

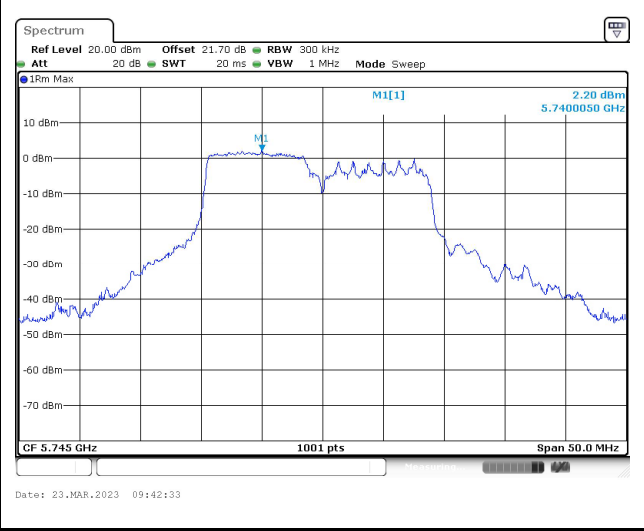
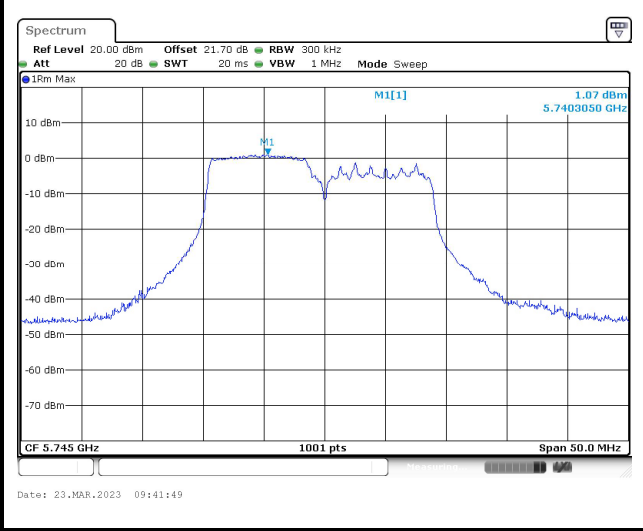


<802.11ax HE20 106RU>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0

MIMO Ant. 1

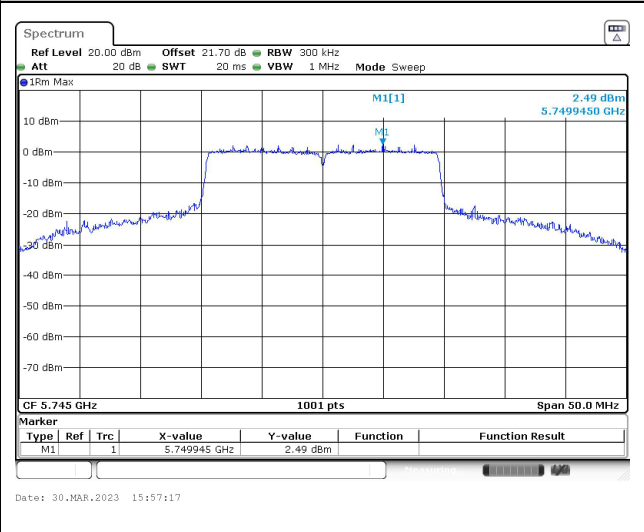
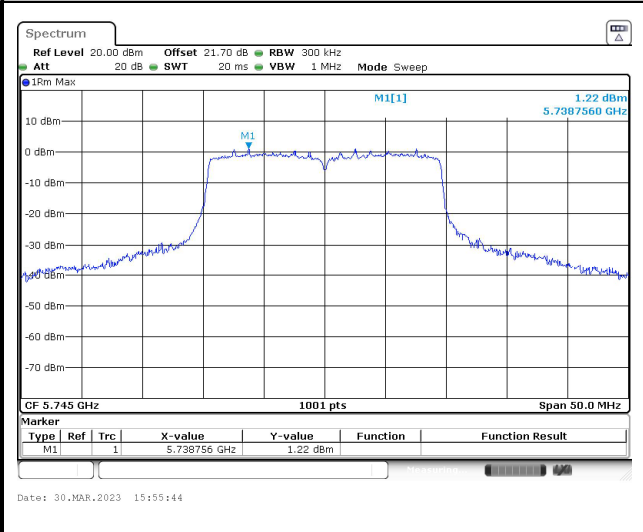


<802.11ax HE20 242RU>

Maximum Power Density Plot (dBm/300kHz)

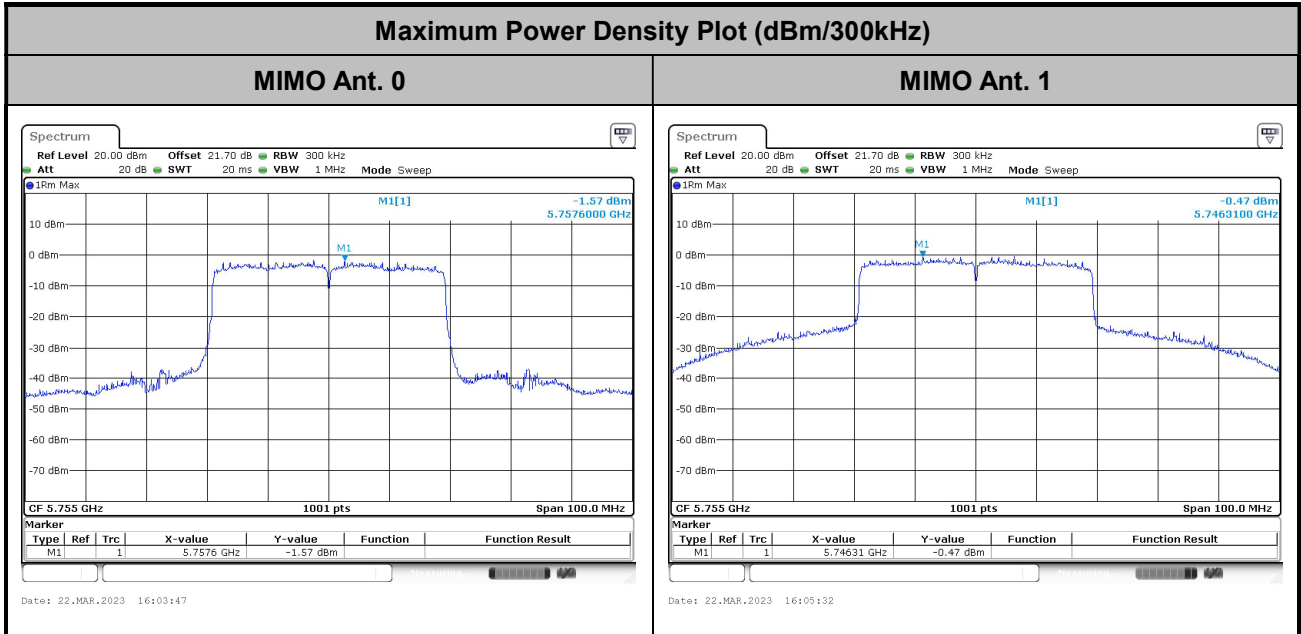
MIMO Ant. 0

MIMO Ant. 1

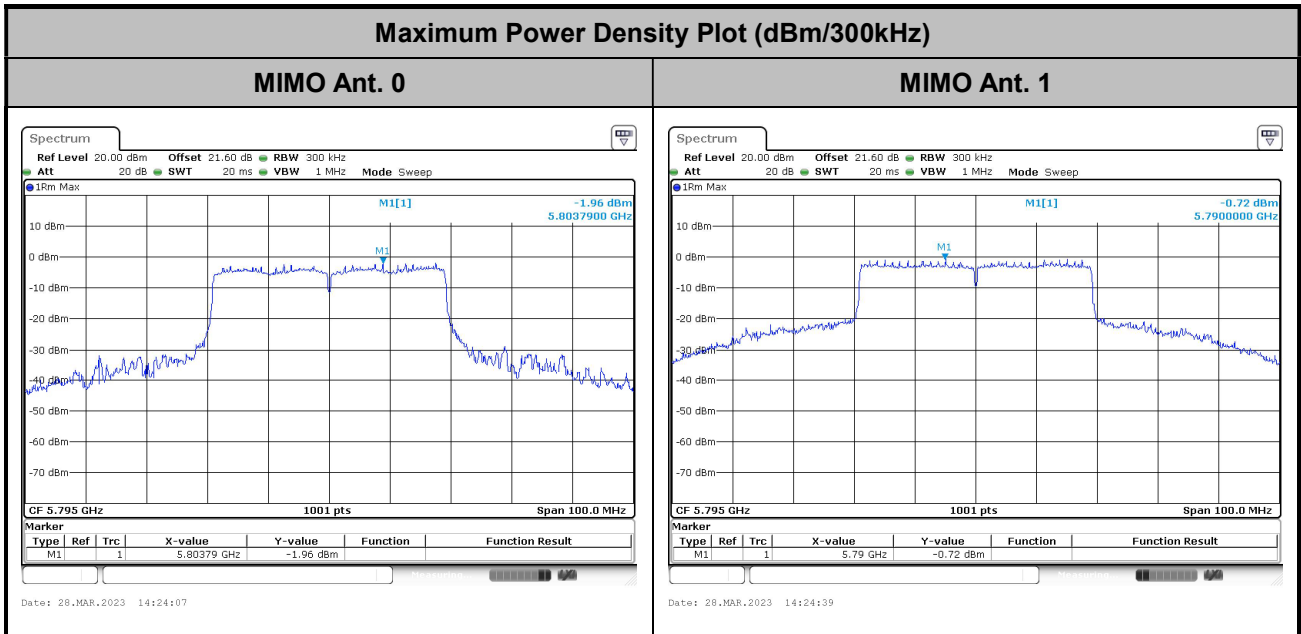




<802.11ax HE40>

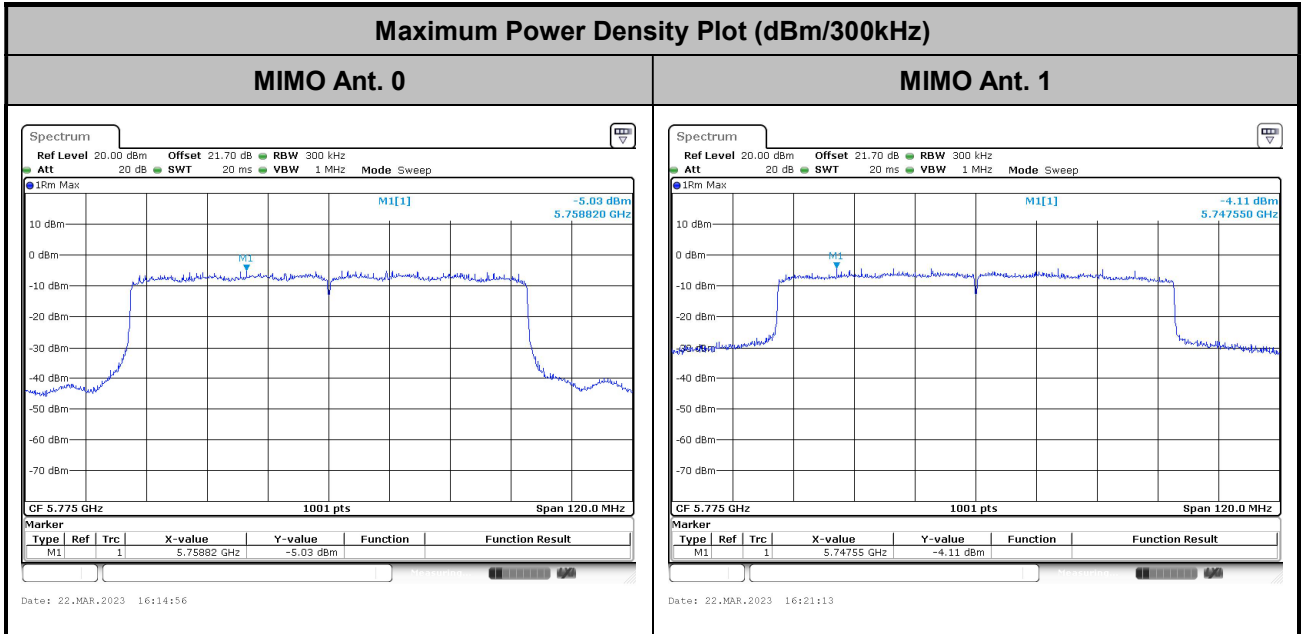


<802.11ax HE40 484RU>

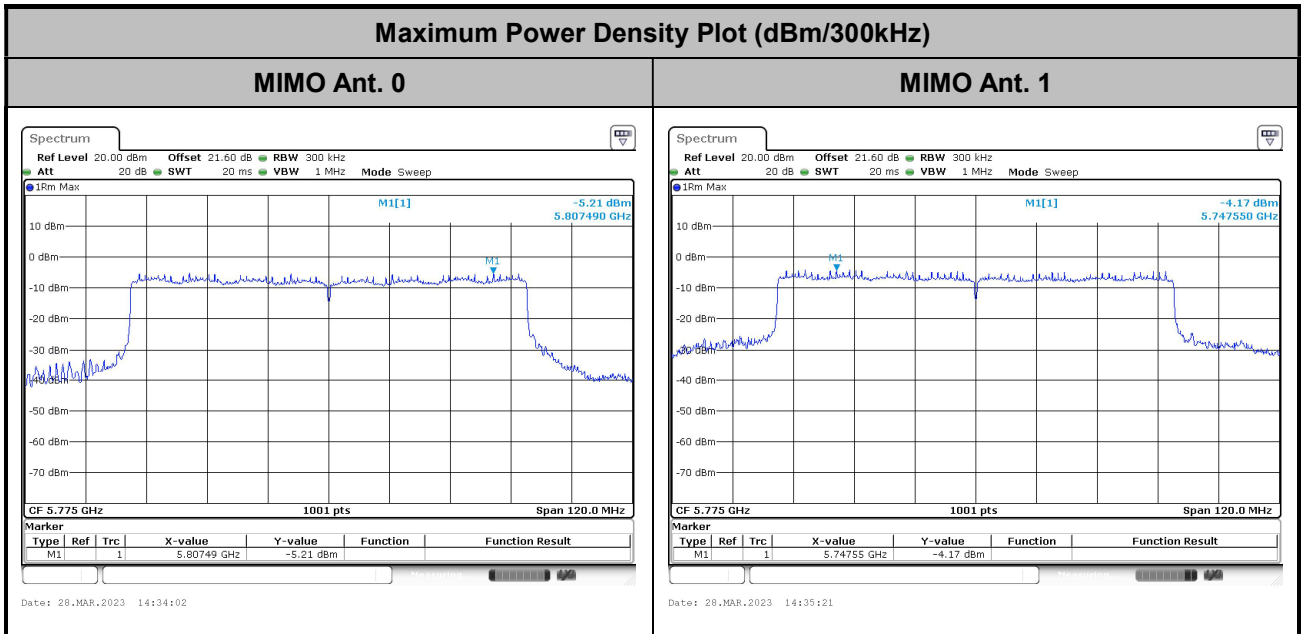




<802.11ax HE80>



<802.11ax HE80 966RU>





3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5.725-5.85 GHz band:
15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (2) Unwanted spurious emissions falls 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.

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



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

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

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

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

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

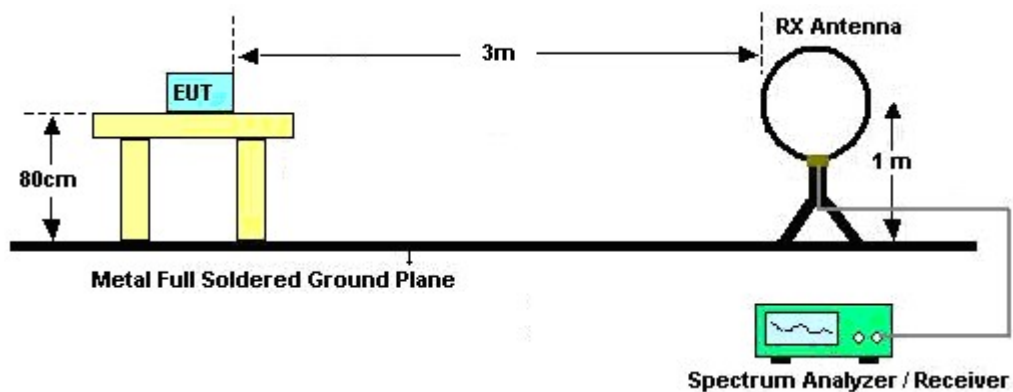
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT 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.

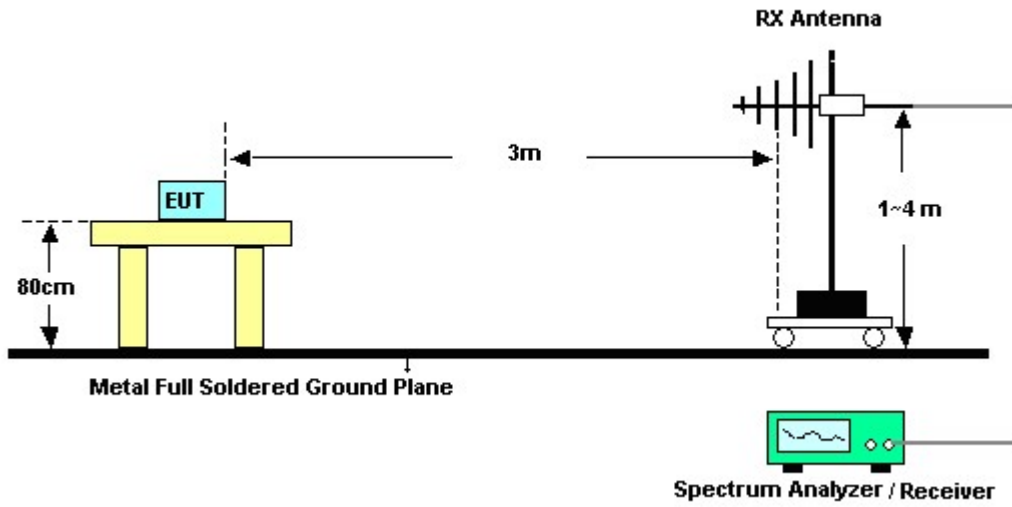
When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

3.4.4 Test Setup

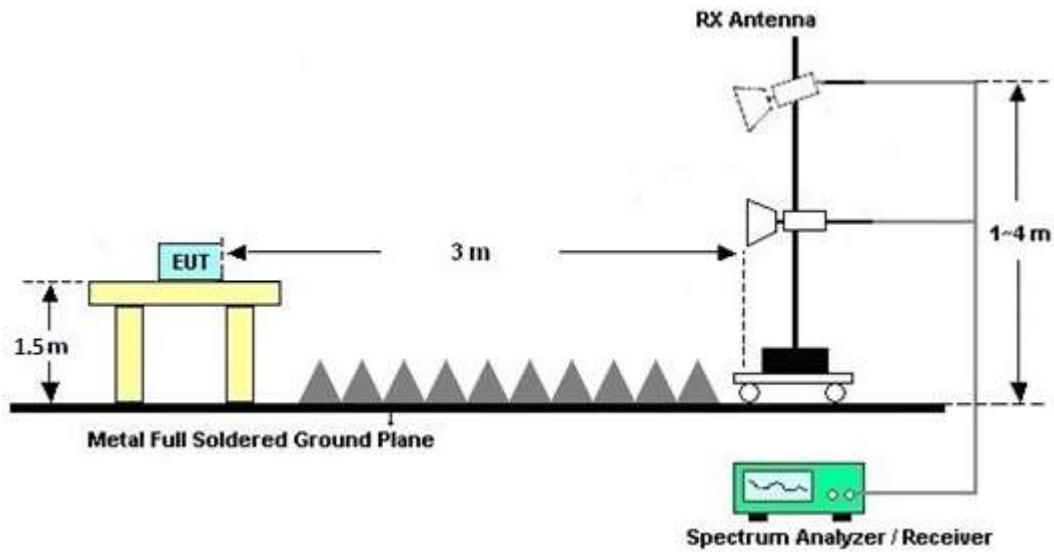
For radiated emissions below 30MHz



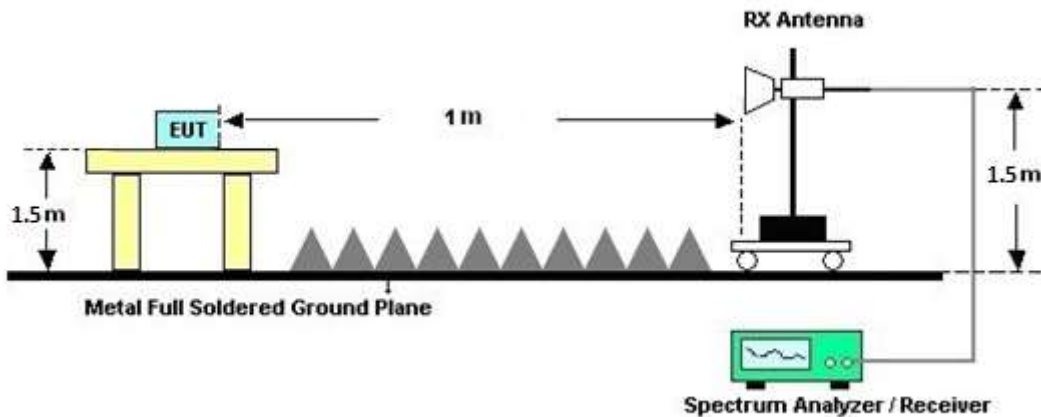
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated 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.

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.



3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

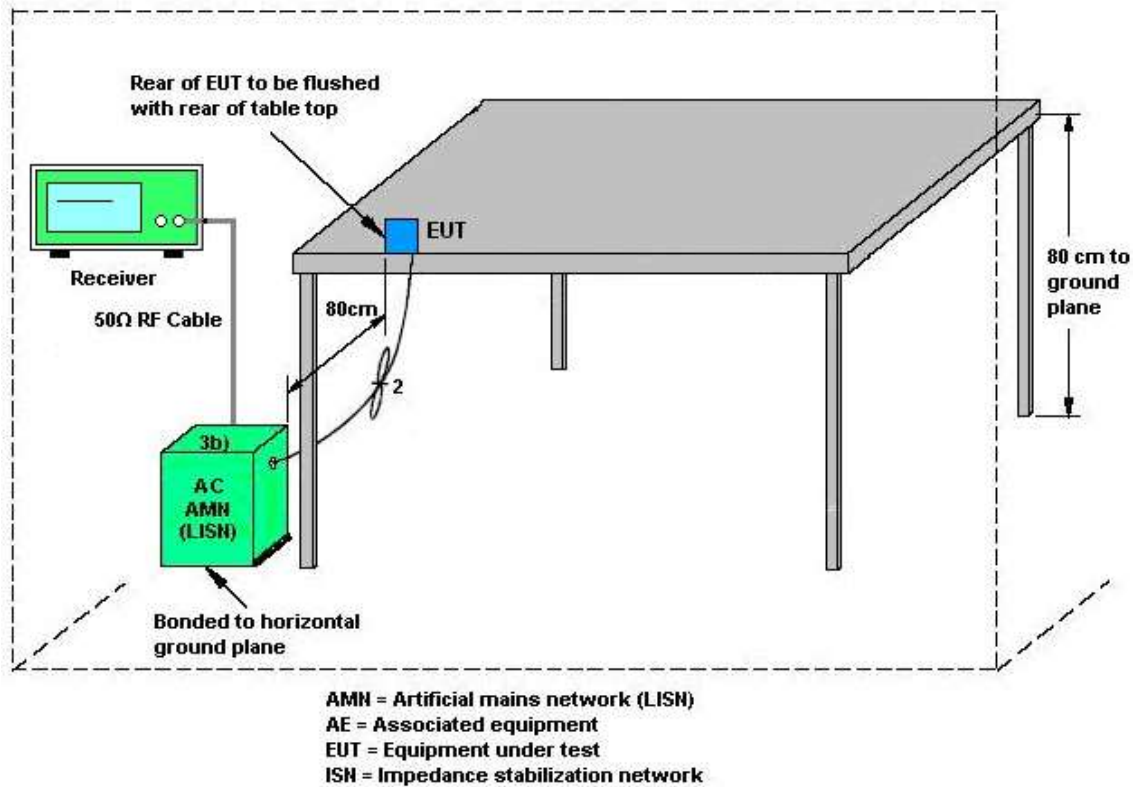
3.5.2 Measuring Instruments

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

3.5.3 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 shall 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.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 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.

3.6.2 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
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 08, 2022	Mar. 23, 2023~ Apr. 01, 2023	Oct. 07, 2023	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Aug. 24, 2022	Mar. 23, 2023~ Apr. 01, 2023	Aug. 23, 2023	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz~40GHz	Nov. 24, 2022	Mar. 23, 2023~ Apr. 01, 2023	Nov. 23, 2023	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 09, 2022	Mar. 23, 2023~ Apr. 01, 2023	Dec. 08, 2023	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 09, 2022	Mar. 23, 2023~ Apr. 01, 2023	Nov. 08, 2023	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055007	1GHz~18GHz	Jun. 15, 2022	Mar. 23, 2023~ Apr. 01, 2023	Jun. 14, 2023	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Mar. 23, 2023~ Apr. 01, 2023	Jun. 27, 2023	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 07, 2022	Mar. 23, 2023~ Apr. 01, 2023	Oct. 06, 2023	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 18, 2022	Mar. 23, 2023~ Apr. 01, 2023	Oct. 17, 2023	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Mar. 23, 2023~ Apr. 01, 2023	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Mar. 23, 2023~ Apr. 01, 2023	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Mar. 23, 2023~ Apr. 01, 2023	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Mar. 23, 2023~ Apr. 01, 2023	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz~40GHz	Mar. 07, 2023	Mar. 23, 2023~ Apr. 01, 2023	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801595/2	30MHz~40GHz	Mar. 07, 2023	Mar. 23, 2023~ Apr. 01, 2023	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 07, 2023	Mar. 23, 2023~ Apr. 01, 2023	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 07, 2023	Mar. 23, 2023~ Apr. 01, 2023	Mar. 06, 2024	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53G Low Pass	Sep. 12, 2022	Mar. 23, 2023~ Apr. 01, 2023	Sep. 11, 2023	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN3	3GHz High Pass Filter	Sep. 12, 2022	Mar. 23, 2023~ Apr. 01, 2023	Sep. 11, 2023	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 12, 2022	Mar. 23, 2023~ Apr. 01, 2023	Sep. 11, 2023	Radiation (03CH11-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Mar. 08, 2023~ Mar. 30, 2023	Nov. 16, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Mar. 08, 2023~ Mar. 30, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Mar. 08, 2023~ Mar. 30, 2023	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 15, 2023	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2022	Mar. 15, 2023	Nov. 30, 2023	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2022	Mar. 15, 2023	Nov. 16, 2023	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2022	Mar. 15, 2023	Nov. 30, 2023	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 17, 2022	Mar. 15, 2023	Nov. 16, 2023	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Mar. 15, 2023	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Mar. 15, 2023	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 29, 2022	Mar. 15, 2023	Dec. 28, 2023	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% ($U = 2Uc(y)$)	6.3 dB
---	--------

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.4 dB
---	--------

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

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

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu	Temperature:	21~25	°C
Test Date:	2023/3/8~2023/3/30	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	149	5745	16.48	16.93	19.50	33.54	16.40	16.40	0.5	Pass
11a	6Mbps	2	157	5785	16.53	16.98	19.74	33.60	16.35	16.40	0.5	Pass
11a	6Mbps	2	165	5825	16.48	17.83	19.68	34.74	16.40	16.45	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	15.00	15.90	18.48	29.20		6.80	Pass	
11a	6Mbps	2	157	5785	14.70	15.70	18.24	29.20		6.80	Pass	
11a	6Mbps	2	165	5825	15.20	16.00	18.63	29.20		6.80	Pass	
HT20	MCS0	2	149	5745	14.50	15.70	18.15	29.20		6.80	Pass	
HT20	MCS0	2	157	5785	14.40	15.60	18.05	29.20		6.80	Pass	
HT20	MCS0	2	165	5825	15.00	15.70	18.37	29.20		6.80	Pass	
HT40	MCS0	2	151	5755	14.90	15.90	18.44	29.20		6.80	Pass	
HT40	MCS0	2	159	5795	14.80	15.90	18.40	29.20		6.80	Pass	
VHT20	MCS0	2	149	5745	14.50	15.70	18.15	29.20		6.80	Pass	
VHT20	MCS0	2	157	5785	14.40	15.60	18.05	29.20		6.80	Pass	
VHT20	MCS0	2	165	5825	15.00	15.70	18.37	29.20		6.80	Pass	
VHT40	MCS0	2	151	5755	14.90	15.90	18.44	29.20		6.80	Pass	
VHT40	MCS0	2	159	5795	14.80	15.90	18.40	29.20		6.80	Pass	
VHT80	MCS0	2	155	5775	14.60	15.70	18.20	29.20		6.80	Pass	

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	0.04	0.04	2.22	3.99	5.20	8.21	27.68	27.68	8.32	8.32	Pass	
11a	6Mbps	2	157	5785	0.04	0.04	2.22	3.16	4.14	7.15	27.68	27.68	8.32	8.32	Pass	
11a	6Mbps	2	165	5825	0.04	0.04	2.22	4.15	4.85	7.86	27.68	27.68	8.32	8.32	Pass	

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	149	5745	Full	18.88	19.28	21.42	35.22	18.70	18.85	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.93	19.28	21.30	33.72	19.05	18.75	0.5	Pass
HE20	MCS0	2	165	5825	Full	18.93	19.38	21.60	34.20	18.45	18.85	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.86	38.56	40.44	58.56	37.80	37.89	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.96	39.46	40.56	76.20	37.53	38.07	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.08	77.56	83.28	111.36	76.64	77.12	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	14.60	15.80	18.25	29.20		6.80		Pass
HE20	MCS0	2	149	5745	26/0	6.70	8.20	10.52	29.20		6.80		Pass
HE20	MCS0	2	149	5745	52/37	9.40	10.70	13.11	29.20		6.80		Pass
HE20	MCS0	2	149	5745	106/53	14.30	13.20	16.80	29.20		6.80		Pass
HE20	MCS0	2	149	5745	242/61	14.20	15.40	17.85	29.20		6.80		Pass
HE20	MCS0	2	157	5785	Full	14.50	15.70	18.15	29.20		6.80		Pass
HE20	MCS0	2	157	5785	26/4	7.00	8.70	10.94	29.20		6.80		Pass
HE20	MCS0	2	157	5785	52/38	10.70	11.20	13.97	29.20		6.80		Pass
HE20	MCS0	2	157	5785	106/53	13.00	13.70	16.37	29.20		6.80		Pass
HE20	MCS0	2	157	5785	242/61	14.20	15.40	17.85	29.20		6.80		Pass
HE20	MCS0	2	165	5825	Full	15.10	15.80	18.47	29.20		6.80		Pass
HE20	MCS0	2	165	5825	26/8	8.10	8.10	11.11	29.20		6.80		Pass
HE20	MCS0	2	165	5825	52/40	11.70	11.20	14.47	29.20		6.80		Pass
HE20	MCS0	2	165	5825	106/54	13.80	13.50	16.66	29.20		6.80		Pass
HE20	MCS0	2	165	5825	242/61	14.80	15.40	18.12	29.20		6.80		Pass
HE40	MCS0	2	151	5755	Full	15.00	16.00	18.54	29.20		6.80		Pass
HE40	MCS0	2	151	5755	484/65	14.50	15.70	18.15	29.20		6.80		Pass
HE40	MCS0	2	159	5795	Full	14.90	16.00	18.50	29.20		6.80		Pass
HE40	MCS0	2	159	5795	484/65	14.50	15.70	18.15	29.20		6.80		Pass
HE80	MCS0	2	155	5775	Full	14.70	15.80	18.30	29.20		6.80		Pass
HE80	MCS0	2	155	5775	996/67	14.10	15.00	17.58	29.20		6.80		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	2.22	3.79	4.86	7.87	27.68	27.68	8.32		Pass	
HE20	MCS0	2	149	5745	26/0	2.22	3.45	4.52	7.53	27.68	27.68	8.32		Pass	
HE20	MCS0	2	149	5745	52/37	2.22	3.38	4.38	7.39	27.68	27.68	8.32		Pass	
HE20	MCS0	2	149	5745	106/53	2.22	3.29	4.42	7.43	27.68	27.68	8.32		Pass	
HE20	MCS0	2	149	5745	242/61	2.22	3.44	4.71	7.72	27.68	27.68	8.32		Pass	
HE20	MCS0	2	157	5785	Full	2.22	3.45	4.49	7.50	27.68	27.68	8.32		Pass	
HE20	MCS0	2	157	5785	26/4	2.22	3.09	4.38	7.39	27.68	27.68	8.32		Pass	
HE20	MCS0	2	157	5785	52/38	2.22	3.29	3.94	6.95	27.68	27.68	8.32		Pass	
HE20	MCS0	2	157	5785	106/53	2.22	3.00	3.96	6.97	27.68	27.68	8.32		Pass	
HE20	MCS0	2	157	5785	242/61	2.22	3.03	4.11	7.12	27.68	27.68	8.32		Pass	
HE20	MCS0	2	165	5825	Full	2.22	4.39	4.73	7.74	27.68	27.68	8.32		Pass	
HE20	MCS0	2	165	5825	26/8	2.22	4.37	4.34	7.38	27.68	27.68	8.32		Pass	
HE20	MCS0	2	165	5825	52/40	2.22	4.34	3.99	7.35	27.68	27.68	8.32		Pass	
HE20	MCS0	2	165	5825	106/54	2.22	4.09	3.92	7.10	27.68	27.68	8.32		Pass	
HE20	MCS0	2	165	5825	242/61	2.22	4.03	4.20	7.21	27.68	27.68	8.32		Pass	
HE40	MCS0	2	151	5755	Full	2.22	0.65	1.75	4.76	27.68	27.68	8.32		Pass	
HE40	MCS0	2	151	5755	484/65	2.22	0.43	1.28	4.29	27.68	27.68	8.32		Pass	
HE40	MCS0	2	159	5795	Full	2.22	0.62	1.61	4.62	27.68	27.68	8.32		Pass	
HE40	MCS0	2	159	5795	484/65	2.22	0.26	1.50	4.51	27.68	27.68	8.32		Pass	
HE80	MCS0	2	155	5775	Full	2.22	-2.81	-1.89	1.12	27.68	27.68	8.32		Pass	
HE80	MCS0	2	155	5775	996/67	2.22	-2.99	-1.95	1.06	27.68	27.68	8.32		Pass	

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)



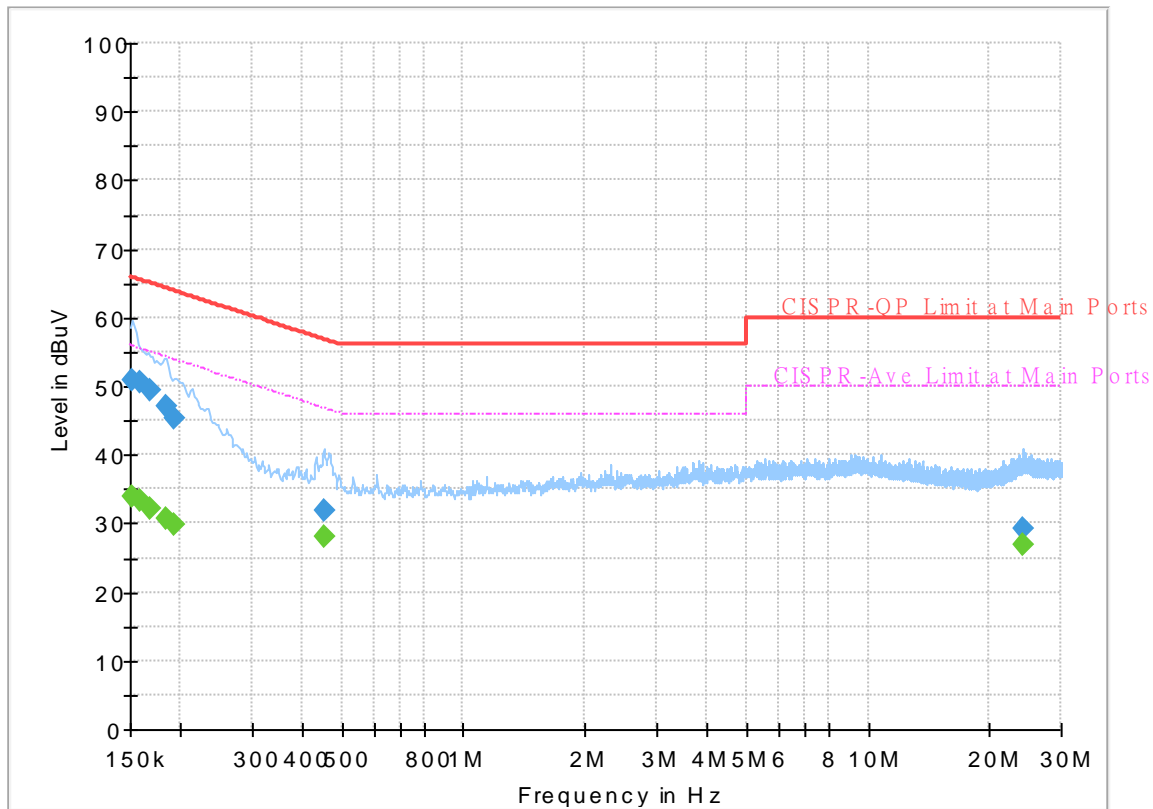
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	23~26°C
		Relative Humidity :	45~55%

EUT Information

Report NO : 290606
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



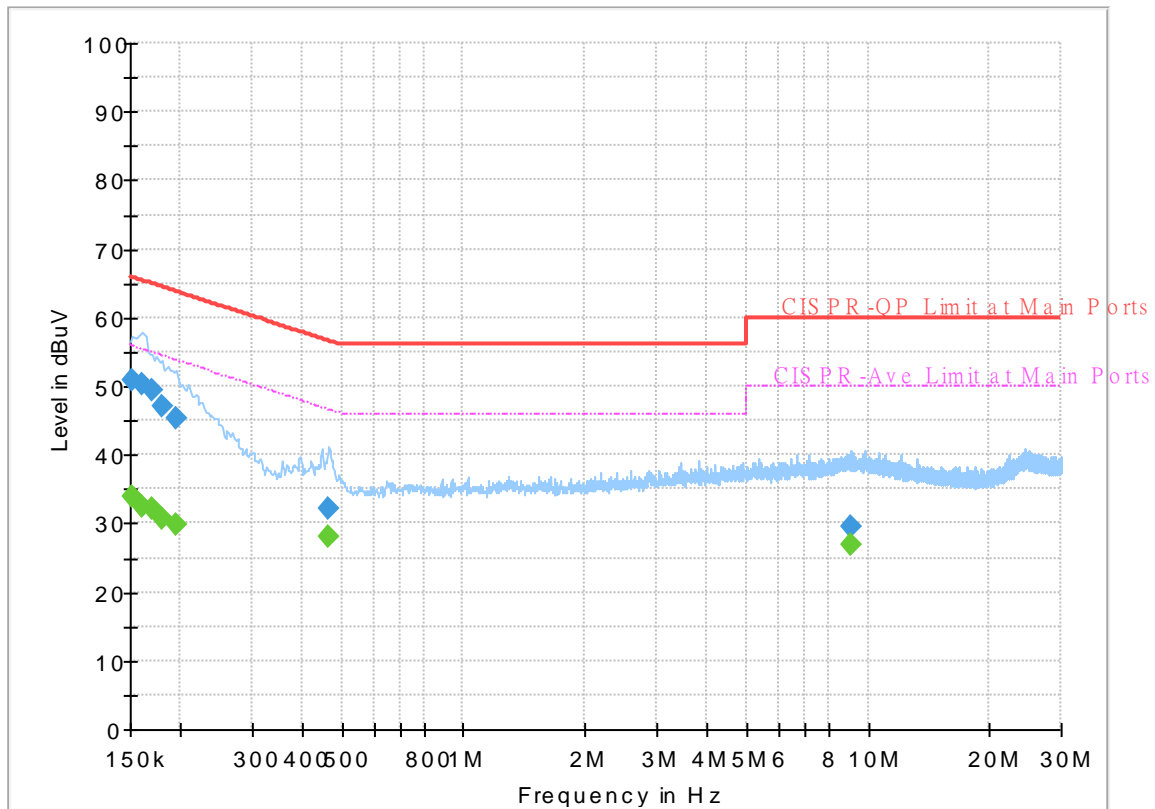
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	33.88	55.88	22.00	L1	OFF	19.9
0.152250	50.99	---	65.88	14.89	L1	OFF	19.9
0.159000	---	33.40	55.52	22.12	L1	OFF	19.9
0.159000	50.47	---	65.52	15.05	L1	OFF	19.9
0.168000	---	32.04	55.06	23.02	L1	OFF	19.9
0.168000	49.41	---	65.06	15.65	L1	OFF	19.9
0.183750	---	30.65	54.31	23.66	L1	OFF	19.9
0.183750	46.96	---	64.31	17.35	L1	OFF	19.9
0.192750	---	29.69	53.92	24.23	L1	OFF	19.9
0.192750	45.24	---	63.92	18.68	L1	OFF	19.9
0.451500	---	28.10	46.85	18.75	L1	OFF	19.9
0.451500	32.01	---	56.85	24.84	L1	OFF	19.9
24.033750	---	26.98	50.00	23.02	L1	OFF	20.6
24.033750	29.14	---	60.00	30.86	L1	OFF	20.6

EUT Information

Report NO : 290606
 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	---	33.99	55.88	21.89	N	OFF	19.9
0.152250	50.94	---	65.88	14.94	N	OFF	19.9
0.161250	---	32.52	55.40	22.88	N	OFF	19.9
0.161250	50.23	---	65.40	15.17	N	OFF	19.9
0.170250	---	32.20	54.95	22.75	N	OFF	19.9
0.170250	49.52	---	64.95	15.43	N	OFF	19.9
0.179250	---	30.58	54.52	23.94	N	OFF	19.9
0.179250	47.03	---	64.52	17.49	N	OFF	19.9
0.195000	---	29.86	53.82	23.96	N	OFF	19.9
0.195000	45.30	---	63.82	18.52	N	OFF	19.9
0.465000	---	27.96	46.60	18.64	N	OFF	19.9
0.465000	32.25	---	56.60	24.35	N	OFF	19.9
9.082500	---	26.86	50.00	23.14	N	OFF	20.2
9.082500	29.40	---	60.00	30.60	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Yuan Lee, Bank Lin and Troye Hsieh	Temperature :	20.2~25.1°C
		Relative Humidity :	50.8~66.5%



Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 149 5745MHz		5648.4	51.49	-16.71	68.2	40.79	33.1	11.23	33.63	100	114	P	H	
		5663.2	53.36	-24.64	78	42.53	33.21	11.25	33.63	100	114	P	H	
		5716.2	59	-50.74	109.74	47.75	33.6	11.29	33.64	100	114	P	H	
		5724.8	70.67	-51.07	121.74	59.36	33.65	11.3	33.64	100	114	P	H	
	*	5745	108.31	-	-	96.86	33.77	11.32	33.64	100	114	P	H	
	*	5745	101.78	-	-	90.33	33.77	11.32	33.64	100	114	A	H	
														H
														H
			5611.2	53.14	-15.06	68.2	42.55	33.02	11.2	33.63	105	107	P	V
			5697.4	57.77	-45.51	103.28	46.65	33.48	11.28	33.64	105	107	P	V
			5718.8	67.37	-43.09	110.46	56.1	33.61	11.3	33.64	105	107	P	V
			5724.8	81.32	-40.42	121.74	70.01	33.65	11.3	33.64	105	107	P	V
	*		5745	111.22	-	-	99.77	33.77	11.32	33.64	105	107	P	V
	*		5745	104.7	-	-	93.25	33.77	11.32	33.64	105	107	A	V
														V
														V



WIFI Ant. 0+1	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)
		5646	52.02	-16.18	68.2	41.33	33.09	11.23	33.63	278	43	P	H
		5687	52.5	-43.11	95.61	41.46	33.4	11.27	33.63	278	43	P	H
		5709.75	52.36	-55.57	107.93	41.15	33.56	11.29	33.64	278	43	P	H
		5721.5	53.01	-61.21	114.22	41.72	33.63	11.3	33.64	278	43	P	H
	*	5785	113.25	-	-	101.52	34.01	11.36	33.64	278	43	P	H
	*	5785	105.57	-	-	93.84	34.01	11.36	33.64	278	43	A	H
		5851.25	52.08	-67.27	119.35	40.3	34.1	11.33	33.65	278	43	P	H
		5855	53.51	-57.29	110.8	41.71	34.12	11.33	33.65	278	43	P	H
		5883.5	53.53	-45.36	98.89	41.64	34.23	11.31	33.65	278	43	P	H
		5925.25	52.38	-15.82	68.2	40.45	34.3	11.28	33.65	278	43	P	H
													H
													H
802.11a													
CH 157													
5785MHz		5631.5	52.39	-15.81	68.2	41.74	33.06	11.22	33.63	102	115	P	V
		5693.25	51.8	-48.42	100.22	40.72	33.45	11.27	33.64	102	115	P	V
		5718.25	52.52	-57.79	110.31	41.25	33.61	11.3	33.64	102	115	P	V
		5724.75	52.75	-68.88	121.63	41.44	33.65	11.3	33.64	102	115	P	V
	*	5785	111.23	-	-	99.5	34.01	11.36	33.64	102	115	P	V
	*	5785	104.46	-	-	92.73	34.01	11.36	33.64	102	115	A	V
		5850.5	52.87	-68.19	121.06	41.09	34.1	11.33	33.65	102	115	P	V
		5855.25	53.26	-57.47	110.73	41.46	34.12	11.33	33.65	102	115	P	V
		5884.5	53.76	-44.39	98.15	41.86	34.24	11.31	33.65	102	115	P	V
		5949.5	53.14	-15.06	68.2	41.24	34.3	11.26	33.66	102	115	P	V
													V
													V



WiFi Ant. 0+1	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)	
802.11a CH 165 5825MHz	*	5825	111.87	-	-	100.07	34.1	11.35	33.65	106	278	P	H	
	*	5825	104.62	-	-	92.82	34.1	11.35	33.65	106	278	A	H	
		5851.8	74.06	-44.04	118.1	62.27	34.11	11.33	33.65	106	278	P	H	
		5858	69.47	-40.49	109.96	57.66	34.13	11.33	33.65	106	278	P	H	
		5876.6	59.15	-44.86	104.01	47.28	34.21	11.31	33.65	106	278	P	H	
		5937.6	53.53	-14.67	68.2	41.62	34.3	11.27	33.66	106	278	P	H	
														H
														H
	*	5825	110.15	-	-	98.35	34.1	11.35	33.65	302	84	P	V	
	*	5825	103.24	-	-	91.44	34.1	11.35	33.65	302	84	A	V	
		5851.6	73.04	-45.51	118.55	61.25	34.11	11.33	33.65	302	84	P	V	
		5856.2	67.4	-43.06	110.46	55.6	34.12	11.33	33.65	302	84	P	V	
		5879.2	56.02	-46.06	102.08	44.14	34.22	11.31	33.65	302	84	P	V	
		5938.6	52.95	-15.25	68.2	41.04	34.3	11.27	33.66	302	84	P	V	
														V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	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)	
802.11a CH 149 5745MHz		11490	47.35	-26.65	74	51.34	39.21	18.44	61.64	-	-	P	H	
		17235	60.2	-8	68.2	56.59	38.26	23.25	57.9	300	358	P	H	
		17235	53.35	-0.65	54	49.74	38.26	23.25	57.9	300	358	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11490	47.72	-26.28	74	51.71	39.21	18.44	61.64	-	-	P	V
			17235	59.13	-9.07	68.2	55.52	38.26	23.25	57.9	300	223	P	V
			17235	52.46	-1.54	54	48.85	38.26	23.25	57.9	300	223	A	V
														V
														V
														V
													V	
													V	
													V	
													V	



WIFI Ant. 0+1	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)	
802.11a CH 157 5785MHz		11570	45.26	-28.74	74	49.55	38.99	18.5	61.78	-	-	P	H	
		17355	58.93	-9.27	68.2	54.71	38.42	23.31	57.51	300	355	P	H	
		17355	50.44	-3.56	54	46.22	38.42	23.31	57.51	300	355	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11570	46.03	-27.97	74	50.32	38.99	18.5	61.78	-	-	P	V
			17355	57.65	-10.55	68.2	53.43	38.42	23.31	57.51	300	43	P	V
			17355	51.29	-2.71	54	47.07	38.42	23.31	57.51	300	43	A	V
														V
														V
														V
														V
														V
													V	
													V	



WiFi Ant. 0+1	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)	
802.11a CH 165 5825MHz		11650	47.31	-26.69	74	51.89	38.8	18.55	61.93	-	-	P	H	
		17475	59.33	-8.87	68.2	54.33	38.75	23.37	57.12	300	357	P	H	
		17475	52.34	-1.66	54	47.34	38.75	23.37	57.12	300	357	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11650	45.8	-28.2	74	50.38	38.8	18.55	61.93	-	-	P	V
			17475	60.26	-7.94	68.2	55.26	38.75	23.37	57.12	300	44	P	V
			17475	53.09	-0.91	54	48.09	38.75	23.37	57.12	300	44	A	V
														V
														V
														V
														V
														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 4 5725~5850MHz
WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 0+1	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 149 5745MHz		5629.4	52.55	-15.65	68.2	41.9	33.06	11.22	33.63	100	281	P	H		
		5700	63.57	-41.63	105.2	52.43	33.5	11.28	33.64	100	281	P	H		
		5720	78.56	-32.24	110.8	67.28	33.62	11.3	33.64	100	281	P	H		
		5724.2	84.22	-36.16	120.38	72.91	33.65	11.3	33.64	100	281	P	H		
	*	5745	110.5	-	-	99.05	33.77	11.32	33.64	100	281	P	H		
	*	5745	102.98	-	-	91.53	33.77	11.32	33.64	100	281	A	H		
														H	
															H
			5626.6	51.99	-16.21	68.2	41.36	33.05	11.21	33.63	100	299	P	V	
			5697.2	60.29	-42.85	103.14	49.17	33.48	11.28	33.64	100	299	P	V	
			5719.6	74.23	-36.46	110.69	62.95	33.62	11.3	33.64	100	299	P	V	
			5723.8	82.91	-36.55	119.46	71.61	33.64	11.3	33.64	100	299	P	V	
	*		5745	111.53	-	-	100.08	33.77	11.32	33.64	100	299	P	V	
	*		5745	102.25	-	-	90.8	33.77	11.32	33.64	100	299	A	V	
													V		
													V		



WiFi Ant. 0+1	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)
		5611.75	51.92	-16.28	68.2	41.33	33.02	11.2	33.63	246	86	P	H
		5655.5	52.26	-20.03	72.29	41.51	33.14	11.24	33.63	246	86	P	H
		5711	51.77	-56.51	108.28	40.55	33.57	11.29	33.64	246	86	P	H
		5724.5	52.21	-68.85	121.06	40.9	33.65	11.3	33.64	246	86	P	H
	*	5785	113.76	-	-	102.03	34.01	11.36	33.64	246	86	P	H
	*	5785	105.27	-	-	93.54	34.01	11.36	33.64	246	86	A	H
		5852.25	52.7	-64.37	117.07	40.91	34.11	11.33	33.65	246	86	P	H
		5855.25	52.52	-58.21	110.73	40.72	34.12	11.33	33.65	246	86	P	H
		5877.25	54.03	-49.5	103.53	42.16	34.21	11.31	33.65	246	86	P	H
		5934.25	53.44	-14.76	68.2	41.52	34.3	11.27	33.65	246	86	P	H
802.11ax													H
HE20 Full													H
CH 157		5630.5	51.36	-16.84	68.2	40.71	33.06	11.22	33.63	395	68	P	V
5785MHz		5697.75	53.07	-50.47	103.54	41.95	33.48	11.28	33.64	395	68	P	V
		5719	53.22	-57.3	110.52	41.95	33.61	11.3	33.64	395	68	P	V
		5724	52.37	-67.55	119.92	41.07	33.64	11.3	33.64	395	68	P	V
	*	5785	112.66	-	-	100.93	34.01	11.36	33.64	395	68	P	V
	*	5785	104.24	-	-	92.51	34.01	11.36	33.64	395	68	A	V
		5850.25	52.69	-68.94	121.63	40.91	34.1	11.33	33.65	395	68	P	V
		5870.5	52.72	-53.74	106.46	40.87	34.18	11.32	33.65	395	68	P	V
		5882	53.29	-46.71	100	41.4	34.23	11.31	33.65	395	68	P	V
		5941.75	53.9	-14.3	68.2	42	34.3	11.26	33.66	395	68	P	V
													V
													V



WiFi Ant. 0+1	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 165 5825MHz	*	5825	114.23	-	-	102.43	34.1	11.35	33.65	235	86	P	H	
	*	5825	104.88	-	-	93.08	34.1	11.35	33.65	235	86	A	H	
		5850.2	73.6	-48.14	121.74	61.82	34.1	11.33	33.65	235	86	P	H	
		5857.4	63.11	-47.02	110.13	51.3	34.13	11.33	33.65	235	86	P	H	
		5878.2	56.08	-46.74	102.82	44.21	34.21	11.31	33.65	235	86	P	H	
		5934.4	53.52	-14.68	68.2	41.6	34.3	11.27	33.65	235	86	P	H	
														H
														H
	*	5825	112.02	-	-	100.22	34.1	11.35	33.65	394	66	P	V	
	*	5825	103.9	-	-	92.1	34.1	11.35	33.65	394	66	A	V	
		5850	75.99	-46.21	122.2	64.21	34.1	11.33	33.65	394	66	P	V	
		5856	66.07	-44.45	110.52	54.27	34.12	11.33	33.65	394	66	P	V	
		5875.75	60.36	-44.28	104.64	48.5	34.2	11.31	33.65	394	66	P	V	
		5942.5	52.62	-15.58	68.2	40.72	34.3	11.26	33.66	394	66	P	V	
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11ax HE20_Partial 242 (Band Edge @ 3m)

WIFI Ant. 0+1	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 Partial 242/61 CH 149 5745MHz		5608.8	51.49	-16.71	68.2	40.9	33.02	11.2	33.63	250	23	P	H	
		5680.4	52.76	-37.97	90.73	41.79	33.34	11.26	33.63	250	23	P	H	
		5718.8	60.92	-49.54	110.46	49.65	33.61	11.3	33.64	250	23	P	H	
		5725	66.94	-55.26	122.2	55.63	33.65	11.3	33.64	250	23	P	H	
	*	5745	110.21	-	-	98.76	33.77	11.32	33.64	250	23	P	H	
	*	5745	101.99	-	-	90.54	33.77	11.32	33.64	250	23	P	H	
														H
														H
			5648.4	52.01	-16.19	68.2	41.31	33.1	11.23	33.63	100	105	P	V
			5697.6	52.62	-50.81	103.43	41.5	33.48	11.28	33.64	100	105	P	V
			5718.2	64.95	-45.35	110.3	53.68	33.61	11.3	33.64	100	105	P	V
			5724.6	69.24	-52.05	121.29	57.93	33.65	11.3	33.64	100	105	P	V
		*	5745	109.96	-	-	98.51	33.77	11.32	33.64	100	105	P	V
		*	5745	101.5	-	-	90.05	33.77	11.32	33.64	100	105	A	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz
WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5649.75	54.79	-13.41	68.2	44.09	33.1	11.23	33.63	300	42	P	H
		5700	62.8	-42.4	105.2	51.66	33.5	11.28	33.64	300	42	P	H
		5717.75	83.24	-26.93	110.17	71.97	33.61	11.3	33.64	300	42	P	H
		5723	81.48	-36.16	117.64	70.18	33.64	11.3	33.64	300	42	P	H
	*	5755	111.22	-	-	99.7	33.83	11.33	33.64	300	42	P	H
	*	5755	102.32	-	-	90.8	33.83	11.33	33.64	300	42	A	H
		5852.75	54.16	-61.77	115.93	42.37	34.11	11.33	33.65	300	42	P	H
		5857.75	55.69	-54.34	110.03	43.88	34.13	11.33	33.65	300	42	P	H
		5879.5	53.9	-47.96	101.86	42.02	34.22	11.31	33.65	300	42	P	H
		5935.25	53.47	-14.73	68.2	41.55	34.3	11.27	33.65	300	42	P	H
802.11ax													H
HE40 Full													H
CH 151		5648.75	54.44	-13.76	68.2	43.74	33.1	11.23	33.63	100	107	P	V
5755MHz		5699.75	66.22	-38.8	105.02	55.08	33.5	11.28	33.64	100	107	P	V
		5719.5	84.08	-26.58	110.66	72.8	33.62	11.3	33.64	100	107	P	V
		5721.25	84.56	-29.09	113.65	73.27	33.63	11.3	33.64	100	107	P	V
	*	5755	111.04	-	-	99.52	33.83	11.33	33.64	100	107	P	V
	*	5755	101.94	-	-	90.42	33.83	11.33	33.64	100	107	A	V
		5852	60.29	-57.35	117.64	48.5	34.11	11.33	33.65	100	107	P	V
		5860.25	58.65	-50.68	109.33	46.84	34.14	11.32	33.65	100	107	P	V
		5883.75	54.71	-43.99	98.7	42.81	34.24	11.31	33.65	100	107	P	V
		5926	52.89	-15.31	68.2	40.96	34.3	11.28	33.65	100	107	P	V
													V
													V



WIFI Ant. 0+1	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)
		5637.5	52.56	-15.64	68.2	41.9	33.07	11.22	33.63	303	46	P	H
		5700	55.73	-49.47	105.2	44.59	33.5	11.28	33.64	303	46	P	H
		5718.5	58.57	-51.81	110.38	47.3	33.61	11.3	33.64	303	46	P	H
		5720.75	61.76	-50.75	112.51	50.48	33.62	11.3	33.64	303	46	P	H
	*	5795	110.48	-	-	98.68	34.07	11.37	33.64	303	46	P	H
	*	5795	102.81	-	-	91.01	34.07	11.37	33.64	303	46	A	H
		5854.75	66.35	-45.02	111.37	54.55	34.12	11.33	33.65	303	46	P	H
		5860.25	66.21	-43.12	109.33	54.4	34.14	11.32	33.65	303	46	P	H
		5877.75	58.73	-44.43	103.16	46.86	34.21	11.31	33.65	303	46	P	H
		5937.75	53.51	-14.69	68.2	41.6	34.3	11.27	33.66	303	46	P	H
802.11ax													H
HE40 Full													H
CH 159		5613	52.57	-15.63	68.2	41.97	33.03	11.2	33.63	100	107	P	V
5795MHz		5697	57.6	-45.39	102.99	46.48	33.48	11.28	33.64	100	107	P	V
		5718.75	63.56	-46.89	110.45	52.29	33.61	11.3	33.64	100	107	P	V
		5724.25	66.7	-53.79	120.49	55.39	33.65	11.3	33.64	100	107	P	V
	*	5795	110.81	-	-	99.01	34.07	11.37	33.64	100	107	P	V
	*	5795	102.84	-	-	91.04	34.07	11.37	33.64	100	107	A	V
		5851	72.46	-47.46	119.92	60.68	34.1	11.33	33.65	100	107	P	V
		5858	71.53	-38.43	109.96	59.72	34.13	11.33	33.65	100	107	P	V
		5875.75	63.55	-41.09	104.64	51.69	34.2	11.31	33.65	100	107	P	V
		5931.75	55.22	-12.98	68.2	43.3	34.3	11.27	33.65	100	107	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz
WIFI 802.11ax HE40_Partial 484 (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5632.25	52.61	-15.59	68.2	41.96	33.06	11.22	33.63	234	85	P	H
		5697.5	59.86	-43.5	103.36	48.74	33.48	11.28	33.64	234	85	P	H
		5715.75	74.85	-34.76	109.61	63.61	33.59	11.29	33.64	234	85	P	H
		5724.75	76.34	-45.29	121.63	65.03	33.65	11.3	33.64	234	85	P	H
	*	5755	109.44	-	-	97.92	33.83	11.33	33.64	234	85	P	H
	*	5755	102.25	-	-	90.73	33.83	11.33	33.64	234	85	A	H
		5853	53.08	-62.28	115.36	41.29	34.11	11.33	33.65	234	85	P	H
		5861.5	53.82	-55.16	108.98	42	34.15	11.32	33.65	234	85	P	H
		5887.75	53.95	-41.79	95.74	42.05	34.25	11.3	33.65	234	85	P	H
802.11ax													H
HE40													H
Partial													H
484/65		5649.75	53.43	-14.77	68.2	42.73	33.1	11.23	33.63	100	104	P	V
CH 151		5699	63.04	-41.42	104.46	51.91	33.49	11.28	33.64	100	104	P	V
5755MHz		5719.25	81.27	-29.32	110.59	69.99	33.62	11.3	33.64	100	104	P	V
		5723.5	84.29	-34.49	118.78	72.99	33.64	11.3	33.64	100	104	P	V
	*	5755	108.76	-	-	97.24	33.83	11.33	33.64	100	104	P	V
	*	5755	101.79	-	-	90.27	33.83	11.33	33.64	100	104	A	V
		5852.25	55.47	-61.6	117.07	43.68	34.11	11.33	33.65	100	104	P	V
		5863.25	54.69	-53.8	108.49	42.87	34.15	11.32	33.65	100	104	P	V
		5896.5	54.01	-35.24	89.25	42.07	34.29	11.3	33.65	100	104	P	V
		5926.5	52.1	-16.1	68.2	40.17	34.3	11.28	33.65	100	104	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz
WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 0+1	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)
		5643.5	57.2	-11	68.2	46.51	33.09	11.23	33.63	308	44	P	H
		5699.5	74.14	-30.69	104.83	63	33.5	11.28	33.64	308	44	P	H
		5720	77.85	-32.95	110.8	66.57	33.62	11.3	33.64	308	44	P	H
		5721.5	80.61	-33.61	114.22	69.32	33.63	11.3	33.64	308	44	P	H
	*	5775	109.31	-	-	97.65	33.95	11.35	33.64	308	44	P	H
	*	5775	99.71	-	-	88.05	33.95	11.35	33.64	308	44	A	H
		5851	73.88	-46.04	119.92	62.1	34.1	11.33	33.65	308	44	P	H
		5856.75	71.64	-38.67	110.31	59.83	34.13	11.33	33.65	308	44	P	H
		5875	66.3	-38.9	105.2	54.44	34.2	11.31	33.65	308	44	P	H
		5926.5	55.73	-12.47	68.2	43.8	34.3	11.28	33.65	308	44	P	H
802.11ax													H
HE80 Full													H
CH 155		5644	58.24	-9.96	68.2	47.55	33.09	11.23	33.63	100	108	P	V
5775MHz		5699.75	77.54	-27.48	105.02	66.4	33.5	11.28	33.64	100	108	P	V
		5719.75	84.4	-26.33	110.73	73.12	33.62	11.3	33.64	100	108	P	V
		5723.75	83.54	-35.81	119.35	72.24	33.64	11.3	33.64	100	108	P	V
	*	5775	107.53	-	-	95.87	33.95	11.35	33.64	100	108	P	V
	*	5775	98.92	-	-	87.26	33.95	11.35	33.64	100	108	A	V
		5851.25	78.6	-40.75	119.35	66.82	34.1	11.33	33.65	100	108	P	V
		5860.75	76.85	-32.34	109.19	65.04	34.14	11.32	33.65	100	108	P	V
		5876	68.81	-35.65	104.46	56.95	34.2	11.31	33.65	100	108	P	V
		5932.5	57.98	-10.22	68.2	46.06	34.3	11.27	33.65	100	108	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 0+1	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 155 5775MHz		11550	46.2	-27.8	74	50.4	39.05	18.49	61.74	-	-	P	H	
		17325	45.81	-22.39	68.2	41.83	38.3	23.29	57.61	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11550	46.72	-27.28	74	50.92	39.05	18.49	61.74	-	-	P	V
			17325	44.64	-23.56	68.2	40.66	38.3	23.29	57.61	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													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 4 5725~5850MHz
WIFI 802.11ax HE80_Partial 996 (Band Edge @ 3m)

WIFI Ant. 0+1	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 Partial 996/67 CH 155 5775MHz		5647.5	56.39	-11.81	68.2	45.7	33.09	11.23	33.63	250	86	P	H	
		5698.75	71.48	-32.8	104.28	60.35	33.49	11.28	33.64	250	86	P	H	
		5717.25	73	-37.03	110.03	61.74	33.6	11.3	33.64	250	86	P	H	
		5725	72.94	-49.26	122.2	61.63	33.65	11.3	33.64	250	86	P	H	
	*	5775	107.02	-	-	95.36	33.95	11.35	33.64	250	86	P	H	
	*	5775	98.78	-	-	87.12	33.95	11.35	33.64	250	86	A	H	
		5850.25	69.68	-51.95	121.63	57.9	34.1	11.33	33.65	250	86	P	H	
		5857.25	71.29	-38.88	110.17	59.48	34.13	11.33	33.65	250	86	P	H	
		5878.5	61.16	-41.44	102.6	49.29	34.21	11.31	33.65	250	86	P	H	
		5932.25	53.35	-14.85	68.2	41.43	34.3	11.27	33.65	250	86	P	H	
														H
														H
			5649	58.75	-9.45	68.2	48.05	33.1	11.23	33.63	100	105	P	V
			5698	74.08	-29.65	103.73	62.96	33.48	11.28	33.64	100	105	P	V
			5719.25	80.1	-30.49	110.59	68.82	33.62	11.3	33.64	100	105	P	V
			5724	80.46	-39.46	119.92	69.16	33.64	11.3	33.64	100	105	P	V
	*		5775	107.03	-	-	95.37	33.95	11.35	33.64	100	105	P	V
	*		5775	98.41	-	-	86.75	33.95	11.35	33.64	100	105	A	V
			5850.5	76.12	-44.94	121.06	64.34	34.1	11.33	33.65	100	105	P	V
			5862.5	75.32	-33.38	108.7	63.5	34.15	11.32	33.65	100	105	P	V
		5877.5	68.53	-34.81	103.34	56.66	34.21	11.31	33.65	100	105	P	V	
		5942.75	56.95	-11.25	68.2	45.05	34.3	11.26	33.66	100	105	P	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Emission above 18GHz

5GHz WIFI 802.11a (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a SHF		39916	46.84	-27.16	74	58.79	44.3	-0.35	55.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
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													H
													H
													H
													H
			39944	47.59	-26.41	74	59.45	44.33	-0.32	55.87	-	-	P
													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 limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Emission below 1GHz
5GHz WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a LF		69.42	29.06	-10.94	40	48.01	11.94	1.33	32.22	-	-	P	H	
		123.15	27.77	-15.73	43.5	40.75	17.37	1.81	32.16	-	-	P	H	
		145.02	28.55	-14.95	43.5	41.84	16.95	1.9	32.14	-	-	P	H	
		509.3	29.78	-16.22	46	34.68	23.76	3.47	32.13	-	-	P	H	
		687.8	30.61	-15.39	46	32.36	26.33	4	32.08	-	-	P	H	
		941.9	33.67	-12.33	46	30.2	29.73	4.61	30.87	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
			54.03	31.08	-8.92	40	49.69	12.43	1.21	32.25	-	-	P	V
			73.74	33.83	-6.17	40	52.38	12.27	1.37	32.19	133	75	Q	V
			130.44	26.31	-17.19	43.5	39.31	17.34	1.82	32.16	-	-	P	V
			525.4	28.93	-17.07	46	33.75	23.7	3.53	32.05	-	-	P	V
			755.7	30.76	-15.24	46	30.68	27.71	4.2	31.83	-	-	P	V
			959.4	34.1	-11.9	46	29.45	30.66	4.69	30.7	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	

Remark

- No other spurious found.
- All results are PASS against limit line.
- The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is 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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5650	55.45	-12.75	68.2	54.51	32.22	4.58	35.86	103	308	P	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. Margin(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. Margin(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 68.2(dBμV/m)
 = -12.75 (dB)

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Yuan Lee, Bank Lin and Troye Hsieh	Temperature :	20.2~25.1°C
		Relative Humidity :	50.8~66.5%

Note symbol

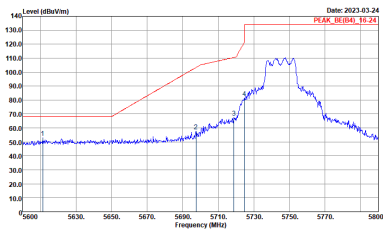
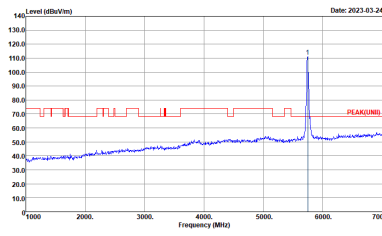
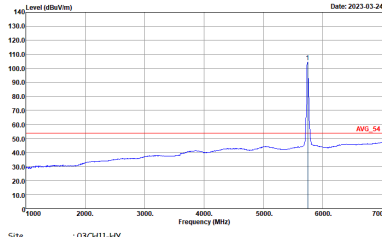
-L	Low channel location
-R	High channel location



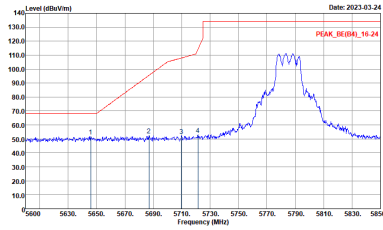
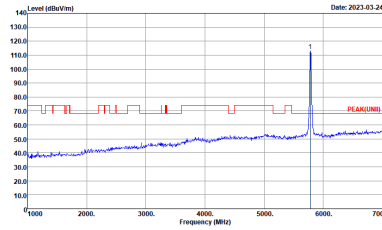
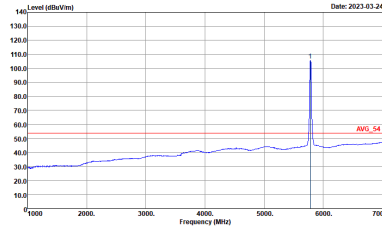
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SW1:Auto</p>	<p>Site : 03CH11-HY Condition : PEAK(FUND) 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SW1:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:0.0100kHz SW1:Auto</p>

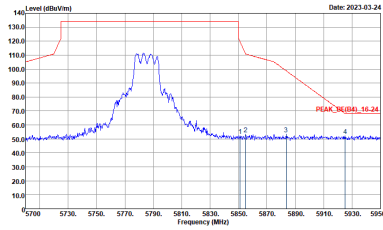


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNL1) 3m 91200_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

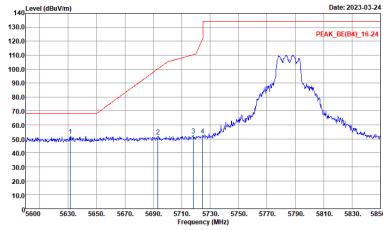
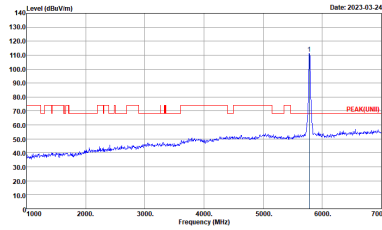
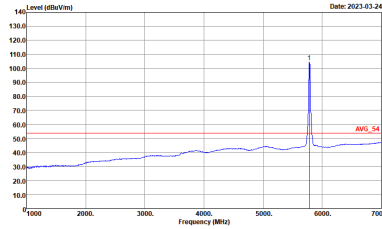


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-1Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-1Y Condition : PEAK(UN1) 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	
		 <p>Site : 03CH11-1Y Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-14Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:10000000Hz VBW:3000.000KHz SWT:Auto</p>	Left blank

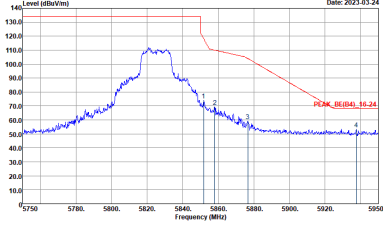
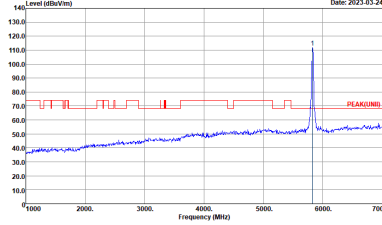
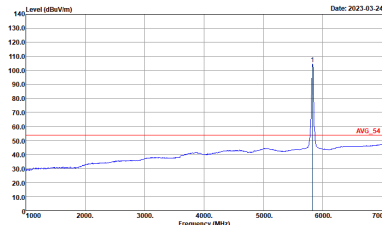


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-1Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-1Y Condition : PEAK(UN1) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	
		 <p>Site : 03CH11-1Y Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>

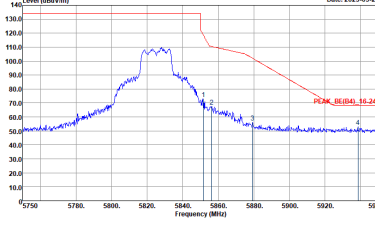
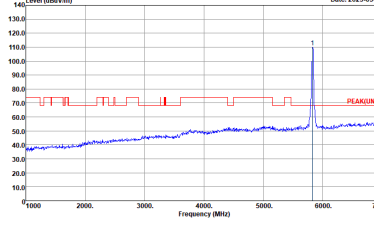
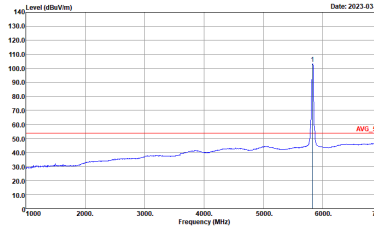


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-14 Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL RBW:10000000Hz VBW:30000000Hz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNL1) 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNL1) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>



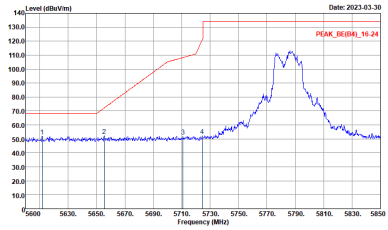
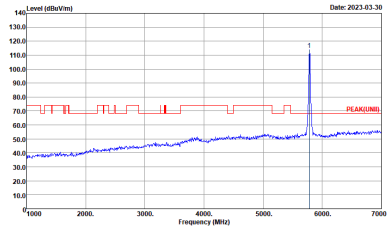
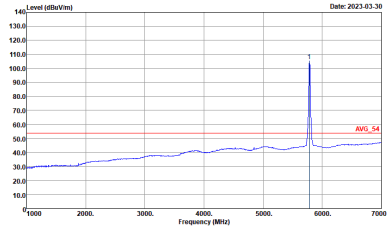
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-11Y Condition : PEAK_BE(P4)_16-24 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-11Y Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-11Y Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		
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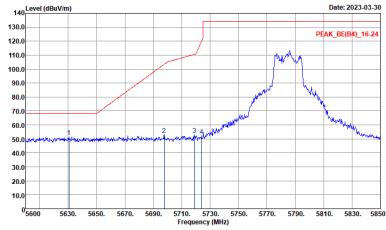
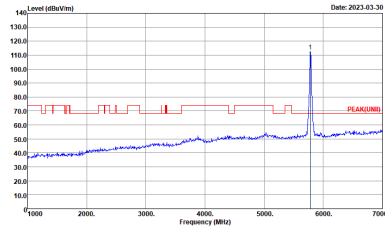
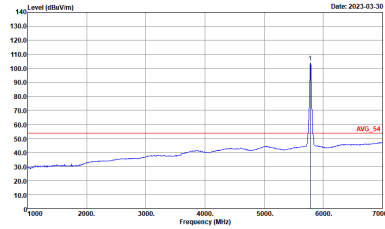


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-1Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-1Y Condition : PEAK(UN1) 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	
		 <p>Site : 03CH11-1Y Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 HORIZONTAL RBW:10000000Hz VBW:3000.0000Hz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-1Y Condition : PEAK_BE(B4)_16.24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-1Y Condition : PEAK(UN1) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-1Y Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>

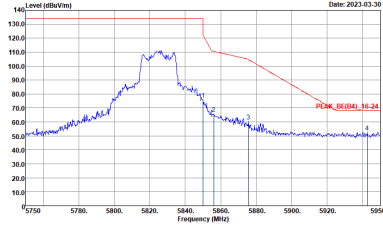
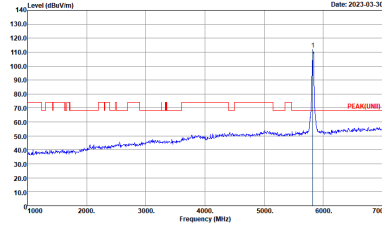
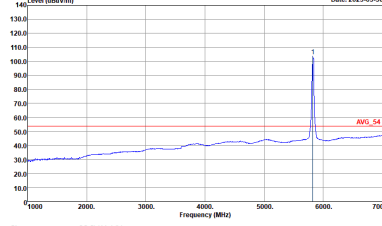


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-14Y Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:10000000Hz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-1Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-1Y Condition : PEAK(UN1) 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-1Y Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>



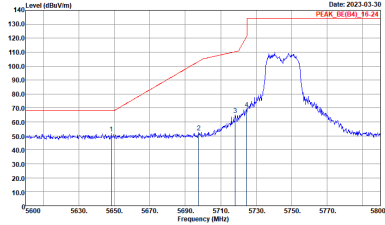
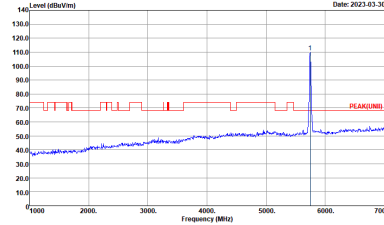
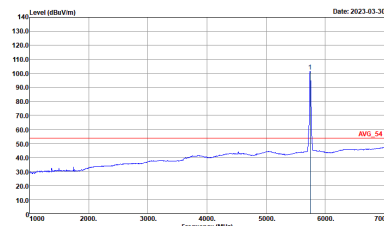
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site Condition : 03CH11-1Y : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site Condition : 03CH11-1Y : PEAK(UNIT) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	
		 <p>Site Condition : 03CH11-1Y : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>



Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 242 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(P4)_16-24 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 242/61 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-1Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-1Y Condition : PEAK(UNIT) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	
		 <p>Site : 03CH11-1Y Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>



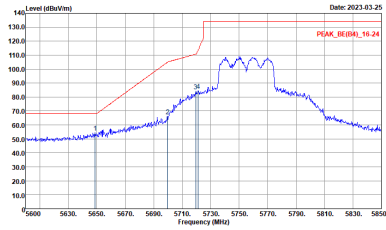
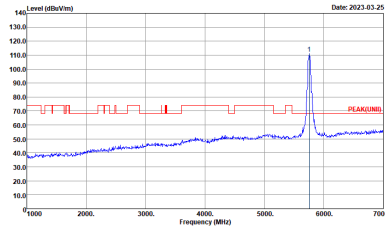
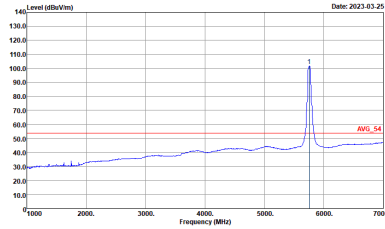
Band 4 5725~5850MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-14F Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNL1) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	
		 <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-44F Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-HY Condition : PEAK(UNL1) 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>

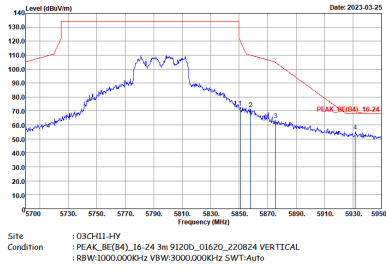


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-14F Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16.24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-HY Condition : PEAK(UNL) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-44Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



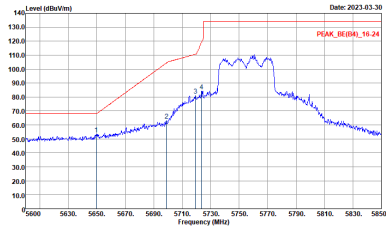
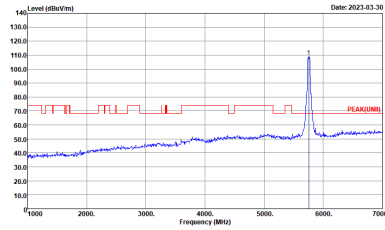
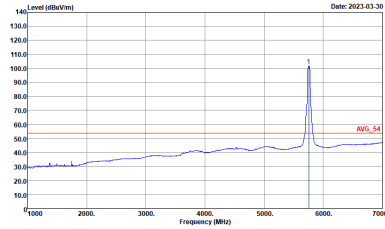
Band 4 5725~5850MHz
WIFI 802.11ax HE40 Partial 484 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-14Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:10000000Hz VBW:3000.000GHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-1Y Condition : PEAK_BE(04)_16.24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-1Y Condition : PEAK(UN1) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	
		 <p>Site : 03CH11-1Y Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 484/65 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-44Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



Band 4 5725~5850MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL RBW:3000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL RBW:3000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL RBW:3000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-14F Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16.24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-HY Condition : PEAK(UNL) 3m 9120D_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_220824 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-44F Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



Band 4 5725~5850MHz
WIFI 802.11ax HE80 Partial 996 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/67 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(0)_16-24 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

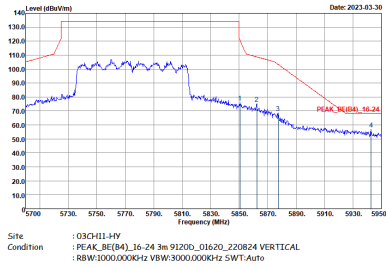


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/67 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-14F Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/67 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-1Y Condition : PEAK_BE(B4)_16.24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-1Y Condition : PEAK(UN1) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-1Y Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:1000.000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 996/67 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-44Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>

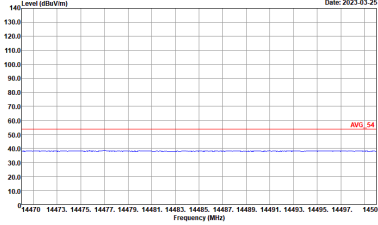
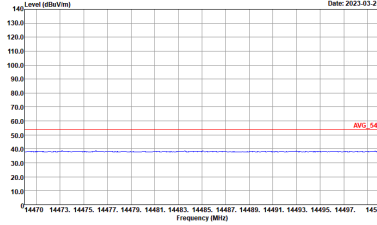
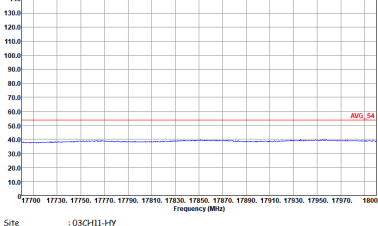
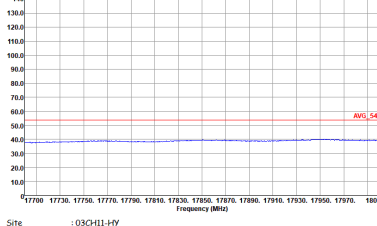


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
17.7G ~18G Avg		



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	 <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	 <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 VERTICAL</p>



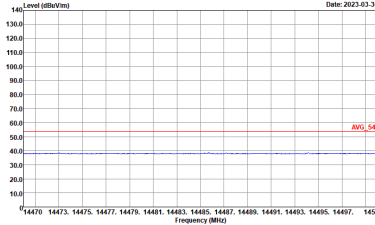
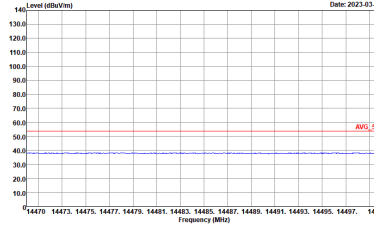
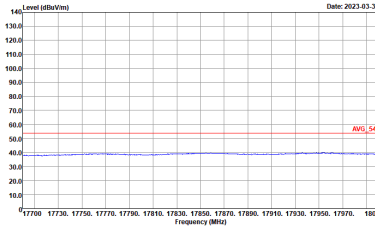
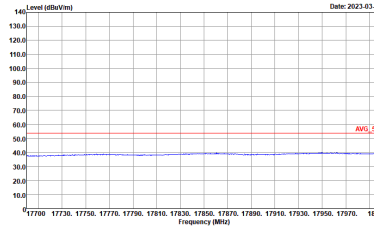
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Date: 2023-03-25</p> <p>Site : 03CH11-IY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Date: 2023-03-25</p> <p>Site : 03CH11-IY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
	<p>Date: 2023-03-25</p> <p>Site : 03CH11-IY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Date: 2023-03-25</p> <p>Site : 03CH11-IY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
17.7G ~18G Avg		



Band 4 5725~5850MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-14Y Condition : PEAK(UNII) 3m 9120D_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-14Y Condition : PEAK(UNII) 3m 9120D_01620_220824 VERTICAL</p>

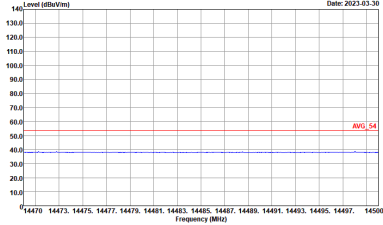
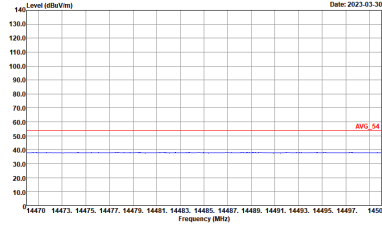
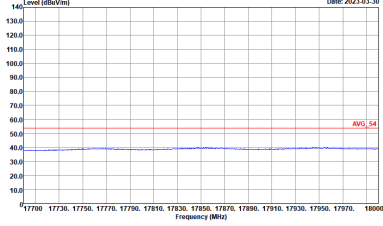
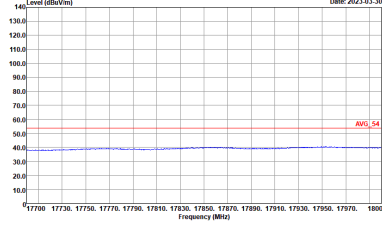


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Date: 2023-03-30</p> <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	 <p>Date: 2023-03-30</p> <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Date: 2023-03-30</p> <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	 <p>Date: 2023-03-30</p> <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>

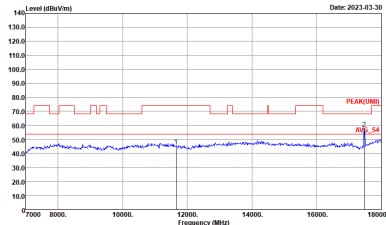
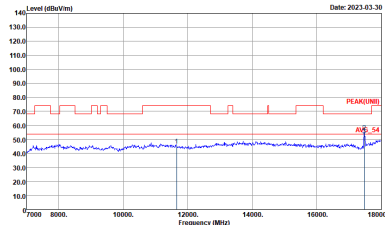


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Date: 2023-03-30</p> <p>Site : 03CH11-IHV Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	 <p>Date: 2023-03-30</p> <p>Site : 03CH11-IHV Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Date: 2023-03-30</p> <p>Site : 03CH11-IHV Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	 <p>Date: 2023-03-30</p> <p>Site : 03CH11-IHV Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Date: 2023-03-30</p> <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Date: 2023-03-30</p> <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
	<p>Date: 2023-03-30</p> <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Date: 2023-03-30</p> <p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
17.7G ~18G Avg		



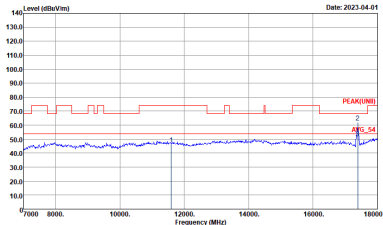
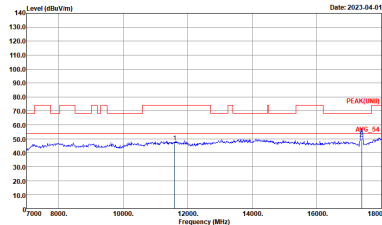
Band 4 5725~5850MHz
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5745MHz	
0+1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5745MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH11-HY Condition : AV5_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : AV5_54 3m 91200_01620_220824 VERTICAL</p>
	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
17.7G ~18G Avg		



Band 4 5725~5850MHz
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5745MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH11-HY Condition : AV5_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : AV5_54 3m 91200_01620_220824 VERTICAL</p>
	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_220824 VERTICAL</p>
17.7G ~18G Avg		



**Emission above 18GHz
5GHz WIFI 802.11a (SHF @ 1m)**

WIFI	5GHz WIFI	
ANT	802.11a SHF	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK_74 1m SHF_00993_221124 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : PEAK_74 1m SHF_00993_221124 VERTICAL</p>



Emission below 1GHz
5GHz WIFI 802.11a (LF @ 3m)

WIFI	5GHz WIFI	
ANT	802.11a LF	
0+1	Horizontal	Vertical
QP / Peak	<p>Site : :03CH11-HY Condition : :QP 3m 2_81LOG_35414_221008 HORIZONTAL</p>	<p>Site : :03CH11-HY Condition : :QP 3m 2_81LOG_35414_221008 VERTICAL</p>

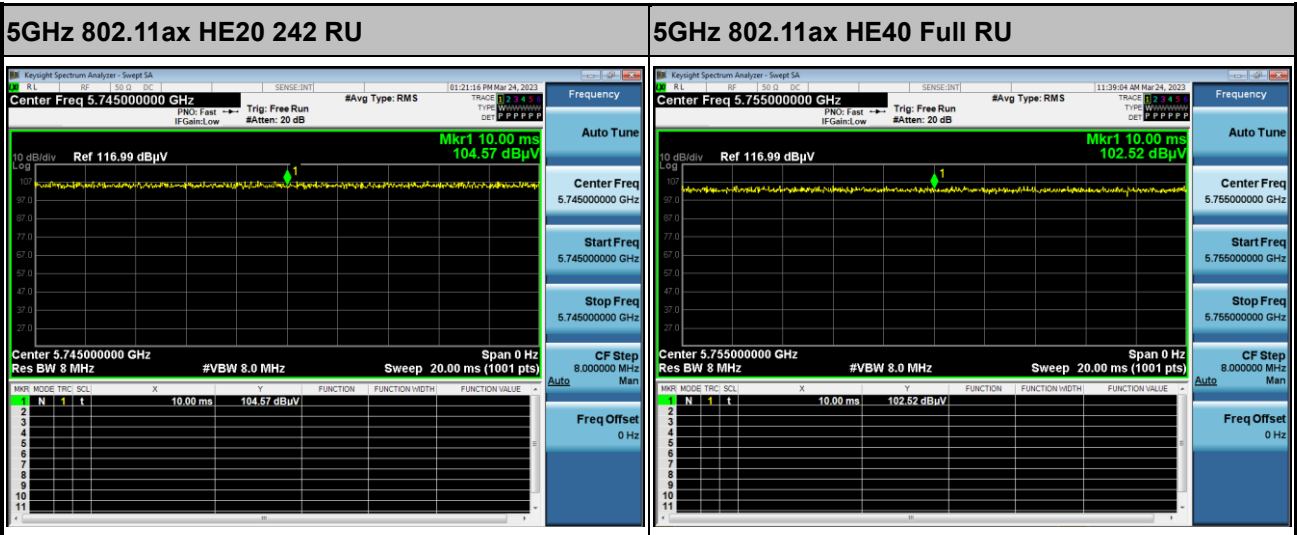
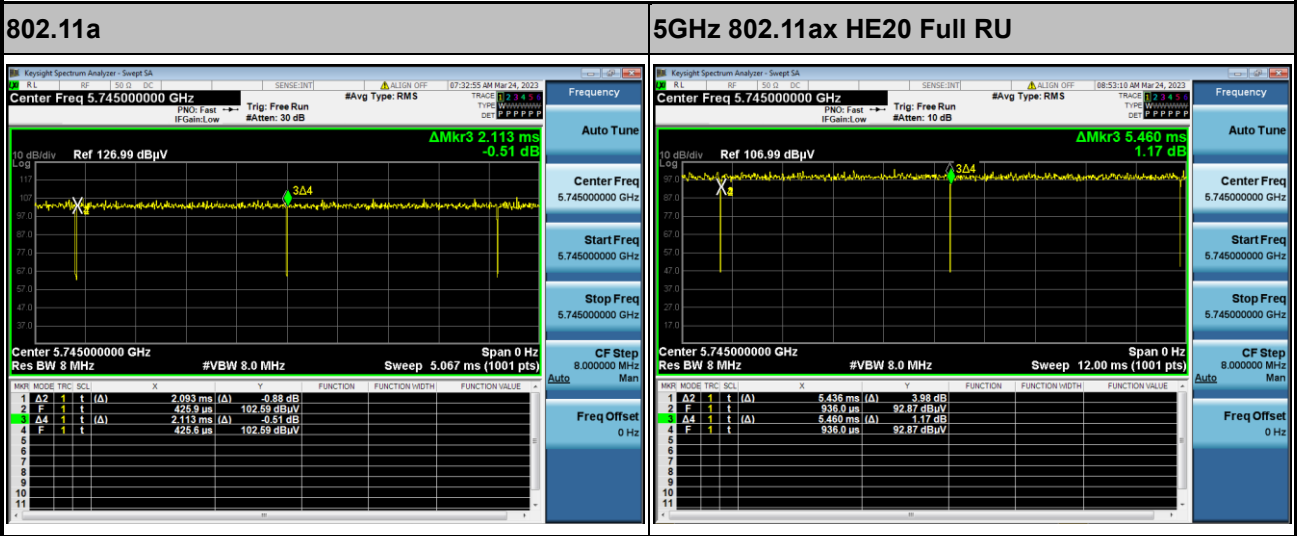


Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
0+1	802.11a	99.05	-	-	0.01KHz
0+1	5GHz 802.11ax HE20 Full RU	99.56	-	-	0.01KHz
0+1	5GHz 802.11ax HE20 242 RU	100.00	-	-	0.01KHz
0+1	5GHz 802.11ax HE40 Full RU	100.00	-	-	0.01KHz
0+1	5GHz 802.11ax HE40 484 RU	100.00	-	-	0.01KHz
0+1	5GHz 802.11ax HE80 Full RU	99.27	-	-	0.01KHz
0+1	5GHz 802.11ax HE80 996 RU	99.31	-	-	0.01KHz

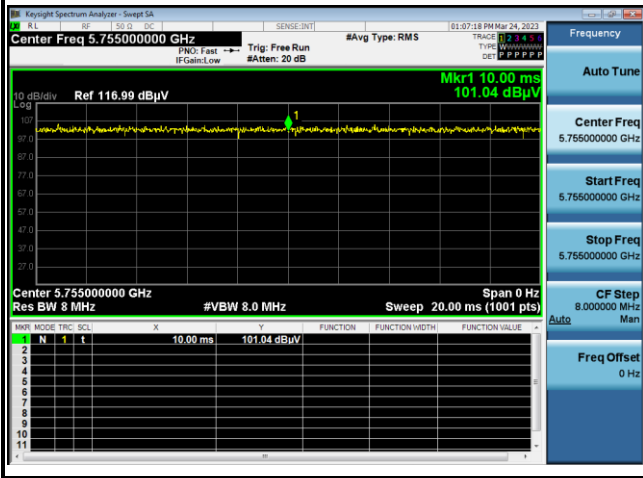


MIMO <Ant. 0+1>

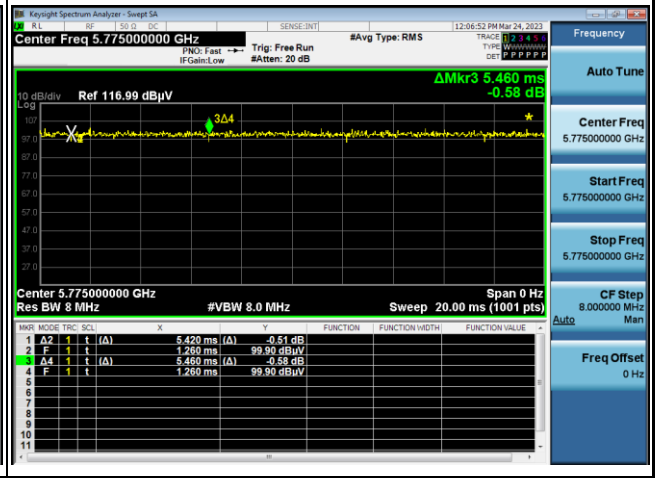




5GHz 802.11ax HE40 484 RU



5GHz 802.11ax HE80 Full RU



5GHz 802.11ax HE80 996 RU

