial 242 (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH01 5955MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

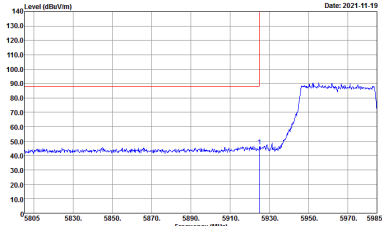
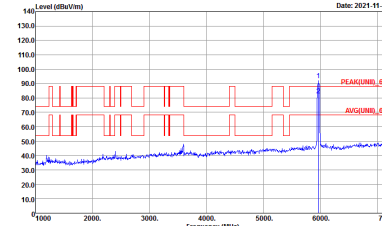
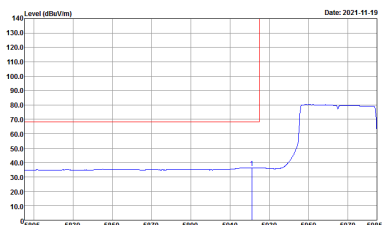


WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH02 5935MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

Band 5 5925~6425MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

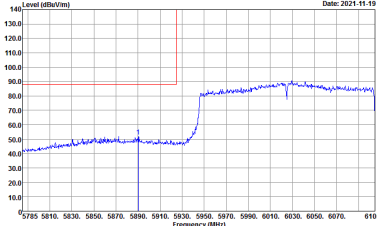
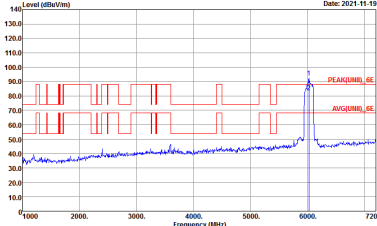
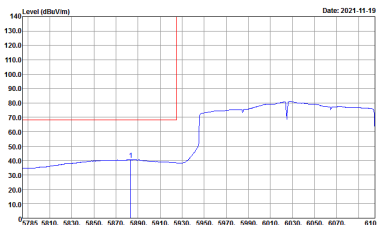
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

Band 5 5925~6425MHz
WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)

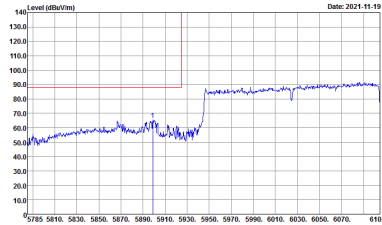
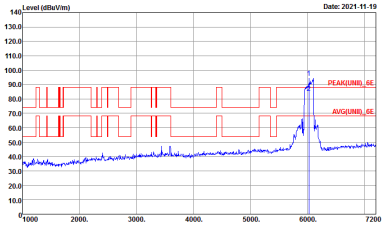
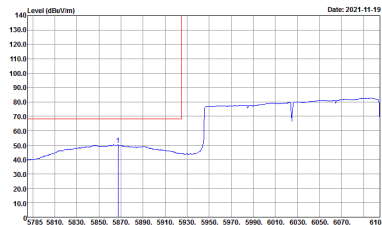
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH03 5965MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



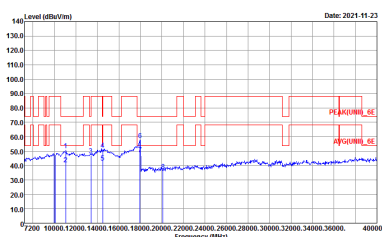
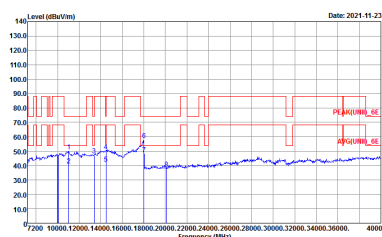
Band 5 5925~6425MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

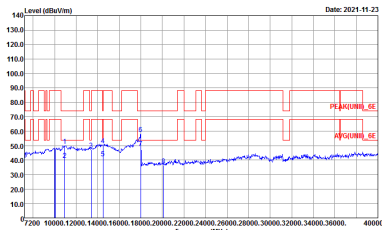
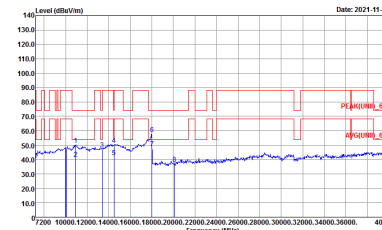
Band 5 5925~6425MHz
WIFI 802.11ax HE160 Partial 1992 (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 1992/68 CH15 6025MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

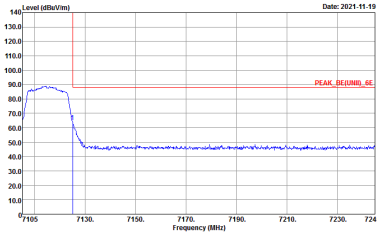
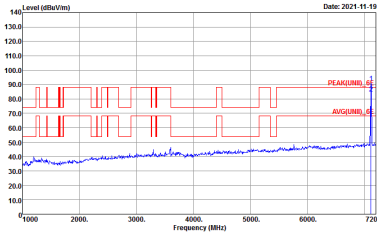
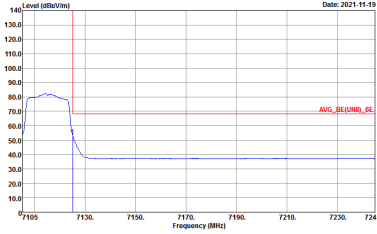
Band 7 - 6525~6875MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 6695MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : PEAK(UNIT)_6E 1m SHF HORN_00991_21051 HORIZONTAL Detector : Peak	 Site : 03CHI5-HY Condition : PEAK(UNIT)_6E 1m SHF HORN_00991_21051 VERTICAL Detector : Peak

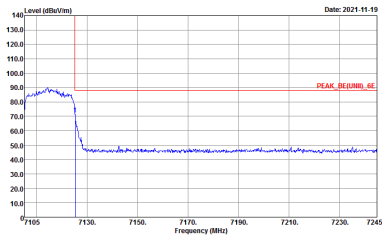
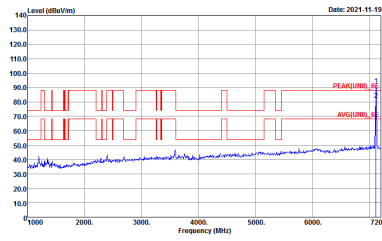
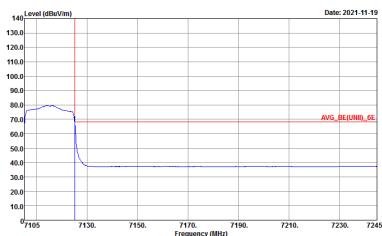
Band 7 6525~6875MHz
WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax Partial 26/4 CH149 6695MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 1m SHF HORN_00991_21051 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 1m SHF HORN_00991_21051 VERTICAL Detector : Peak

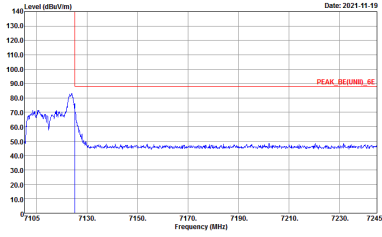
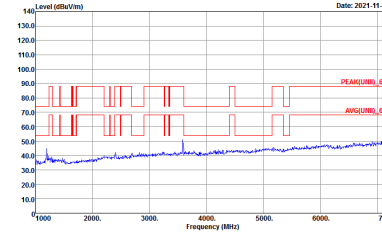
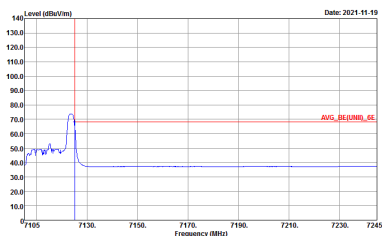
Band 8 - 6875~7125MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11a CH233 7125MHz	
1	Vertical	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

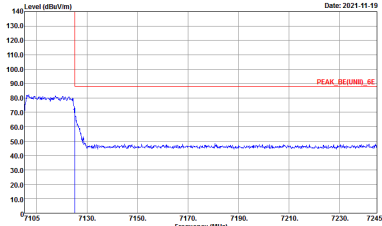
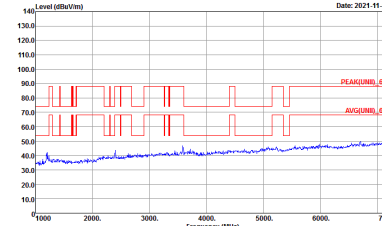
Band 8 - 6875~7125MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH233 7125MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

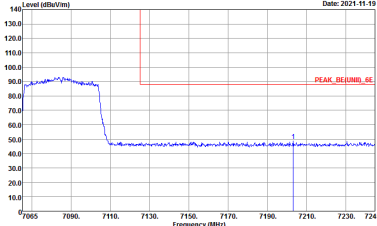
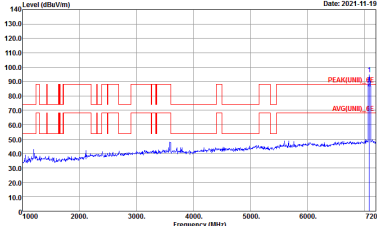
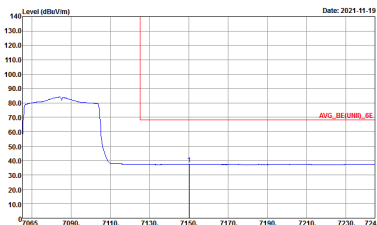
Band 8 - 6875~7125MHz
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH233 7115MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

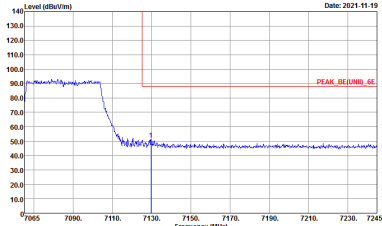
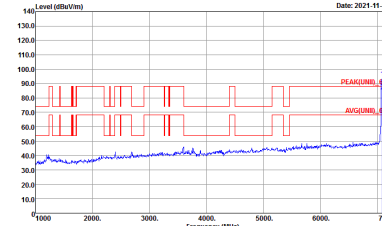
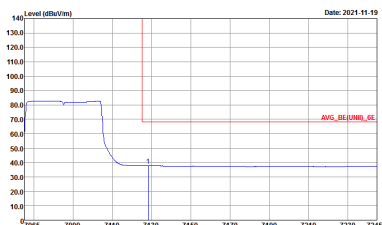
Band 8 - 6875~7125MHz
WIFI 802.11ax HE20 Partial 242 (Band Edge @ 3m)

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH233 7115MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

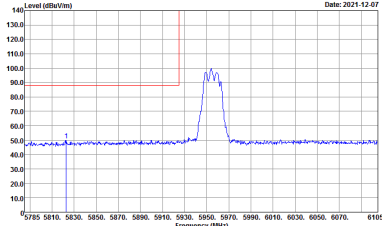
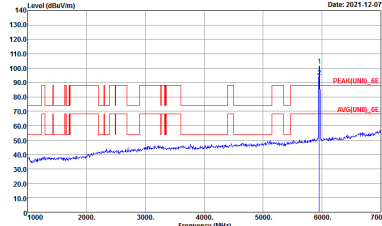
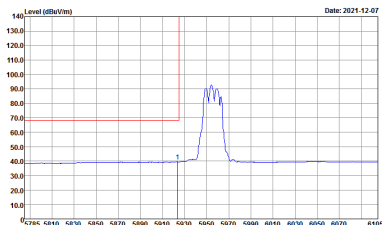
Band 8 - 6875~7125MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH227 7085MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

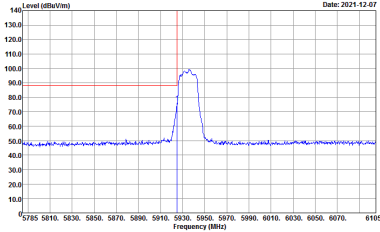
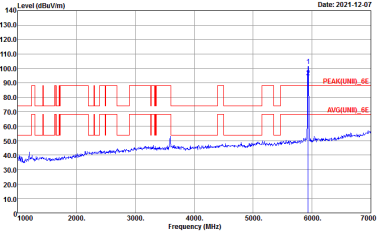
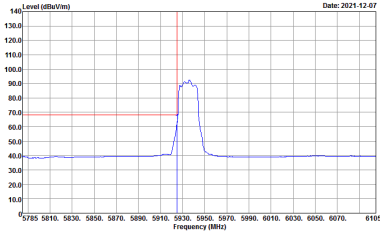
Band 8 - 6875~7125MHz
WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH227 7085MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

Band 5 - 5925~6425MHz
WIFI 802.11a (Band Edge @ 3m)

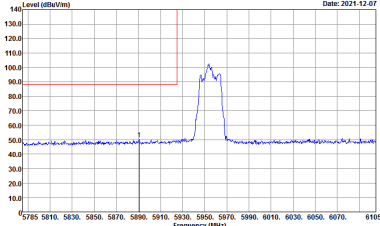
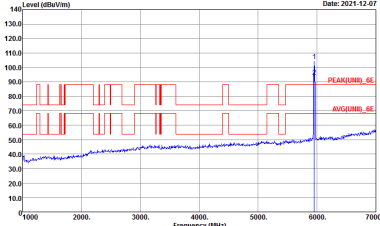
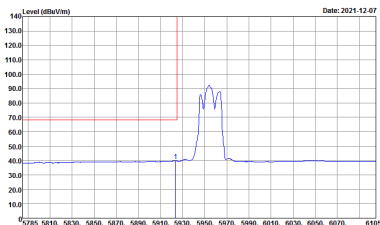
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



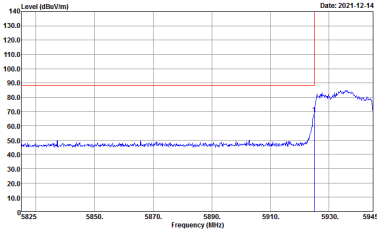
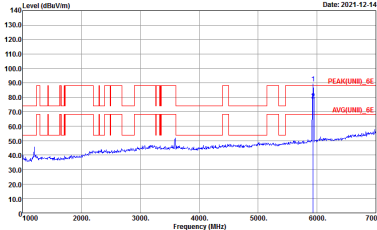
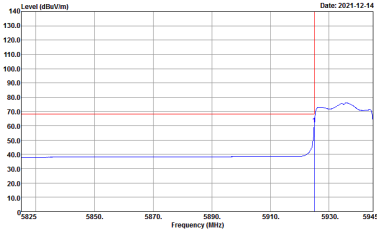
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH02 5935MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



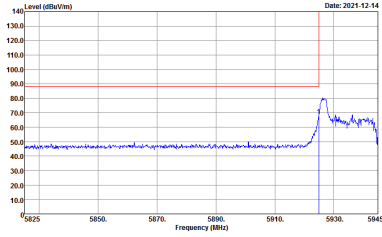
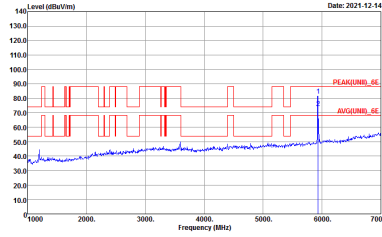
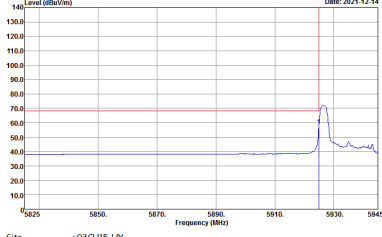
Band 5 5925~6425MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

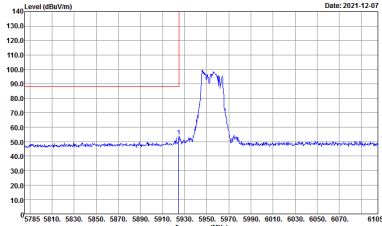
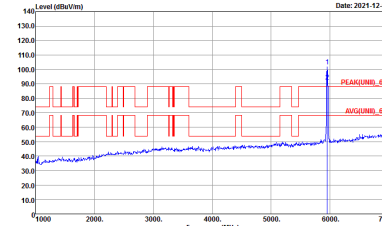
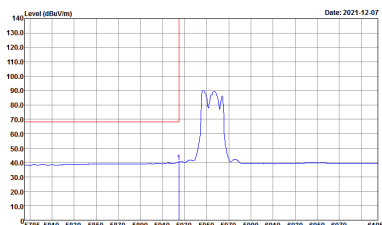


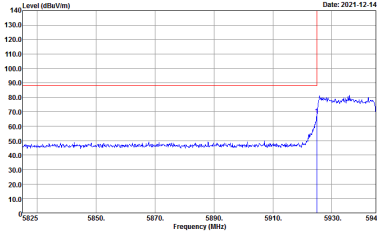
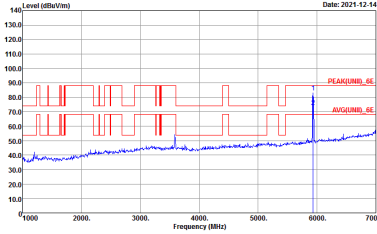
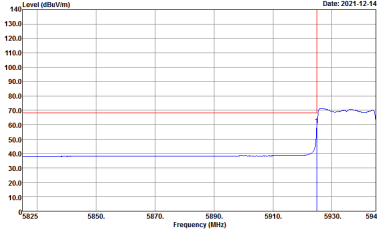
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH02 5935MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

Band 5 5925~6425MHz
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH02 5935MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

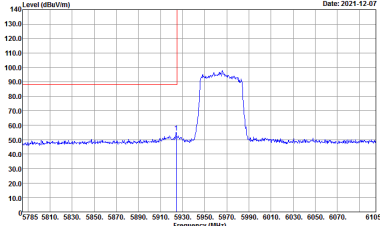
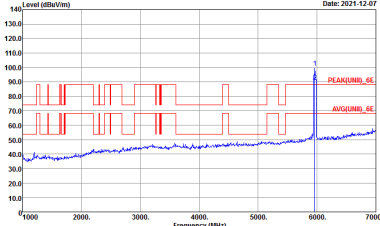
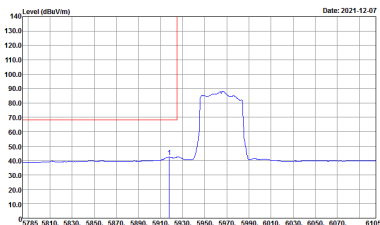
Band 5 5925~6425MHz
WIFI 802.11ax HE20 Partial 242 (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH01 5955MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH02 5935MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

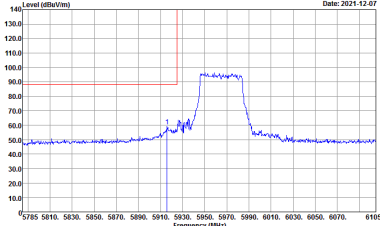
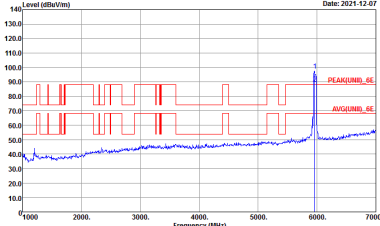
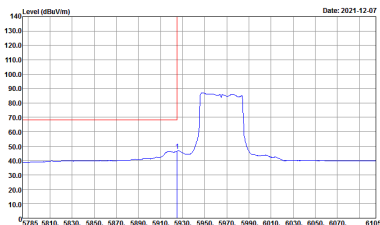


Band 5 5925~6425MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

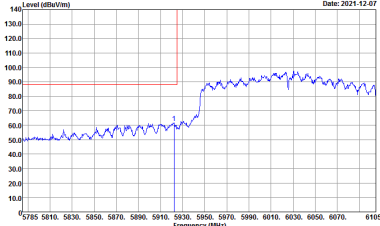
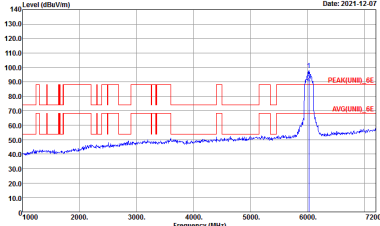
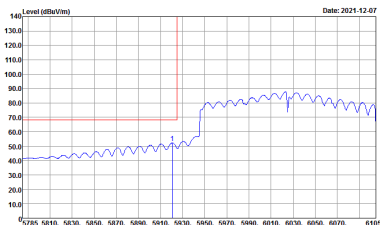


Band 5 5925~6425MHz
WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH03 5965MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

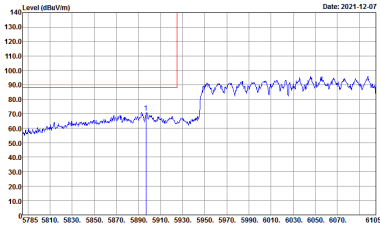
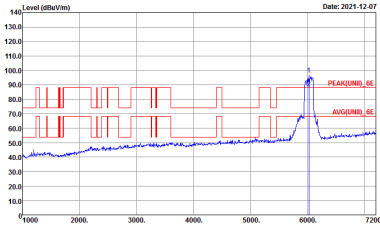
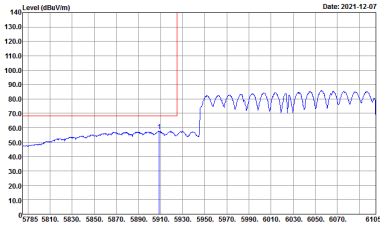


Band 5 5925~6425MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

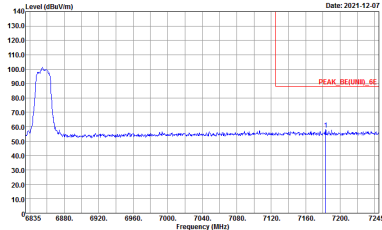
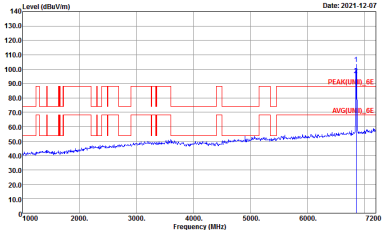
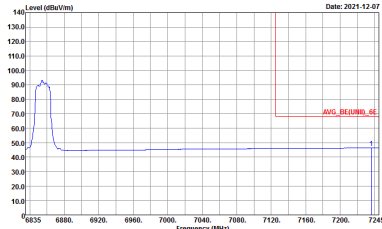
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL Detector : Peak
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_6E 3m 91200_1620_20211025 VERTICAL Detector : Peak	Left blank



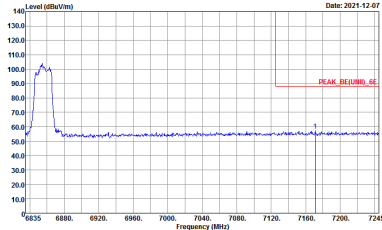
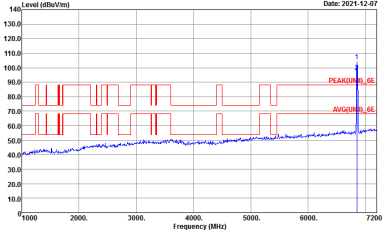
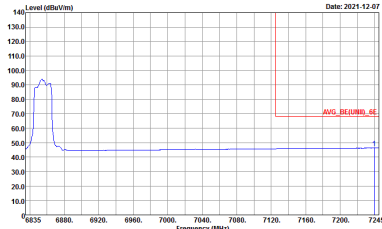
Band 5 5925~6425MHz
WIFI 802.11ax HE160 Partial 1992 (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 1992/68 CH15 6025MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT1)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT1)_6E 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

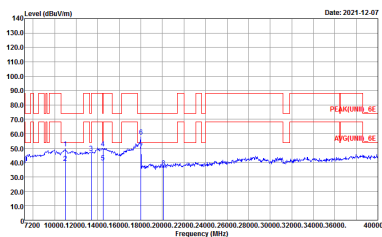
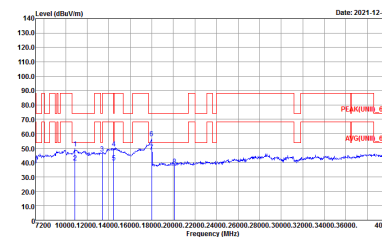
Band 7 - 6525~6875MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 7 6525~6875MHz BE @ 3m	
ANT	802.11a CH181 6855MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

Band 7 - 6525~6875MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 7 6525~6875MHz BE @ 3m	
ANT	802.11ax HE20 Full CH181 6855MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:3000.000KHz VBW:0.010KHz SWT:Auto	Left blank

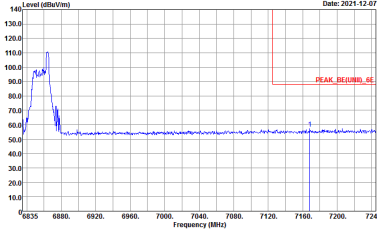
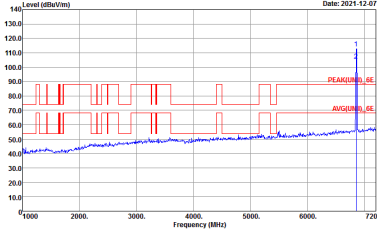
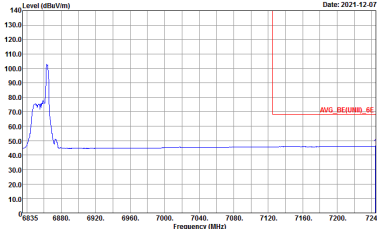
Band 7 - 6525~6875MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 6695MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	 Site : 03CHI5-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 VERTICAL Detector : Peak

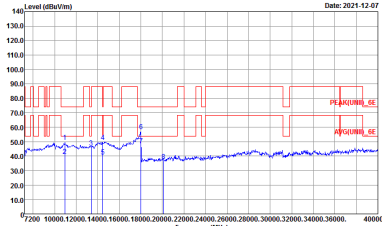
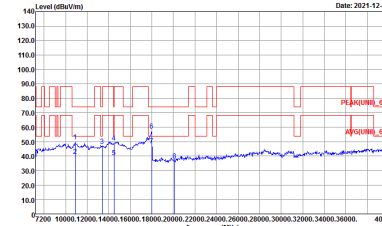


Band 7 - 6525~6875MHz

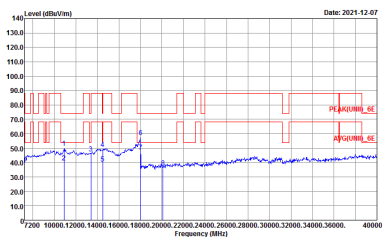
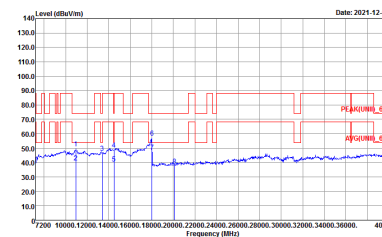
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	Band 7 6525~6875MHz BE @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH181 6855MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

Band 7 6525~6875MHz
WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax Partial 26/4 CH149 6695MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK(UNIT)_6E 3m 91200_1620_20211025 VERTICAL Detector : Peak

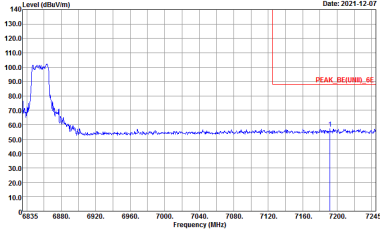
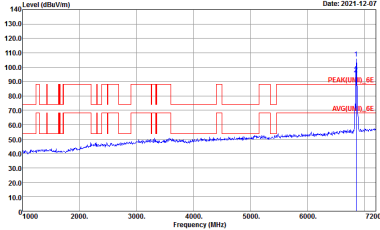
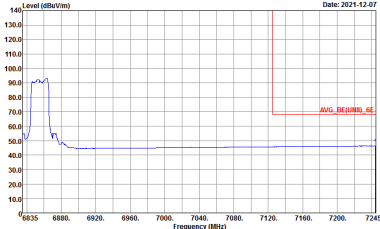
Band 7 - 6525~6875MHz
WIFI 802.11ax HE20 Partial 242 (Harmonic @ 3m)

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax Partial 242/61 CH149 6695MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 VERTICAL Detector : Peak



Band 7 - 6525~6875MHz

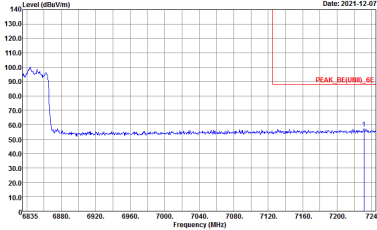
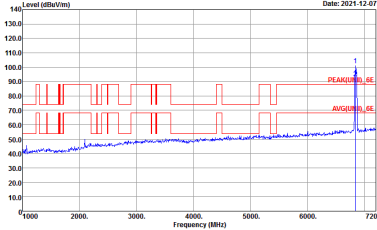
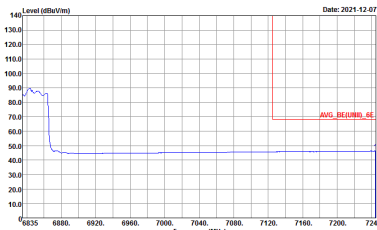
WIFI 802.11ax HE20 Partial 242 (Band Edge @ 3m)

WIFI	Band 7 6525~6875MHz BE @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH181 6855MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



Band 7 - 6525~6875MHz

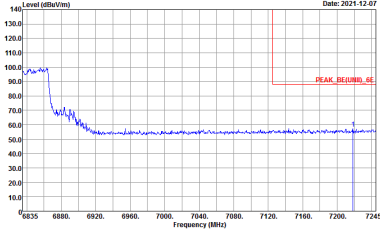
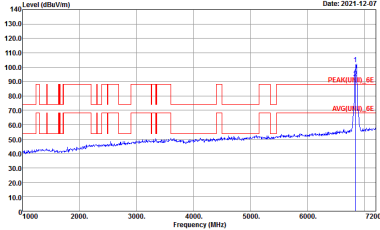
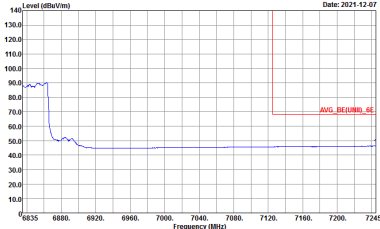
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 7 6525~6875MHz BE @ 3m	
ANT	802.11ax HE40 Full CH179 6845MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



Band 7 - 6525~6875MHz

WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)

WIFI	Band 7 6525~6875MHz BE @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH179 6845MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_AE 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

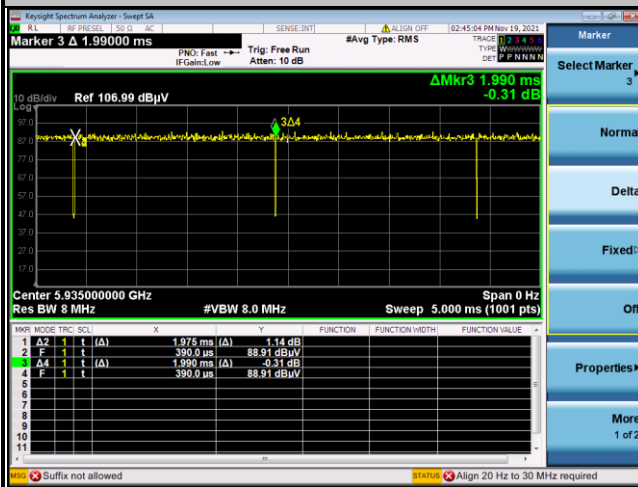
Appendix D. Duty Cycle Plots

Chain	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
0	802.11a	99.25	-	-	10Hz
0	6GHz 802.11ax HE20 Full RU	99.45	-	-	10Hz
0	6GHz 802.11ax HE20 26 RU	98.54	-	-	10Hz
0	6GHz 802.11ax HE20 242 RU	99.57	-	-	10Hz
0	6GHz 802.11ax HE40 Full RU	98.97	-	-	10Hz
0	6GHz 802.11ax HE40 484 RU	98.51	-	-	10Hz
0	6GHz 802.11ax HE160 Full RU	98.40	-	-	10Hz
0	6GHz 802.11ax HE160 1992 RU	98.16	-	-	10Hz
0+1	802.11a	99.25	-	-	10Hz
0+1	6GHz 802.11ax HE20 Full RU	100.00	-	-	10Hz
0+1	6GHz 802.11ax HE20 26 RU	98.54	-	-	10Hz
0+1	6GHz 802.11ax HE20 242 RU	99.53	-	-	10Hz
0+1	6GHz 802.11ax HE40 Full RU	99.38	-	-	10Hz
0+1	6GHz 802.11ax HE40 484 RU	99.40	-	-	10Hz
0+1	6GHz 802.11ax HE160 Full RU	98.40	-	-	10Hz
0+1	6GHz 802.11ax HE160 1992 RU	98.16	-	-	10Hz

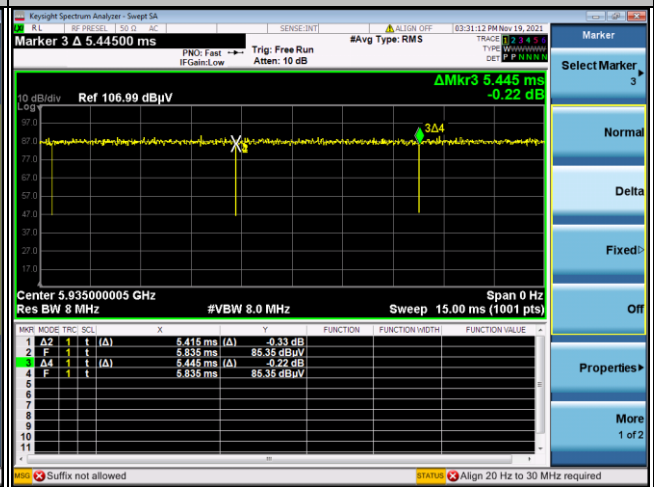


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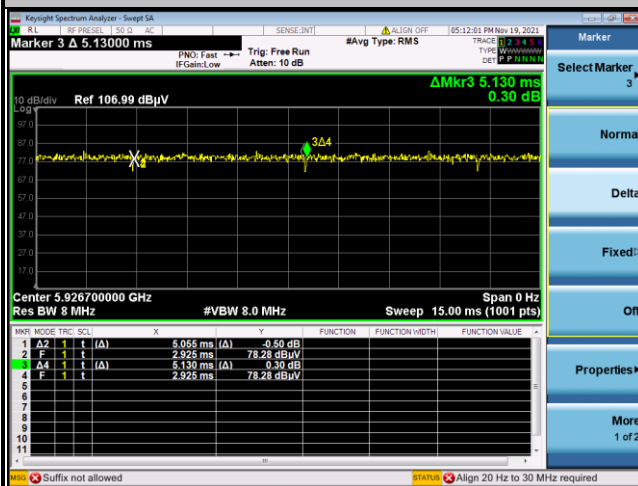
802.11a



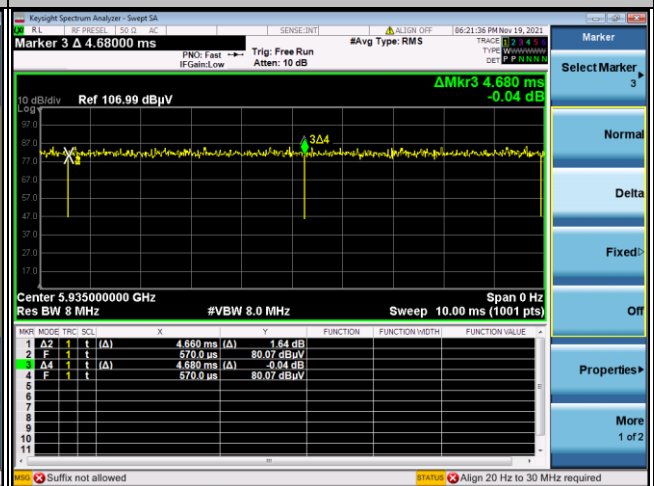
802.11ax HE20 Full RU



802.11ax HE20 26 RU

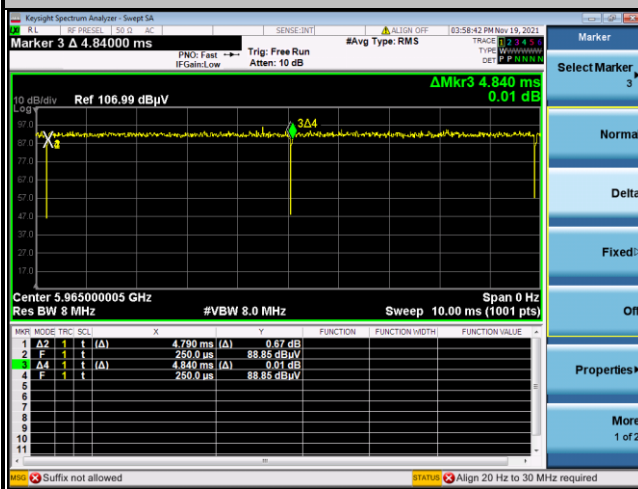


802.11ax HE20 242 RU

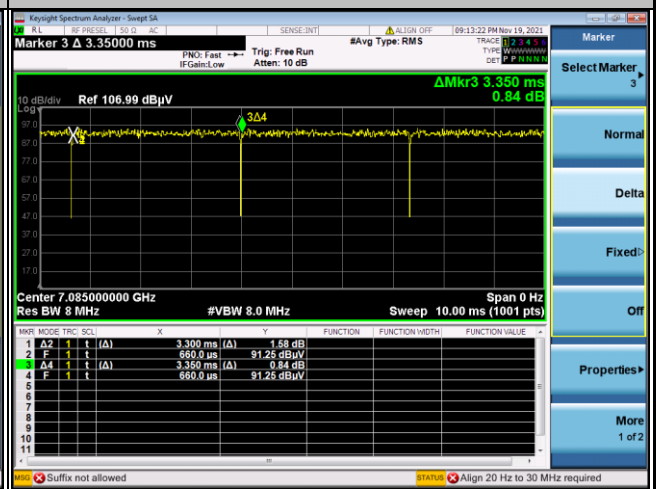




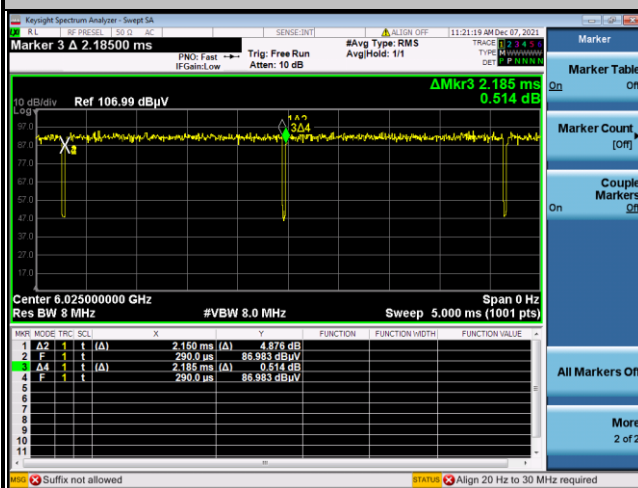
802.11ax HE40 Full RU



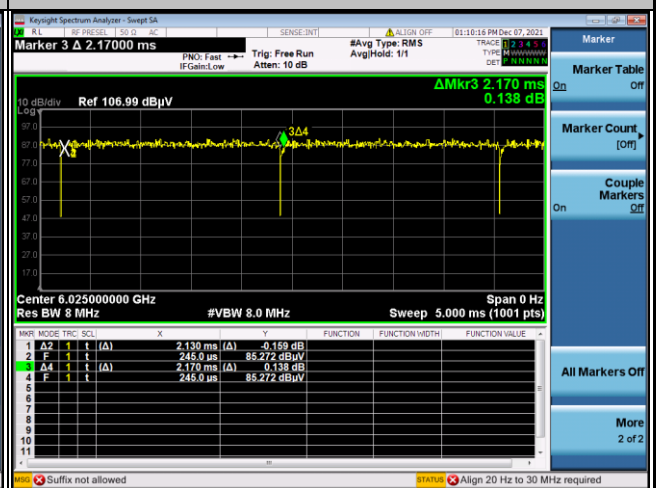
802.11ax HE40 484 RU



802.11ax HE160 Full RU



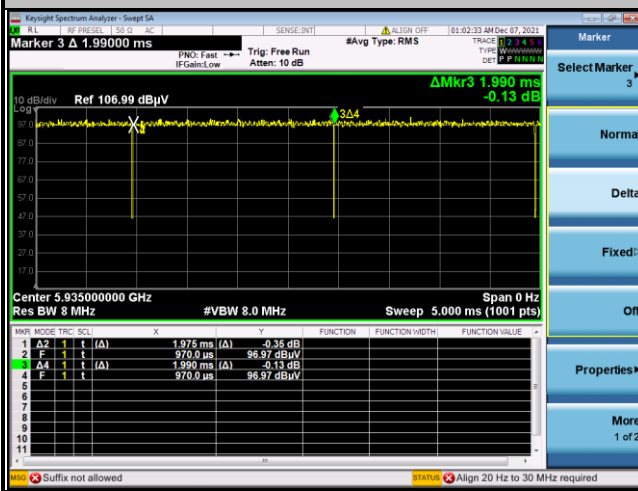
802.11ax HE160 1992 RU



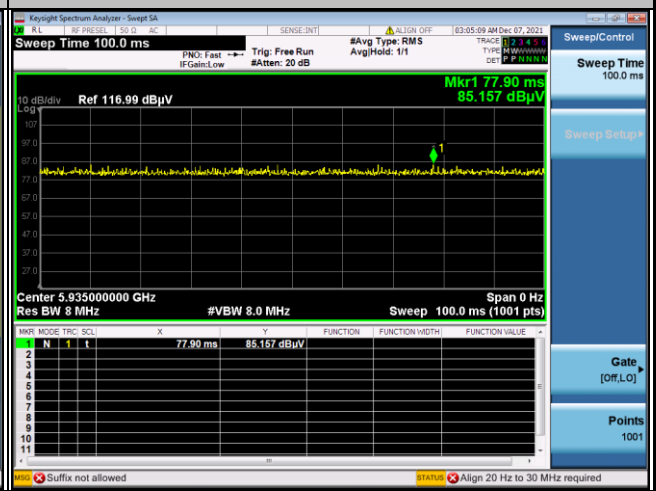


MIMO <Chain 0+1>

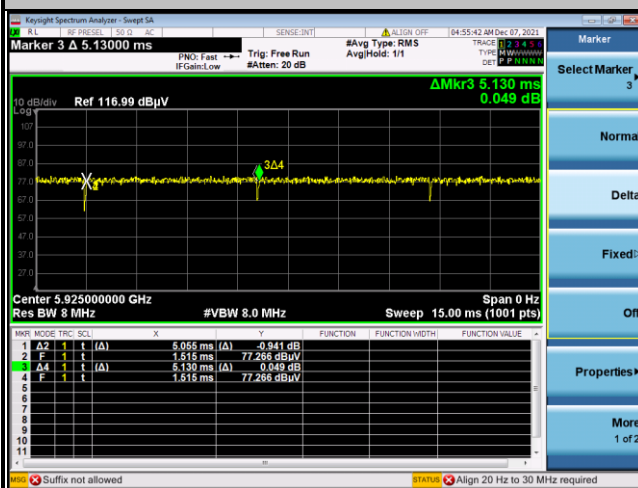
802.11a



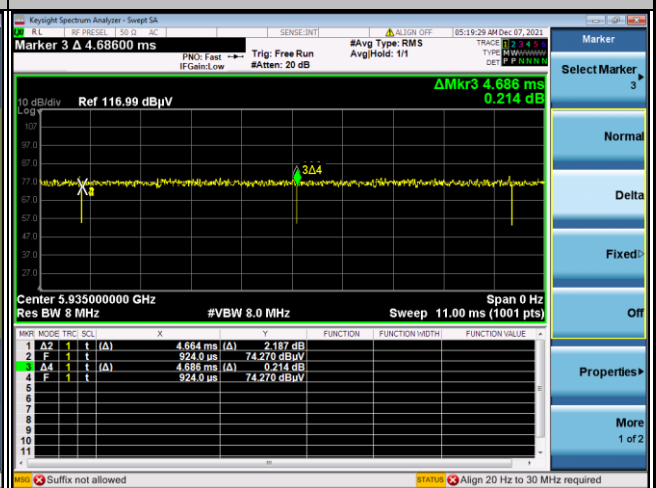
802.11ax HE20 Full RU



802.11ax HE20 26 RU

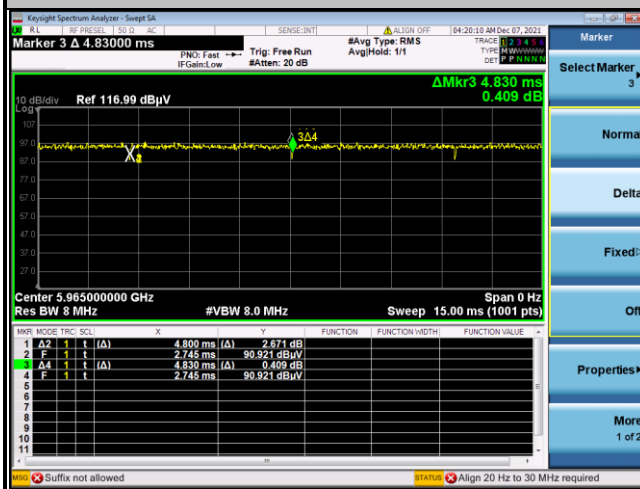


802.11ax HE20 242 RU

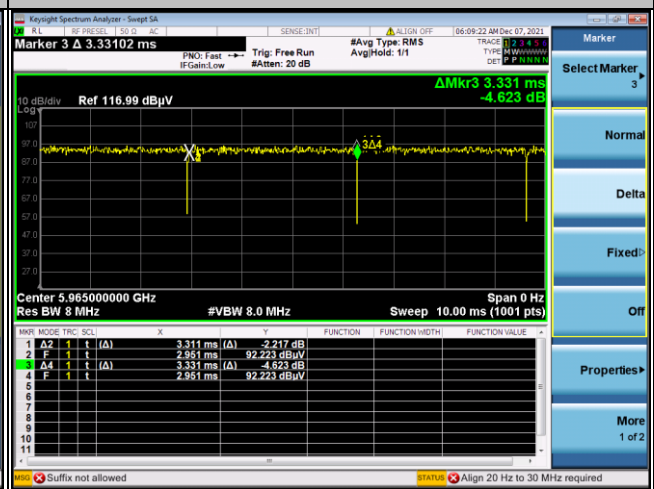




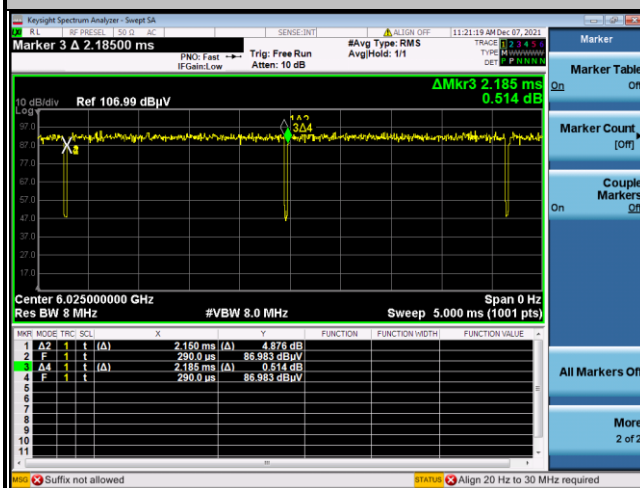
802.11ax HE40 Full RU



802.11ax HE40 484 RU



802.11ax HE160 Full RU



802.11ax HE160 1992 RU

