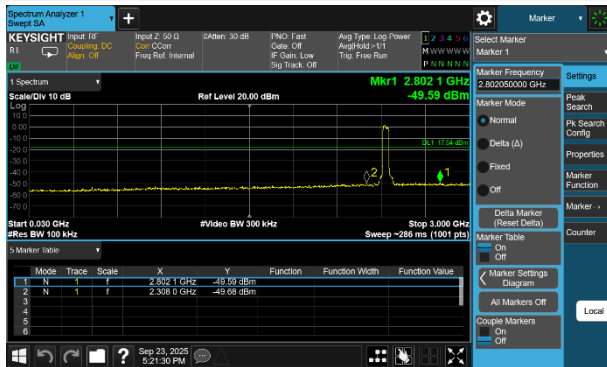
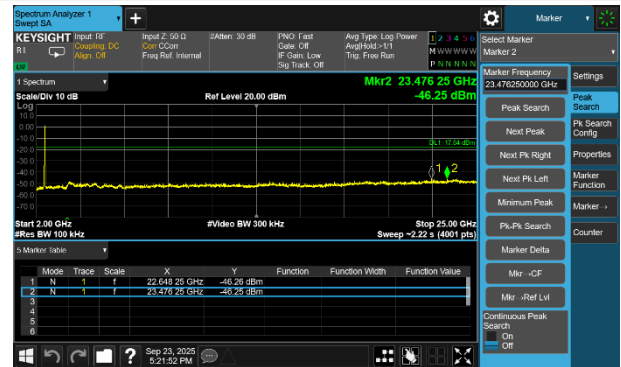


802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



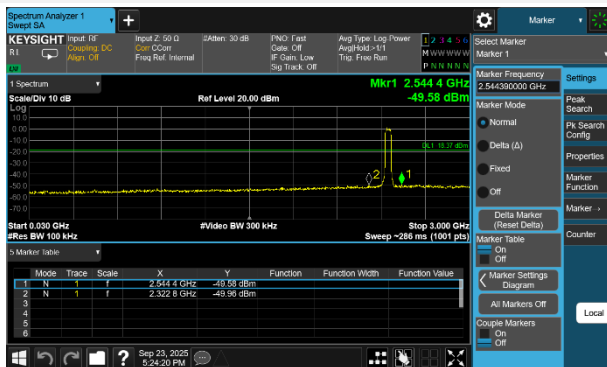
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



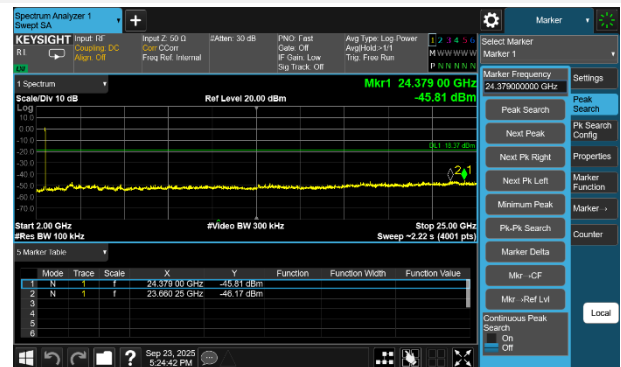
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



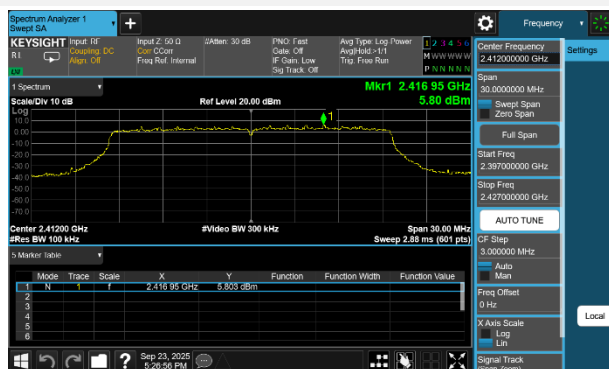
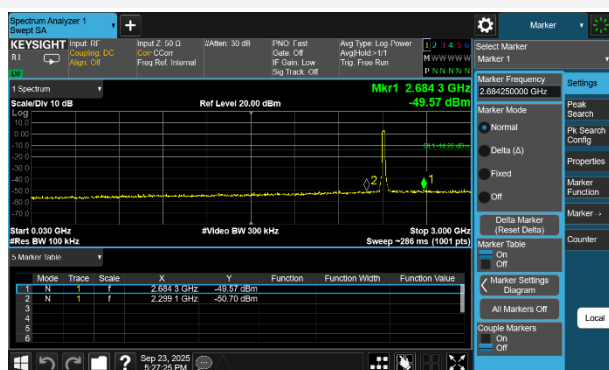
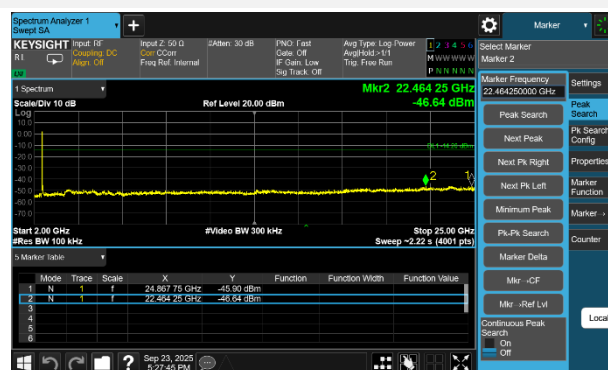
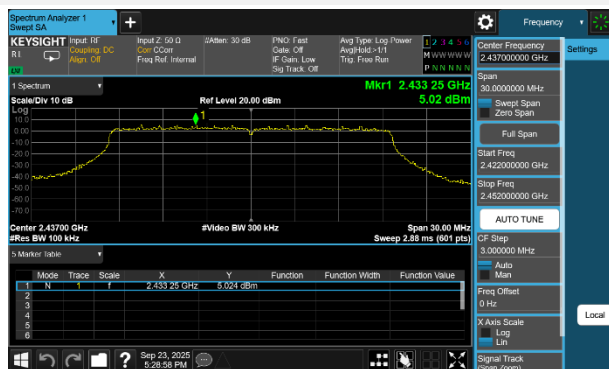
802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



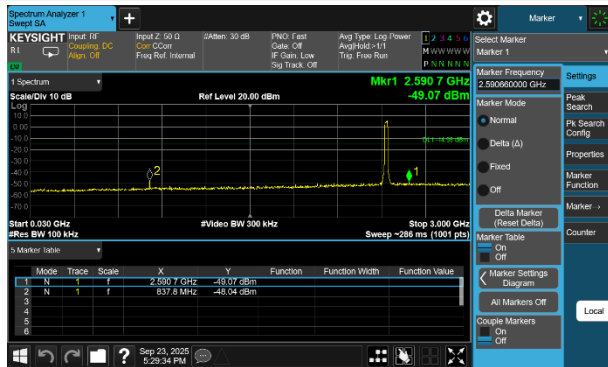
802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



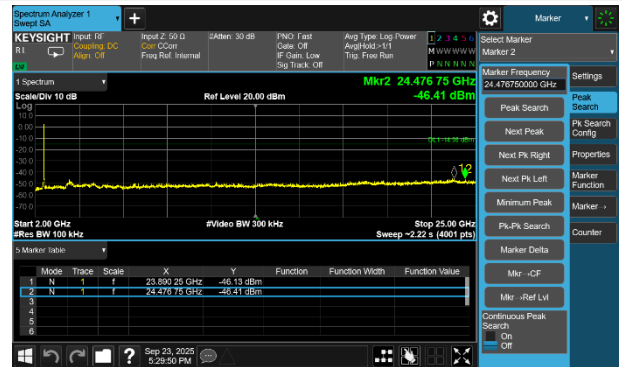
802.11ax-20 MHz(SU) LOW CHANNEL CARRIER LEVEL

802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz802.11ax-20 MHz(SU) MIDDLE CHANNEL CARRIER
LEVEL

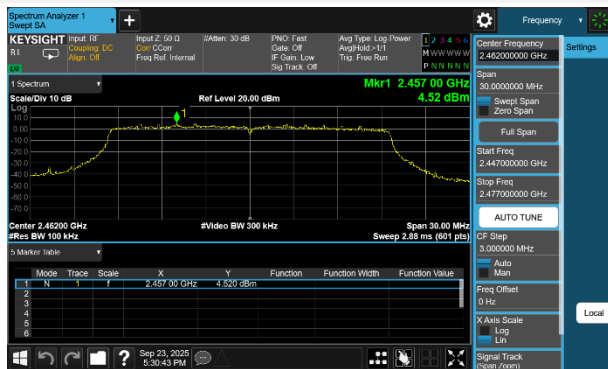
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



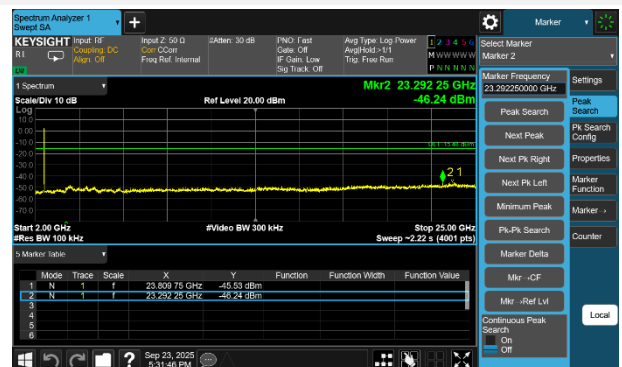
802.11ax-20 MHz(SU) HIGH CHANNEL CARRIER LEVEL



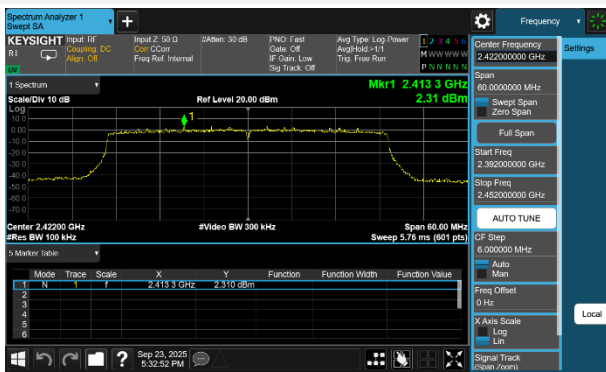
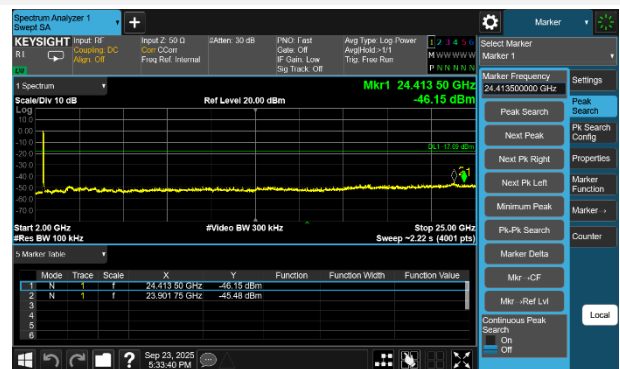
802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



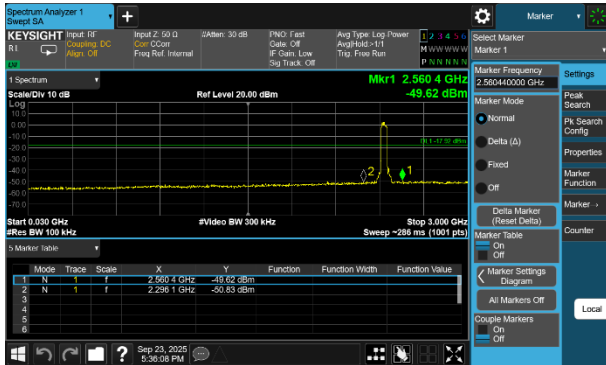
802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



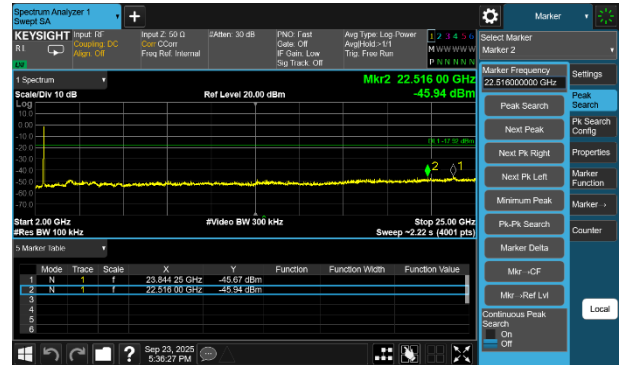
802.11ax-40 MHz(SU) LOW CHANNEL CARRIER LEVEL

802.11ax-40 MHz(SU) LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11ax-40 MHz(SU) LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz802.11ax-40 MHz(SU) MIDDLE CHANNEL CARRIER
LEVEL

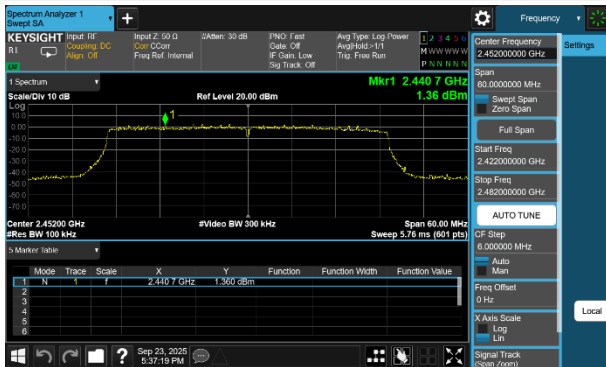
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



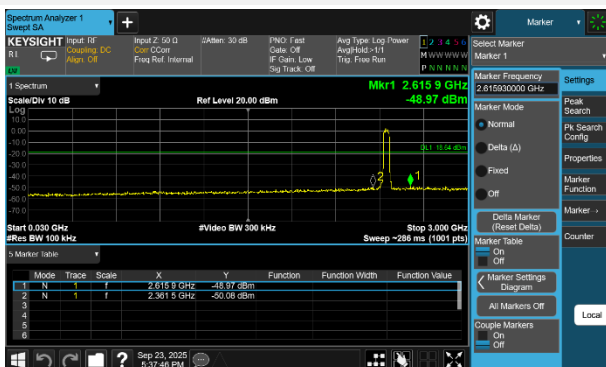
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



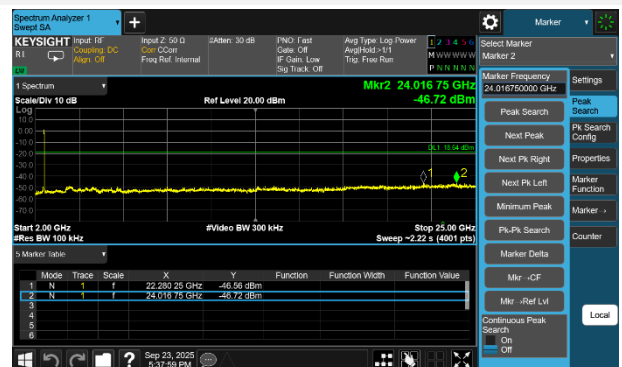
802.11ax-40 MHz(SU) HIGH CHANNEL CARRIER LEVEL



802.11ax-40 MHz(SU) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11ax-40 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



A.4 Band Edge (Authorized-band band-edge)

Note 1: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Note 2: All antenna were tested, but only the worst case has been reported in this report.

Note 3: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

Main Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-43.27	8.72	-11.28	Pass
High	-52.51	8.25	-11.75	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-38.46	6.60	-13.40	Pass
High	-51.75	3.29	-16.71	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.51	3.76	-16.24	Pass
High	-51.59	1.27	-18.73	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-41.64	0.70	-19.30	Pass
High	-50.23	0.42	-19.58	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-35.84	3.00	-17.00	Pass
High	-51.59	3.08	-16.92	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-40.22	-1.25	-21.25	Pass
High	-51.26	1.05	-18.95	Pass

Aux. Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-44.87	8.64	-11.36	Pass
High	-51.48	7.66	-12.34	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-35.39	5.66	-14.34	Pass
High	-50.39	4.81	-15.19	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-34.79	5.91	-14.09	Pass
High	-49.02	4.36	-15.64	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-38.90	2.32	-17.68	Pass
High	-45.81	1.63	-18.37	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-32.22	5.80	-14.20	Pass
High	-49.22	4.52	-15.48	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-39.17	2.31	-17.69	Pass
High	-46.15	1.36	-18.64	Pass

Test Plots

Main Antenna

802.11b LOW CHANNEL, CARRIER LEVEL



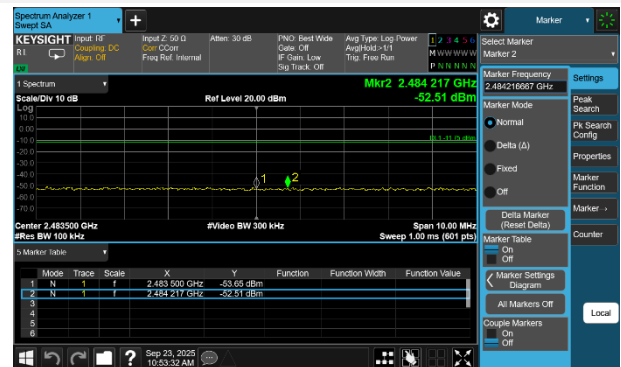
802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



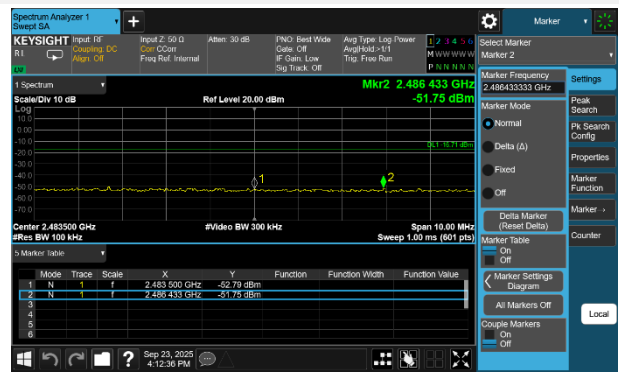
802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



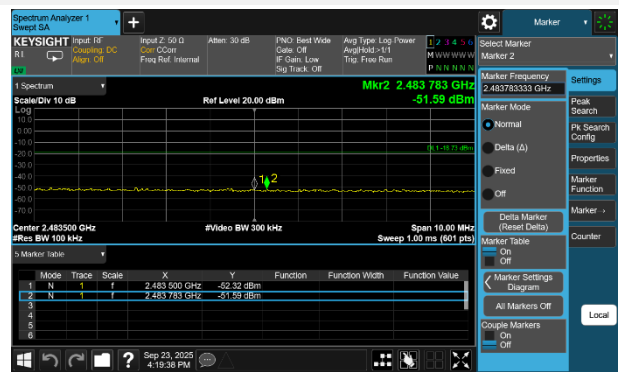
802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



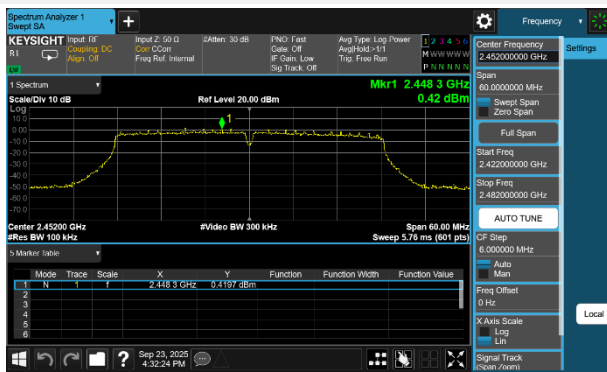
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



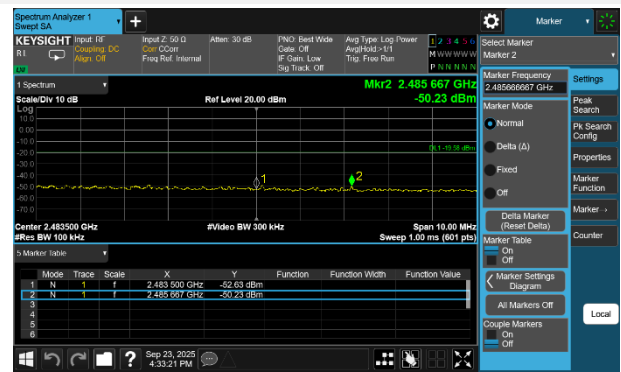
802.11n-40 MHz LOW CHANNEL, BAND EDGE



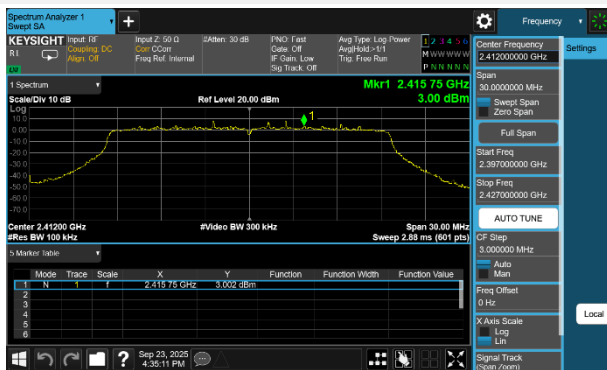
802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



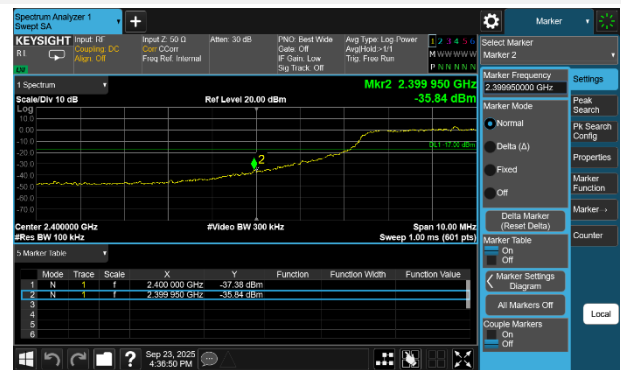
802.11n-40 MHz HIGH CHANNEL, BAND EDGE



802.11ax-20 MHz LOW CHANNEL, CARRIER LEVEL



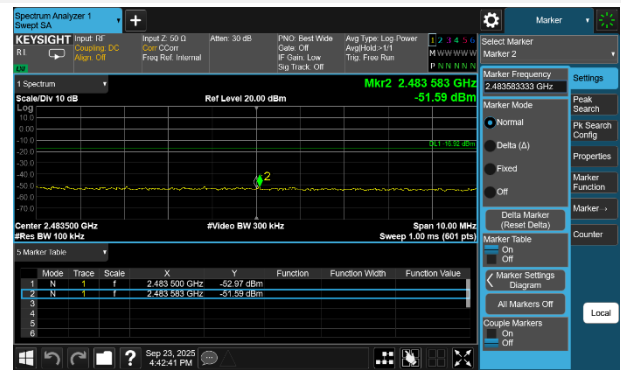
802.11ax-20 MHz LOW CHANNEL, BAND EDGE



802.11ax-20 MHz HIGH CHANNEL, CARRIER LEVEL



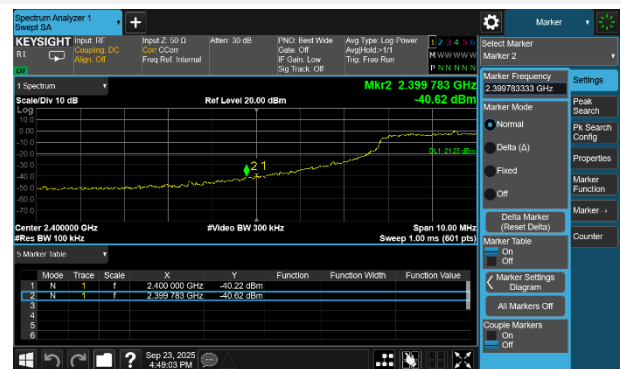
802.11ax-20 MHz HIGH CHANNEL, BAND EDGE



802.11ax-40 MHz LOW CHANNEL, CARRIER LEVEL



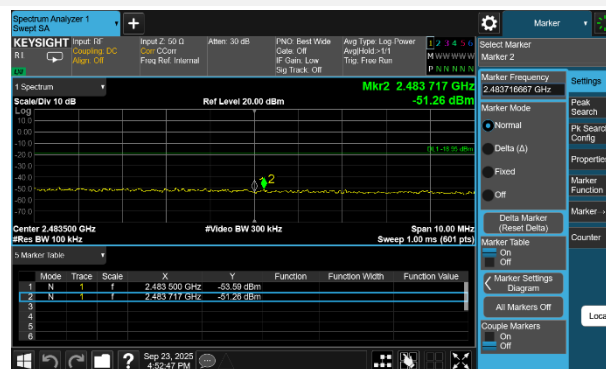
802.11ax-40 MHz LOW CHANNEL, BAND EDGE



802.11ax-40 MHz HIGH CHANNEL, CARRIER LEVEL

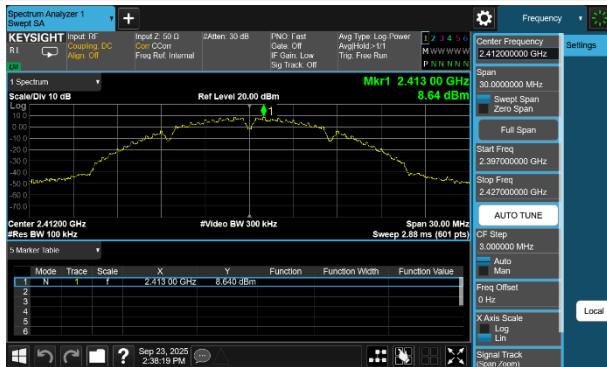


802.11ax-40 MHz HIGH CHANNEL, BAND EDGE



Aux. Antenna

802.11b LOW CHANNEL, CARRIER LEVEL



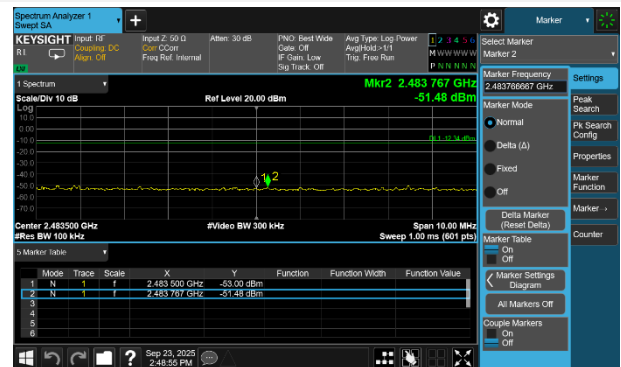
802.11b LOW CHANNEL, BAND EDGE



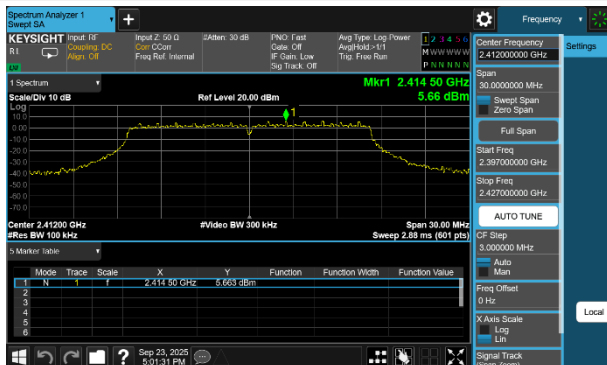
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



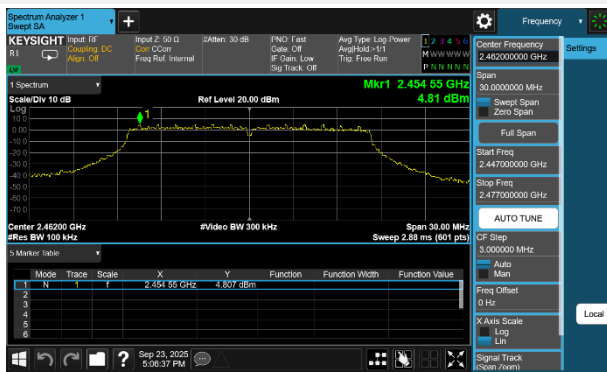
802.11g LOW CHANNEL, CARRIER LEVEL



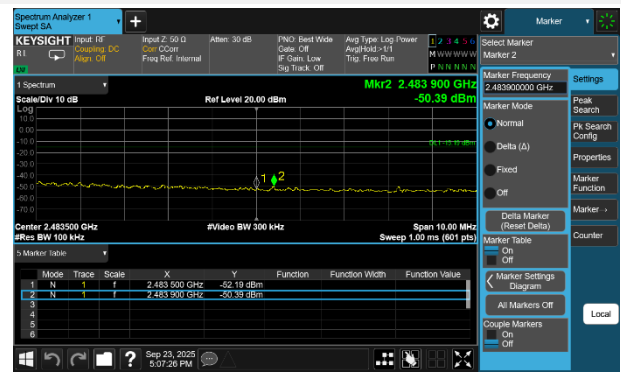
802.11g LOW CHANNEL, BAND EDGE



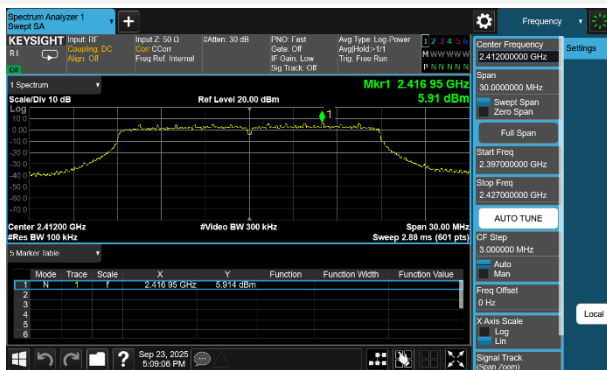
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



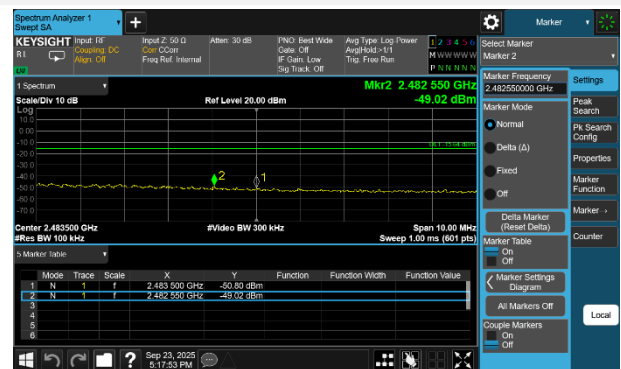
802.11n-20 MHz LOW CHANNEL, BAND EDGE



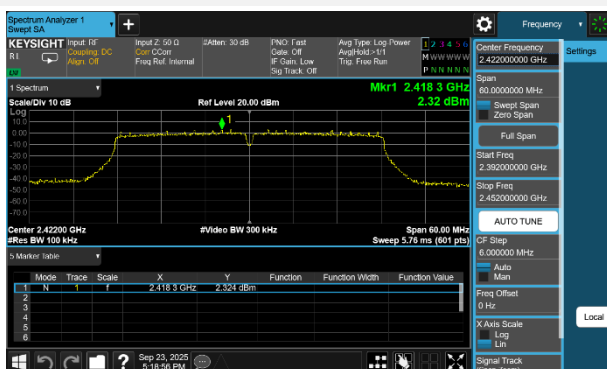
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



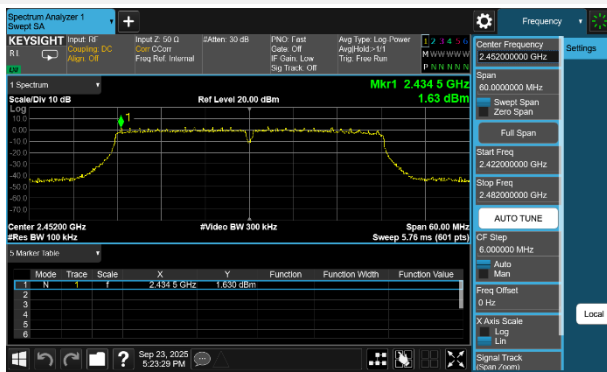
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



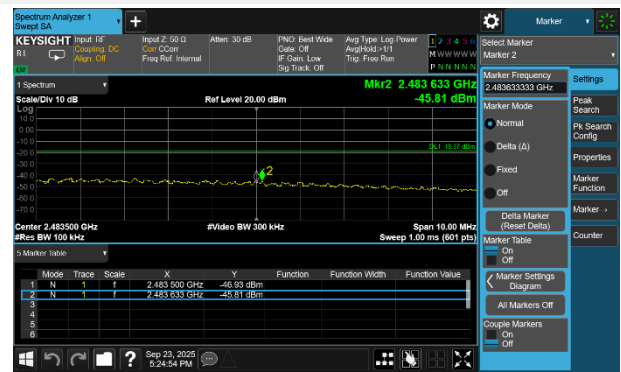
802.11n-40 MHz LOW CHANNEL, BAND EDGE



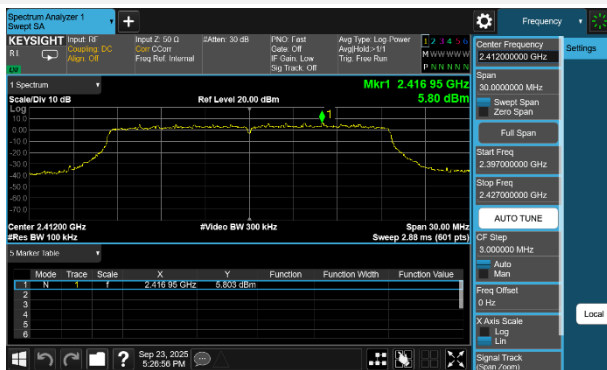
802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



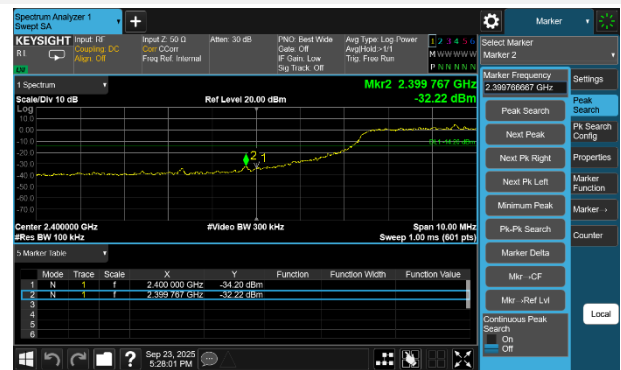
802.11n-40 MHz HIGH CHANNEL, BAND EDGE



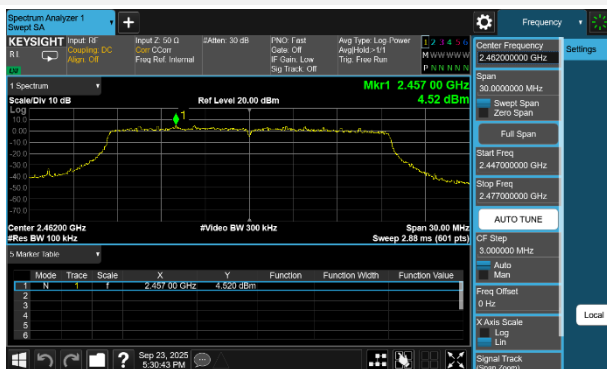
802.11ax-20 MHz LOW CHANNEL, CARRIER LEVEL



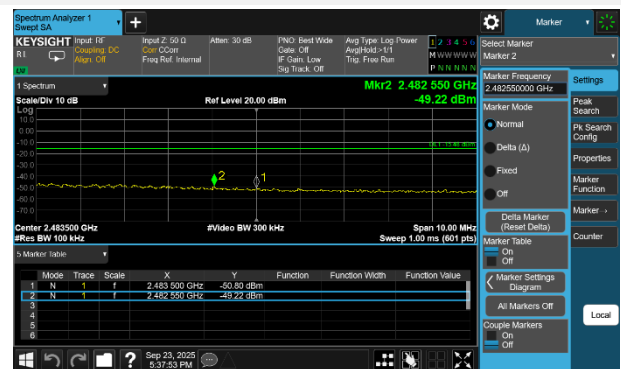
802.11ax-20 MHz LOW CHANNEL, BAND EDGE



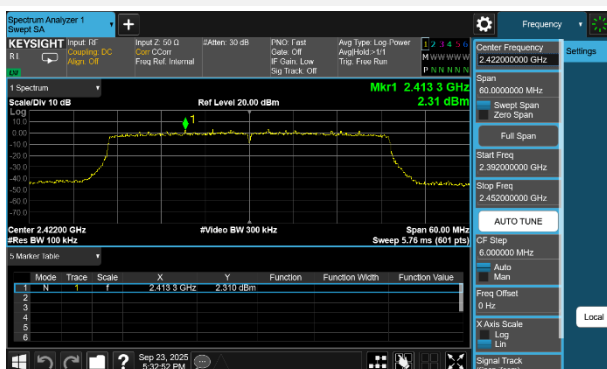
802.11ax-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11ax-20 MHz HIGH CHANNEL, BAND EDGE



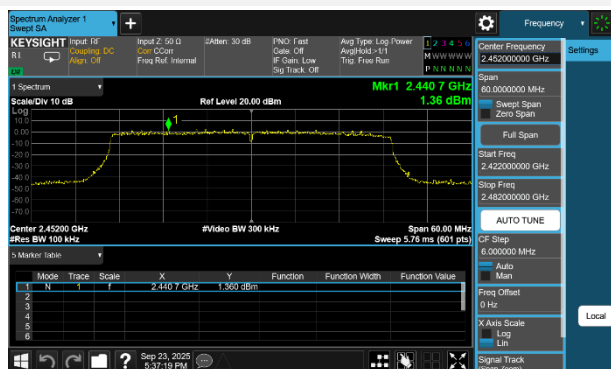
802.11ax-40 MHz LOW CHANNEL, CARRIER LEVEL



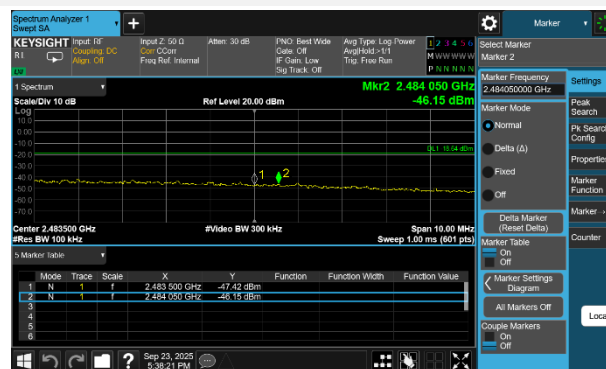
802.11ax-40 MHz LOW CHANNEL, BAND EDGE



802.11ax-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11ax-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emission

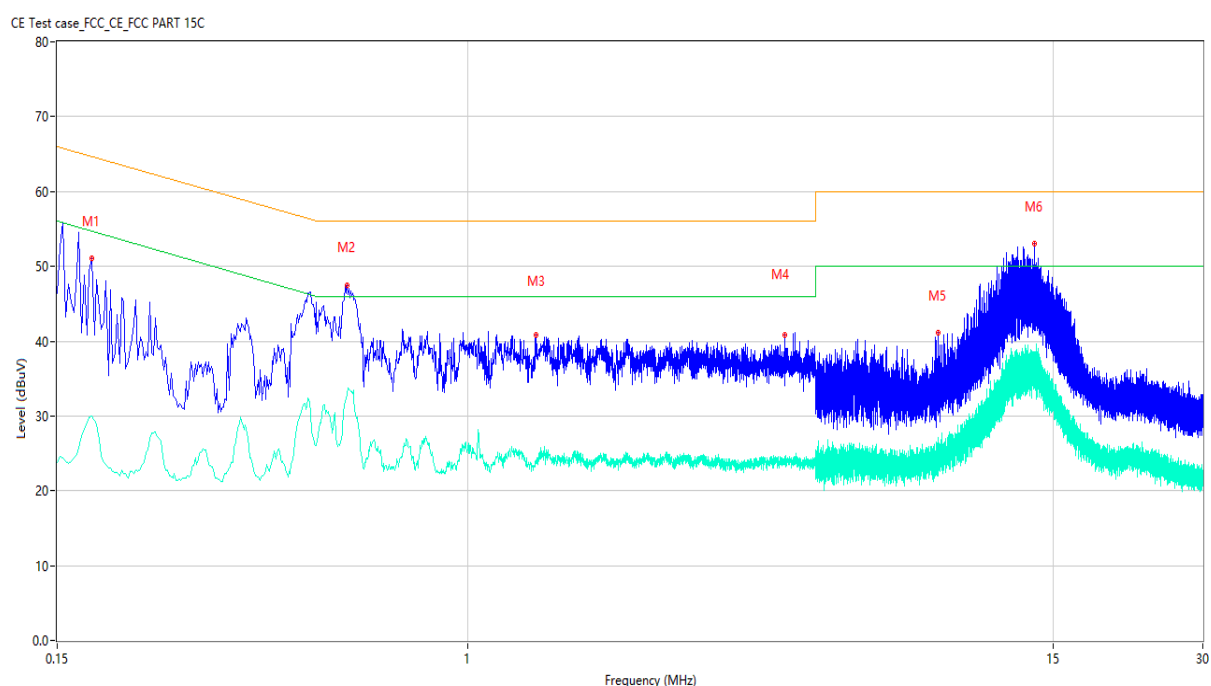
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note 2: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note 3: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

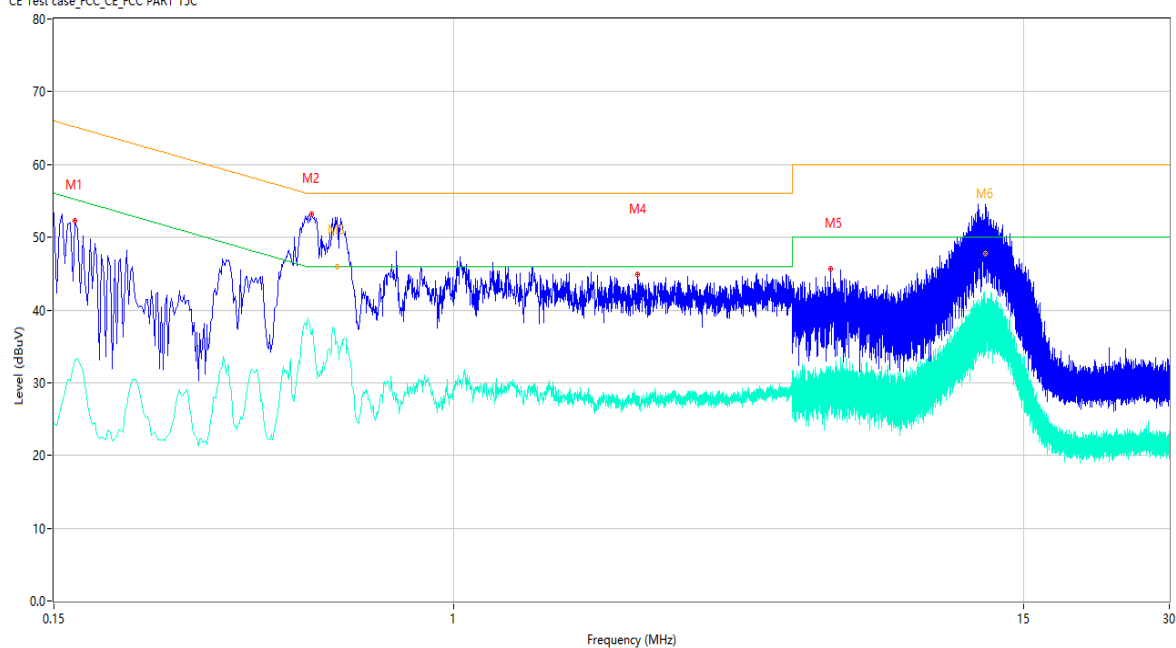
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.176	51.08	10.09	64.67	13.59	Peak	L	Pass
1**	0.176	29.99	10.09	54.67	24.68	AV	L	Pass
2	0.574	47.52	10.18	56.00	8.48	Peak	L	Pass
2**	0.574	32.98	10.18	46.00	13.02	AV	L	Pass
3	1.376	40.83	10.25	56.00	15.17	Peak	L	Pass
3**	1.376	23.60	10.25	46.00	22.40	AV	L	Pass
4	4.332	40.77	10.43	56.00	15.23	Peak	L	Pass
4**	4.332	24.10	10.43	46.00	21.90	AV	L	Pass
5	8.828	41.13	10.85	60.00	18.87	Peak	L	Pass
5**	8.828	26.56	10.85	50.00	23.44	AV	L	Pass
6	13.802	53.06	11.13	60.00	6.94	Peak	L	Pass
6**	13.802	37.64	11.13	50.00	12.36	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.166	52.31	10.15	65.16	12.85	Peak	N	Pass
1**	0.166	33.15	10.15	55.16	22.01	AV	N	Pass
2	0.510	53.22	10.17	56.00	2.78	Peak	N	Pass
2**	0.510	36.59	10.17	46.00	9.41	AV	N	Pass
3	0.576	53.42	10.19	56.00	2.58	Peak	N	N/A
3*	0.576	45.93	10.19	56.00	10.07	QP	N	Pass
3**	0.576	35.63	10.19	46.00	10.37	AV	N	Pass
4	2.402	44.85	10.27	56.00	11.15	Peak	N	Pass
4**	2.402	27.46	10.27	46.00	18.54	AV	N	Pass
5	6.000	45.62	10.53	60.00	14.38	Peak	N	Pass
5**	6.000	32.19	10.53	50.00	17.81	AV	N	Pass
6	12.502	53.92	11.03	60.00	6.08	Peak	N	N/A
6*	12.502	47.70	11.03	60.00	12.30	QP	N	Pass
6**	12.502	40.23	11.03	50.00	9.77	AV	N	Pass

A.6 Radiated Emission

Note 1: The symbol of "--" in the table which means not application.

Note 2: For the test data above 1 GHz, According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

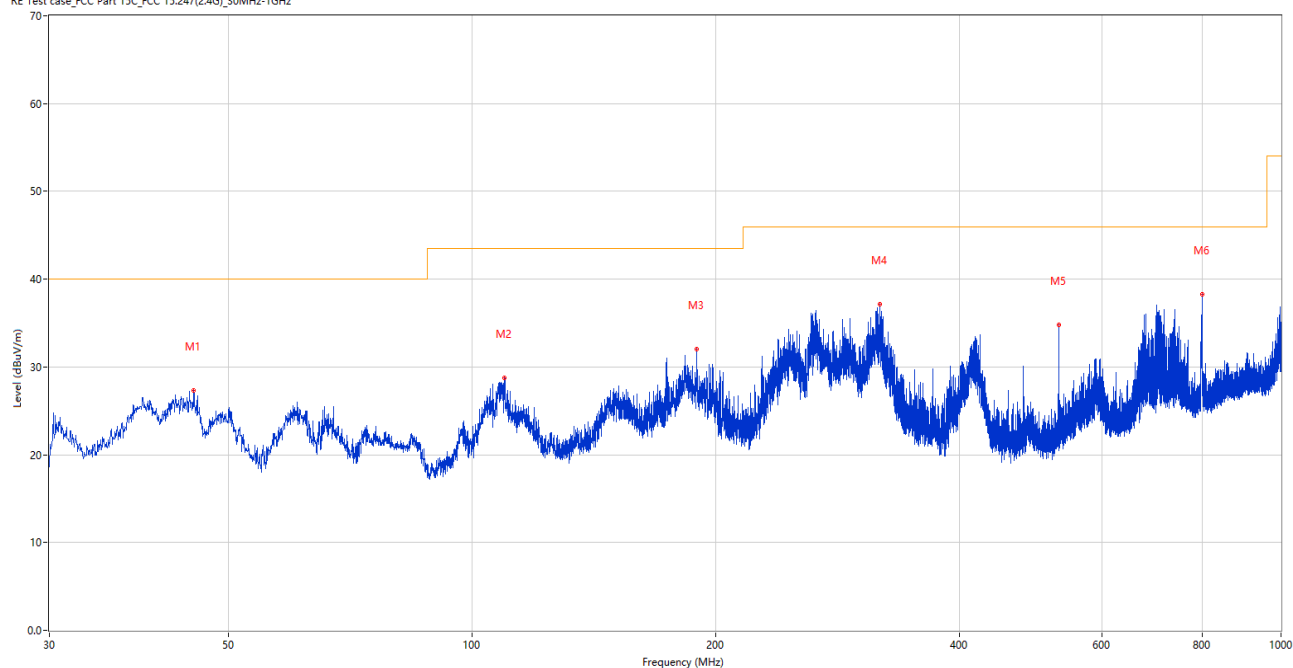
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.792	19.39	-24.77	40.0	20.61	Peak	32.00	200	Horizontal	Pass
2	108.667	33.21	-26.52	43.5	10.29	Peak	99.00	200	Horizontal	Pass
3	149.892	33.03	-29.57	43.5	10.47	Peak	88.00	200	Horizontal	Pass
4	243.934	37.35	-24.27	46.0	8.65	Peak	202.00	200	Horizontal	Pass
5	314.016	40.97	-23.04	46.0	5.03	Peak	251.00	200	Horizontal	Pass
6	733.541	38.46	-12.54	46.0	7.54	Peak	196.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.278	27.37	-24.69	40.0	12.63	Peak	0.00	100	Vertical	Pass
2	109.686	28.81	-26.55	43.5	14.69	Peak	176.00	100	Vertical	Pass
3	189.322	32.02	-26.53	43.5	11.48	Peak	118.00	200	Vertical	Pass
4	318.963	37.13	-22.80	46.0	8.87	Peak	100.00	200	Vertical	Pass
5	531.539	34.81	-17.42	46.0	11.19	Peak	261.00	100	Vertical	Pass
6	799.841	38.26	-11.66	46.0	7.74	Peak	75.00	200	Vertical	Pass