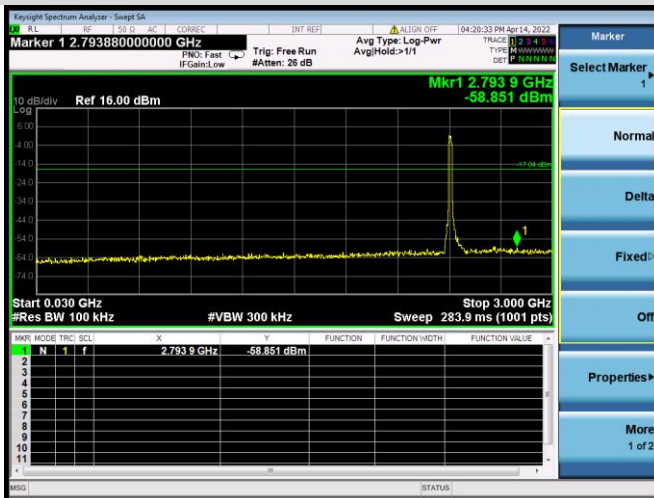


802.11g CHANNEL 1, SPURIOUS 30 MHz ~ 3 GHz



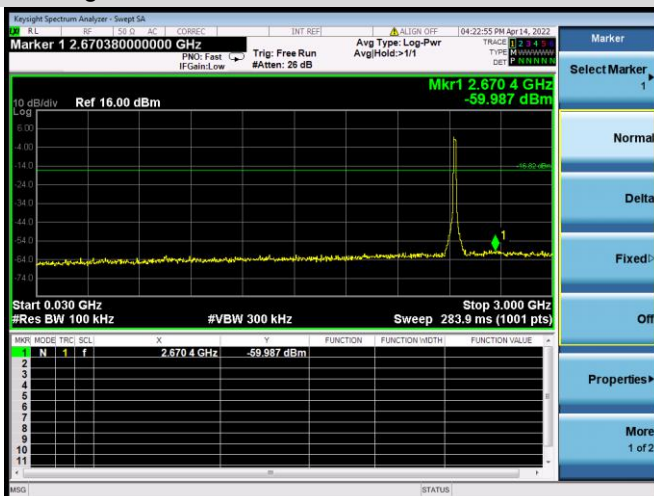
802.11g CHANNEL 1, SPURIOUS 2 GHz ~ 25 GHz



802.11g CHANNEL 6 CARRIER LEVEL



802.11g CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



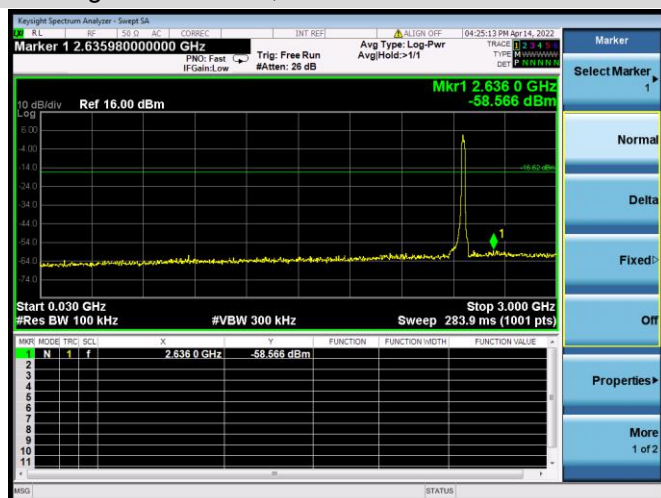
802.11g CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



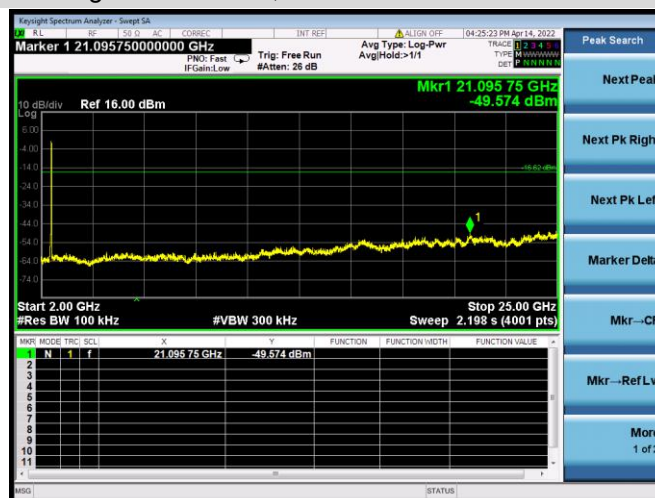
802.11g CHANNEL 11 CARRIER LEVEL



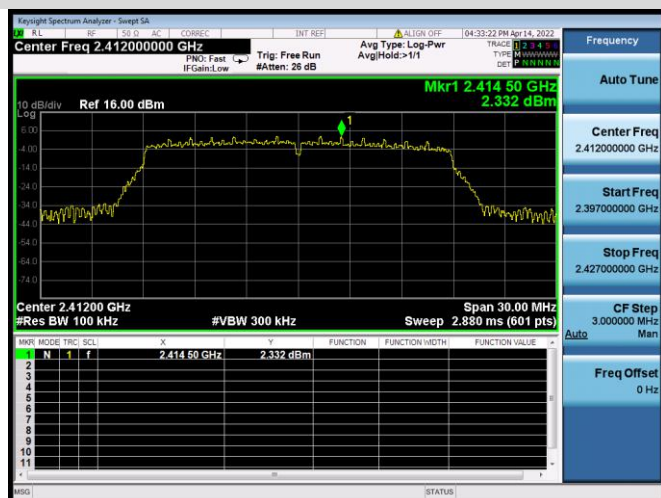
802.11g CHANNEL 11, SPURIOUS 30 MHz ~ 3 GHz



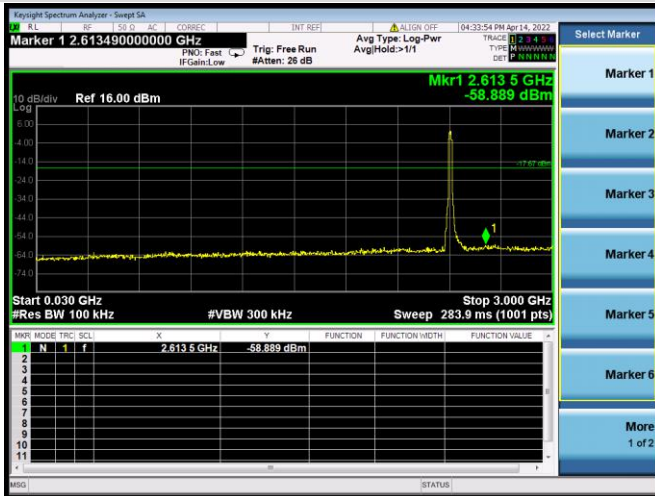
802.11g CHANNEL 11, SPURIOUS 2 GHz ~ 25 GHz



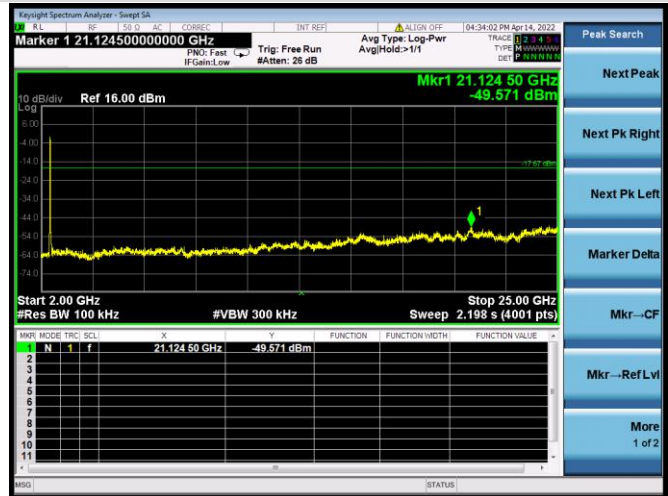
802.11n-20 MHz CHANNEL 1 CARRIER LEVEL



802.11n-20 MHz CHANNEL 1, SPURIOUS 30 MHz ~ 3 GHz



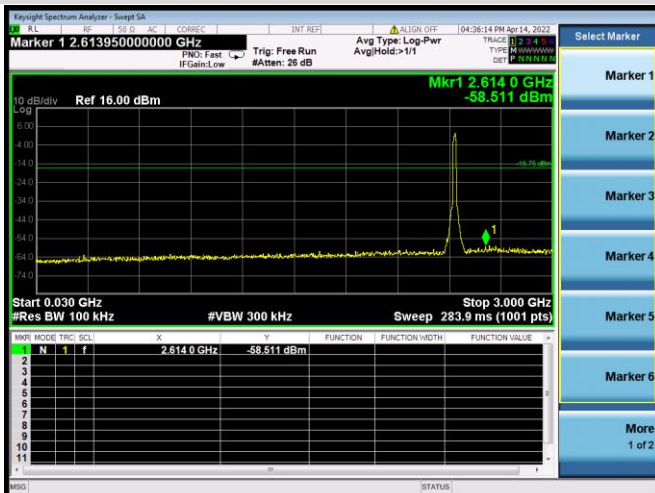
802.11n-20 MHz CHANNEL 1, SPURIOUS 2 GHz ~ 25 GHz



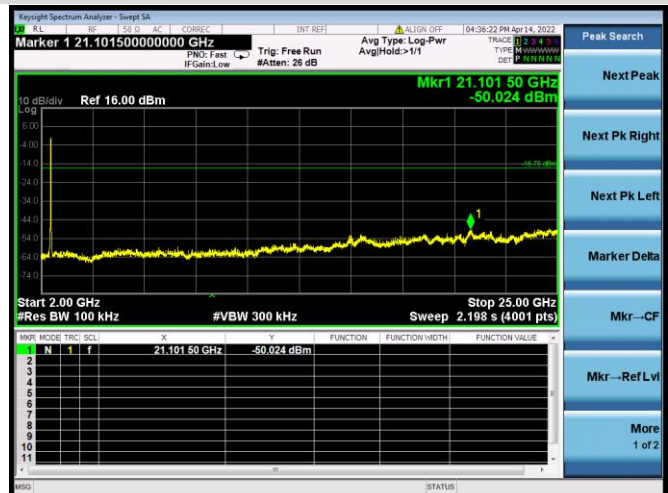
802.11n-20 MHz CHANNEL 6 CARRIER LEVEL



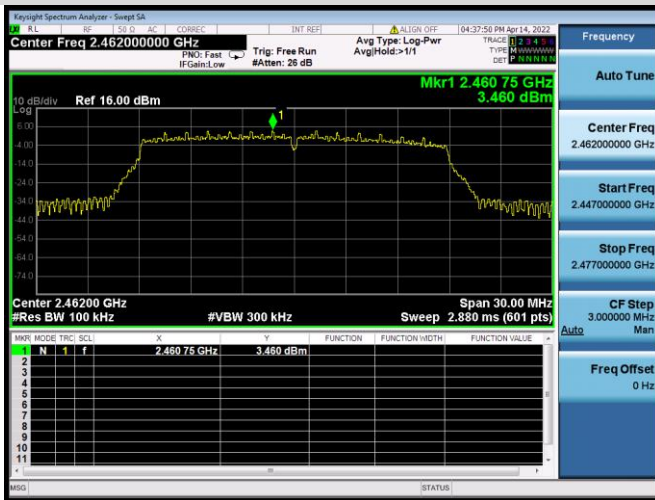
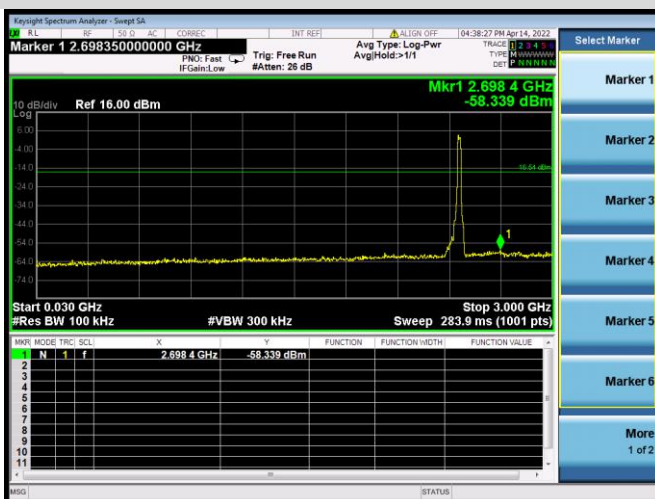
802.11n-20 MHz CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



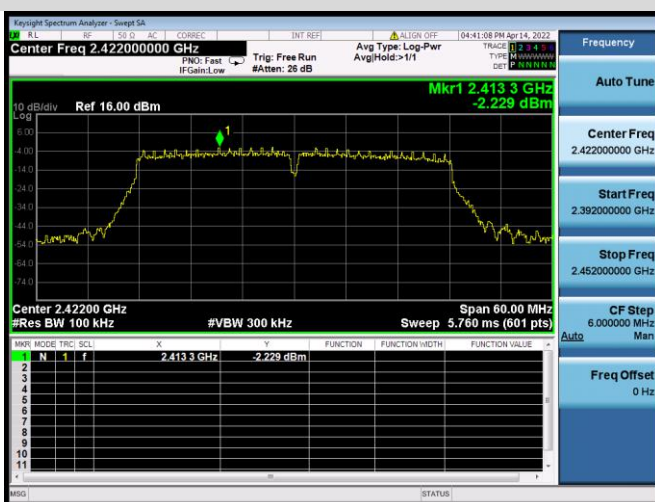
802.11n-20 MHz CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



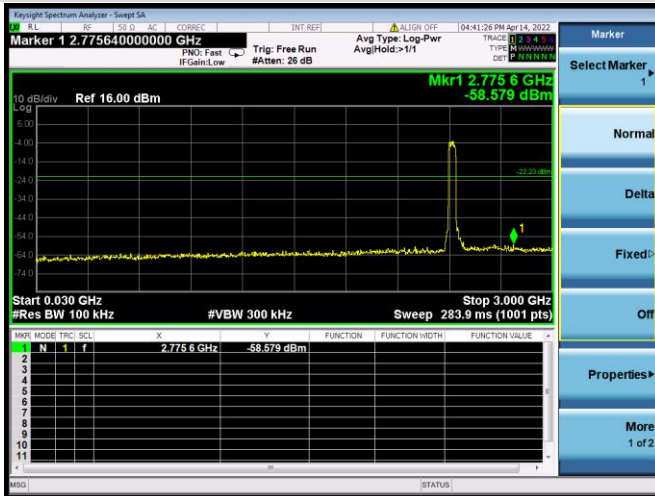
802.11n-20 MHz CHANNEL 11 CARRIER LEVEL

802.11n-20 MHz CHANNEL 11, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz CHANNEL 11, SPURIOUS
2 GHz ~ 25 GHz

802.11n-40 MHz CHANNEL 3 CARRIER LEVEL



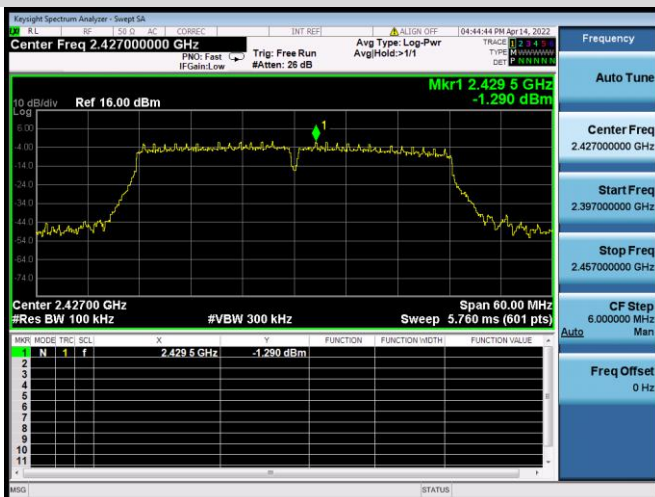
802.11n-40 MHz CHANNEL 3, SPURIOUS 30 MHz ~ 3 GHz



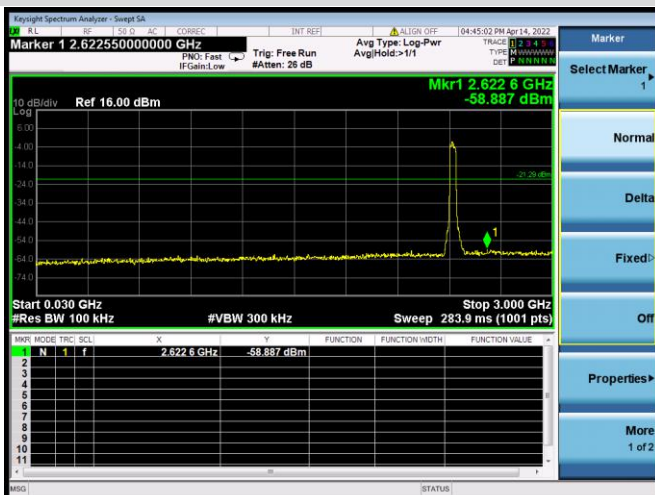
802.11n-40 MHz CHANNEL 3, SPURIOUS 2 GHz ~ 25 GHz



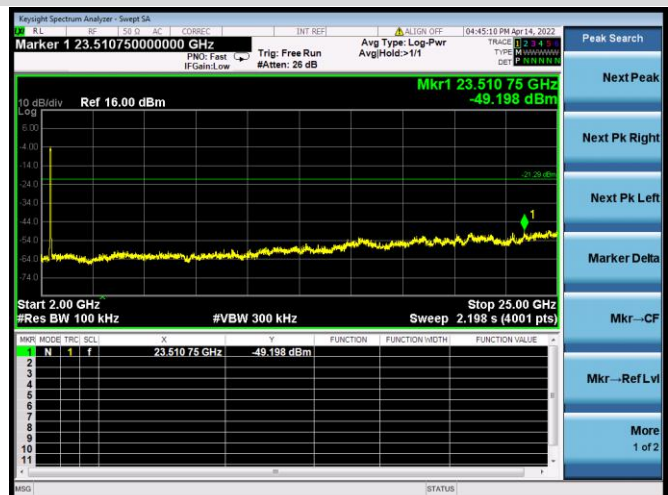
802.11n-40 MHz CHANNEL 4 CARRIER LEVEL



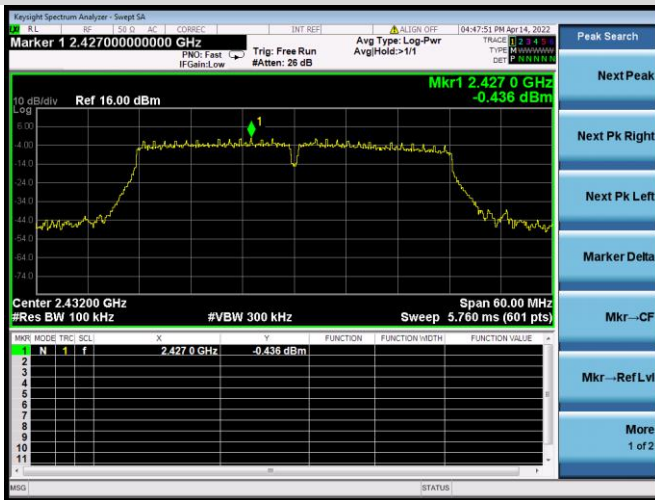
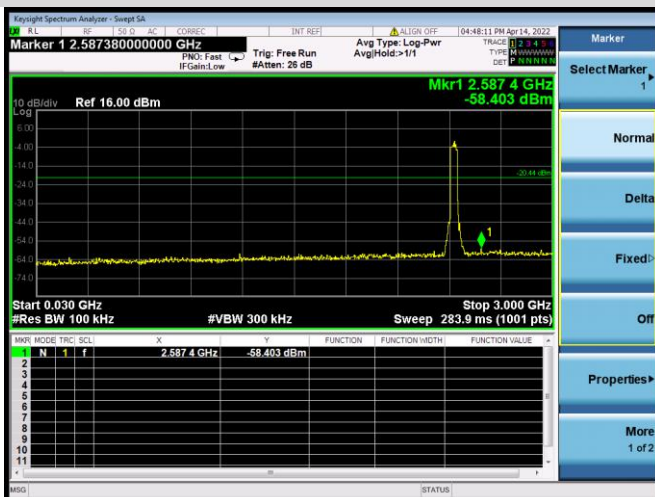
802.11n-40 MHz CHANNEL 4, SPURIOUS 30 MHz ~ 3 GHz



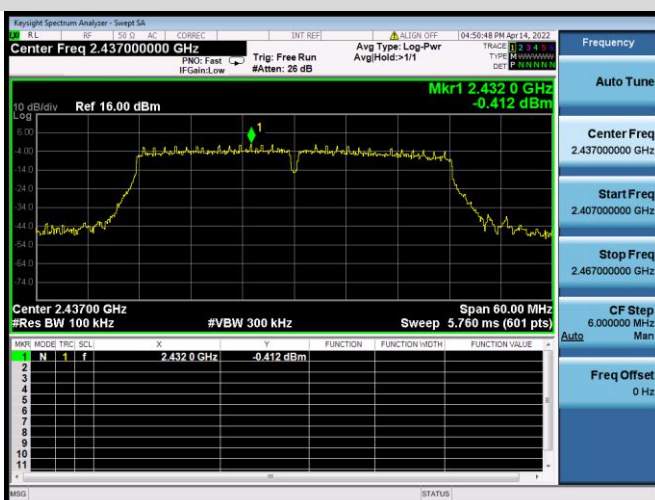
802.11n-40 MHz CHANNEL 4, SPURIOUS 2 GHz ~ 25 GHz



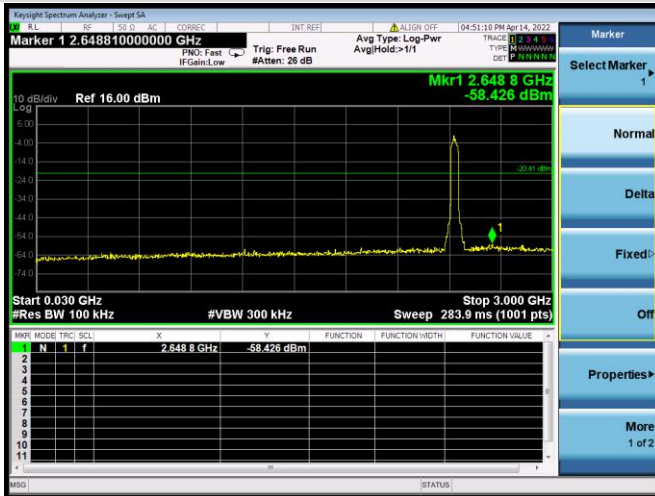
802.11n-40 MHz CHANNEL 5 CARRIER LEVEL

802.11n-40 MHz CHANNEL 5, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz CHANNEL 5, SPURIOUS
2 GHz ~ 25 GHz

802.11n-40 MHz CHANNEL 6 CARRIER LEVEL



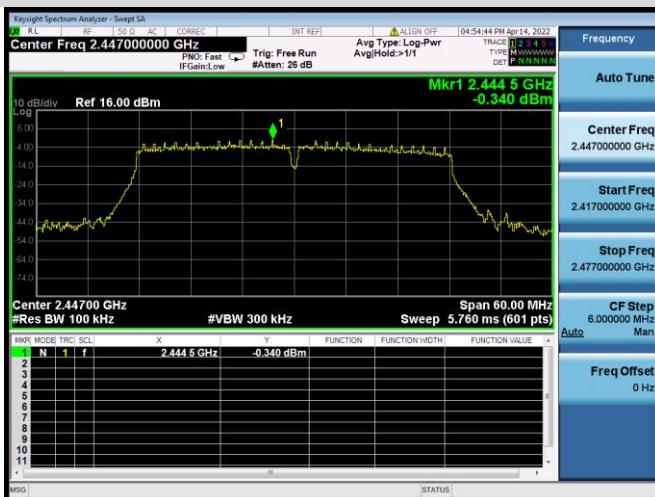
802.11n-40 MHz CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



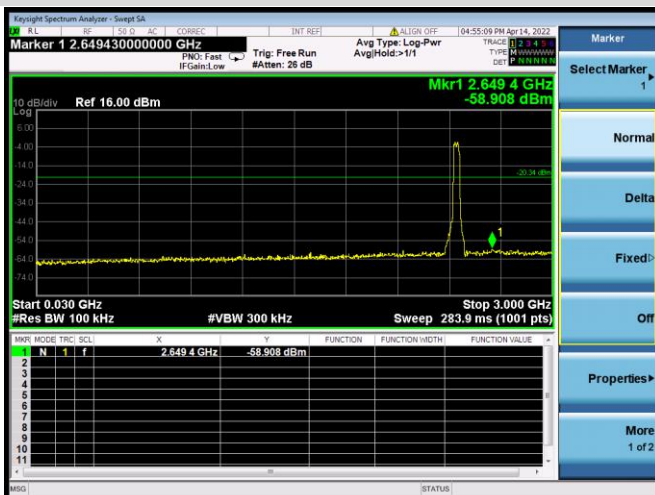
802.11n-40 MHz CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



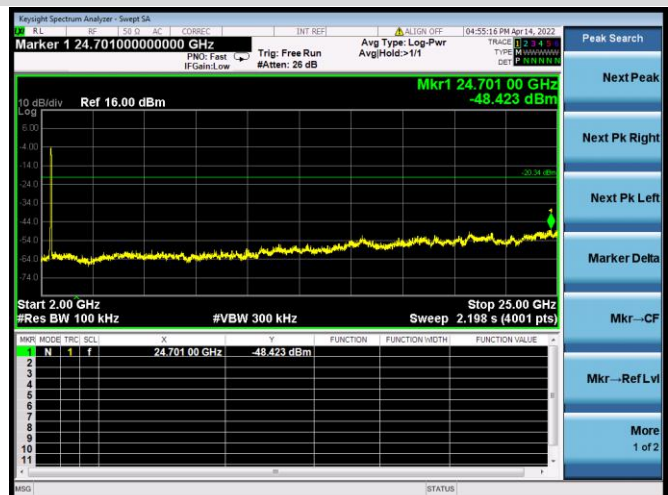
802.11n-40 MHz CHANNEL 8 CARRIER LEVEL



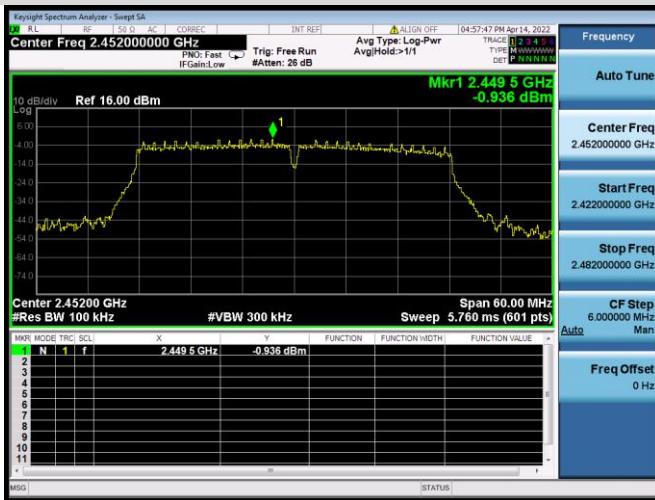
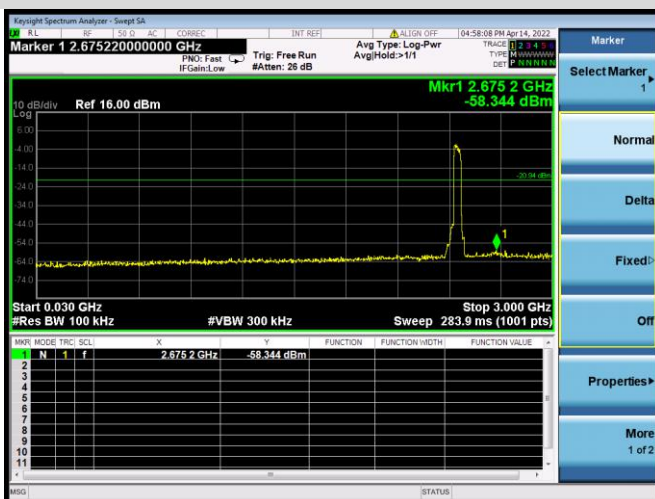
802.11n-40 MHz CHANNEL 8, SPURIOUS 30 MHz ~ 3 GHz



802.11n-40 MHz CHANNEL 8, SPURIOUS 2 GHz ~ 25 GHz



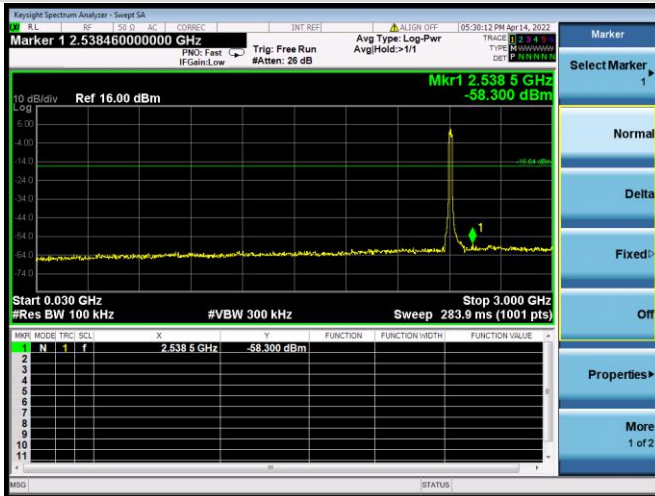
802.11n-40 MHz CHANNEL 9 CARRIER LEVEL

802.11n-40 MHz CHANNEL 9, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz CHANNEL 9, SPURIOUS
2 GHz ~ 25 GHz

VHT-20 MHz CHANNEL 1 CARRIER LEVEL



VHT-20 MHz CHANNEL 1, SPURIOUS 30 MHz ~ 3 GHz



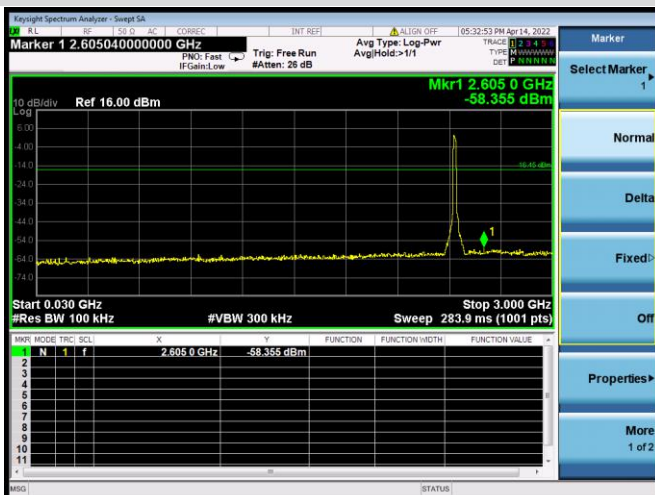
VHT-20 MHz CHANNEL 1, SPURIOUS 2 GHz ~ 25 GHz



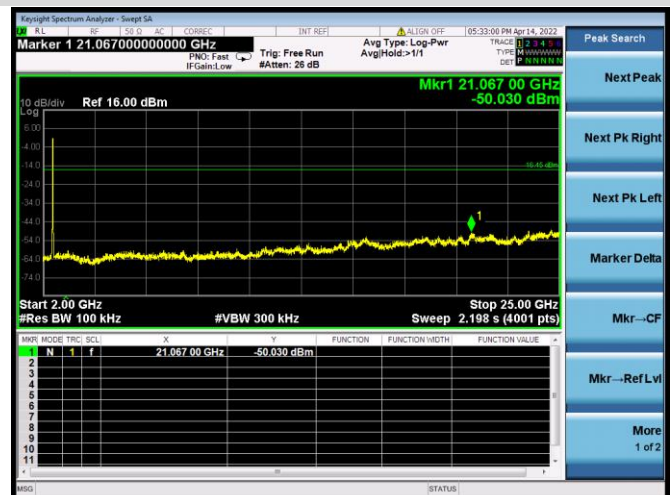
VHT-20 MHz CHANNEL 6 CARRIER LEVEL



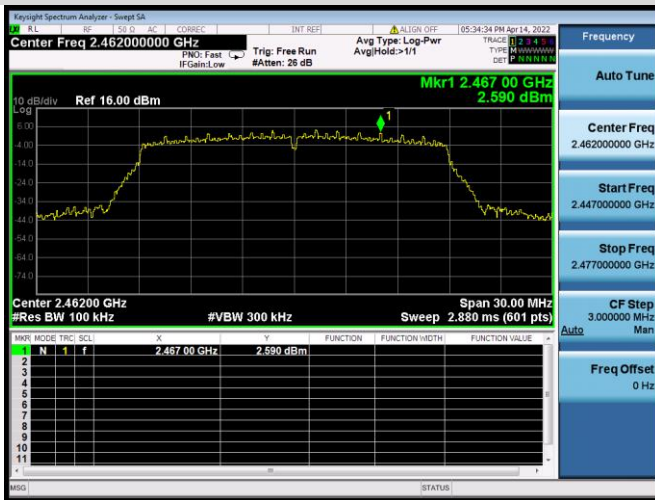
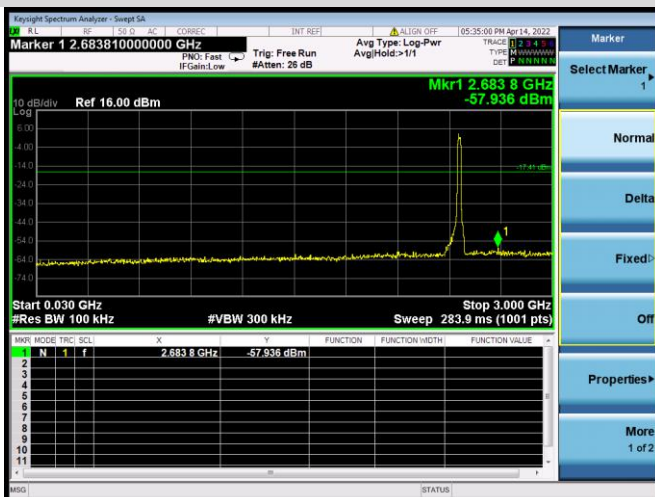
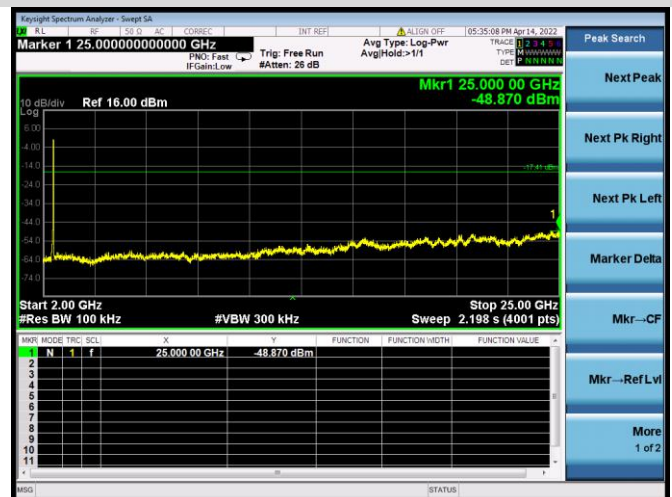
VHT-20 MHz CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



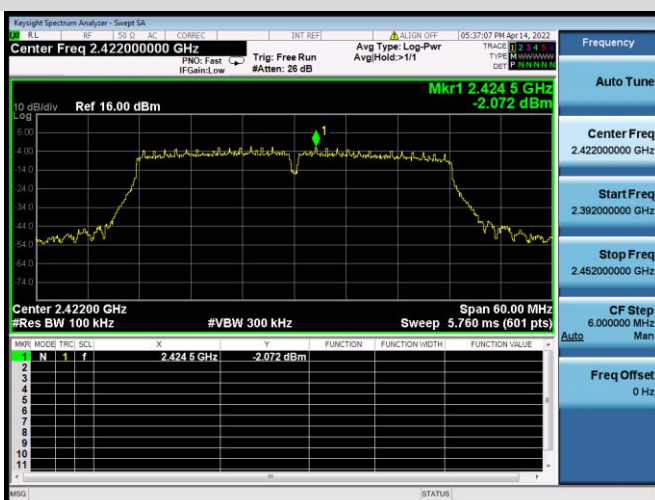
VHT-20 MHz CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



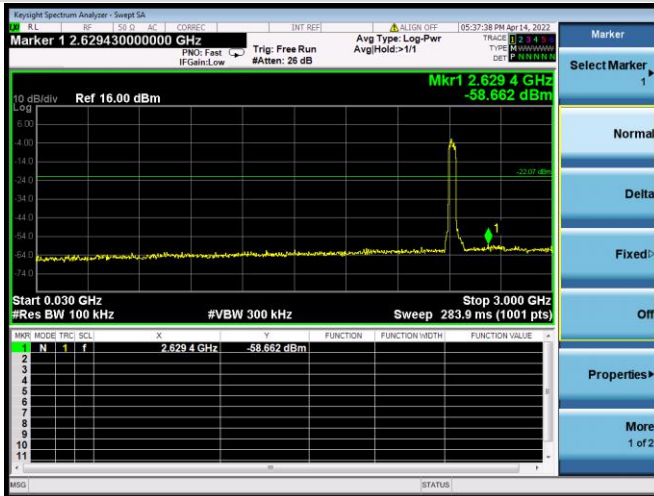
VHT-20 MHz CHANNEL 11 CARRIER LEVEL

VHT-20 MHz CHANNEL 11, SPURIOUS
30 MHz ~ 3 GHzVHT-20 MHz CHANNEL 11, SPURIOUS
2 GHz ~ 25 GHz

VHT-40 MHz CHANNEL 3 CARRIER LEVEL



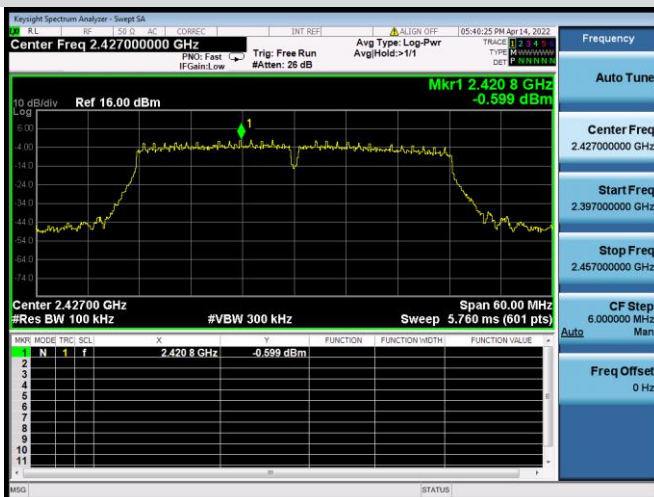
VHT-40 MHz CHANNEL 3, SPURIOUS 30 MHz ~ 3 GHz



VHT-40 MHz CHANNEL 3, SPURIOUS 2 GHz ~ 25 GHz



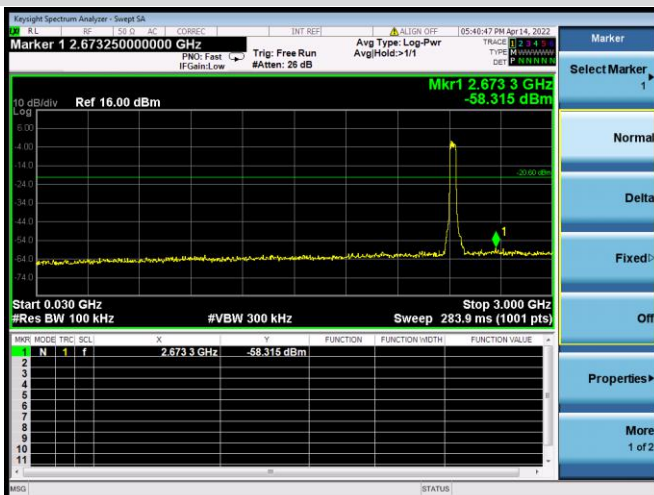
VHT-40 MHz CHANNEL 4 CARRIER LEVEL



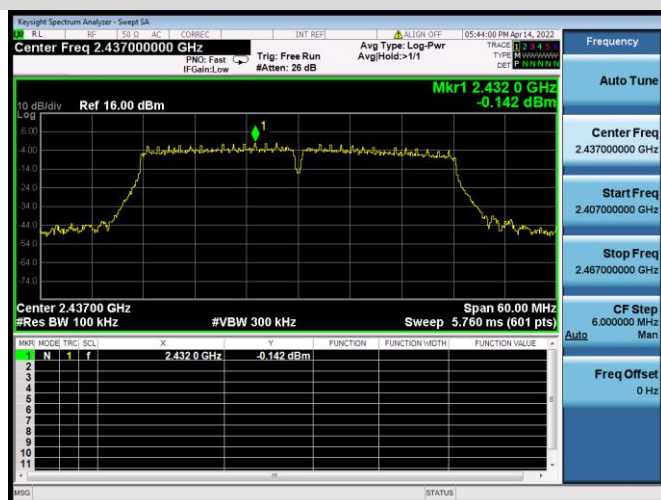
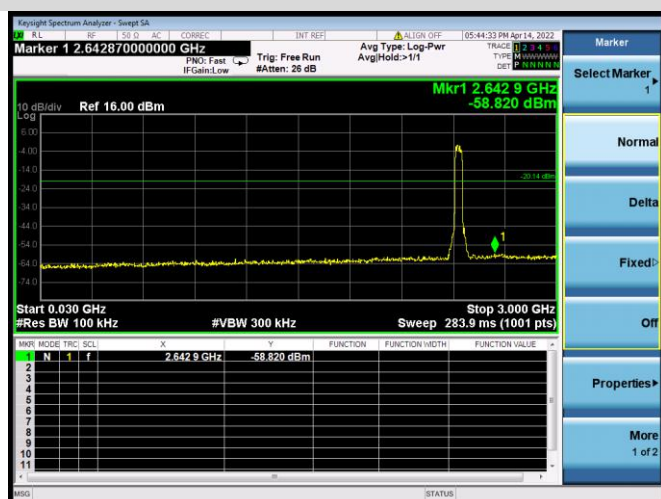
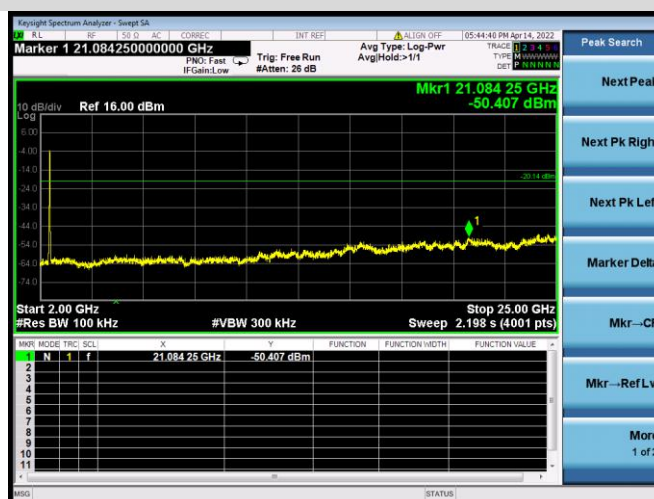
VHT-40 MHz CHANNEL 4, SPURIOUS 2 GHz ~ 25 GHz



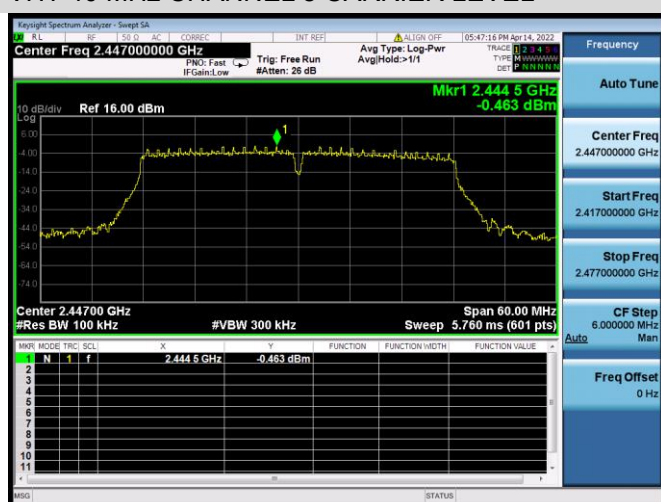
VHT-40 MHz CHANNEL 4, SPURIOUS 30 MHz ~ 3 GHz



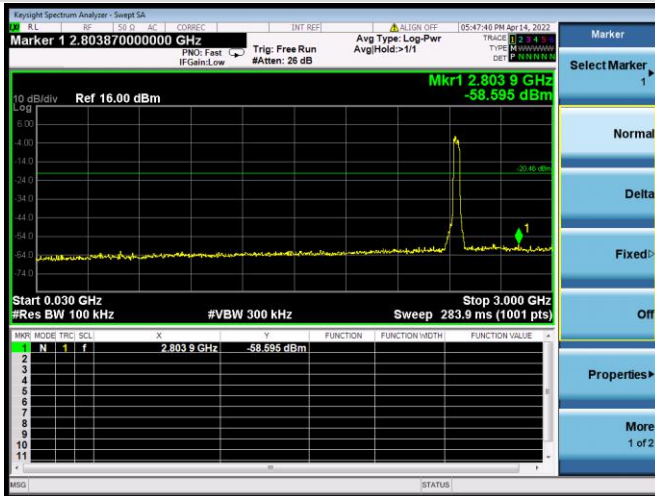
VHT-40 MHz CHANNEL 6 CARRIER LEVEL

VHT-40 MHz CHANNEL 6, SPURIOUS
30 MHz ~ 3 GHzVHT-40 MHz CHANNEL 6, SPURIOUS
2 GHz ~ 25 GHz

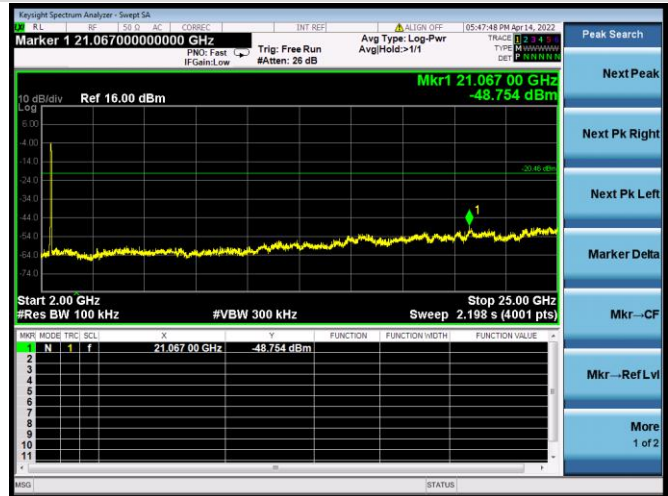
VHT-40 MHz CHANNEL 8 CARRIER LEVEL



VHT-40 MHz CHANNEL 8, SPURIOUS 30 MHz ~ 3 GHz



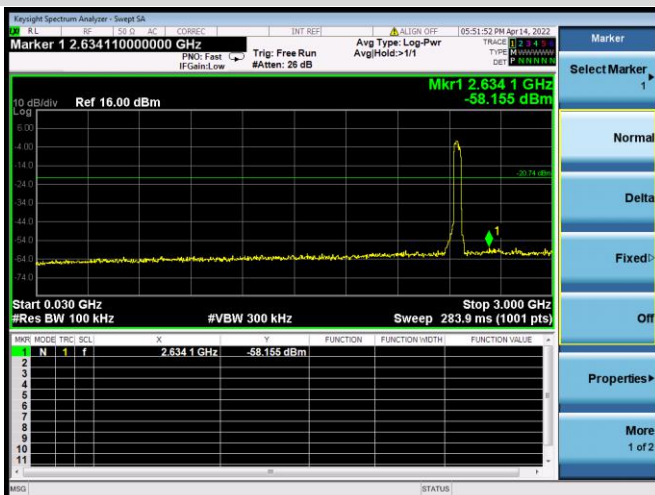
VHT-40 MHz CHANNEL 8, SPURIOUS 2 GHz ~ 25 GHz



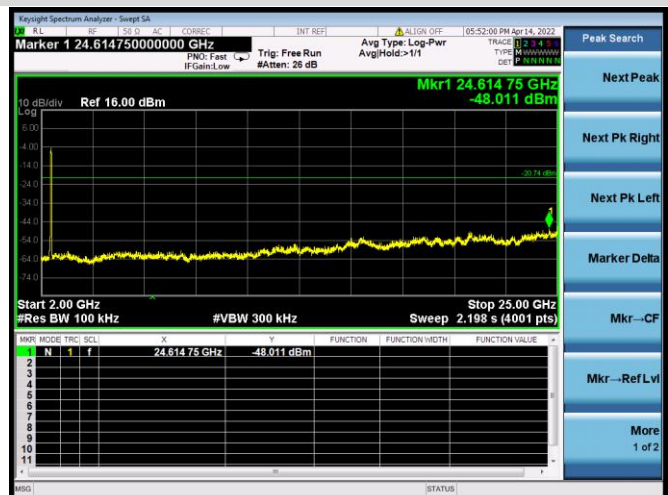
VHT-40 MHz CHANNEL 9 CARRIER LEVEL



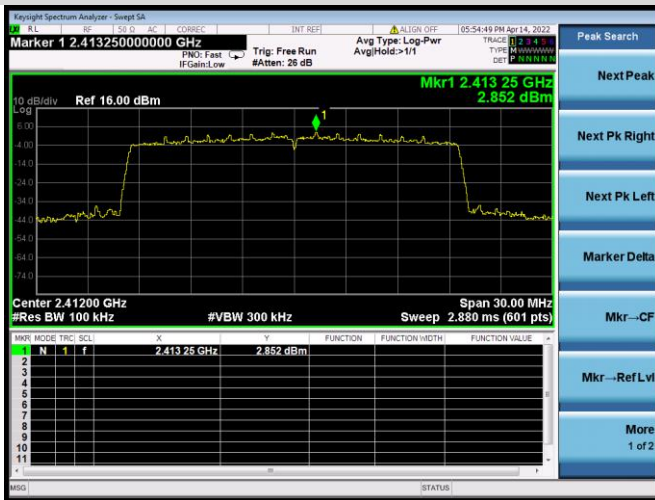
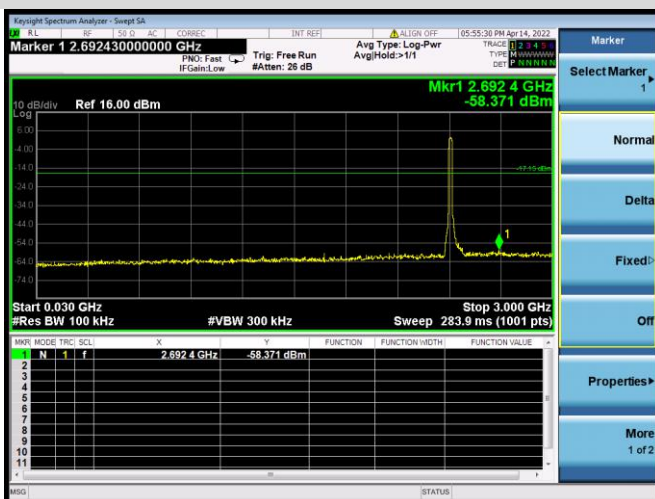
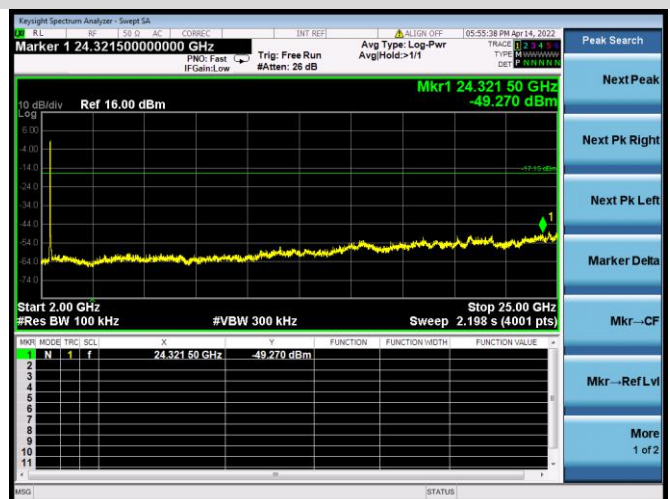
VHT-40 MHz CHANNEL 9, SPURIOUS 30 MHz ~ 3 GHz



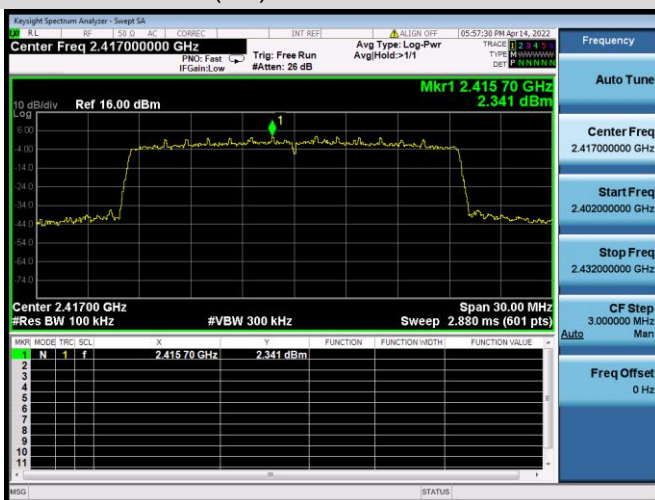
VHT-40 MHz CHANNEL 9, SPURIOUS 2 GHz ~ 25 GHz



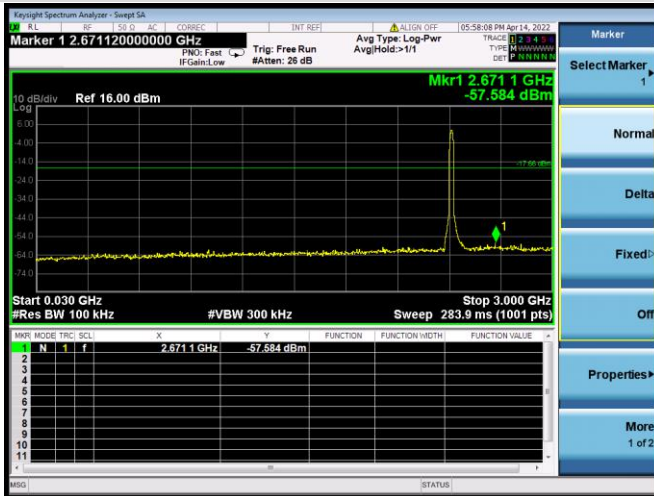
802.11ax-20 MHz(SU) CHANNEL 1 CARRIER LEVEL

802.11ax-20 MHz(SU) CHANNEL 1, SPURIOUS
30 MHz ~ 3 GHz802.11ax-20 MHz(SU) CHANNEL 1, SPURIOUS
2 GHz ~ 25 GHz

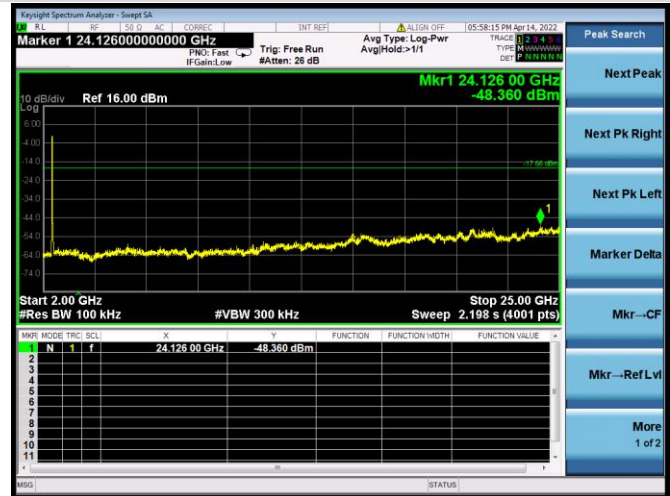
802.11ax-20 MHz(SU) CHANNEL 2 CARRIER LEVEL



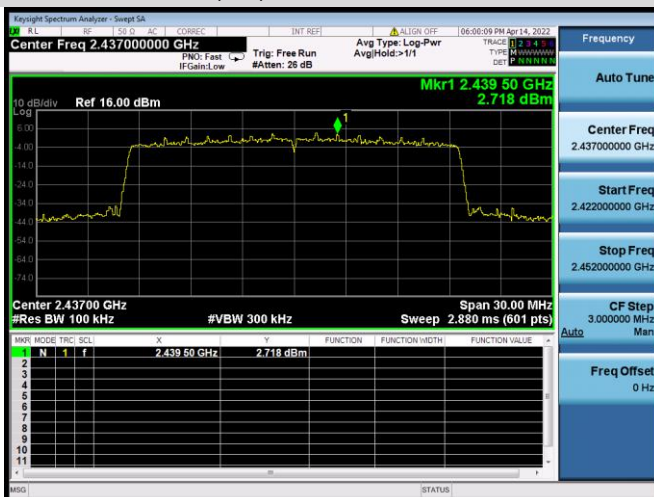
802.11ax-20 MHz(SU) CHANNEL 2, SPURIOUS 30 MHz ~ 3 GHz



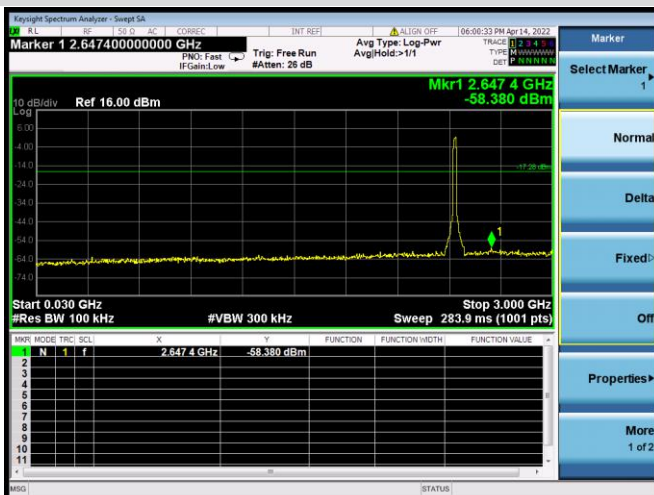
802.11ax-20 MHz(SU) CHANNEL 2, SPURIOUS 2 GHz ~ 25 GHz



802.11ax-20 MHz(SU) CHANNEL 6 CARRIER LEVEL



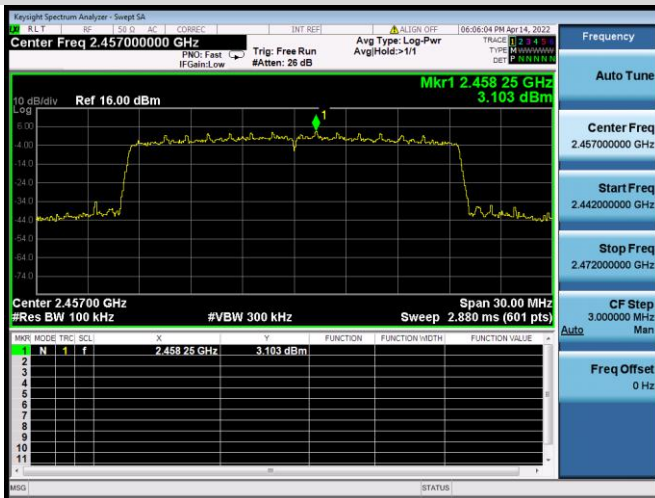
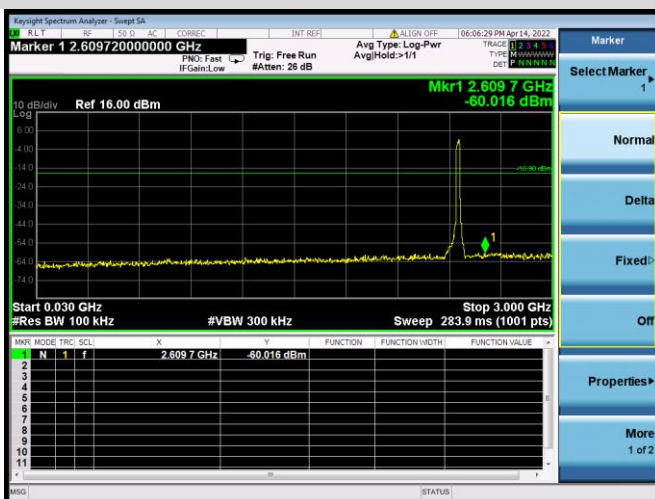
802.11ax-20 MHz(SU) CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



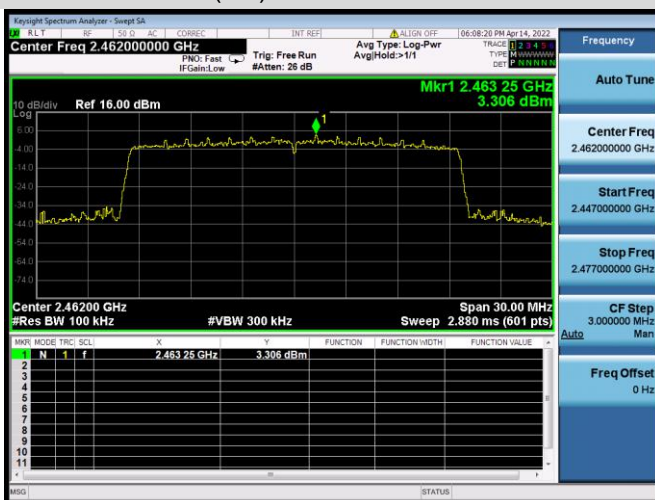
802.11ax-20 MHz(SU) CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



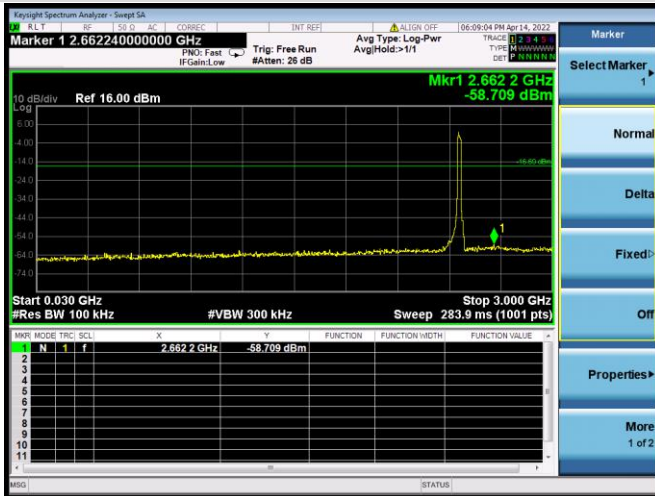
802.11ax-20 MHz(SU) CHANNEL 10 CARRIER LEVEL

802.11ax-20 MHz(SU) CHANNEL 10, SPURIOUS
30 MHz ~ 3 GHz802.11ax-20 MHz(SU) CHANNEL 10, SPURIOUS
2 GHz ~ 25 GHz

802.11ax-20 MHz(SU) CHANNEL 11 CARRIER LEVEL



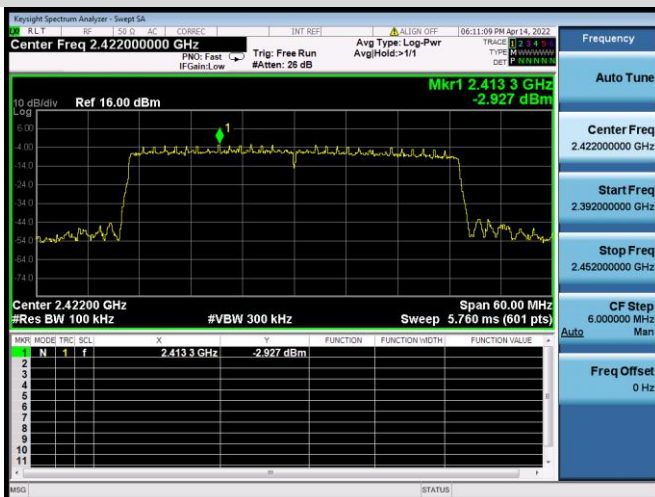
802.11ax-20 MHz(SU) CHANNEL 11, SPURIOUS 30 MHz ~ 3 GHz



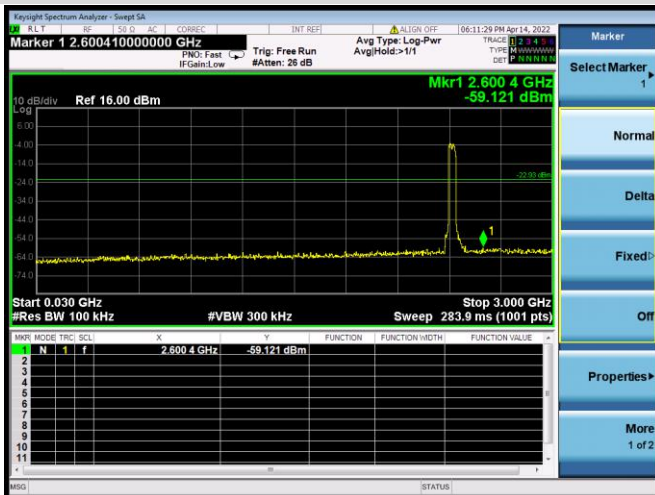
802.11ax-20 MHz(SU) CHANNEL 11, SPURIOUS 2 GHz ~ 25 GHz



802.11ax-40 MHz CHANNEL 3 CARRIER LEVEL



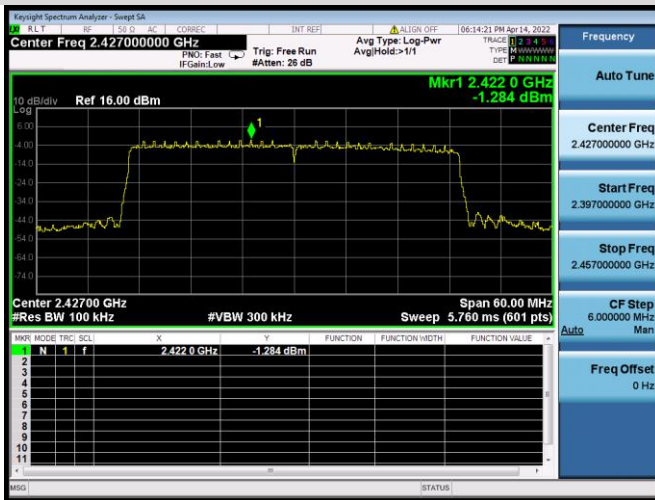
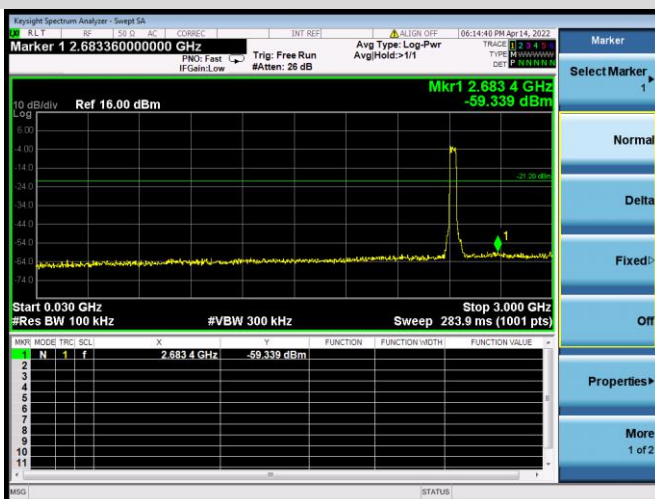
802.11ax-40 MHz CHANNEL 3, SPURIOUS 30 MHz ~ 3 GHz



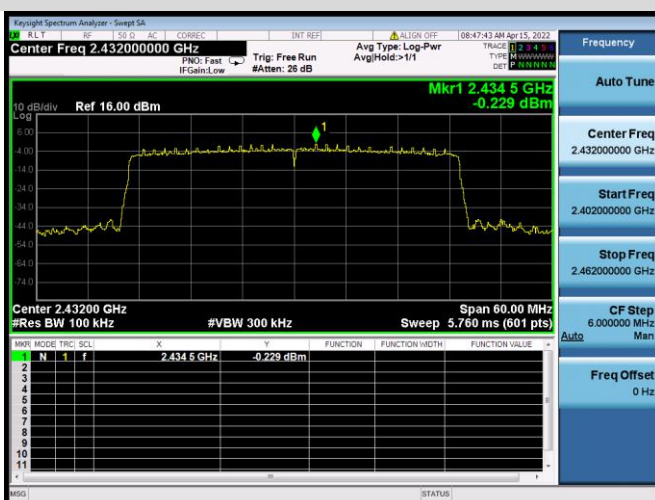
802.11ax-40 MHz CHANNEL 3, SPURIOUS 2 GHz ~ 25 GHz



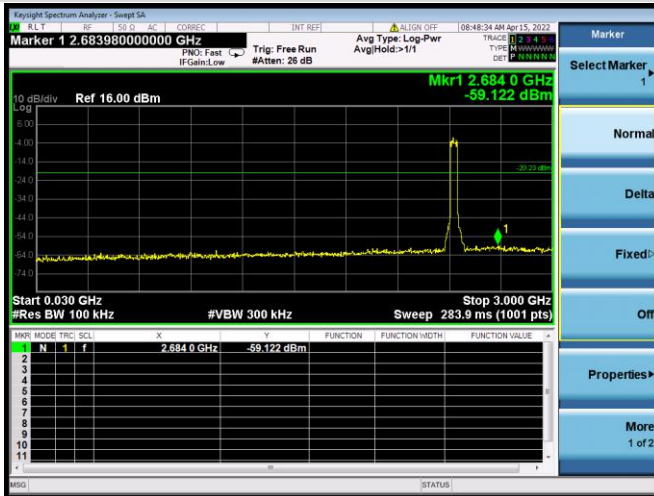
802.11ax-40 MHz CHANNEL 4 CARRIER LEVEL

802.11ax-40 MHz CHANNEL 4, SPURIOUS
30 MHz ~ 3 GHz802.11ax-40 MHz CHANNEL 4, SPURIOUS
2 GHz ~ 25 GHz

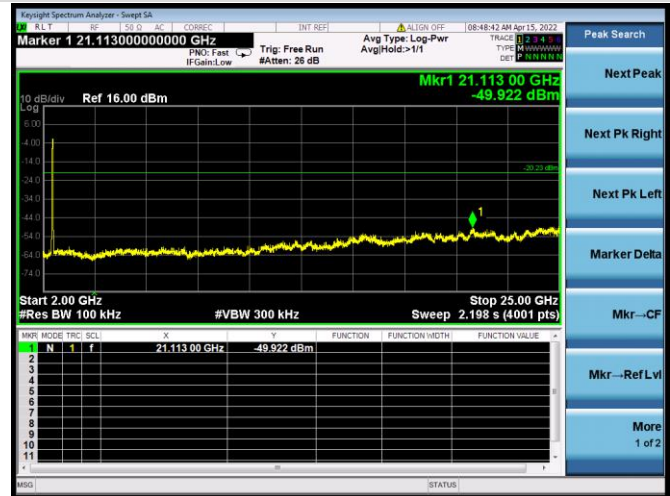
802.11ax-40 MHz CHANNEL 5 CARRIER LEVEL



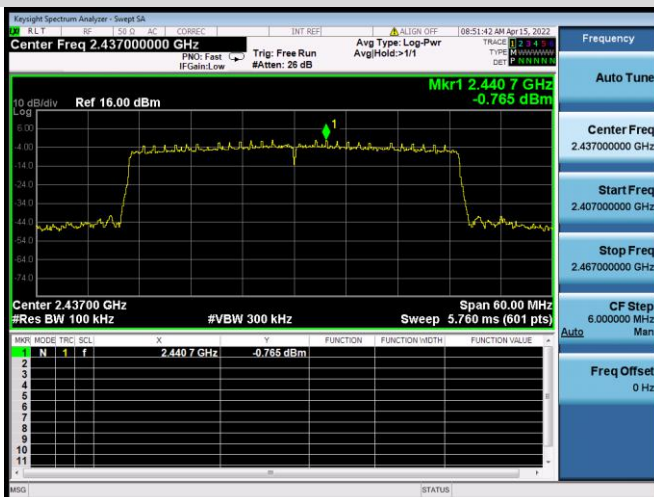
802.11ax-40 MHz CHANNEL 5, SPURIOUS 30 MHz ~ 3 GHz



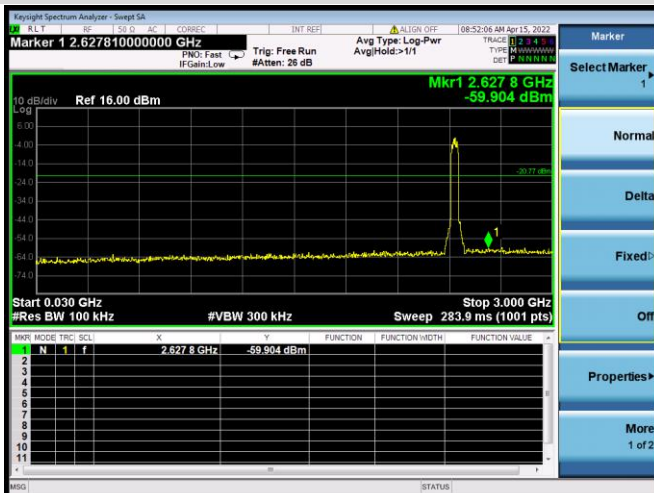
802.11ax-40 MHz CHANNEL 5, SPURIOUS 2 GHz ~ 25 GHz



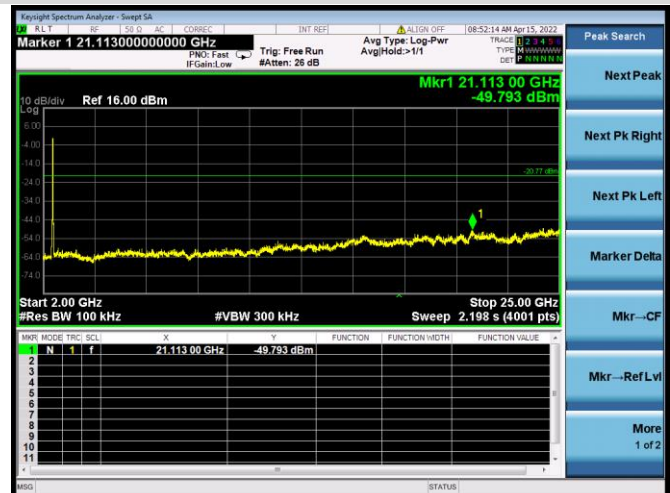
802.11ax-40 MHz CHANNEL 6 CARRIER LEVEL



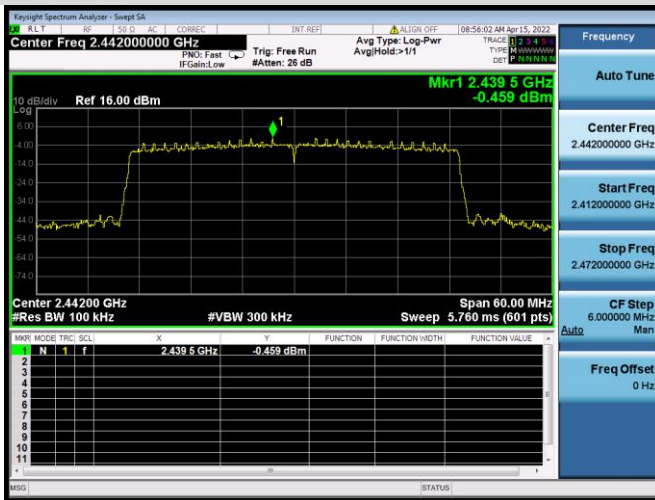
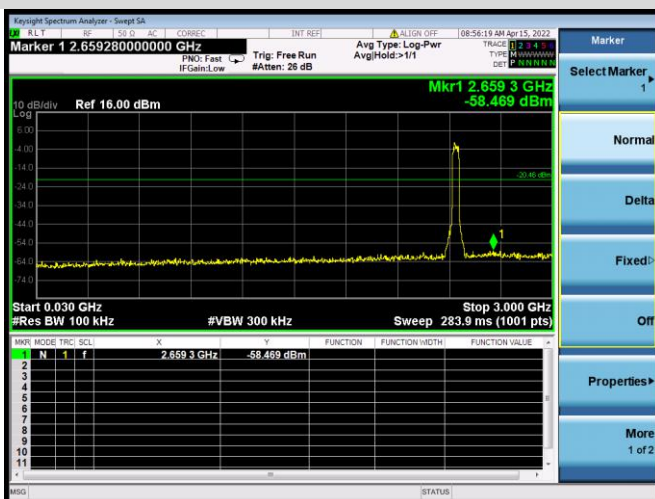
802.11ax-40 MHz CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



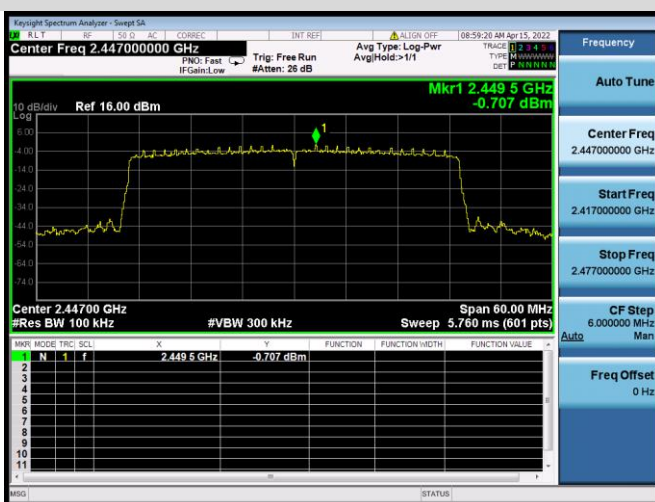
802.11ax-40 MHz CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



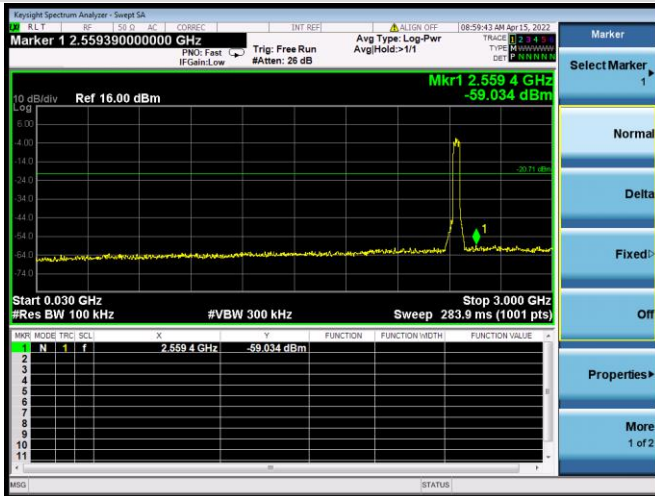
802.11ax-40 MHz CHANNEL 7 CARRIER LEVEL

802.11ax-40 MHz CHANNEL 7, SPURIOUS
30 MHz ~ 3 GHz802.11ax-40 MHz CHANNEL 7, SPURIOUS
2 GHz ~ 25 GHz

802.11ax-40 MHz CHANNEL 8 CARRIER LEVEL



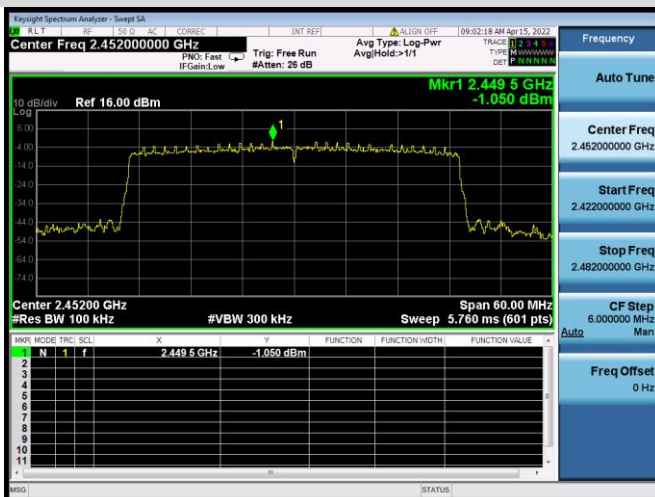
802.11ax-40 MHz CHANNEL 8, SPURIOUS 30 MHz ~ 3 GHz



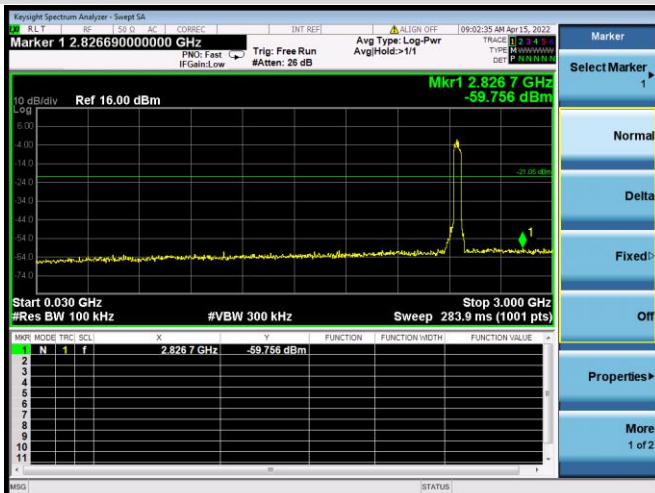
802.11ax-40 MHz CHANNEL 8, SPURIOUS 2 GHz ~ 25 GHz



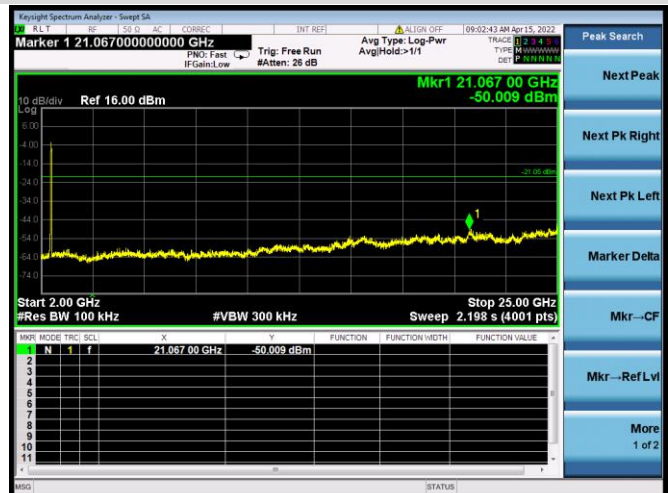
802.11ax-40 MHz CHANNEL 9 CARRIER LEVEL



802.11ax-40 MHz CHANNEL 9, SPURIOUS 30 MHz ~ 3 GHz



802.11ax-40 MHz CHANNEL 9, 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 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	
1	-43.03	6.95	-13.05	Pass
11	-56.43	7.67	-12.33	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-38.57	4.51	-15.49	Pass
11	-47.32	4.79	-15.21	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-38.68	4.75	-15.25	Pass
11	-47.01	4.74	-15.26	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-44.38	-1.14	-21.14	Pass
4	-47.78	0.02	-19.98	Pass
5	-46.52	0.64	-19.36	Pass
7	-51.74	1.29	-18.71	Pass
8	-51.42	0.26	-19.74	Pass
9	-48.31	0.72	-19.28	Pass

VHT-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-39.05	3.94	-16.06	Pass
11	-47.02	5.27	-14.73	Pass

VHT-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-43.63	-1.06	-21.06	Pass
4	-47.61	0.07	-19.93	Pass
5	-46.50	0.81	-19.19	Pass
9	-46.40	1.15	-18.85	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-37.84	4.65	-15.35	Pass
10	-48.73	4.79	-15.21	Pass
11	-48.15	3.76	-16.24	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-46.29	-1.66	-21.66	Pass
4	-46.64	-0.38	-20.38	Pass
5	-45.43	0.70	-19.30	Pass
7	-50.67	0.85	-19.15	Pass
8	-51.25	-0.56	-20.56	Pass
9	-49.08	-0.39	-20.39	Pass

Aux. Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-45.18	7.01	-12.99	Pass
11	-57.16	7.18	-12.82	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-39.40	4.64	-15.36	Pass
11	-49.40	5.20	-14.80	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-39.40	4.58	-15.42	Pass
11	-48.81	5.41	-14.59	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-41.70	0.44	-19.56	Pass
9	-49.47	0.46	-19.54	Pass

VHT-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-39.19	4.70	-15.30	Pass
11	-48.98	5.35	-14.65	Pass

VHT-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-41.70	0.50	-19.50	Pass
9	-49.78	0.49	-19.51	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-38.78	3.89	-16.11	Pass
11	-47.63	5.12	-14.88	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-43.21	0.24	-19.76	Pass
9	-49.12	0.16	-19.84	Pass

MIMO-Main Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-45.11	6.08	-13.92	Pass
2	-51.34	2.83	-17.17	Pass
3	-57.76	3.23	-16.77	Pass
4	-57.22	3.11	-16.89	Pass
5	-57.82	3.16	-16.84	Pass
11	-46.85	6.45	-13.55	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-41.79	3.07	-16.93	Pass
11	-50.21	4.01	-15.99	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-40.89	3.05	-16.95	Pass
11	-49.37	3.32	-16.68	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-44.69	-1.35	-21.35	Pass
4	-48.57	-0.13	-20.13	Pass
5	-48.53	0.01	-19.99	Pass
8	-51.44	0.01	-19.99	Pass
9	-49.84	-0.13	-20.13	Pass

VHT-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-41.52	3.58	-16.42	Pass
11	-48.80	4.31	-15.69	Pass

VHT-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-44.95	-1.64	-21.64	Pass
4	-48.45	0.10	-19.90	Pass
8	-51.64	0.23	-19.77	Pass
9	-49.72	0.14	-19.86	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-42.66	2.83	-17.17	Pass
2	-44.81	3.39	-16.61	Pass
10	-50.78	4.25	-15.75	Pass
11	-48.65	3.80	-16.20	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-47.97	-2.06	-22.06	Pass
4	-48.76	-0.83	-20.83	Pass
5	-47.83	-0.43	-20.43	Pass
7	-52.79	0.03	-19.97	Pass
8	-51.76	-0.28	-20.28	Pass
9	-50.57	-0.94	-20.94	Pass

MIMO-Aux. Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-47.75	5.43	-14.57	Pass
2	-53.38	2.67	-17.33	Pass
3	-57.59	2.99	-17.01	Pass
4	-57.20	2.52	-17.48	Pass
5	-57.76	2.93	-17.07	Pass
11	-57.41	6.22	-13.78	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-41.84	2.96	-17.04	Pass
11	-52.33	3.38	-16.62	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-41.81	2.33	-17.67	Pass
11	-50.93	3.46	-16.54	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-45.29	-2.23	-22.23	Pass
4	-50.07	-1.29	-21.29	Pass
5	-49.78	-0.44	-20.44	Pass
8	-53.48	-0.34	-20.34	Pass
9	-52.65	-0.94	-20.94	Pass

VHT-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-41.84	3.36	-16.64	Pass
11	-50.23	2.59	-17.41	Pass

VHT-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-45.11	-2.07	-22.07	Pass
4	-48.78	-0.60	-20.60	Pass
8	-54.05	-0.46	-20.46	Pass
9	-52.59	-0.74	-20.74	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-42.68	2.85	-17.15	Pass
2	-45.74	2.34	-17.66	Pass
10	-53.45	3.10	-16.90	Pass
11	-50.69	3.31	-16.69	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-48.58	-2.93	-22.93	Pass
4	-49.73	-1.28	-21.28	Pass
5	-49.75	-0.23	-20.23	Pass
7	-54.52	-0.46	-20.46	Pass
8	-53.85	-0.71	-20.71	Pass
9	-52.86	-1.05	-21.05	Pass

Test Plots

Main Antenna

802.11b CHANNEL 1, CARRIER LEVEL



802.11b CHANNEL 1, REFERENCE LEVEL



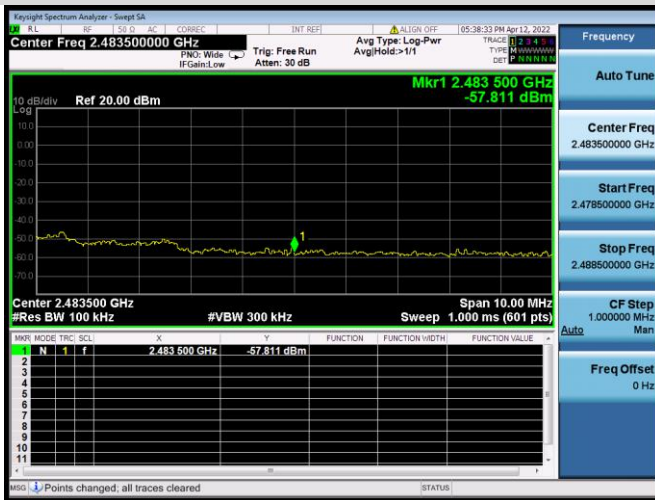
802.11b CHANNEL 1, BAND EDGE



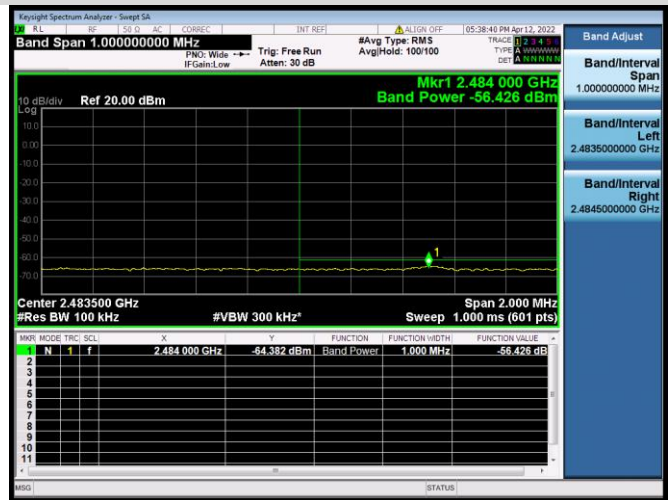
802.11b CHANNEL 11, CARRIER LEVEL



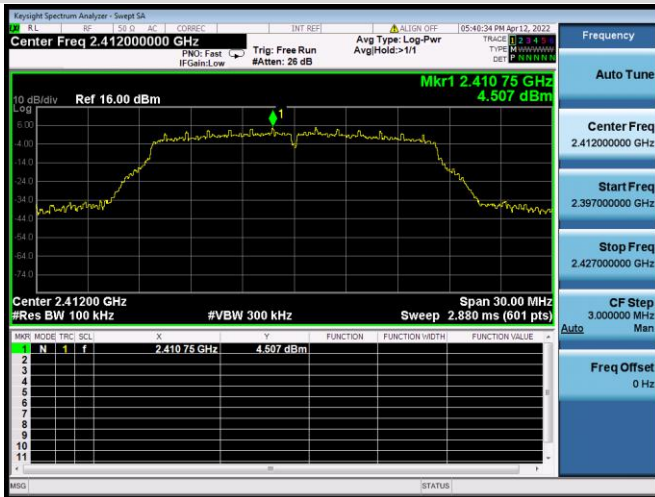
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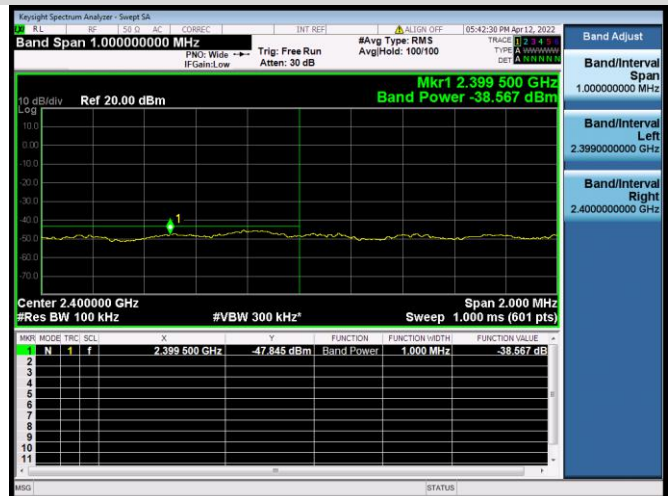
802.11b CHANNEL 11, BAND EDGE



802.11g CHANNEL 1, CARRIER LEVEL



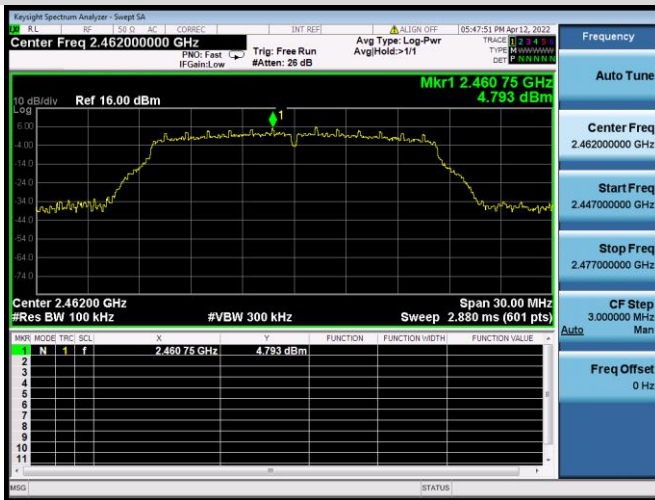
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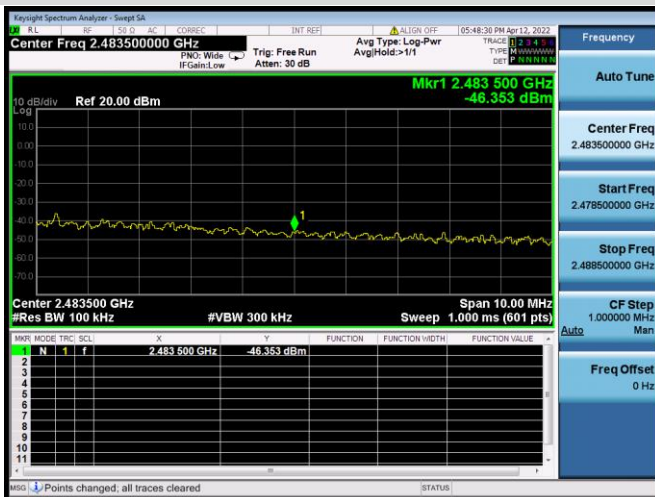
802.11g CHANNEL 1, REFERENCE LEVEL



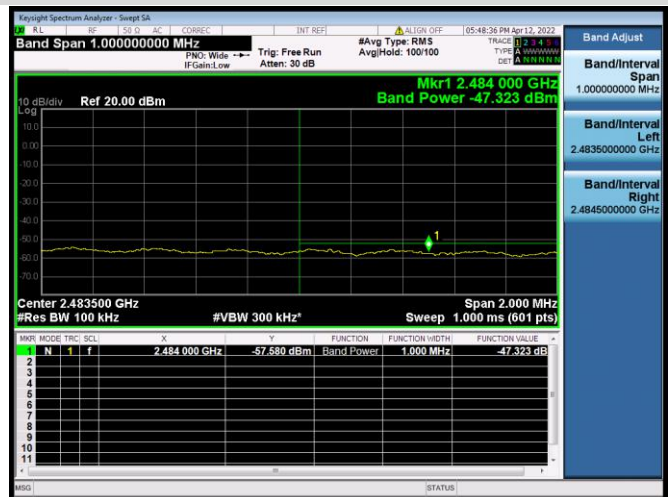
802.11g CHANNEL 11, CARRIER LEVEL



802.11g CHANNEL 11, REFERENCE LEVEL



802.11g CHANNEL 11, BAND EDGE



802.11n-20 MHz CHANNEL 1, CARRIER LEVEL

