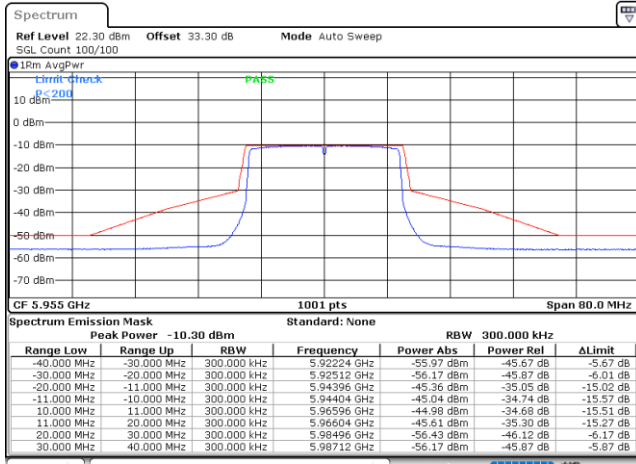




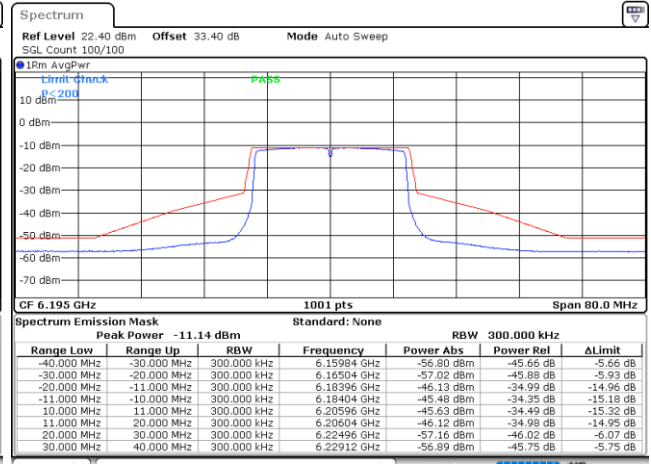
EUT Mode : 802.11ax HE20

Plot on Channel 5955MHz



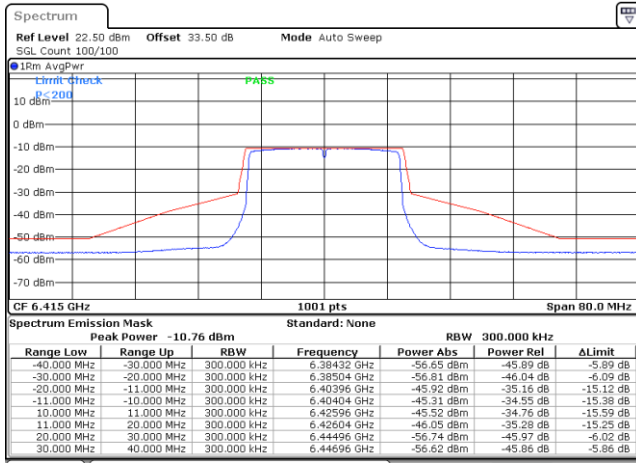
Date: 13.OCT.2022 11:45:49

Plot on Channel 6195MHz



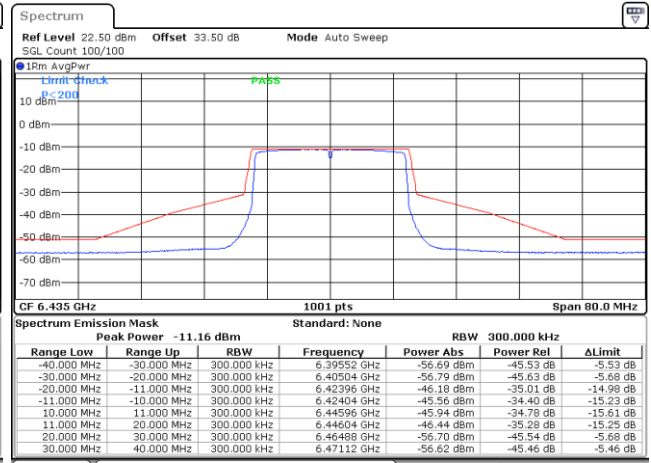
Date: 13.OCT.2022 11:47:43

Plot on Channel 6415MHz



Date: 13.OCT.2022 11:50:01

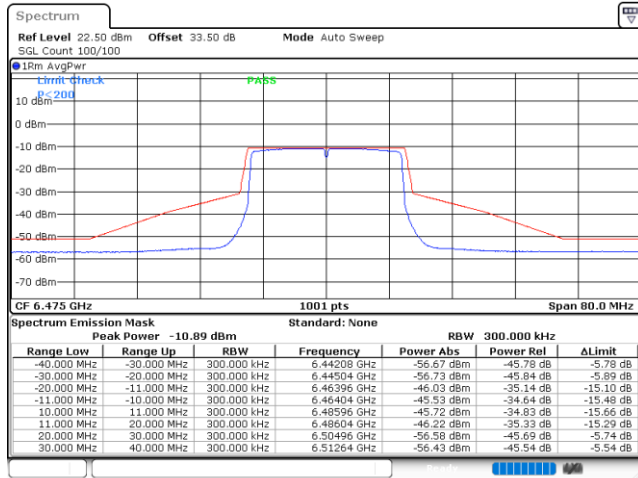
Plot on Channel 6435MHz



Date: 13.OCT.2022 11:52:53

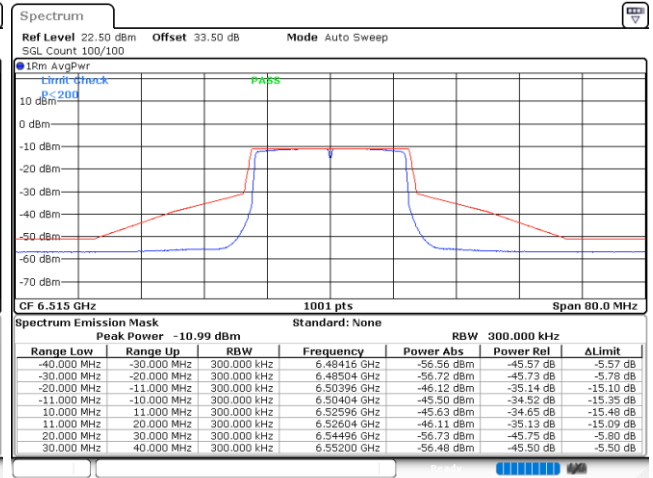


Plot on Channel 6475MHz



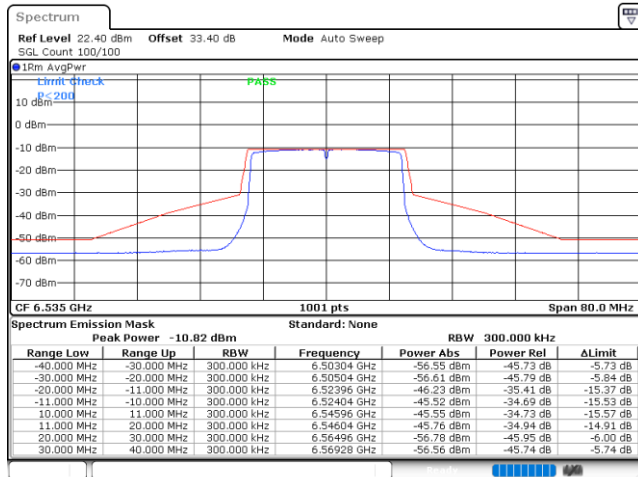
Date: 13.OCT.2022 11:56:54

Plot on Channel 6515MHz



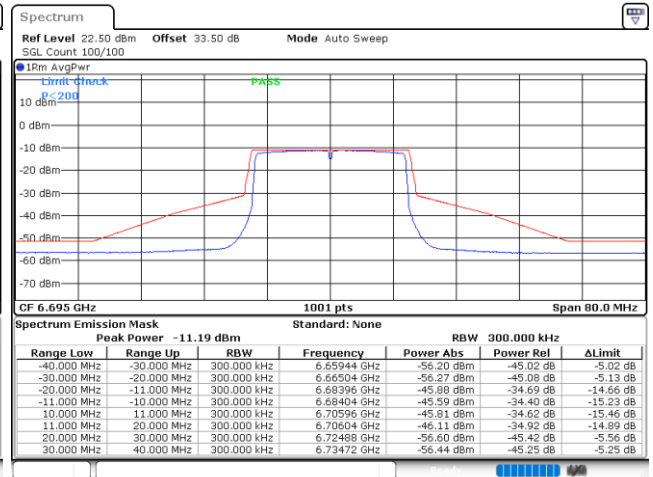
Date: 13.OCT.2022 11:59:37

Plot on Channel 6535MHz



Date: 13.OCT.2022 12:01:29

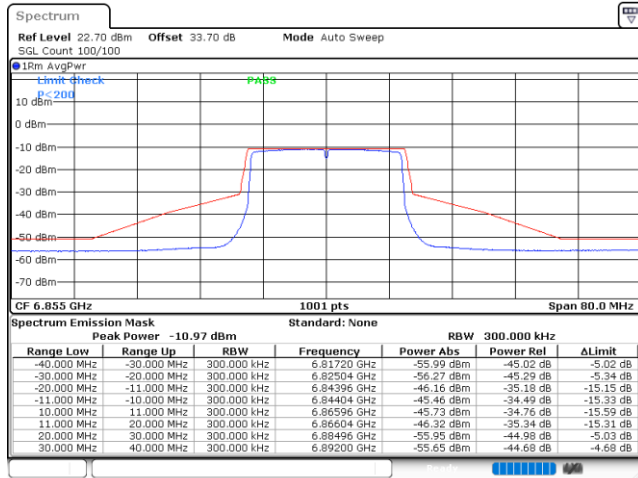
Plot on Channel 6695MHz



Date: 13.OCT.2022 14:04:57

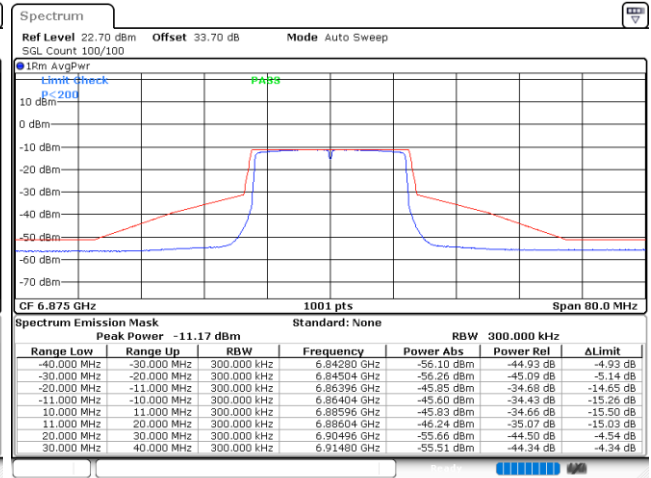


Plot on Channel 6855MHz



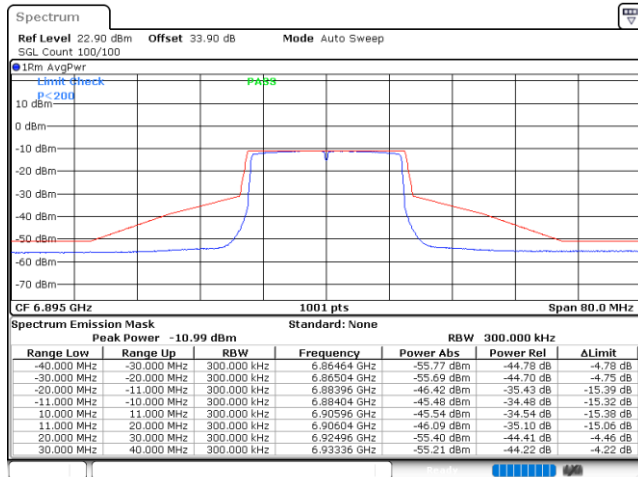
Date: 13.OCT.2022 14:09:22

Plot on Channel 6875MHz



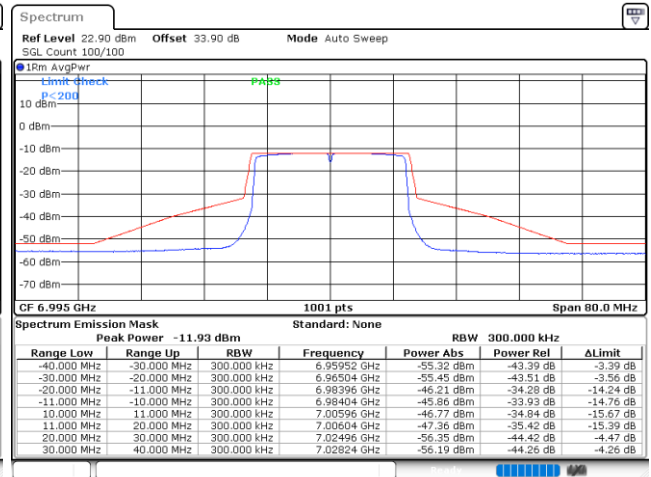
Date: 13.OCT.2022 14:10:52

Plot on Channel 6895MHz



Date: 13.OCT.2022 14:12:48

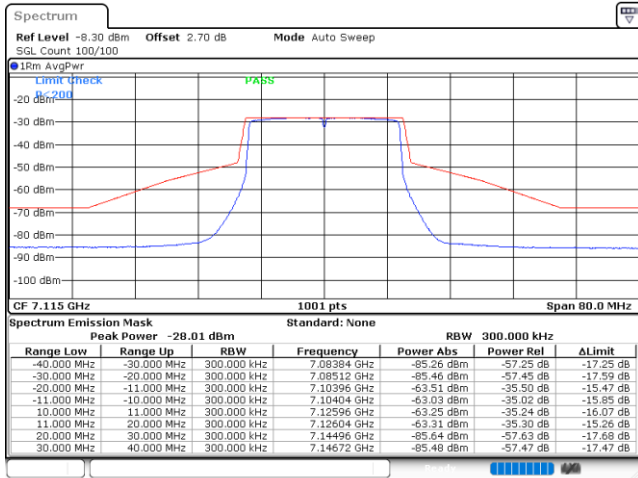
Plot on Channel 6995MHz



Date: 13.OCT.2022 14:20:30



Plot on Channel 7115MHz

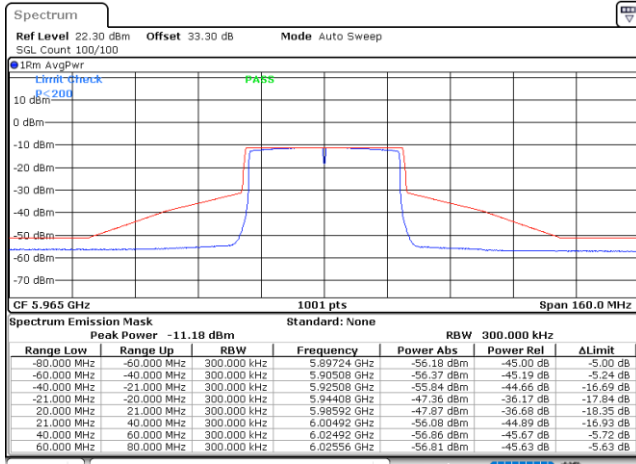


Date: 13.OCT.2022 14:41:00



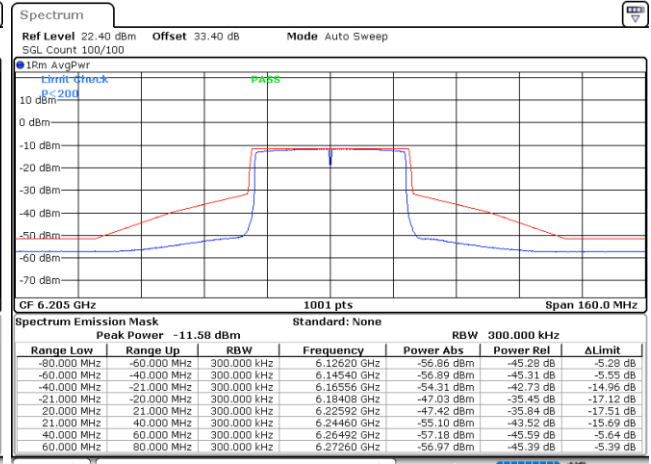
EUT Mode : 802.11ax HE40

Plot on Channel 5965MHz



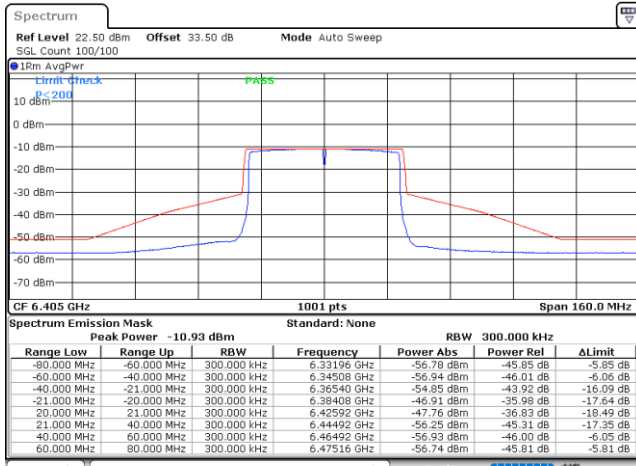
Date: 11.OCT.2022 11:44:41

Plot on Channel 6205MHz



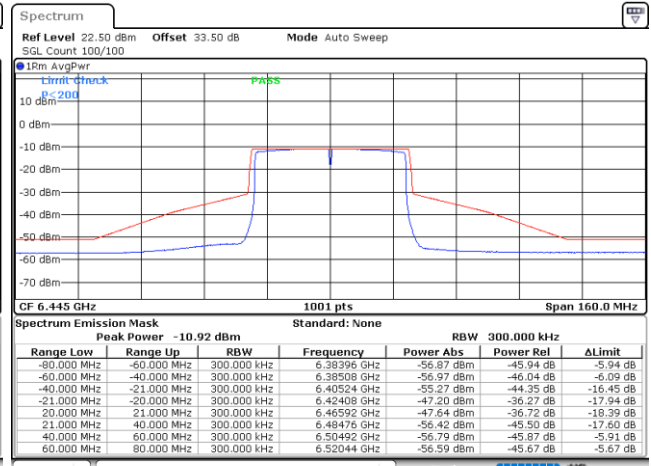
Date: 11.OCT.2022 11:57:23

Plot on Channel 6405MHz



Date: 11.OCT.2022 11:54:17

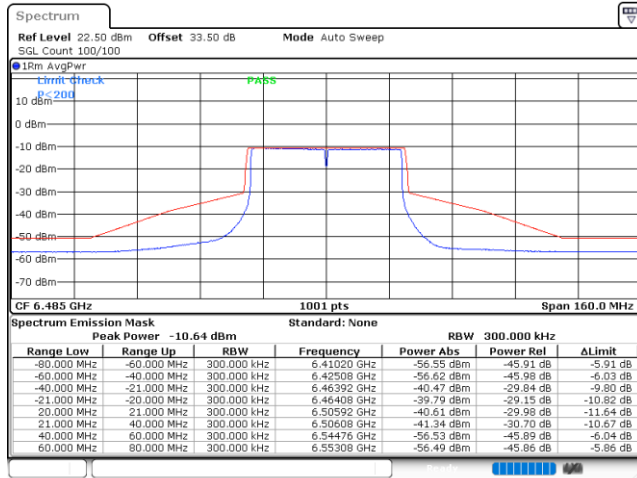
Plot on Channel 6445MHz



Date: 11.OCT.2022 12:00:55

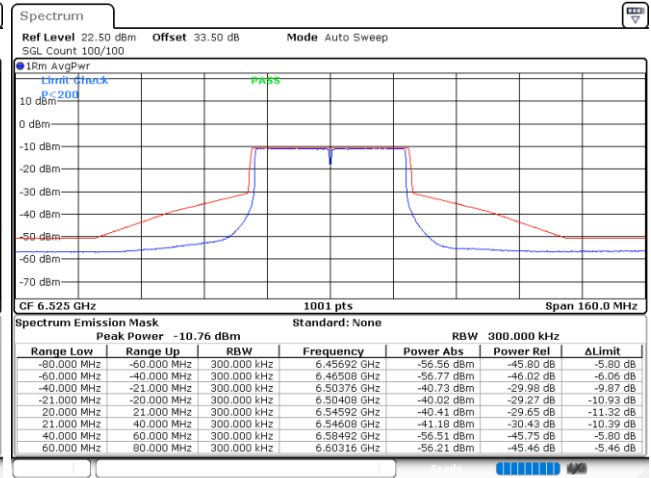


Plot on Channel 6485MHz



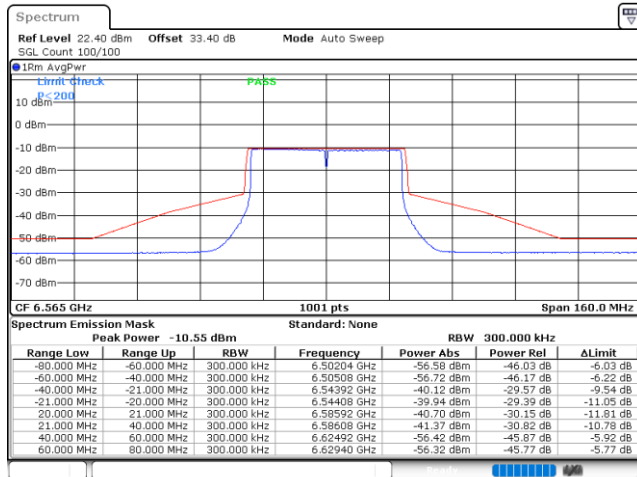
Date: 11.OCT.2022 14:14:14

Plot on Channel 6525MHz



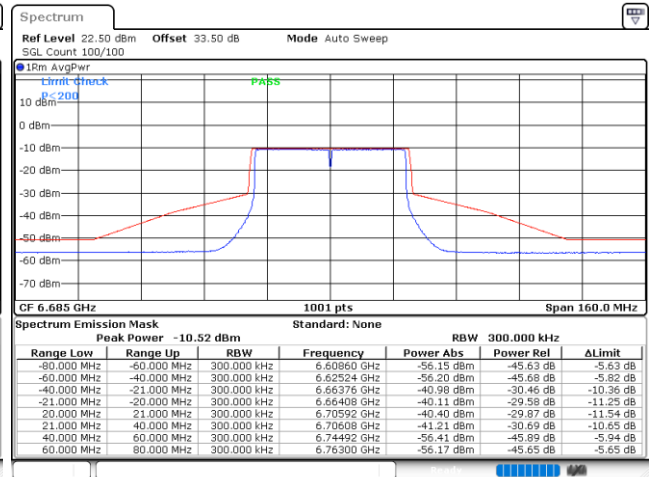
Date: 11.OCT.2022 14:17:26

Plot on Channel 6565MHz



Date: 11.OCT.2022 14:20:49

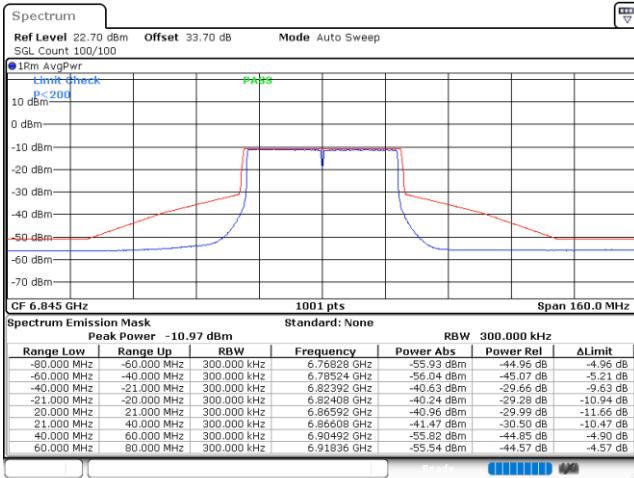
Plot on Channel 6685MHz



Date: 11.OCT.2022 14:24:41

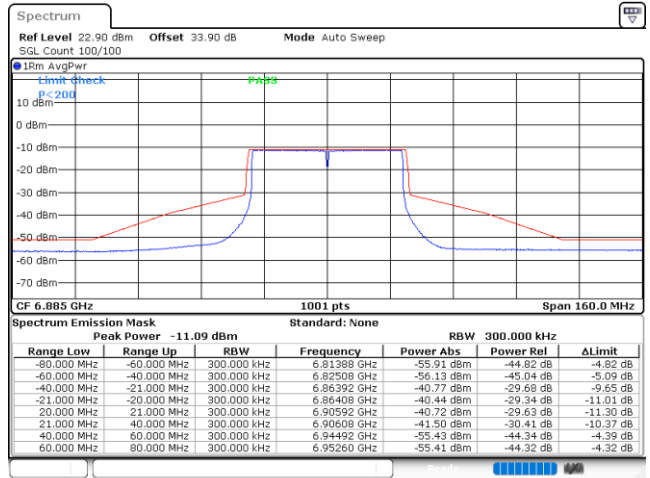


Plot on Channel 6845MHz



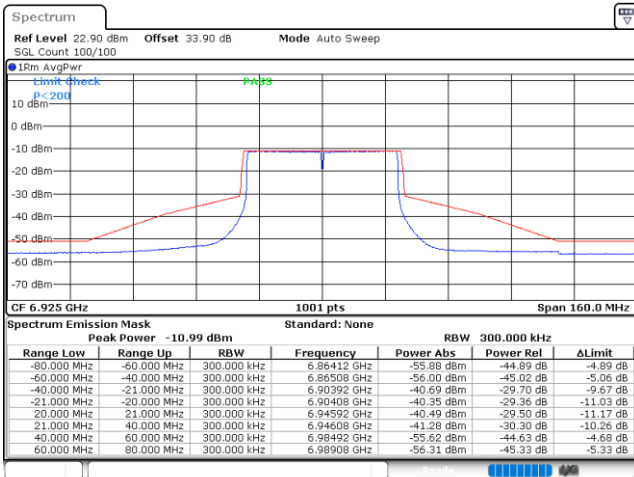
Date: 11.OCT.2022 14:28:52

Plot on Channel 6885MHz



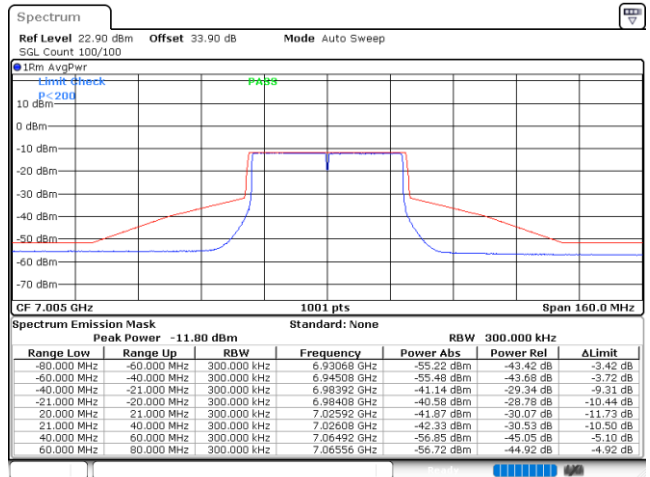
Date: 11.OCT.2022 14:34:04

Plot on Channel 6925MHz



Date: 11.OCT.2022 14:36:55

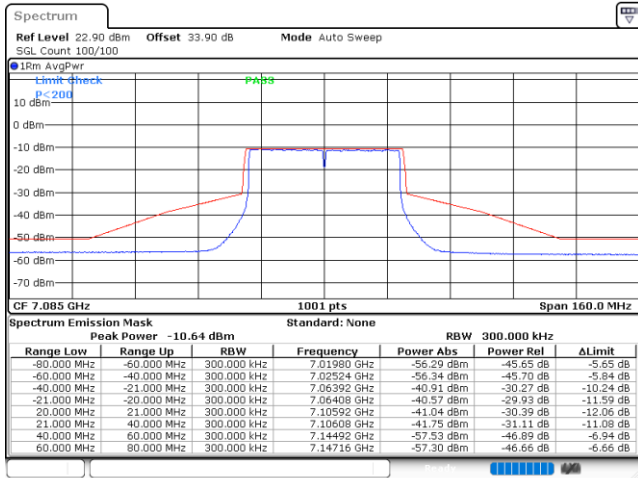
Plot on Channel 7005MHz



Date: 11.OCT.2022 14:41:00



Plot on Channel 7085MHz

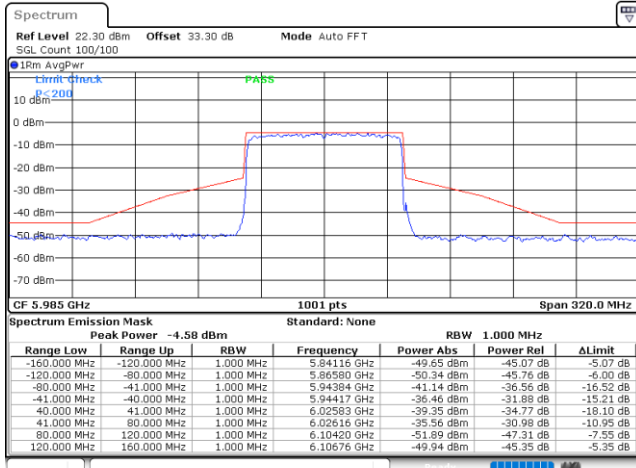


Date: 11.OCT.2022 14:45:22



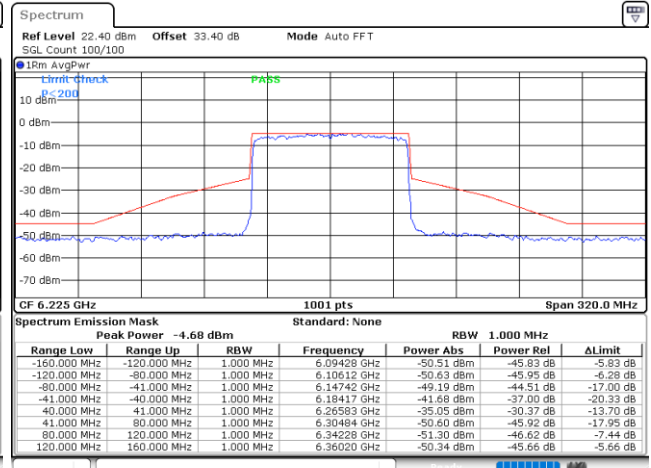
EUT Mode : 802.11ax HE80

Plot on Channel 5985MHz



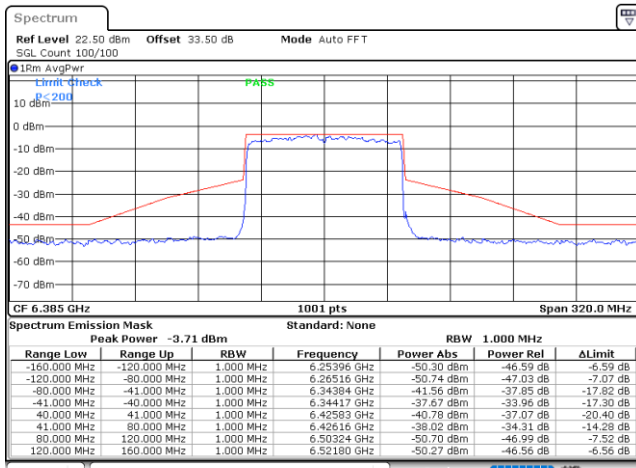
Date: 11.OCT.2022 14:51:59

Plot on Channel 6225MHz



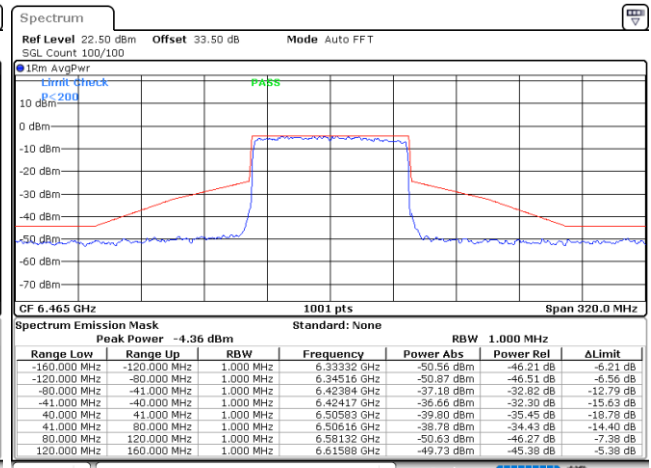
Date: 11.OCT.2022 15:26:28

Plot on Channel 6385MHz



Date: 11.OCT.2022 15:31:08

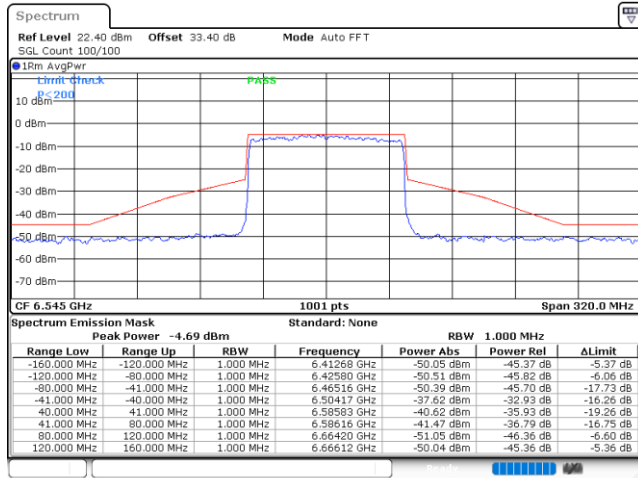
Plot on Channel 6465MHz



Date: 11.OCT.2022 15:37:10

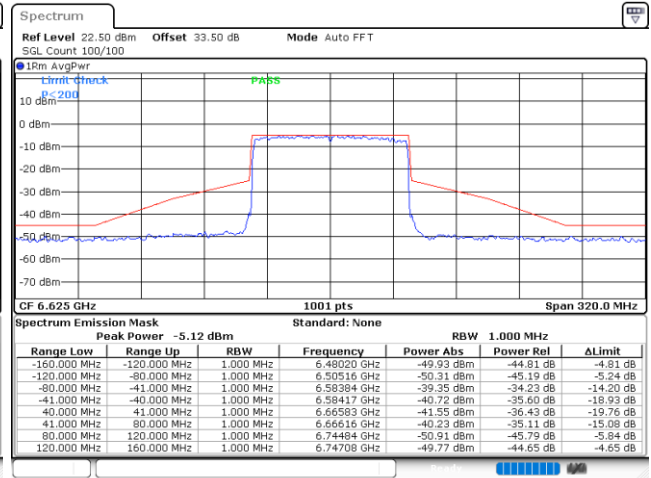


Plot on Channel 6545MHz



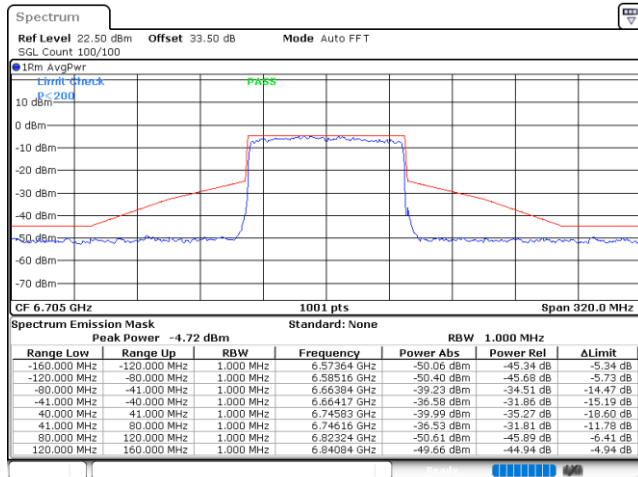
Date: 11.OCT.2022 16:35:06

Plot on Channel 6625MHz



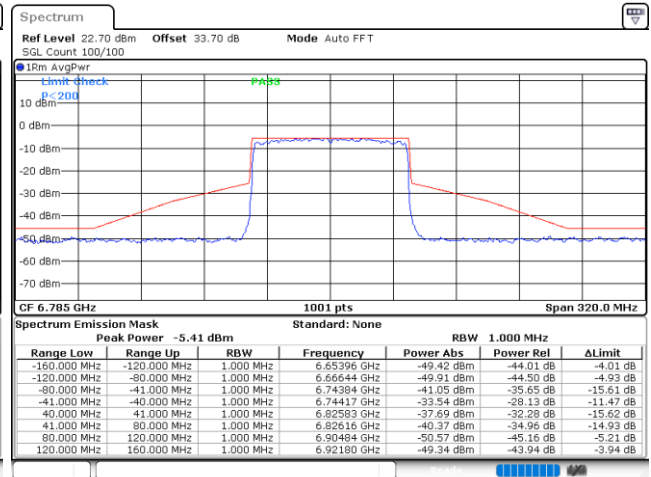
Date: 11.OCT.2022 15:46:57

Plot on Channel 6705MHz



Date: 11.OCT.2022 16:41:30

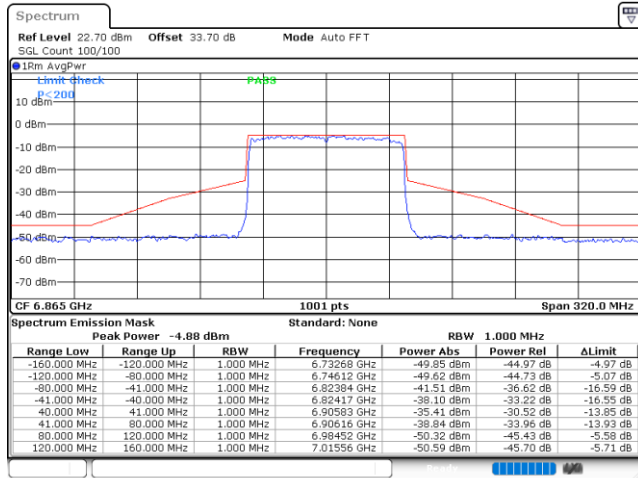
Plot on Channel 6785MHz



Date: 11.OCT.2022 16:04:44

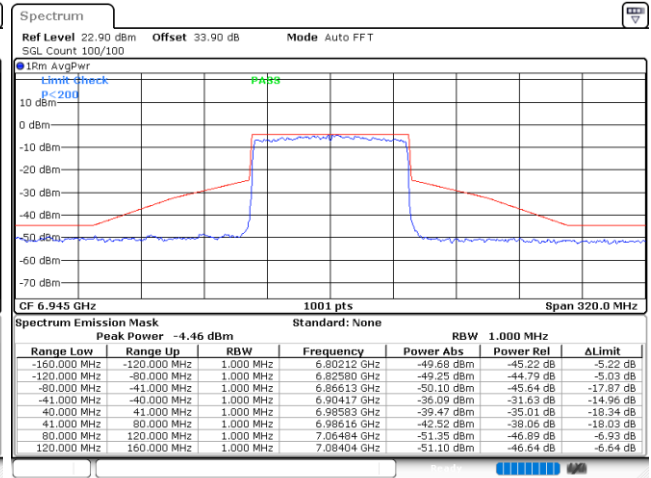


Plot on Channel 6865MHz



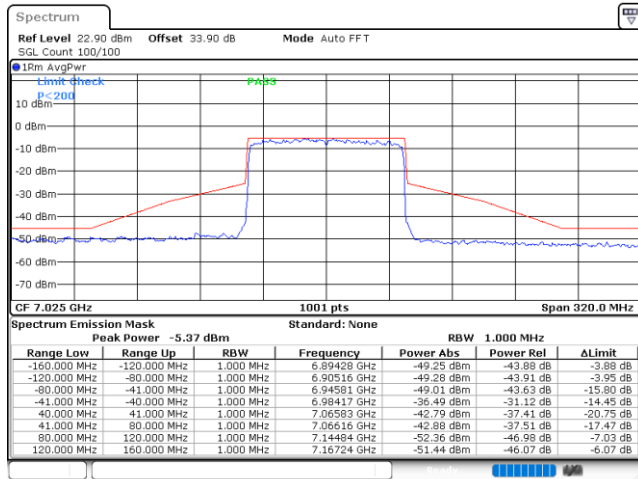
Date: 11.OCT.2022 16:09:17

Plot on Channel 6945MHz



Date: 11.OCT.2022 16:13:24

Plot on Channel 7025MHz

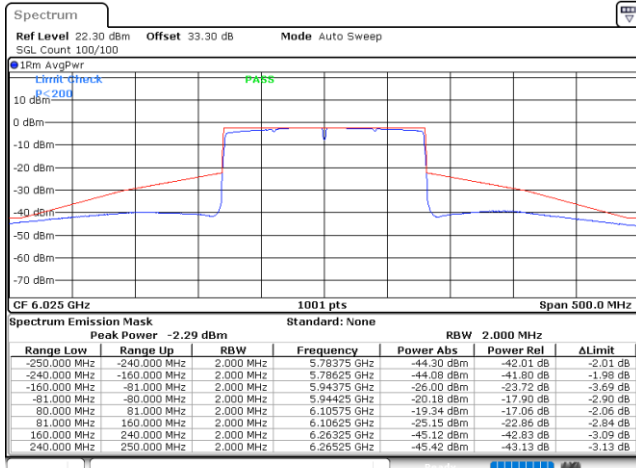


Date: 11.OCT.2022 16:18:55



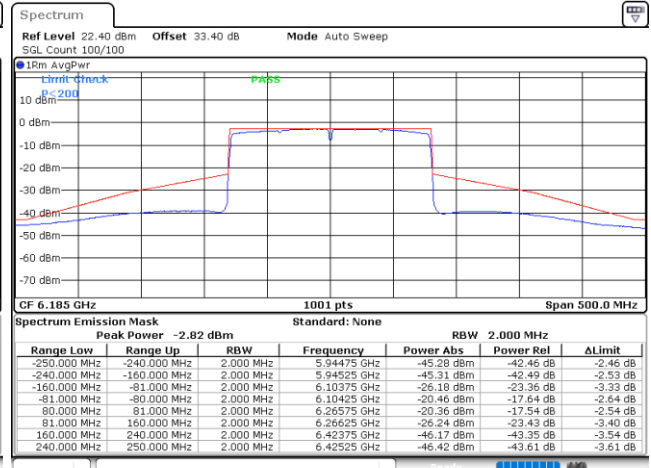
EUT Mode : 802.11ax HE160

Plot on Channel 6025MHz



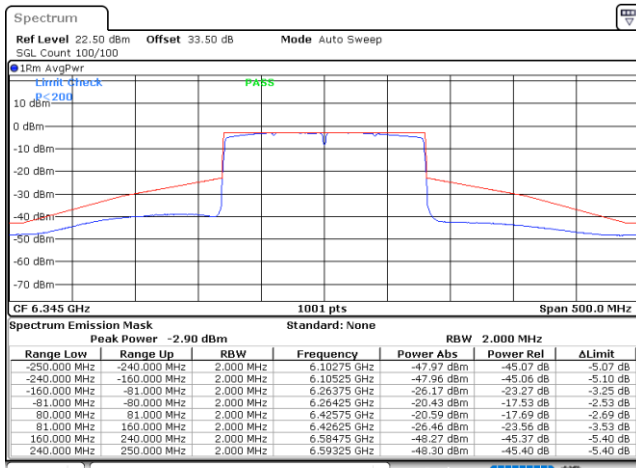
Date: 11.OCT.2022 16:51:05

Plot on Channel 6185MHz



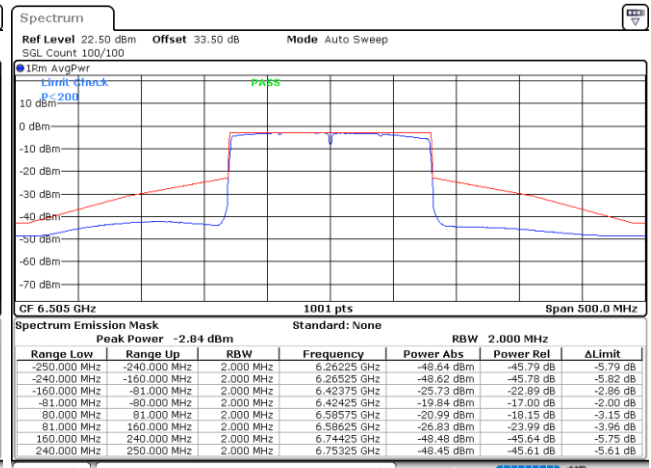
Date: 11.OCT.2022 17:00:22

Plot on Channel 6345MHz



Date: 11.OCT.2022 17:28:14

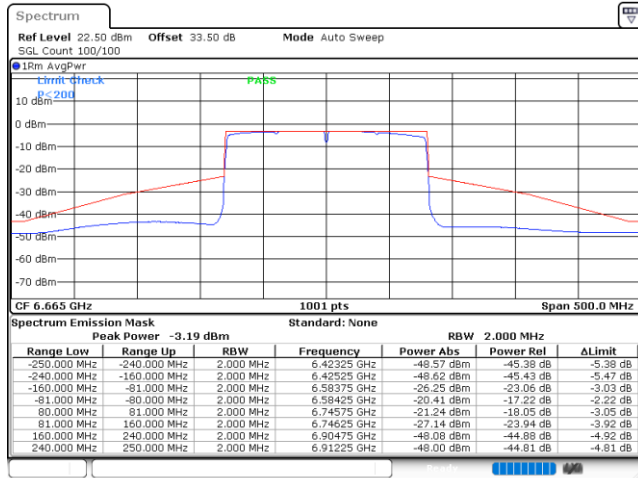
Plot on Channel 6505MHz



Date: 11.OCT.2022 17:25:07

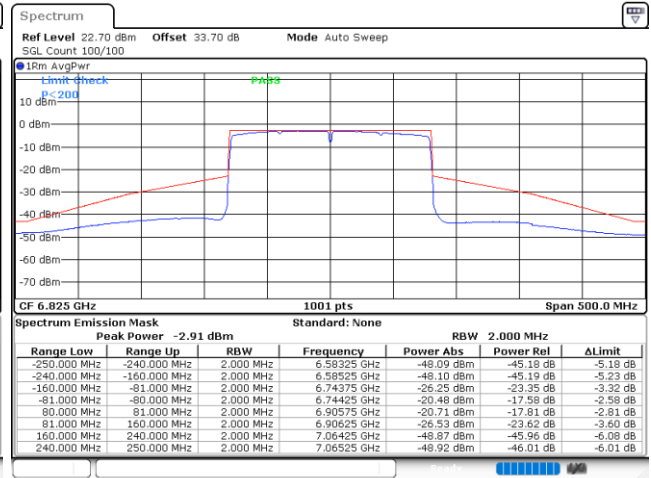


Plot on Channel 6665MHz



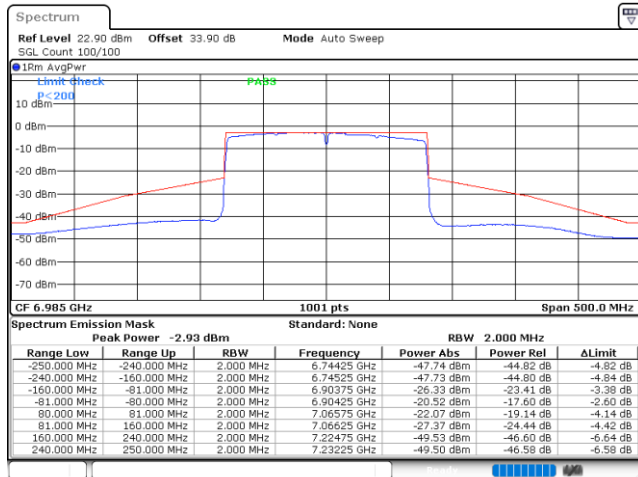
Date: 11.OCT.2022 17:30:50

Plot on Channel 6825MHz



Date: 11.OCT.2022 17:32:34

Plot on Channel 6985MHz



Date: 11.OCT.2022 17:34:09



3.5 Unwanted Emissions Measurement

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

3.5.1 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.

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

3.5.2 Measuring Instruments

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



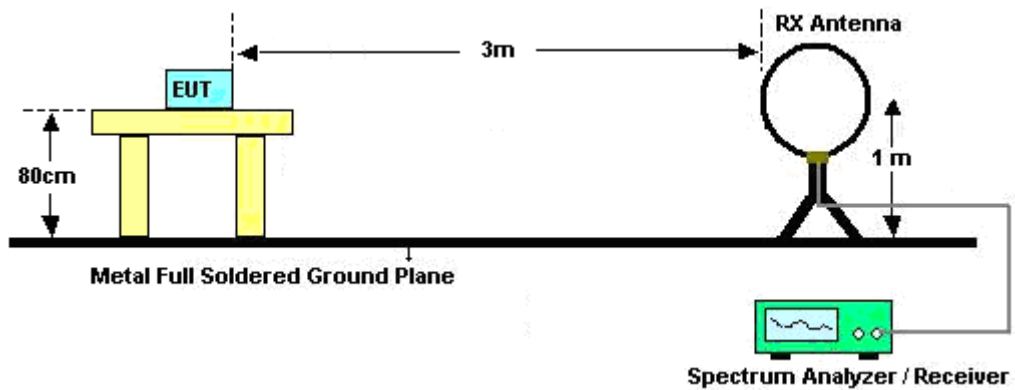
3.5.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW \geq 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW \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 is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is 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 is 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.

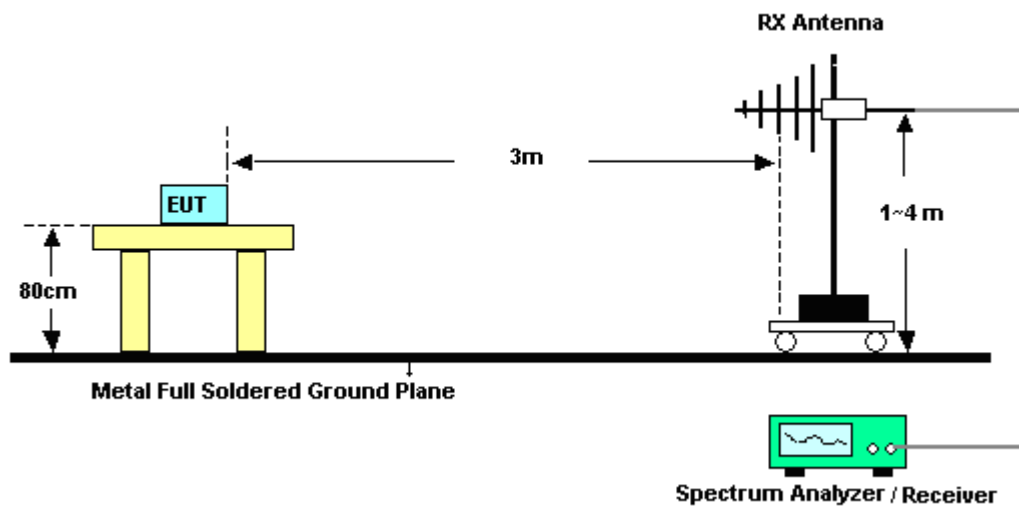
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-“.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees 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 6 dB margin against average limit line, the position is marked as “-“.

3.5.4 Test Setup

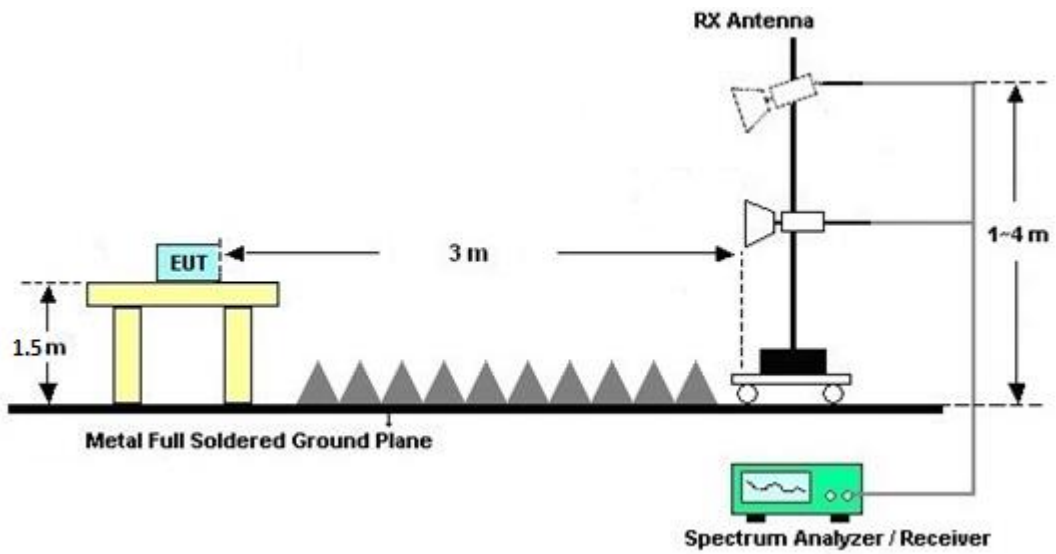
For radiated emissions below 30MHz



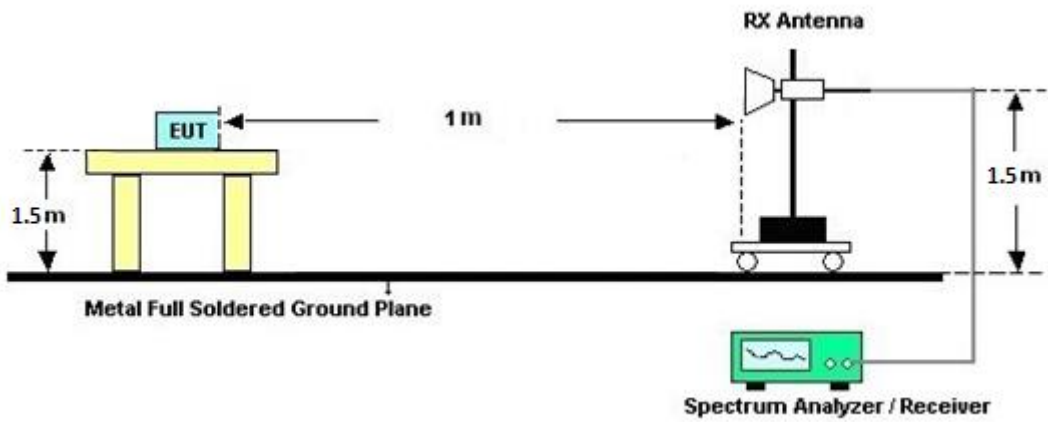
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz





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

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

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

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.5.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

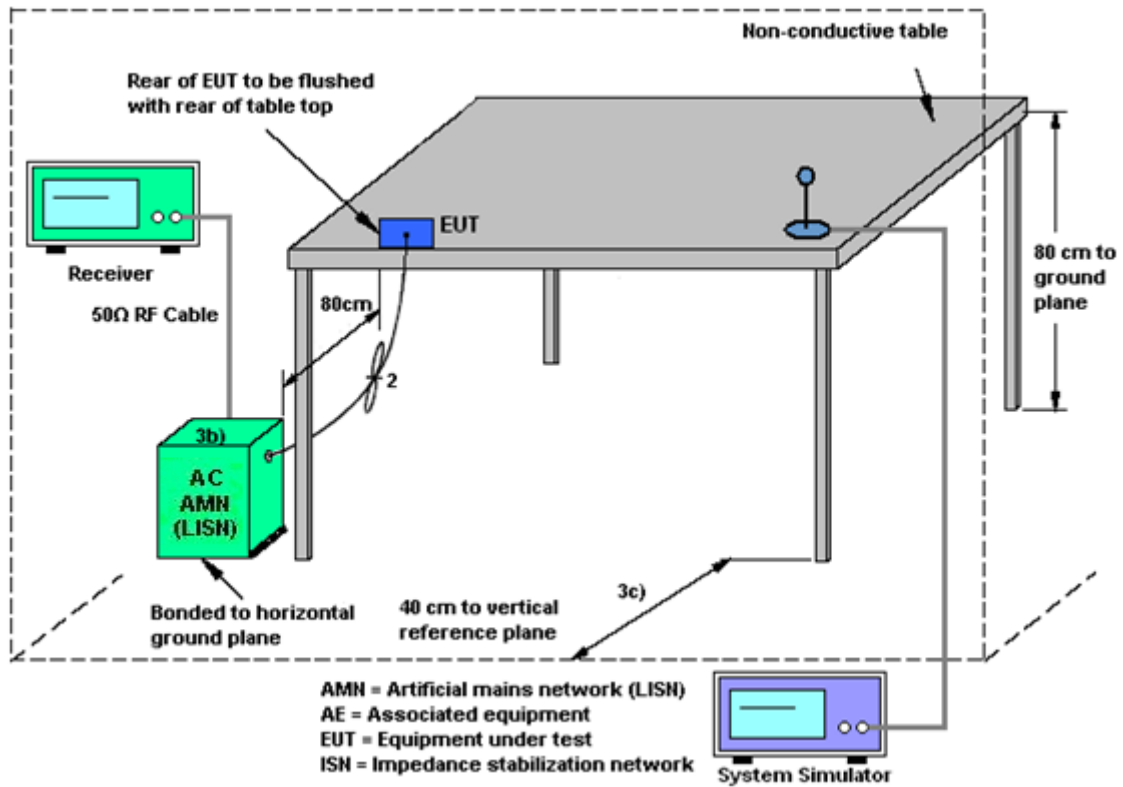
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.7 Antenna Requirements

3.7.1 Standard Applicable

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 03, 2021	Oct. 01, 2022~ Oct. 07, 2022	Dec. 02, 2022	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 21, 2022	Oct. 01, 2022~ Oct. 07, 2022	Apr. 20, 2023	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 04, 2021	Oct. 01, 2022~ Oct. 02, 2022	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 03, 2022	Oct. 03, 2022~ Oct. 07, 2022	Oct. 02, 2023	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 21, 2022	Oct. 01, 2022~ Oct. 07, 2022	Jul. 20, 2023	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jul. 22, 2022	Oct. 01, 2022~ Oct. 07, 2022	Jul. 21, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz to 18GHz	Feb. 23, 2022	Oct. 01, 2022~ Oct. 07, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz to 18GHz	Feb. 23, 2022	Oct. 01, 2022~ Oct. 07, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz to 18GHz	Feb. 23, 2022	Oct. 01, 2022~ Oct. 07, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 16, 2022	Oct. 01, 2022~ Oct. 07, 2022	Sep. 15, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 23, 2022	Oct. 01, 2022~ Oct. 07, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 14, 2022	Oct. 01, 2022~ Oct. 07, 2022	Apr. 13, 2023	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Oct. 01, 2022~ Oct. 07, 2022	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Oct. 01, 2022~ Oct. 07, 2022	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Oct. 01, 2022~ Oct. 07, 2022	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Oct. 01, 2022~ Oct. 07, 2022	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Oct. 01, 2022~ Oct. 07, 2022	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 07, 2022	Oct. 01, 2022~ Oct. 07, 2022	Mar. 06, 2023	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Oct. 01, 2022~ Oct. 07, 2022	Nov. 29, 2022	Radiation (03CH07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Oct. 04, 2022~ Oct. 24, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W #010	RPR6W-21010 02(NO:123)	10MHz~8GHz	Jan. 13, 2022	Oct. 04, 2022~ Oct. 24, 2022	Jan. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz	Aug. 03, 2022	Oct. 04, 2022~ Oct. 24, 2022	Aug. 02, 2023	Conducted (TH05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Oct. 04, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Oct. 04, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Oct. 04, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Oct. 04, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Oct. 04, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Oct. 04, 2022	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Oct. 04, 2022	Dec. 29, 2022	Conduction (CO05-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.5 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.5 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.5 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu	Temperature:	21~25	°C
Test Date:	2022/10/04~2022/10/24	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	001	5955	16.53	16.43	19.65	19.85	320.00	Pass
11a	6Mbps	2	049	6195	16.48	16.43	19.55	19.60	320.00	Pass
11a	6Mbps	2	093	6415	16.48	16.43	19.70	19.80	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	SUM		
11a	6Mbps	2	001	5955	0.05	0.05	6.30	7.20	9.78	3.40	3.40	13.18	30.00	Pass
11a	6Mbps	2	049	6195	0.05	0.05	6.60	7.00	9.81	3.40	3.40	13.21	30.00	Pass
11a	6Mbps	2	093	6415	0.05	0.05	6.60	7.10	9.87	3.40	3.40	13.27	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 3	Ant 4	SUM	Ant 3	Ant 4	SUM		
11a	6Mbps	2	001	5955			-0.79	5.53		4.74	5.00	Pass
11a	6Mbps	2	049	6195			-0.57	5.53		4.96	5.00	Pass
11a	6Mbps	2	093	6415			-0.64	5.53		4.89	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	097	6435	16.48	16.48	19.85	19.60	320.00	Pass
11a	6Mbps	2	105	6475	16.48	16.43	19.90	19.40	320.00	Pass
11a	6Mbps	2	113	6515	16.48	16.48	19.80	19.60	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	SUM		
11a	6Mbps	2	097	6435	0.05	0.05	6.60	6.60	9.61	3.40		13.01	30.00	Pass
11a	6Mbps	2	105	6475	0.05	0.05	6.70	7.00	9.86	3.40		13.26	30.00	Pass
11a	6Mbps	2	113	6515	0.05	0.05	6.70	6.70	9.71	3.40		13.11	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	SUM		
11a	6Mbps	2	097	6435	0.05	0.05			-0.69	5.53	4.84	5.00	Pass	
11a	6Mbps	2	105	6475	0.05	0.05			-0.60	5.53	4.93	5.00	Pass	
11a	6Mbps	2	113	6515	0.05	0.05			-0.92	5.53	4.61	5.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	117	6535	16.48	16.43	19.80	19.55	320.00	Pass
11a	6Mbps	2	149	6695	16.48	16.43	20.00	19.50	320.00	Pass
11a	6Mbps	2	181	6855	16.48	16.48	20.00	19.65	320.00	Pass

U-NII-7 straddle channel MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	185	6875	16.53	16.48	20.05	19.50	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4			
11a	6Mbps	2	117	6535	0.05	0.05	6.70	6.70	9.71	3.40	3.40	13.11	30.00	Pass
11a	6Mbps	2	149	6695	0.05	0.05	6.90	6.70	9.81	3.40	3.40	13.21	30.00	Pass
11a	6Mbps	2	181	6855	0.05	0.05	7.00	7.20	10.11	3.40	3.40	13.51	30.00	Pass

U-NII-7 straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4			
11a	6Mbps	2	185	6875	0.05	0.05	7.10	7.20	10.16	3.40	3.40	13.56	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4			
11a	6Mbps	2	117	6535	0.05	0.05			-0.56	5.53		4.97	5.00	Pass
11a	6Mbps	2	149	6695	0.05	0.05			-0.55	5.53		4.98	5.00	Pass
11a	6Mbps	2	181	6855	0.05	0.05			-0.91	5.53		4.62	5.00	Pass

FCC U-NII-7 straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4			
11a	6Mbps	2	185	6875	0.05	0.05			-0.91	5.53		4.62	5.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	189	6895	16.53	16.48	19.70	19.75	320.00	Pass
11a	6Mbps	2	209	6995	16.48	16.48	20.05	19.70	320.00	Pass
11a	6Mbps	2	233	7115	16.38	16.43	19.60	19.60	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	SUM		
11a	6Mbps	2	189	6895	0.05	0.05	7.10	7.40	10.26	3.40	3.40	13.66	30.00	Pass
11a	6Mbps	2	209	6995	0.05	0.05	7.30	7.50	10.41	3.40	3.40	13.81	30.00	Pass
11a	6Mbps	2	233	7115	0.05	0.05	-8.20	-8.80	-5.48	3.40	3.40	-2.08	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	SUM		
11a	6Mbps	2	189	6895	0.05	0.05			-0.98	5.53		4.55	5.00	Pass
11a	6Mbps	2	209	6995	0.05	0.05			-0.82	5.53		4.71	5.00	Pass
11a	6Mbps	2	233	7115	0.05	0.05			-18.58	5.53		-13.05	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	001	5955	Full	18.98	18.98	21.35	21.50	320.00	Pass
HE20	MCS0	2	049	6195	Full	18.98	18.98	21.50	21.50	320.00	Pass
HE20	MCS0	2	093	6415	Full	19.03	18.93	21.40	21.55	320.00	Pass
HE40	MCS0	2	003	5965	Full	38.06	37.96	40.23	40.50	320.00	Pass
HE40	MCS0	2	051	6205	Full	38.06	37.96	40.50	40.50	320.00	Pass
HE40	MCS0	2	091	6405	Full	38.06	37.96	40.23	40.59	320.00	Pass
HE80	MCS0	2	007	5985	Full	77.20	77.32	83.36	83.20	320.00	Pass
HE80	MCS0	2	055	6225	Full	77.32	77.32	82.56	83.36	320.00	Pass
HE80	MCS0	2	087	6385	Full	77.08	77.20	82.80	82.24	320.00	Pass
HE160	MCS0	2	015	6025	Full	156.32	156.56	167.04	165.76	320.00	Pass
HE160	MCS0	2	047	6185	Full	156.32	156.32	166.08	166.40	320.00	Pass
HE160	MCS0	2	079	6345	Full	156.08	156.56	165.76	166.08	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4			
HE20	MCS0	2	001	5955	Full	0.06	0.06	6.60	7.70	10.20	3.40	13.60	30.00	Pass	
HE20	MCS0	2	049	6195	Full	0.06	0.06	7.00	7.00	10.01	3.40	13.41	30.00	Pass	
HE20	MCS0	2	093	6415	Full	0.06	0.06	6.80	7.30	10.07	3.40	13.47	30.00	Pass	
HE40	MCS0	2	003	5965	Full	0.03	0.03	9.60	10.10	12.87	3.40	16.27	30.00	Pass	
HE40	MCS0	2	051	6205	Full	0.03	0.03	9.80	10.00	12.91	3.40	16.31	30.00	Pass	
HE40	MCS0	2	091	6405	Full	0.03	0.03	9.80	10.30	13.07	3.40	16.47	30.00	Pass	
HE80	MCS0	2	007	5985	Full	0.06	0.06	12.50	13.40	15.98	3.40	19.38	30.00	Pass	
HE80	MCS0	2	055	6225	Full	0.06	0.06	12.50	13.00	15.77	3.40	19.17	30.00	Pass	
HE80	MCS0	2	087	6385	Full	0.06	0.06	12.60	13.30	15.97	3.40	19.37	30.00	Pass	
HE160	MCS0	2	015	6025	Full	0.06	0.06	15.40	16.10	18.77	3.40	22.17	30.00	Pass	
HE160	MCS0	2	047	6185	Full	0.06	0.06	15.30	15.70	18.51	3.40	21.91	30.00	Pass	
HE160	MCS0	2	079	6345	Full	0.06	0.06	15.20	15.80	18.52	3.40	21.92	30.00	Pass	

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	SUM		
HE20	MCS0	2	001	5955	Full			-0.59	5.53		4.94	5.00	Pass
HE20	MCS0	2	049	6195	Full			-0.58	5.53		4.95	5.00	Pass
HE20	MCS0	2	093	6415	Full			-0.86	5.53		4.67	5.00	Pass
HE40	MCS0	2	003	5965	Full			-0.97	5.53		4.56	5.00	Pass
HE40	MCS0	2	051	6205	Full			-0.92	5.53		4.61	5.00	Pass
HE40	MCS0	2	091	6405	Full			-0.77	5.53		4.76	5.00	Pass
HE80	MCS0	2	007	5985	Full			-0.77	5.53		4.76	5.00	Pass
HE80	MCS0	2	055	6225	Full			-0.70	5.53		4.83	5.00	Pass
HE80	MCS0	2	087	6385	Full			-0.65	5.53		4.88	5.00	Pass
HE160	MCS0	2	015	6025	Full			-0.72	5.53		4.81	5.00	Pass
HE160	MCS0	2	047	6185	Full			-0.89	5.53		4.64	5.00	Pass
HE160	MCS0	2	079	6345	Full			-0.98	5.53		4.55	5.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	097	6435	Full	18.98	18.98	21.40	21.35	320.00	Pass
HE20	MCS0	2	105	6475	Full	18.98	18.93	21.55	21.30	320.00	Pass
HE20	MCS0	2	113	6515	Full	18.98	18.93	21.45	21.20	320.00	Pass
HE40	MCS0	2	099	6445	Full	37.96	37.96	40.59	40.59	320.00	Pass
HE40	MCS0	2	107	6485	Full	38.56	38.46	44.46	43.29	320.00	Pass
HE80	MCS0	2	103	6465	Full	77.20	77.20	82.56	82.72	320.00	Pass

U-NII-6 straddle channel MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4		
HE40	MCS0	2	115	6525	Full	38.56	38.56	44.19	43.83	320.00	Pass
HE80	MCS0	2	119	6545	Full	77.32	77.20	83.68	83.20	320.00	Pass
HE160	MCS0	2	111	6505	Full	156.32	156.56	166.08	166.08	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4			
HE20	MCS0	2	097	6435	Full	0.06	0.06	7.00	7.40	10.21	3.40	3.40	13.61	30.00	Pass
HE20	MCS0	2	105	6475	Full	0.06	0.06	7.00	7.40	10.21	3.40	3.40	13.61	30.00	Pass
HE20	MCS0	2	113	6515	Full	0.06	0.06	7.20	7.30	10.26	3.40	3.40	13.66	30.00	Pass
HE40	MCS0	2	099	6445	Full	0.03	0.03	10.10	10.40	13.26	3.40	3.40	16.66	30.00	Pass
HE40	MCS0	2	107	6485	Full	0.03	0.03	10.00	10.00	13.01	3.40	3.40	16.41	30.00	Pass
HE80	MCS0	2	103	6465	Full	0.06	0.06	12.80	13.10	15.96	3.40	3.40	19.36	30.00	Pass

U-NII-6 straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4			
HE40	MCS0	2	115	6525	Full	0.03	0.03	10.00	10.20	13.11	3.40	3.40	16.51	30.00	Pass
HE80	MCS0	2	119	6545	Full	0.06	0.06	12.90	13.00	15.96	3.40	3.40	19.36	30.00	Pass
HE160	MCS0	2	111	6505	Full	0.06	0.06	15.60	15.70	18.66	3.40	3.40	22.06	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4			
HE20	MCS0	2	097	6435	Full	0.06	0.06			-0.96	5.53	4.57	5.00	Pass	
HE20	MCS0	2	105	6475	Full	0.06	0.06			-0.56	5.53	4.97	5.00	Pass	
HE20	MCS0	2	113	6515	Full	0.06	0.06			-0.56	5.53	4.97	5.00	Pass	
HE40	MCS0	2	099	6445	Full	0.03	0.03			-0.69	5.53	4.84	5.00	Pass	
HE40	MCS0	2	107	6485	Full	0.03	0.03			-0.82	5.53	4.71	5.00	Pass	
HE80	MCS0	2	103	6465	Full	0.06	0.06			-0.58	5.53	4.95	5.00	Pass	

U-NII-6 straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4			
HE40	MCS0	2	115	6525	Full	0.03	0.03			-0.66	5.53	4.87	5.00	Pass	
HE80	MCS0	2	119	6545	Full	0.06	0.06			-0.55	5.53	4.98	5.00	Pass	
HE160	MCS0	2	111	6505	Full	0.06	0.06			-0.67	5.53	4.86	5.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	117	6535	Full	18.98	18.98	21.55	21.20	320.00	Pass
HE20	MCS0	2	149	6695	Full	18.98	18.98	21.35	21.50	320.00	Pass
HE20	MCS0	2	181	6855	Full	18.98	18.98	21.30	21.40	320.00	Pass
HE40	MCS0	2	123	6565	Full	38.46	38.56	43.74	43.65	320.00	Pass
HE40	MCS0	2	147	6685	Full	38.36	38.36	43.74	43.29	320.00	Pass
HE40	MCS0	2	179	6845	Full	38.56	38.46	44.19	43.65	320.00	Pass
HE80	MCS0	2	135	6625	Full	77.20	77.20	83.36	82.56	320.00	Pass
HE80	MCS0	2	151	6705	Full	77.20	77.20	83.04	82.56	320.00	Pass
HE80	MCS0	2	167	6785	Full	77.20	77.20	83.20	82.88	320.00	Pass
HE160	MCS0	2	143	6665	Full	156.56	156.08	167.04	166.40	320.00	Pass

U-NII-7 straddle channel MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	185	6875	Full	18.98	18.98	21.35	21.70	320.00	Pass
HE40	MCS0	2	187	6885	Full	38.56	38.56	44.19	43.20	320.00	Pass
HE80	MCS0	2	183	6865	Full	77.20	77.44	82.56	82.72	320.00	Pass
HE160	MCS0	2	175	6825	Full	156.08	156.32	166.72	166.72	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4			
HE20	MCS0	2	117	6535	Full	0.06	0.06	7.20	7.40	10.31	3.40	13.71	30.00	Pass	
HE20	MCS0	2	149	6695	Full	0.06	0.06	7.00	7.00	10.01	3.40	13.41	30.00	Pass	
HE20	MCS0	2	181	6855	Full	0.06	0.06	7.40	7.60	10.51	3.40	13.91	30.00	Pass	
HE40	MCS0	2	123	6565	Full	0.03	0.03	10.30	10.00	13.16	3.40	16.56	30.00	Pass	
HE40	MCS0	2	147	6685	Full	0.03	0.03	10.20	10.20	13.21	3.40	16.61	30.00	Pass	
HE40	MCS0	2	179	6845	Full	0.03	0.03	10.20	10.30	13.26	3.40	16.66	30.00	Pass	
HE80	MCS0	2	135	6625	Full	0.06	0.06	12.90	13.00	15.96	3.40	19.36	30.00	Pass	
HE80	MCS0	2	151	6705	Full	0.06	0.06	12.50	12.80	15.66	3.40	19.06	30.00	Pass	
HE80	MCS0	2	167	6785	Full	0.06	0.06	13.00	12.90	15.96	3.40	19.36	30.00	Pass	
HE160	MCS0	2	143	6665	Full	0.06	0.06	15.40	15.40	18.41	3.40	21.81	30.00	Pass	

U-NII-7 straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4			
HE20	MCS0	2	185	6875	Full	0.06	0.06	7.50	7.90	10.71	3.40	14.11	30.00	Pass	
HE40	MCS0	2	187	6885	Full	0.03	0.03	10.30	10.50	13.41	3.40	16.81	30.00	Pass	
HE80	MCS0	2	183	6865	Full	0.06	0.06	13.00	13.30	16.16	3.40	19.56	30.00	Pass	
HE160	MCS0	2	175	6825	Full	0.06	0.06	16.20	16.20	19.21	3.40	22.61	30.00	Pass	

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO															
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	SUM		
HE20	MCS0	2	117	6535	Full	0.06	0.06			-0.66	5.53	4.87	5.00	Pass	
HE20	MCS0	2	149	6695	Full	0.06	0.06			-0.91	5.53	4.62	5.00	Pass	
HE20	MCS0	2	181	6855	Full	0.06	0.06			-0.55	5.53	4.98	5.00	Pass	
HE40	MCS0	2	123	6565	Full	0.03	0.03			-0.58	5.53	4.95	5.00	Pass	
HE40	MCS0	2	147	6685	Full	0.03	0.03			-0.59	5.53	4.94	5.00	Pass	
HE40	MCS0	2	179	6845	Full	0.03	0.03			-0.81	5.53	4.72	5.00	Pass	
HE80	MCS0	2	135	6625	Full	0.06	0.06			-0.67	5.53	4.86	5.00	Pass	
HE80	MCS0	2	151	6705	Full	0.06	0.06			-0.59	5.53	4.94	5.00	Pass	
HE80	MCS0	2	167	6785	Full	0.06	0.06			-0.72	5.53	4.81	5.00	Pass	
HE160	MCS0	2	143	6665	Full	0.06	0.06			-0.94	5.53	4.59	5.00	Pass	

U-NII-7 straddle channel MIMO															
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	SUM		
HE20	MCS0	2	185	6875	Full	0.06	0.06			-0.80	5.53	4.73	5.00	Pass	
HE40	MCS0	2	187	6885	Full	0.03	0.03			-0.97	5.53	4.56	5.00	Pass	
HE80	MCS0	2	183	6865	Full	0.06	0.06			-0.65	5.53	4.88	5.00	Pass	
HE160	MCS0	2	175	6825	Full	0.06	0.06			-0.64	5.53	4.89	5.00	Pass	

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 MIMO											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	189	6895	Full	18.98	18.98	21.30	21.55	320.00	Pass
HE20	MCS0	2	209	6995	Full	18.93	18.93	21.05	21.20	320.00	Pass
HE20	MCS0	2	233	7115	Full	18.93	18.93	21.35	21.30	320.00	Pass
HE40	MCS0	2	195	6925	Full	38.46	38.56	43.29	43.11	320.00	Pass
HE40	MCS0	2	211	7005	Full	38.36	38.36	44.01	43.47	320.00	Pass
HE40	MCS0	2	227	7085	Full	38.46	38.36	43.56	43.74	320.00	Pass
HE80	MCS0	2	199	6945	Full	77.32	77.32	82.40	82.56	320.00	Pass
HE80	MCS0	2	215	7025	Full	77.20	77.32	82.56	82.56	320.00	Pass
HE160	MCS0	2	207	6985	Full	156.32	156.80	165.76	166.08	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	SUM		
HE20	MCS0	2	189	6895	Full	0.06	0.06	7.40	7.70	10.56	3.40	13.96	30.00	Pass	
HE20	MCS0	2	209	6995	Full	0.06	0.06	7.20	7.40	10.31	3.40	13.71	30.00	Pass	
HE20	MCS0	2	233	7115	Full	0.06	0.06	-7.70	-9.10	-5.33	3.40	-1.93	30.00	Pass	
HE40	MCS0	2	195	6925	Full	0.03	0.03	10.50	10.40	13.46	3.40	16.86	30.00	Pass	
HE40	MCS0	2	211	7005	Full	0.03	0.03	10.50	10.30	13.41	3.40	16.81	30.00	Pass	
HE40	MCS0	2	227	7085	Full	0.03	0.03	11.50	11.40	14.46	3.40	17.86	30.00	Pass	
HE80	MCS0	2	199	6945	Full	0.06	0.06	13.10	13.50	16.31	3.40	19.71	30.00	Pass	
HE80	MCS0	2	215	7025	Full	0.06	0.06	14.00	14.00	17.01	3.40	20.41	30.00	Pass	
HE160	MCS0	2	207	6985	Full	0.06	0.06	16.10	16.10	19.11	3.40	22.51	30.00	Pass	

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	SUM		
HE20	MCS0	2	189	6895	Full	0.06	0.06			-0.66	5.53	4.87	5.00	Pass	
HE20	MCS0	2	209	6995	Full	0.06	0.06			-0.98	5.53	4.55	5.00	Pass	
HE20	MCS0	2	233	7115	Full	0.06	0.06			-18.10	5.53	-12.57	5.00	Pass	
HE40	MCS0	2	195	6925	Full	0.03	0.03			-0.63	5.53	4.90	5.00	Pass	
HE40	MCS0	2	211	7005	Full	0.03	0.03			-0.97	5.53	4.56	5.00	Pass	
HE40	MCS0	2	227	7085	Full	0.03	0.03			-0.81	5.53	4.72	5.00	Pass	
HE80	MCS0	2	199	6945	Full	0.06	0.06			-0.67	5.53	4.86	5.00	Pass	
HE80	MCS0	2	215	7025	Full	0.06	0.06			-0.63	5.53	4.90	5.00	Pass	
HE160	MCS0	2	207	6985	Full	0.06	0.06			-0.64	5.53	4.89	5.00	Pass	



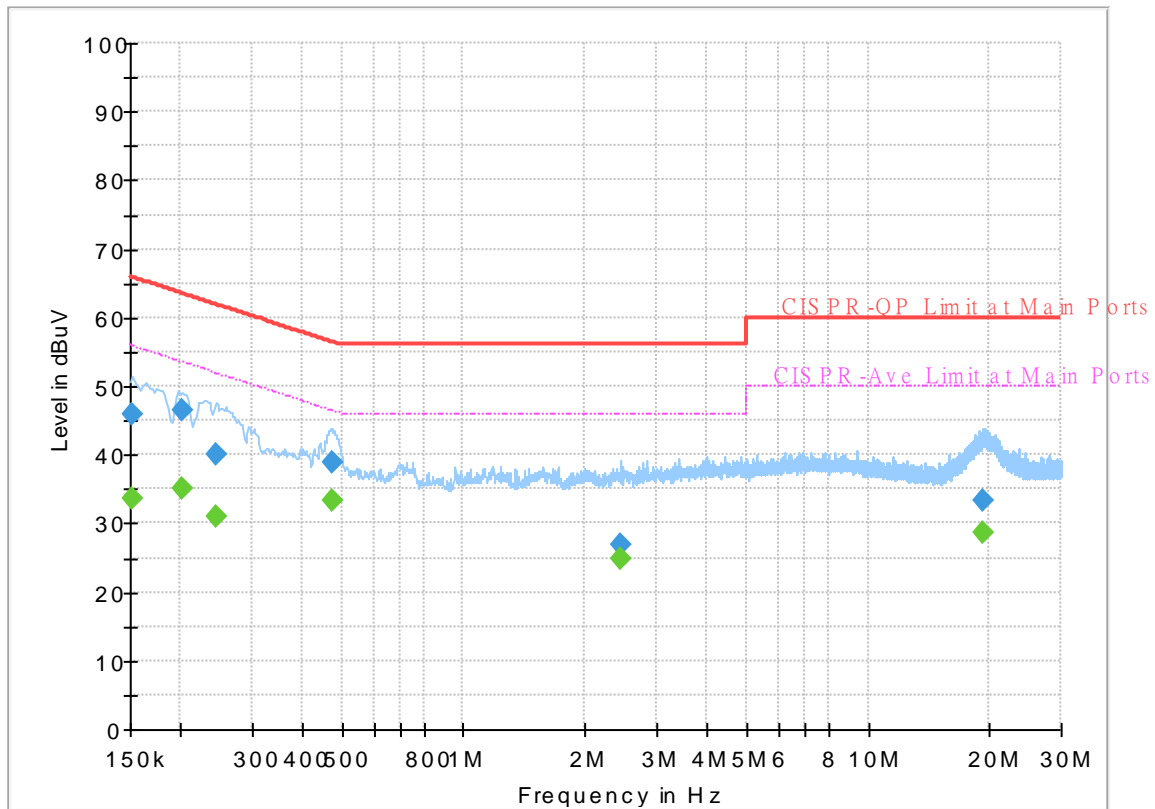
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calivn Wang	Temperature :	23~26°C
		Relative Humidity :	45~55%

EUT Information

Report NO : 190614-06
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



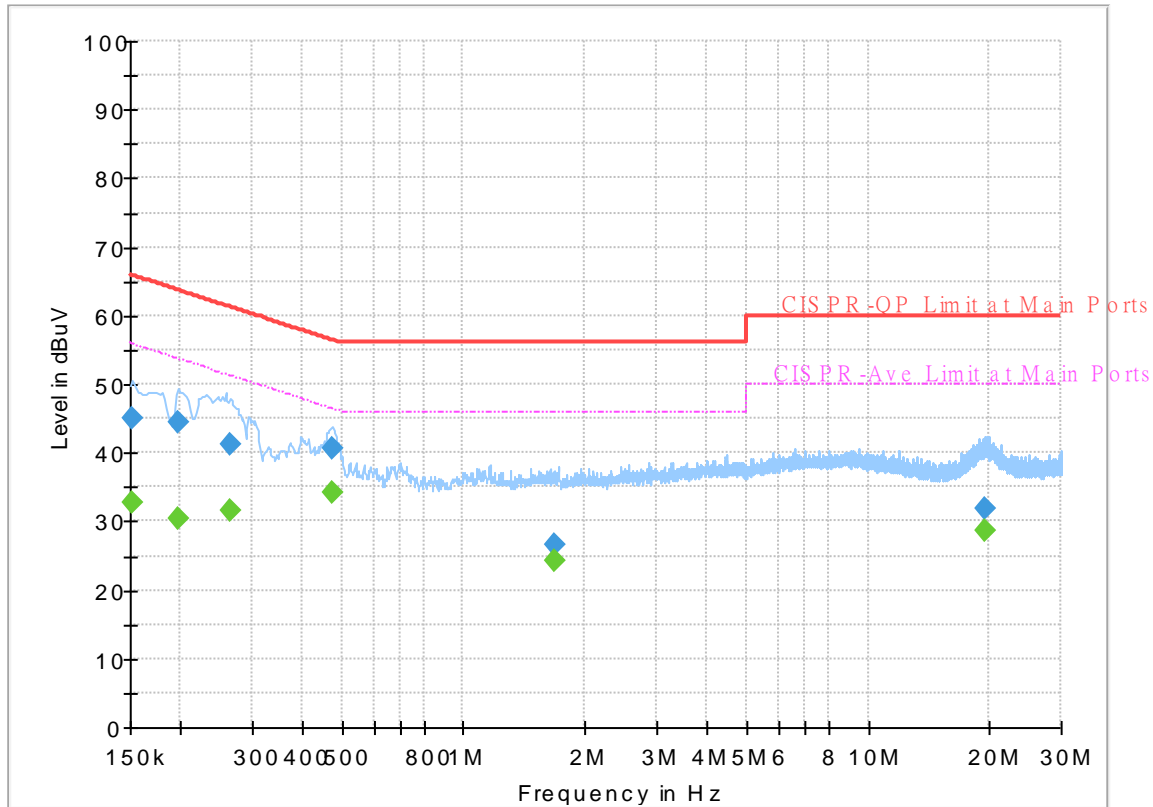
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	33.51	55.88	22.37	L1	OFF	19.8
0.152250	45.89	---	65.88	19.99	L1	OFF	19.8
0.201750	---	35.06	53.54	18.48	L1	OFF	19.8
0.201750	46.55	---	63.54	16.99	L1	OFF	19.8
0.244500	---	31.07	51.94	20.87	L1	OFF	19.8
0.244500	40.11	---	61.94	21.83	L1	OFF	19.8
0.471750	---	33.34	46.48	13.14	L1	OFF	19.8
0.471750	38.91	---	56.48	17.57	L1	OFF	19.8
2.454000	---	24.83	46.00	21.17	L1	OFF	19.9
2.454000	26.80	---	56.00	29.20	L1	OFF	19.9
19.194000	---	28.75	50.00	21.25	L1	OFF	20.5
19.194000	33.28	---	60.00	26.72	L1	OFF	20.5

EUT Information

Report NO : 190614-06
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.65	55.88	23.23	N	OFF	19.8
0.152250	45.08	---	65.88	20.80	N	OFF	19.8
0.197250	---	30.42	53.73	23.31	N	OFF	19.8
0.197250	44.37	---	63.73	19.36	N	OFF	19.8
0.264750	---	31.66	51.28	19.62	N	OFF	19.8
0.264750	41.18	---	61.28	20.10	N	OFF	19.8
0.474000	---	34.14	46.44	12.30	N	OFF	19.8
0.474000	40.79	---	56.44	15.65	N	OFF	19.8
1.671000	---	24.29	46.00	21.71	N	OFF	19.9
1.671000	26.51	---	56.00	29.49	N	OFF	19.9
19.488750	---	28.53	50.00	21.47	N	OFF	20.6
19.488750	31.76	---	60.00	28.24	N	OFF	20.6



Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Howard Huang	Temperature :	21~26°C
		Relative Humidity :	47~65%

Band 5 - 5925~6425MHz

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

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5922.86	59.59	-28.61	88.2	47.19	35.15	12.51	35.26	100	85	P	H	
		5924.82	46.02	-22.18	68.2	33.62	35.15	12.51	35.26	100	85	A	H	
	*	5955	111.92	-	-	99.56	35.1	12.55	35.29	100	85	P	H	
	*	5955	103.49	-	-	91.13	35.1	12.55	35.29	100	85	A	H	
													H	
														H
			5922.58	59.45	-28.75	88.2	47.05	35.15	12.51	35.26	240	315	P	V
			5924.82	47.02	-21.18	68.2	34.62	35.15	12.51	35.26	240	315	A	V
		*	5955	114.25	-	-	101.89	35.1	12.55	35.29	240	315	P	V
		*	5955	105.69	-	-	93.33	35.1	12.55	35.29	240	315	A	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5922.9	61.88	-26.32	88.2	49.48	35.15	12.51	35.26	100	86	P	H	
		5925	50.48	-17.72	68.2	38.08	35.15	12.51	35.26	100	86	A	H	
	*	5965	108.83	-	-	96.47	35.1	12.57	35.31	100	86	P	H	
	*	5965	100.88	-	-	88.52	35.1	12.57	35.31	100	86	A	H	
													H	
														H
			5915.16	61.63	-26.57	88.2	49.22	35.17	12.5	35.26	100	286	P	V
			5921.82	49.78	-18.42	68.2	37.37	35.16	12.51	35.26	100	286	A	V
	*		5965	110.24	-	-	97.88	35.1	12.57	35.31	100	286	P	V
	*		5965	101.55	-	-	89.19	35.1	12.57	35.31	100	286	A	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 HE80 Full (Band Edge @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE80 Full CH 07 5985MHz		5923.4	68.71	-19.49	88.2	56.31	35.15	12.51	35.26	100	92	P	H	
		5923.56	60.84	-7.36	68.2	48.44	35.15	12.51	35.26	100	92	A	H	
	*	5985	106.49	-	-	94.12	35.1	12.6	35.33	100	92	P	H	
	*	5985	98.59	-	-	86.22	35.1	12.6	35.33	100	92	A	H	
													H	
														H
			5922.6	68.39	-19.81	88.2	55.99	35.15	12.51	35.26	100	286	P	V
			5925	55.36	-12.84	68.2	42.96	35.15	12.51	35.26	100	286	A	V
	*		5985	107.21	-	-	94.84	35.1	12.6	35.33	100	286	P	V
	*		5985	98.55	-	-	86.18	35.1	12.6	35.33	100	286	A	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		5892.84	70.36	-17.84	88.2	57.93	35.2	12.46	35.23	100	88	P	H	
		5893.16	59.36	-8.84	68.2	46.92	35.2	12.47	35.23	100	88	A	H	
	*	6025	103.03	-	-	90.6	35.1	12.65	35.32	100	88	P	H	
	*	6025	95.26	-	-	82.83	35.1	12.65	35.32	100	88	A	H	
													H	
													H	
			5873.64	70.55	-17.65	88.2	58.12	35.2	12.44	35.21	241	314	P	V
			5884.52	59.84	-8.36	68.2	47.41	35.2	12.45	35.22	241	314	A	V
	*		6025	102.07	-	-	89.64	35.1	12.65	35.32	241	314	P	V
	*		6025	93.21	-	-	80.78	35.1	12.65	35.32	241	314	A	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 HE80 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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		12050	45.29	-28.71	74	43.62	38.8	19.1	56.23	-	-	P	H
		18066	34.75	-39.25	74	50.6	37.54	6.22	59.61	-	-	P	H
													H
													H
		12050	44.72	-29.28	74	43.05	38.8	19.1	56.23	-	-	P	V
		18075	33.78	-40.22	74	49.63	37.54	6.22	59.61	-	-	P	V
													V
802.11ax HE160 Full CH 47 6185MHz		12368	44.75	-29.25	74	43	38.94	19.39	56.58	-	-	P	H
		18550	36.39	-37.61	74	51.83	37.84	6.43	59.71	-	-	P	H
													H
													H
		12368	44.74	-29.26	74	42.99	38.94	19.39	56.58	-	-	P	V
		18550	36.2	-37.8	74	51.64	37.84	6.43	59.71	-	-	P	V
													V
802.11ax HE160 Full CH 79 6345MHz		12690	45.6	-28.4	74	43.9	39.19	19.68	57.17	-	-	P	H
		19035	35.23	-38.77	74	50.57	37.82	6.64	59.8	-	-	P	H
													H
													H
		12690	45.07	-28.93	74	43.37	39.19	19.68	57.17	-	-	P	V
		19035	34.44	-39.56	74	49.78	37.82	6.64	59.8	-	-	P	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.												



Band 6 - 6425~6525MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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 111 6505MHz		13010	45	-43.2	88.2	43.74	39.18	19.97	57.89	-	-	P	H	
		19515	35.82	-38.18	74	51.26	37.51	6.85	59.8	-	-	P	H	
													H	
													H	
			13010	45.15	-43.05	88.2	43.89	39.18	19.97	57.89	-	-	P	V
			19515	35.85	-38.15	74	51.29	37.51	6.85	59.8	-	-	P	V
														V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



Band 7 - 6525~6875MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE160 Full CH 143 6665MHz		13330	44.63	-29.37	74	43.07	39.14	20.36	57.94	-	-	P	H
		19995	34.62	-39.38	74	49.86	37.6	7.06	59.9	-	-	P	H
													H
													H
		13330	45.34	-28.66	74	43.78	39.14	20.36	57.94	-	-	P	V
		19995	34.12	-39.88	74	49.36	37.6	7.06	59.9	-	-	P	V
802.11ax HE160 Full CH 175 6825MHz		13650	43.82	-44.38	88.2	42.2	38.75	20.75	57.88	-	-	P	H
		20475	37.14	-36.86	74	52	37.87	7.26	59.99	-	-	P	H
													H
													H
		13650	44.22	-43.98	88.2	42.6	38.75	20.75	57.88	-	-	P	V
		20475	35.4	-38.6	74	50.26	37.87	7.26	59.99	-	-	P	V
													V
													V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 												



Band 8 - 6875~7125MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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 7115MHz	*	7115	86.77	-	-	72.81	35.54	13.79	35.37	100	107	P	H	
	*	7115	77.86	-	-	63.9	35.54	13.79	35.37	100	107	A	H	
		7125.02	72.06	-16.14	88.2	58.14	35.5	13.8	35.38	100	107	P	H	
		7125.02	66.52	-1.68	68.2	52.6	35.5	13.8	35.38	100	107	A	H	
													H	
														H
	*	7115	88.22	-	-	74.26	35.54	13.79	35.37	242	144	P	V	
	*	7115	79.17	-	-	65.21	35.54	13.79	35.37	242	144	A	V	
		7125.02	71.02	-17.18	88.2	57.1	35.5	13.8	35.38	242	144	P	V	
		7125.02	67.52	-0.68	68.2	53.6	35.5	13.8	35.38	242	144	A	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. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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	108.52	-	-	94.49	35.63	13.75	35.35	100	106	P	H
	*	7085	100.08	-	-	86.05	35.63	13.75	35.35	100	106	A	H
		7127.64	62.6	-25.6	88.2	48.69	35.49	13.8	35.38	100	106	P	H
		7125	47.73	-20.47	68.2	33.81	35.5	13.8	35.38	100	106	A	H
													H
													H
	*	7085	109.83	-	-	95.8	35.63	13.75	35.35	313	131	P	V
	*	7085	101.12	-	-	87.09	35.63	13.75	35.35	313	131	A	V
		7125.48	61.3	-26.9	88.2	47.38	35.5	13.8	35.38	313	131	P	V
		7126.74	51.85	-16.35	68.2	37.94	35.49	13.8	35.38	313	131	A	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 HE80 Full (Band Edge @ 3m)**

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 215 7025MHz	*	7025	105.27	-	-	91.09	35.8	13.68	35.3	100	101	P	H
	*	7025	97.25	-	-	83.07	35.8	13.68	35.3	100	101	A	H
		7129.96	55.93	-32.27	88.2	42.02	35.48	13.81	35.38	100	101	P	H
		7126.28	45.53	-22.67	68.2	31.62	35.49	13.8	35.38	100	101	A	H
													H
													H
	*	7025	106.66	-	-	92.48	35.8	13.68	35.3	266	125	P	V
	*	7025	97.46	-	-	83.28	35.8	13.68	35.3	266	125	A	V
		7127.72	54.5	-33.7	88.2	40.59	35.49	13.8	35.38	266	125	P	V
		7128.04	45.02	-23.18	68.2	31.11	35.49	13.8	35.38	266	125	A	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 HE160 Full (Band Edge @ 3m)**

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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 207 6985MHz	*	6985	101.89	-	-	87.64	35.9	13.64	35.29	100	102	P	H
	*	6985	93.16	-	-	78.91	35.9	13.64	35.29	100	102	A	H
		7136.36	62.73	-25.47	88.2	48.86	35.45	13.81	35.39	100	102	P	H
		7126.12	53.82	-14.38	68.2	39.9	35.5	13.8	35.38	100	102	A	H
													H
													H
	*	6985	102.43	-	-	88.18	35.9	13.64	35.29	238	143	P	V
	*	6985	92.71	-	-	78.46	35.9	13.64	35.29	238	143	A	V
		7134.12	66.54	-21.66	88.2	52.66	35.46	13.81	35.39	238	143	P	V
		7133.48	53.94	-14.26	68.2	40.05	35.47	13.81	35.39	238	143	A	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 HE160 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (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 207 6985MHz		13970	46.23	-41.97	88.2	43.99	38.8	21.14	57.7	-	-	P	H	
		20955	36.12	-37.88	74	50.84	37.82	7.46	60	-	-	P	H	
													H	
													H	
			13970	46.3	-41.9	88.2	44.06	38.8	21.14	57.7	-	-	P	V
			20955	36.51	-37.49	74	51.23	37.82	7.46	60	-	-	P	V
														V
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



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	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		5925	55.45	-32.75	88.2	54.51	32.22	4.58	35.86	103	308	P	H
CH 01		5925	43.54	-24.66	68.2	42.6	32.22	4.58	35.86	103	308	A	H
5955MHz													

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

For Peak Limit @ 5925MHz:

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. Margin(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -32.75(dB)

For Average Limit @ 5925MHz:

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. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -24.66(dB)

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

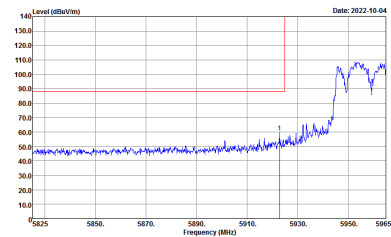
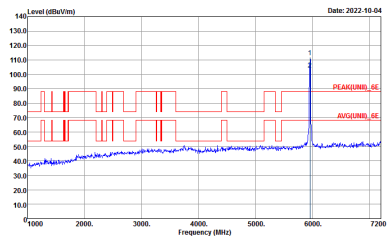
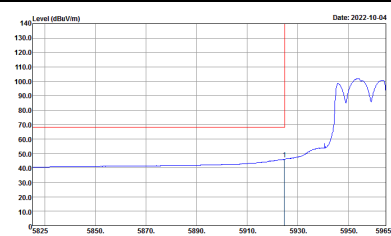


Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Jesse Wang, Stan Hsieh and Howard Huang	Temperature :	21~26°C
		Relative Humidity :	47~65%



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	
3+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_SE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK[UNII]_SE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_SE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	Left blank



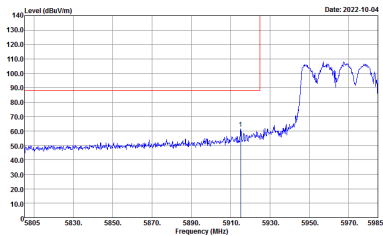
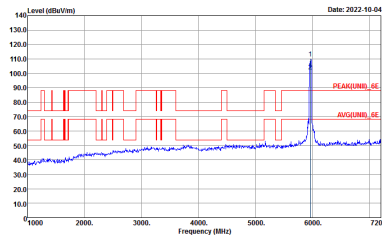
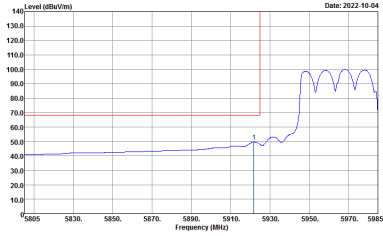
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
3+4	Vertical	Fundamental
Peak	<p>Date: 2022-10-04</p> <p>Site : 03CH07-HY Condition : PEAK_BE(LN101)_E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Date: 2022-10-04</p> <p>Site : 03CH07-HY Condition : PEAK(LN101)_E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Date: 2022-10-04</p> <p>Site : 03CH07-HY Condition : AVG_BE(LN101)_E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto</p>	Left blank



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

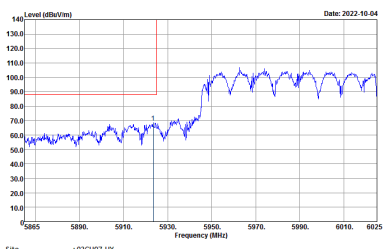
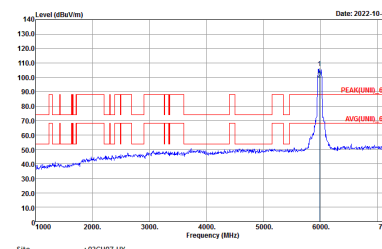
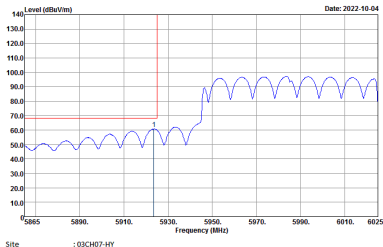
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
3+4	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(UNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE(UNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	Left blank



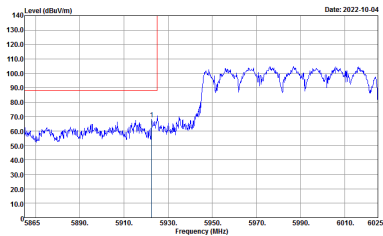
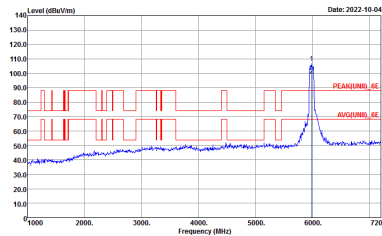
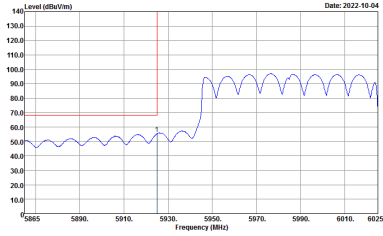
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
3+4	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE[UNII]_E5 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK[UNII]_E5 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE[UNII]_E5 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



Band 5 5925~6425MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

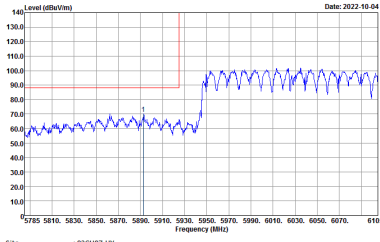
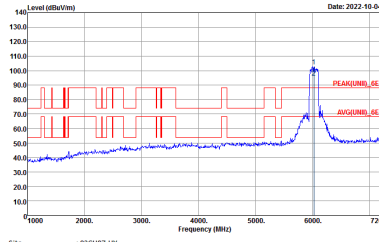
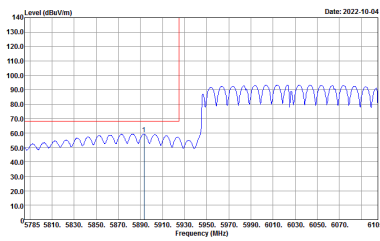
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
3+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	Left blank



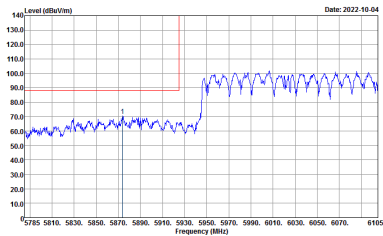
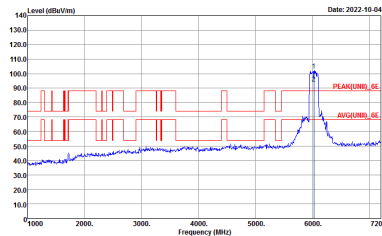
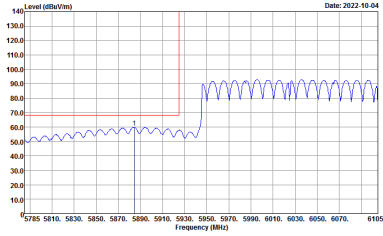
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
3+4	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 5930 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5885 to 6025 MHz. A red horizontal line is drawn at approximately 90 dBuV/m.</p> <p>Site : 03CH07-HY Condition : PEAK_BE(UNIT)_E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 6000 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 4000 to 7200 MHz. Two red horizontal lines are drawn at approximately 90 dBuV/m (labeled PEAK(FUN)_E) and 70 dBuV/m (labeled AVG(FUN)_E).</p> <p>Site : 03CH07-HY Condition : PEAK(FUN)_E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average level across the frequency range. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5885 to 6025 MHz. A red horizontal line is drawn at approximately 90 dBuV/m.</p> <p>Site : 03CH07-HY Condition : AVG_BE(UNIT)_E 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	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	
3+4	Horizontal	Fundamental
<p align="center">Peak</p>	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTA:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTA:Auto</p>
<p align="center">Avg.</p>	 <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.0100kHz SWTA:Auto</p>	<p align="center">Left blank</p>



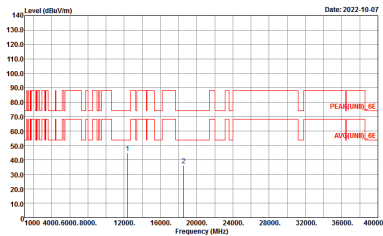
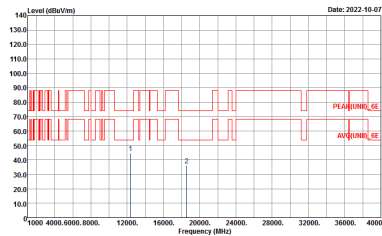
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
3+4	Vertical	Fundamental
Peak	 <p>Level (dBV/m) vs Frequency (MHz) plot showing a peak at approximately 5925 MHz. The y-axis ranges from 10.0 to 140.0 dBV/m, and the x-axis ranges from 5745 to 6165 MHz. A red line indicates the peak level at approximately 135 dBV/m.</p> <p>Site : 03CH07-HY Condition : PEAK_BE(LN11)_SE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBV/m) vs Frequency (MHz) plot showing a peak at approximately 6025 MHz. The y-axis ranges from 0 to 140 dBV/m, and the x-axis ranges from 4000 to 7200 MHz. A red line indicates the peak level at approximately 105 dBV/m.</p> <p>Site : 03CH07-HY Condition : PEAK(LN11)_SE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Level (dBV/m) vs Frequency (MHz) plot showing an average level at approximately 5925 MHz. The y-axis ranges from 10.0 to 140.0 dBV/m, and the x-axis ranges from 5745 to 6165 MHz. A red line indicates the average level at approximately 85 dBV/m.</p> <p>Site : 03CH07-HY Condition : AVG_BE(LN11)_SE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



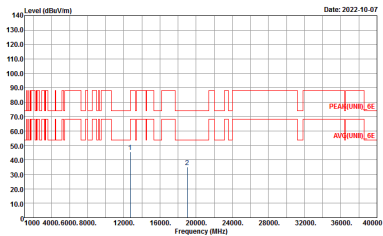
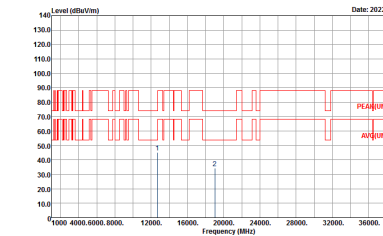
Band 5 - 5925~6425MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
3+4	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(AVNI)_E 1m SHF-EHF_9170251 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(AVNI)_E 1m SHF-EHF_9170251 VERTICAL</p>



WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH47 6185MHz	
3+4	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 09CH07-HY Condition : PEAK(UWB)_E 1m SHF-EHF_5170251 HORIZONTAL</p>	 <p>Site : 09CH07-HY Condition : PEAK(UWB)_E 1m SHF-EHF_5170251 VERTICAL</p>



WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH79 6345MHz	
3+4	Horizontal	Vertical
Peak Avg.	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">  <p style="font-size: small;">Date: 2022-10-07 Site : 09CH07-HY Condition : PEAK(UWB)_E 1m SHF-EHF_5170251 HORIZONTAL</p> </div> <div style="width: 45%;">  <p style="font-size: small;">Date: 2022-10-07 Site : 09CH07-HY Condition : PEAK(UWB)_E 1m SHF-EHF_5170251 VERTICAL</p> </div> </div>	

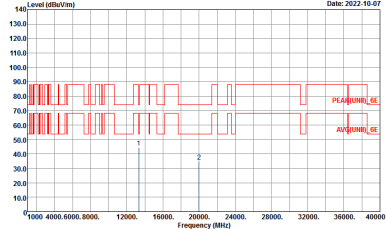
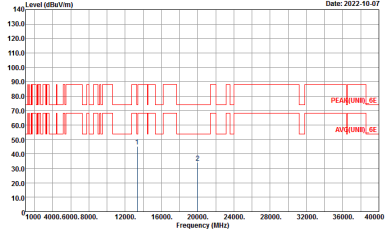


Band 6 - 6425~6525MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Band 6 6425~6525MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH111 6505MHz	
3+4	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UWII)_GE 1m SHF-EHF_9170221 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UWII)_GE 1m SHF-EHF_9170221 VERTICAL</p>



Band 7 - 6525~6875MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

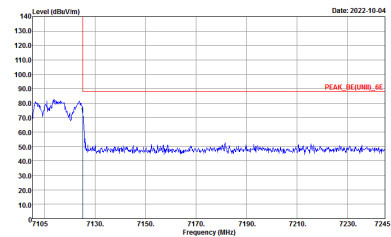
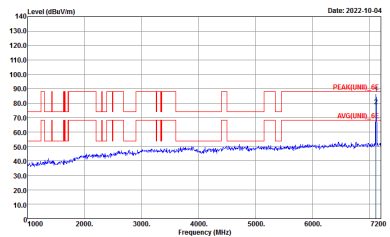
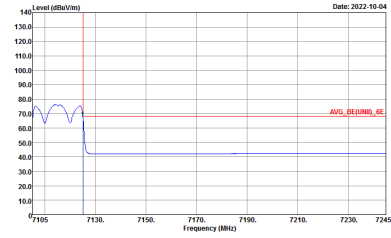
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH143 6665MHz	
3+4	Horizontal	Vertical
<p align="center">Peak Avg.</p>	 <p>Site : 03CH07-HY Condition : PEAK(AVG)_SE 1m SHF-EHF_9170251 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(AVG)_SE 1m SHF-EHF_9170251 VERTICAL</p>



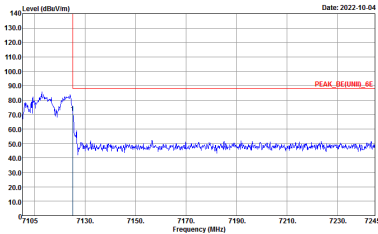
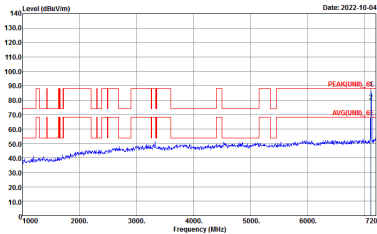
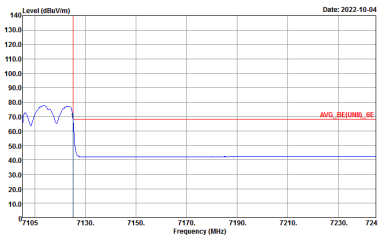
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH175 6825MHz	
3+4	Horizontal	Vertical
Peak Avg.	<p>Site : 09CH07-HY Condition : PEAK(UWB)_6E 1m SHF-EHF_9170251 HORIZONTAL</p>	<p>Site : 09CH07-HY Condition : PEAK(UWB)_6E 1m SHF-EHF_9170251 VERTICAL</p>



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

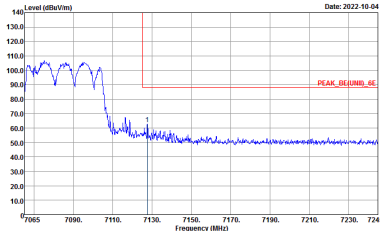
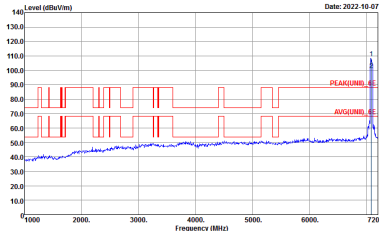
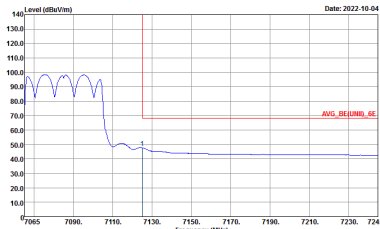
WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH233 7115MHz	
3+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : :PEAK_BE(LNII)_SE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : :PEAK(LNII)_SE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : :AVG_BE(LNII)_SE 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	Left blank



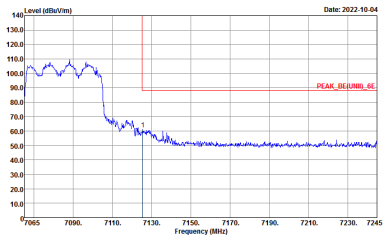
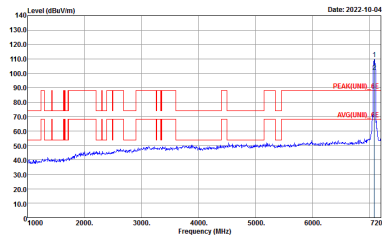
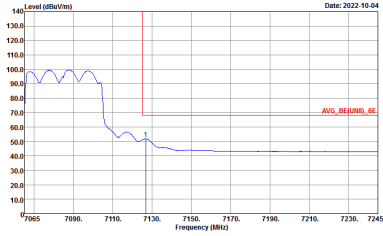
WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH233 7115MHz	
3+4	Vertical	Fundamental
Peak	 <p>Date: 2022-10-04</p> <p>Site : 03CH07-HY Condition : PEAK_BE(LN01)_E 3m HF_ANT_00070962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2022-10-04</p> <p>Site : 03CH07-HY Condition : PEAK(LN01)_E 3m HF_ANT_00070962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Date: 2022-10-04</p> <p>Site : 03CH07-HY Condition : AVG_BE(LN01)_E 3m HF_ANT_00070962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



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

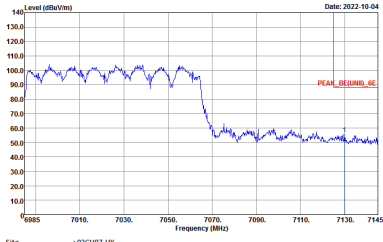
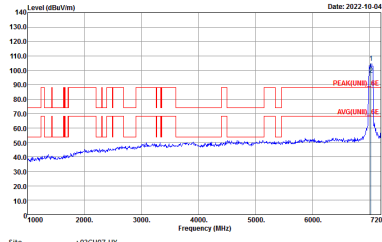
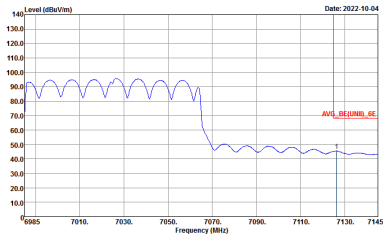
WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH227 7085MHz	
3+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(LNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(LNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(LNII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	Left blank



WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH227 7085MHz	
3+4	Vertical	Fundamental
Peak	 <p>Date: 2022-10-04</p> <p>Site : 03CH07-HY Condition : PEAK_BE(LN01)_E 3m HF_ANT_00070962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2022-10-04</p> <p>Site : 03CH07-HY Condition : PEAK(LN01)_E 3m HF_ANT_00070962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Date: 2022-10-04</p> <p>Site : 03CH07-HY Condition : AVG_BE(LN01)_E 3m HF_ANT_00070962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



Band 8 - 6875~7125MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH215 7025MHz	
3+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(LINII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH07-HY Condition : PEAK(LINII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(LINII)_6E 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto</p>	Left blank



WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH215 7025MHz	
3+4	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(UM)_SE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(UM)_SE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE(UM)_SE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



Band 8 - 6875~7125MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

Table with 4 columns: WIFI, ANT, 3+4, and two main plot areas. The plots show 'Horizontal' and 'Fundamental' waveforms for 'Peak' and 'Avg.' conditions. The 'Fundamental' plot for 'Avg.' is labeled 'Left blank'.



WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH207 6985MHz	
3+4	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(LN10)_SE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH07-HY Condition : PEAK(FUN1)_SE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE(LN10)_SE 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



Band 8 - 6875~7125MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Band 8 6875~7125MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH207 6985MHz	
3+4	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(U/NII)_GE 1m SHF-EHF_9170221 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(U/NII)_GE 1m SHF-EHF_9170221 VERTICAL</p>



Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
3+4	5GHz 802.11ax HE20 Full RU	99.57	-	-	10Hz
3+4	5GHz 802.11ax HE40 Full RU	99.53	-	-	10Hz
3+4	5GHz 802.11ax HE80 Full RU	99.22	-	-	10Hz
3+4	5GHz 802.11ax HE160 Full RU	99.55	-	-	10Hz

MIMO <Ant. 3+4>

