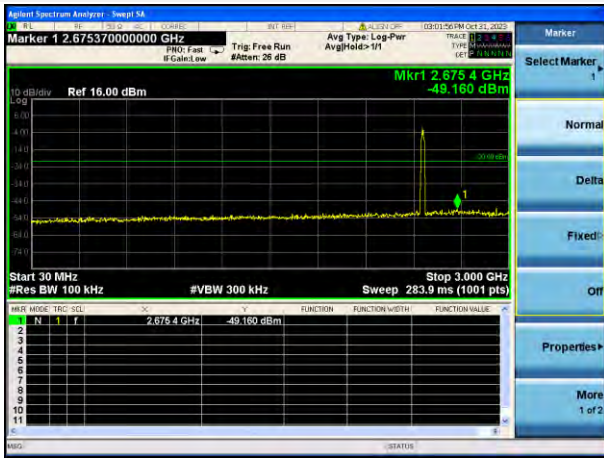
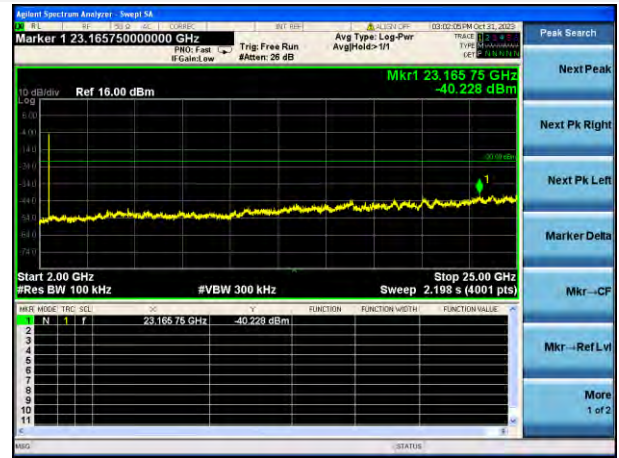


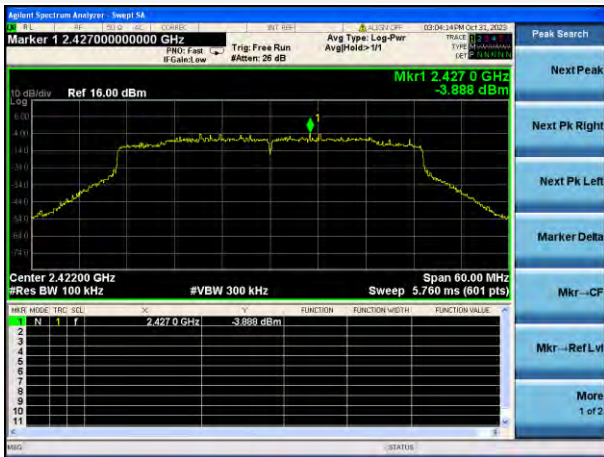
802.11ax-20 MHz(SU) 11 CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



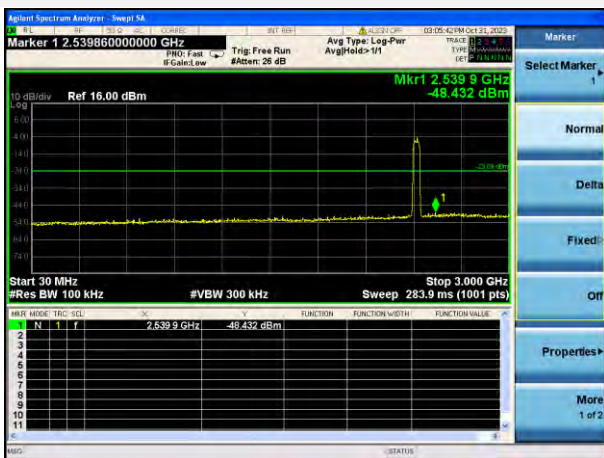
802.11ax-20 MHz(SU) 11 CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



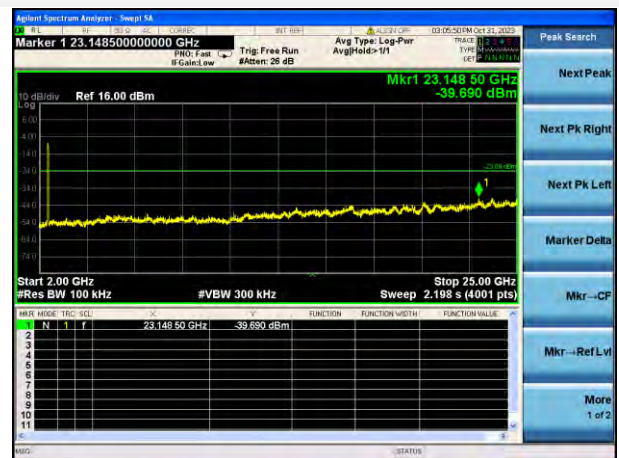
802.11ax-40 MHz(SU) 3 CHANNEL CARRIER LEVEL



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



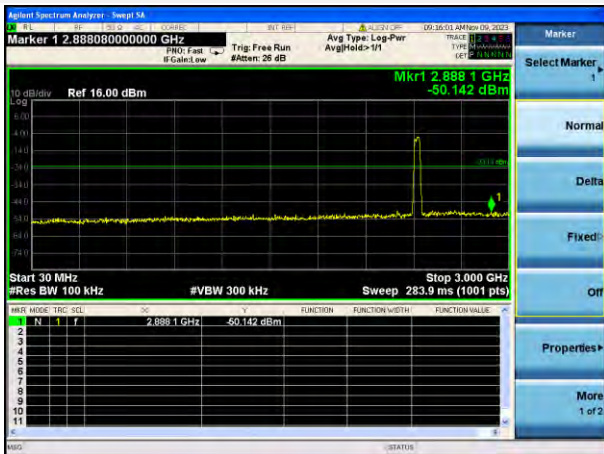
802.11ax-40 MHz(SU) 3 CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



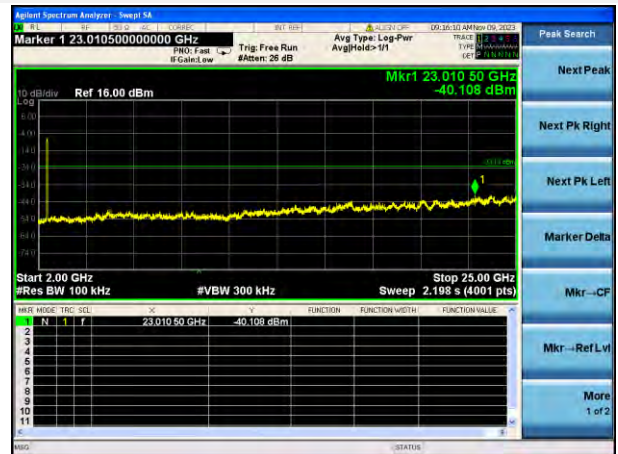
802.11ax-40 MHz(SU) 4 CHANNEL CARRIER LEVEL



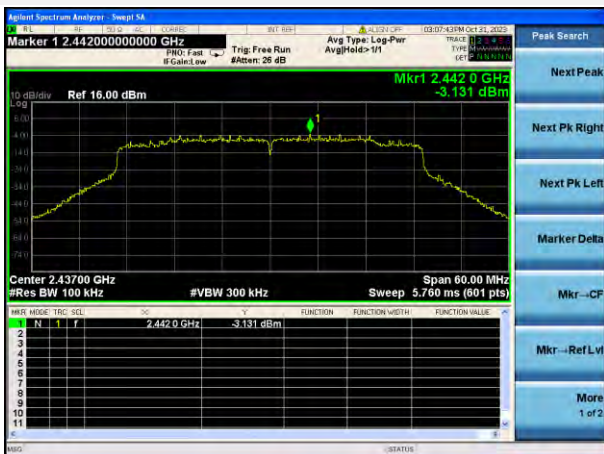
802.11ax-40 MHz(SU) 4 CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



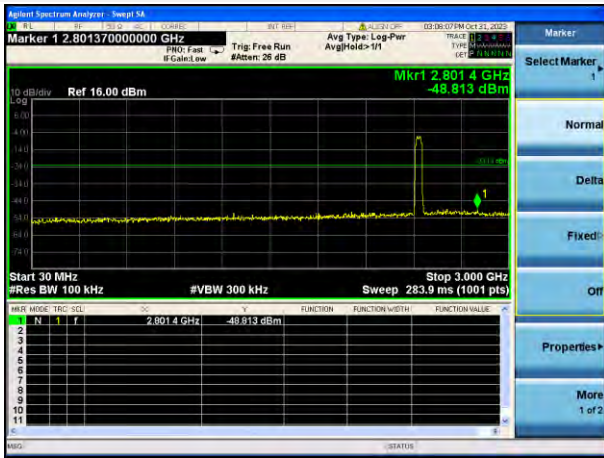
802.11ax-40 MHz(SU) 4 CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



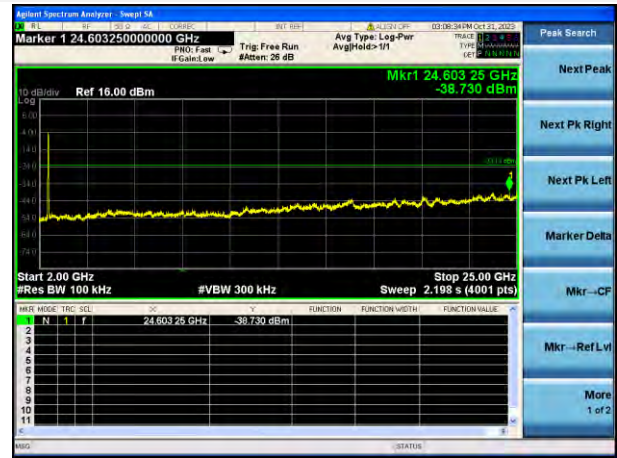
802.11ax-40 MHz(SU) 6 CHANNEL CARRIER LEVEL



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



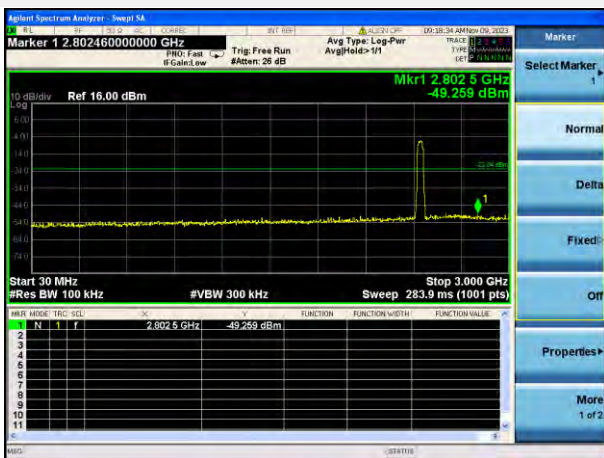
802.11ax-40 MHz(SU) 6 CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



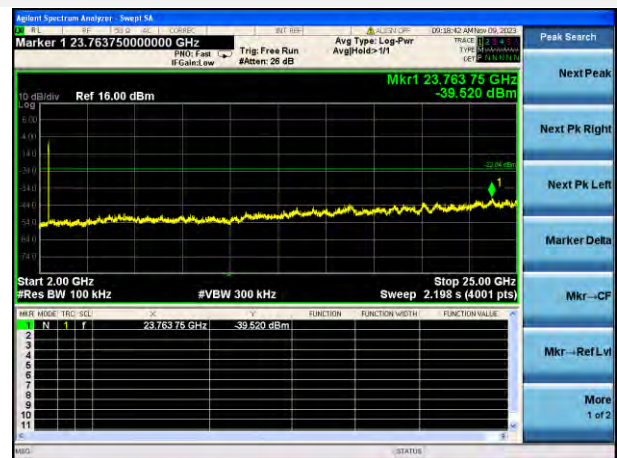
802.11ax-40 MHz(SU) 8 CHANNEL CARRIER LEVEL



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



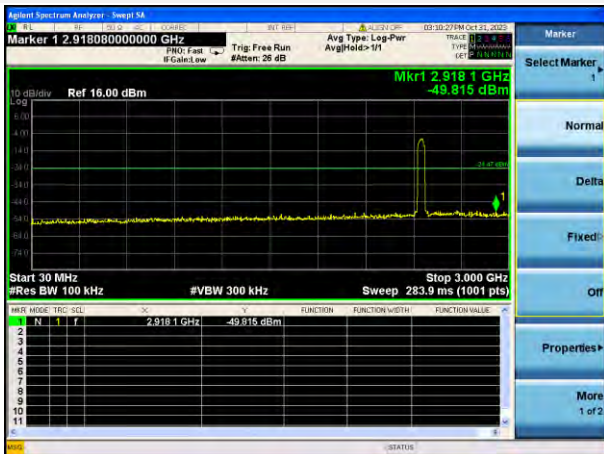
802.11ax-40 MHz(SU) 8 CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



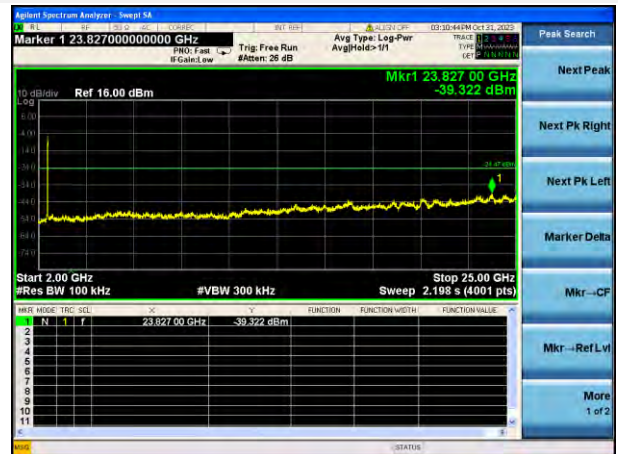
802.11ax-40 MHz(SU) 9 CHANNEL CARRIER LEVEL



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



802.11ax-40 MHz(SU) 9 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 the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

SISO-Main Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-44.65	8.14	-11.86	Pass
CH11	-48.44	8.04	-11.96	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-24.55	4.44	-15.56	Pass
CH2	-41.18	7.26	-12.74	Pass
CH10	-47.07	7.36	-12.64	Pass
CH11	-47.59	5.05	-14.95	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-24.18	4.95	-15.05	Pass
CH2	-40.78	6.96	-13.04	Pass
CH10	-47.17	7.25	-12.75	Pass
CH11	-47.03	4.96	-15.04	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH3	-28.89	-1.45	-21.45	Pass
CH4	-37.60	1.73	-18.27	Pass
CH8	-44.75	1.72	-18.28	Pass
CH9	-41.25	-1.49	-21.49	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-24.40	3.90	-16.10	Pass
CH2	-40.07	6.71	-13.29	Pass
CH10	-47.17	6.55	-13.45	Pass
CH11	-47.38	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	
CH3	-30.99	-1.66	-21.66	Pass
CH4	-38.03	2.47	-17.53	Pass
CH8	-43.78	2.55	-17.45	Pass
CH9	-46.17	-2.35	-22.35	Pass

SISO-Aux. Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-45.57	7.60	-12.40	Pass
CH11	-46.07	7.79	-12.21	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-24.80	4.93	-15.07	Pass
CH2	-42.53	6.77	-13.23	Pass
CH10	-46.47	6.99	-13.01	Pass
CH11	-47.66	4.97	-15.03	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-22.87	4.42	-15.58	Pass
CH2	-42.66	6.80	-13.20	Pass
CH10	-47.58	6.69	-13.31	Pass
CH11	-47.85	4.77	-15.23	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH3	-30.30	-2.07	-22.07	Pass
CH4	-37.79	2.00	-18.00	Pass
CH8	-45.27	1.47	-18.53	Pass
CH9	-43.65	-2.11	-22.11	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-24.53	4.11	-15.89	Pass
CH2	-41.86	5.84	-14.16	Pass
CH10	-46.80	6.72	-13.28	Pass
CH11	-47.80	4.53	-15.47	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH3	-31.90	-2.72	-22.72	Pass
CH4	-38.52	2.20	-17.80	Pass
CH8	-46.32	2.13	-17.87	Pass
CH9	-46.13	-2.31	-22.31	Pass

MIMO-Main Antenna

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-29.41	0.44	-19.56	Pass
CH2	-44.52	3.17	-16.83	Pass
CH10	-47.44	3.18	-16.82	Pass
CH11	-48.07	0.42	-19.58	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-27.07	1.64	-18.36	Pass
CH2	-44.86	3.11	-16.89	Pass
CH10	-47.07	2.59	-17.41	Pass
CH11	-48.46	1.87	-18.13	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH3	-33.62	-4.63	-24.63	Pass
CH4	-43.41	-2.37	-22.37	Pass
CH8	-47.82	-2.94	-22.94	Pass
CH9	-48.63	-3.82	-23.82	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-28.04	-0.03	-20.03	Pass
CH2	-44.36	1.40	-18.60	Pass
CH10	-47.92	2.37	-17.63	Pass
CH11	-47.56	-0.70	-20.70	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH3	-32.38	-3.60	-23.60	Pass
CH4	-42.98	-2.78	-22.78	Pass
CH8	-47.44	-3.09	-23.09	Pass
CH9	-47.52	-4.04	-24.04	Pass

MIMO-Aux. Antenna

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-29.15	0.24	-19.76	Pass
CH2	-44.79	2.87	-17.13	Pass
CH10	-47.49	3.18	-16.82	Pass
CH11	-48.95	0.12	-19.88	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-28.07	1.49	-18.51	Pass
CH2	-44.27	2.16	-17.84	Pass
CH10	-47.07	2.86	-17.14	Pass
CH11	-48.13	1.26	-18.74	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH3	-32.83	-4.45	-24.45	Pass
CH4	-44.52	-3.74	-23.74	Pass
CH8	-48.13	-3.12	-23.12	Pass
CH9	-48.28	-3.40	-23.40	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-28.31	-0.56	-20.56	Pass
CH2	-45.91	2.45	-17.55	Pass
CH10	-47.79	1.73	-18.27	Pass
CH11	-47.83	-0.69	-20.69	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH3	-33.31	-3.89	-23.89	Pass
CH4	-45.14	-3.13	-23.13	Pass
CH8	-48.33	-2.84	-22.84	Pass
CH9	-47.91	-4.47	-24.47	Pass

Test Plots

SISO-Main Antenna

802.11b 1 CHANNEL, CARRIER LEVEL



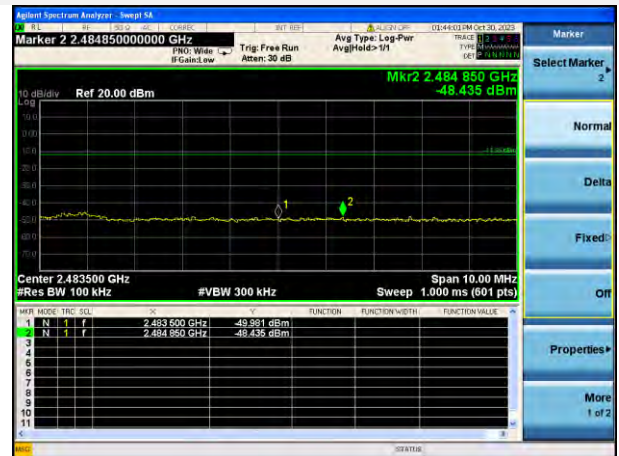
802.11b 1 CHANNEL, BAND EDGE



802.11b 11 CHANNEL, CARRIER LEVEL



802.11b 11 CHANNEL, BAND EDGE



802.11g 1 CHANNEL, CARRIER LEVEL



802.11g 1 CHANNEL, BAND EDGE



802.11g 2 CHANNEL, CARRIER LEVEL



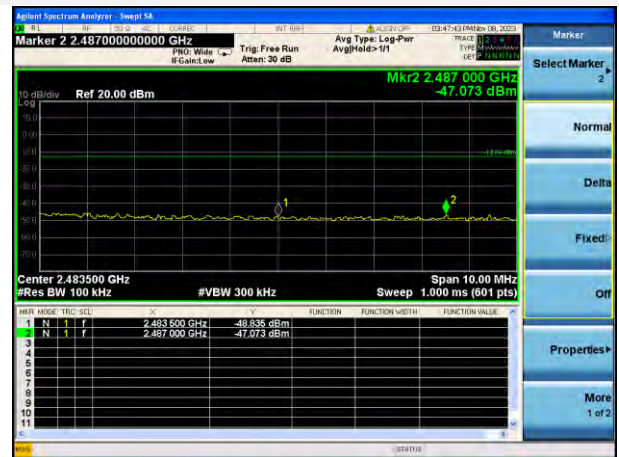
802.11g 2 CHANNEL, BAND EDGE



802.11g 10 CHANNEL, CARRIER LEVEL



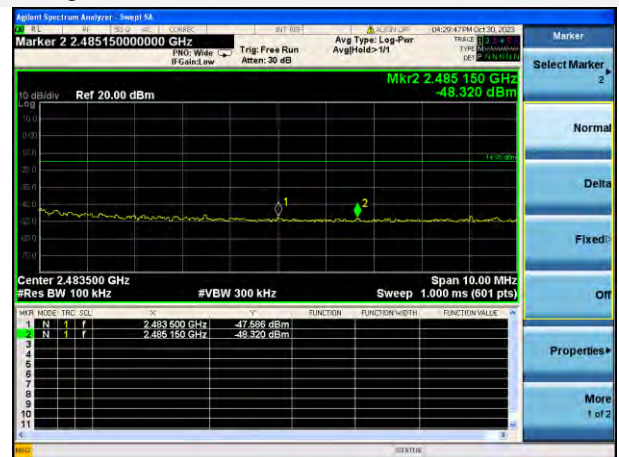
802.11g 10 CHANNEL, BAND EDGE



802.11g 11 CHANNEL, CARRIER LEVEL



802.11g 11 CHANNEL, BAND EDGE



802.11n-20 MHz 1 CHANNEL, CARRIER LEVEL



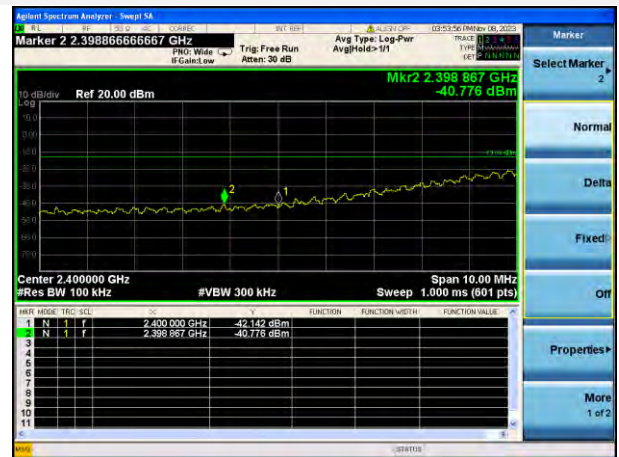
802.11n-20 MHz 1 CHANNEL, BAND EDGE



802.11n-20 MHz 2 CHANNEL, CARRIER LEVEL



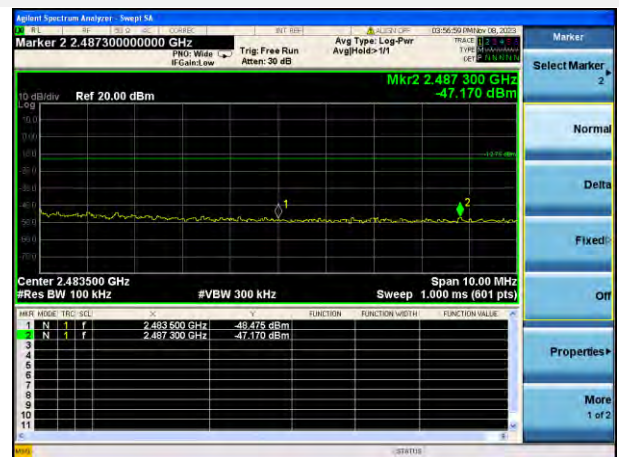
802.11n-20 MHz 2 CHANNEL, BAND EDGE



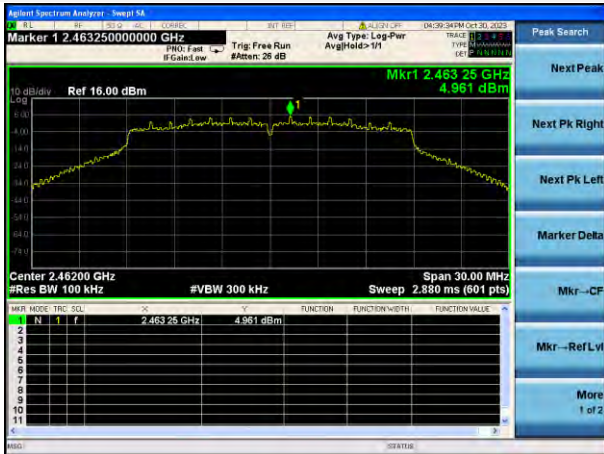
802.11n-20 MHz 10 CHANNEL, CARRIER LEVEL



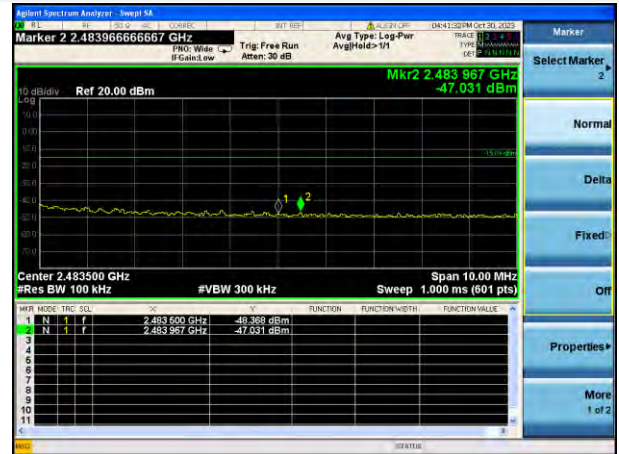
802.11n-20 MHz 10 CHANNEL, BAND EDGE



802.11n-20 MHz 11 CHANNEL, CARRIER LEVEL



802.11n-20 MHz 11 CHANNEL, BAND EDGE



802.11n-40 MHz 3 CHANNEL, CARRIER LEVEL



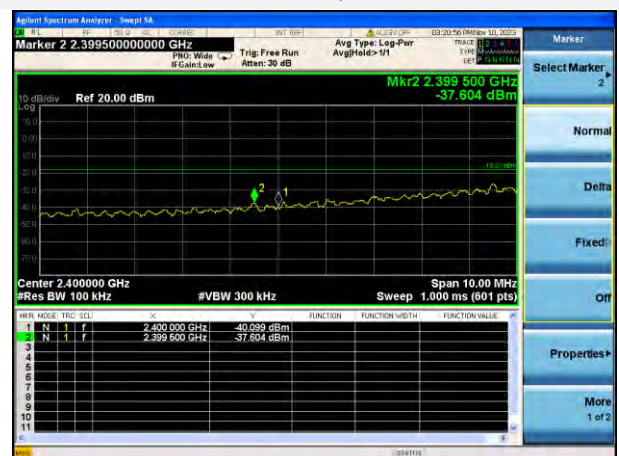
802.11n-40 MHz 3 CHANNEL, BAND EDGE



802.11n-40 MHz 4 CHANNEL, CARRIER LEVEL



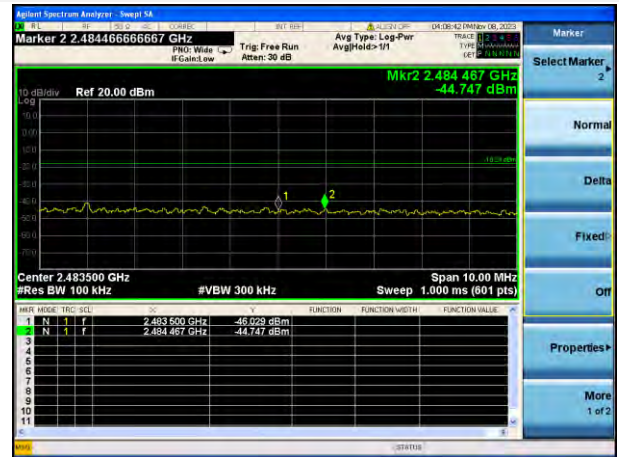
802.11n-40 MHz 4 CHANNEL, BAND EDGE



802.11n-40 MHz 8 CHANNEL, CARRIER LEVEL



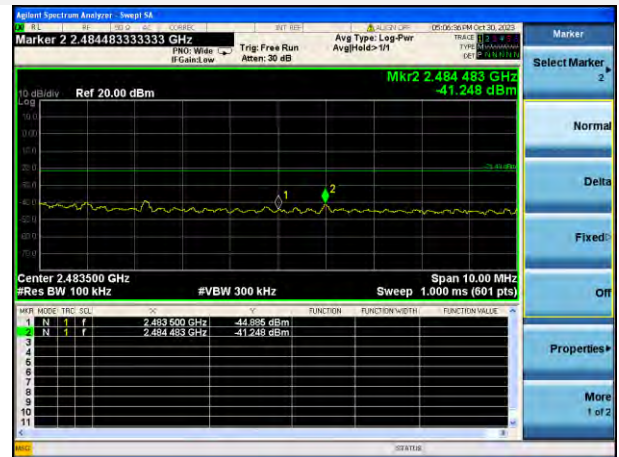
802.11n-40 MHz 8 CHANNEL, BAND EDGE



802.11n-40 MHz 9 CHANNEL, CARRIER LEVEL



802.11n-40 MHz 9 CHANNEL, BAND EDGE



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



802.11ax-20 MHz(SU) 1 CHANNEL, BAND EDGE



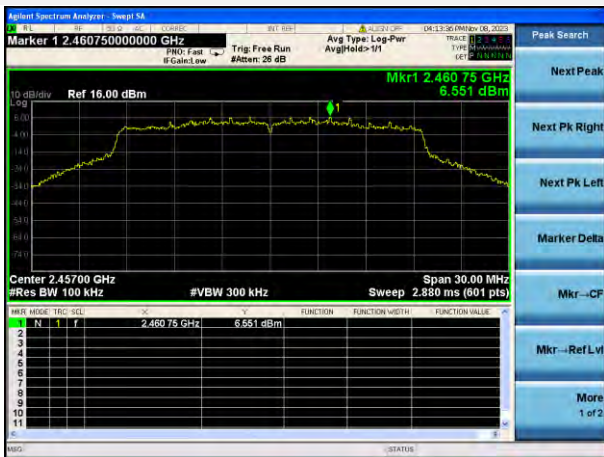
802.11ax-20 MHz(SU) 2 CHANNEL, CARRIER LEVEL



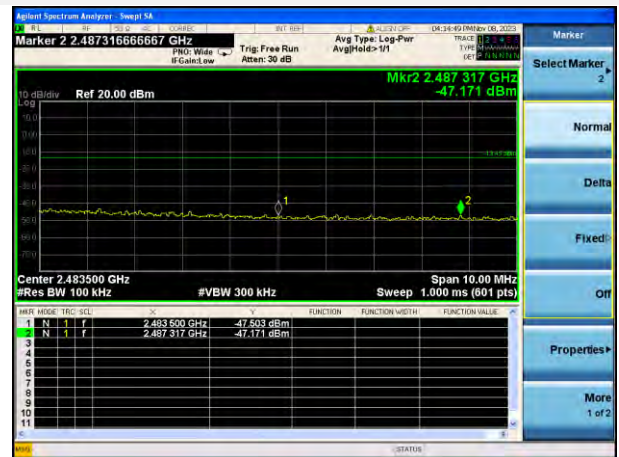
802.11ax-20 MHz(SU) 2 CHANNEL, BAND EDGE



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



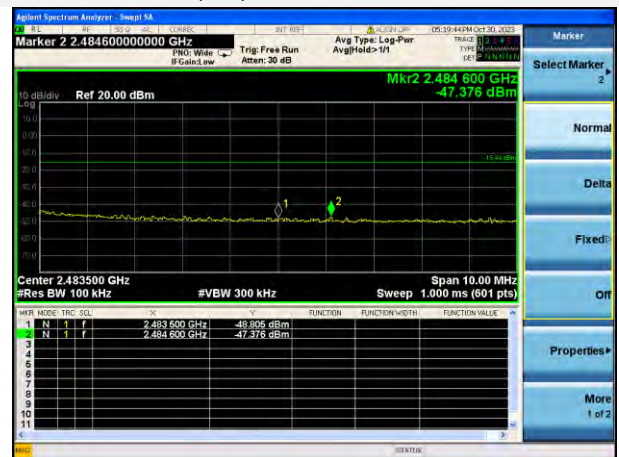
802.11ax-20 MHz(SU) 10 CHANNEL, BAND EDGE



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



802.11ax-20 MHz(SU) 11 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 3 CHANNEL, CARRIER LEVEL



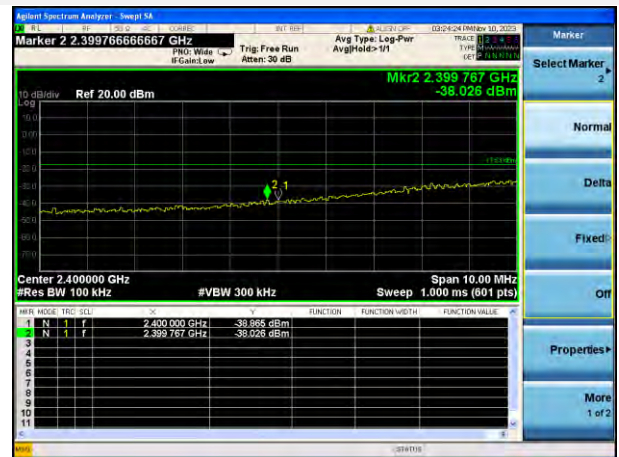
802.11ax-40 MHz(SU) 3 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 4 CHANNEL, CARRIER LEVEL



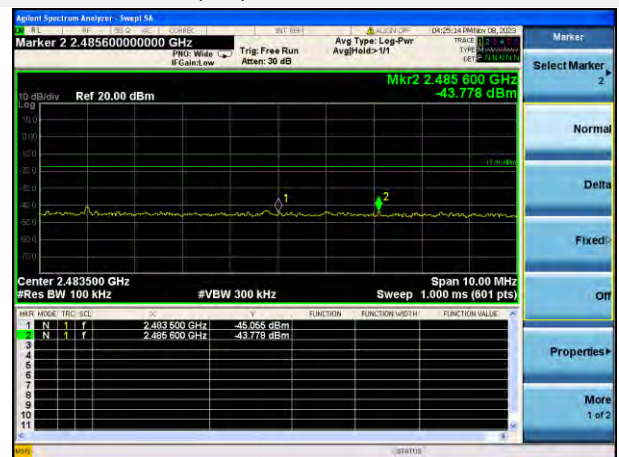
802.11ax-40 MHz(SU) 4 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 8 CHANNEL, CARRIER LEVEL

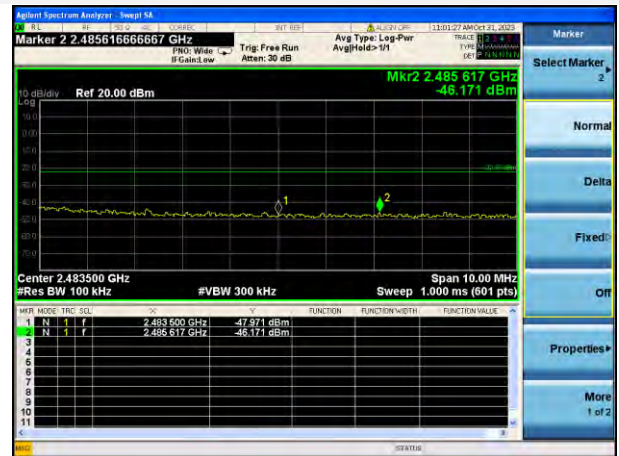


802.11ax-40 MHz(SU) 8 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 9 CHANNEL, CARRIER LEVEL

802.11ax-40 MHz(SU) 9 CHANNEL, BAND EDGE



SISO-Aux. Antenna

802.11b 1 CHANNEL, CARRIER LEVEL



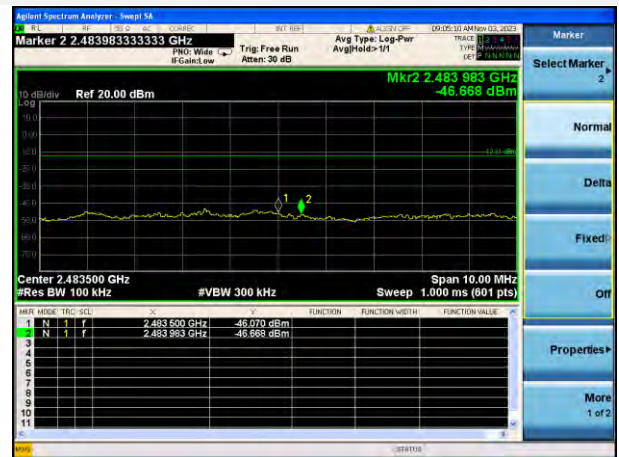
802.11b 1 CHANNEL, BAND EDGE



802.11b 11 CHANNEL, CARRIER LEVEL



802.11b 11 CHANNEL, BAND EDGE



802.11g 1 CHANNEL, CARRIER LEVEL



802.11g 1 CHANNEL, BAND EDGE



802.11g 2 CHANNEL, CARRIER LEVEL



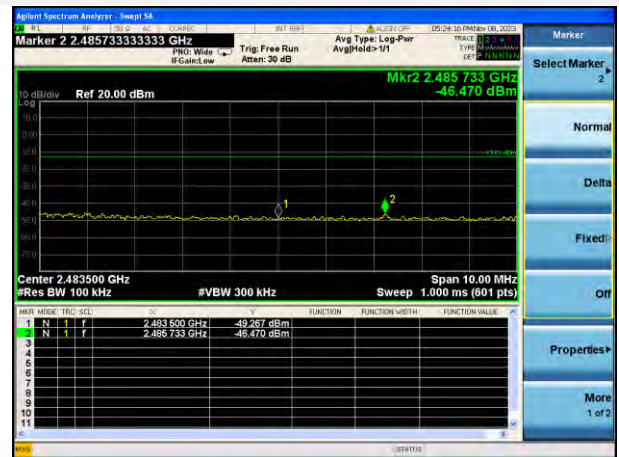
802.11g 2 CHANNEL, BAND EDGE



802.11g 10 CHANNEL, CARRIER LEVEL



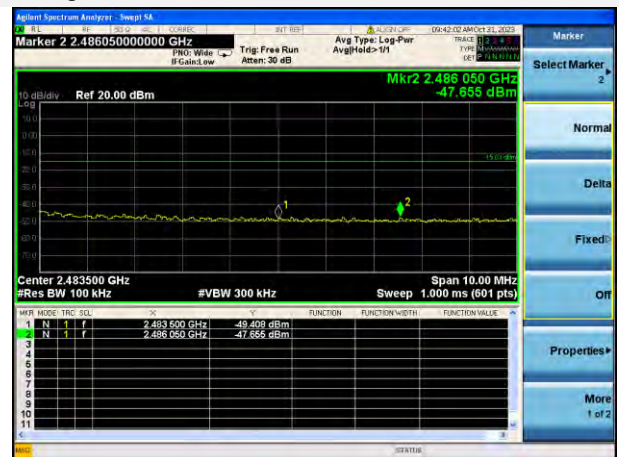
802.11g 10 CHANNEL, BAND EDGE



802.11g 11 CHANNEL, CARRIER LEVEL



802.11g 11 CHANNEL, BAND EDGE



802.11n-20 MHz 1 CHANNEL, CARRIER LEVEL



802.11n-20 MHz 1 CHANNEL, BAND EDGE



802.11n-20 MHz 2 CHANNEL, CARRIER LEVEL



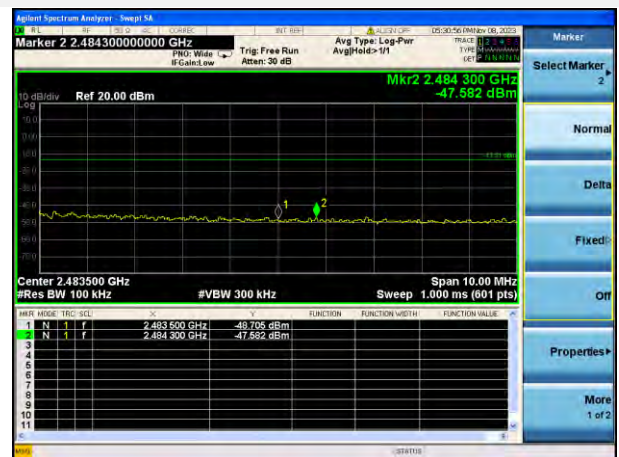
802.11n-20 MHz 2 CHANNEL, BAND EDGE



802.11n-20 MHz 10 CHANNEL, CARRIER LEVEL



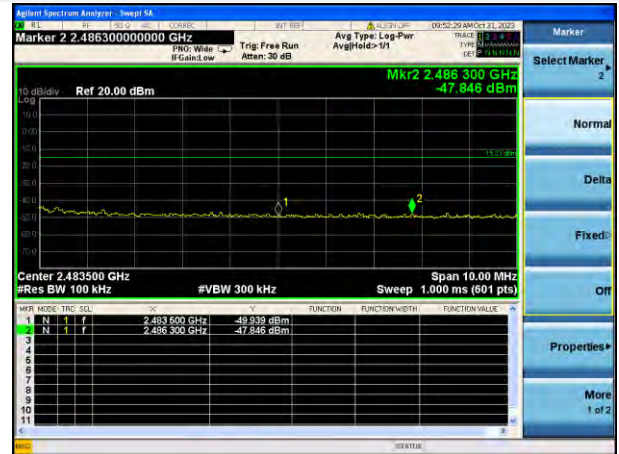
802.11n-20 MHz 10 CHANNEL, BAND EDGE



802.11n-20 MHz 11 CHANNEL, CARRIER LEVEL



802.11n-20 MHz 11 CHANNEL, BAND EDGE



802.11n-40 MHz 3 CHANNEL, CARRIER LEVEL



802.11n-40 MHz 3 CHANNEL, BAND EDGE



802.11n-40 MHz 4 CHANNEL, CARRIER LEVEL



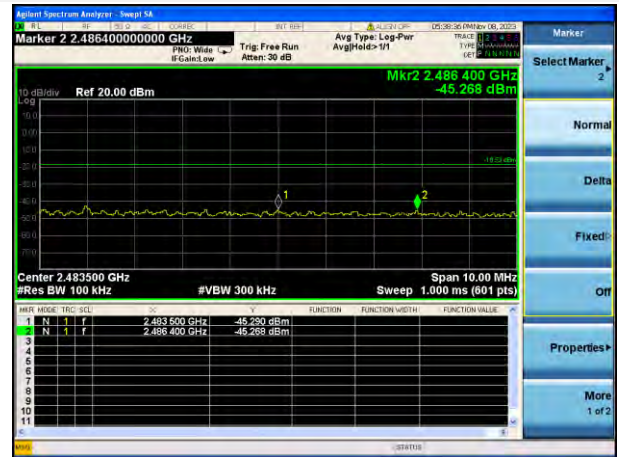
802.11n-40 MHz 4 CHANNEL, BAND EDGE



802.11n-40 MHz 8 CHANNEL, CARRIER LEVEL



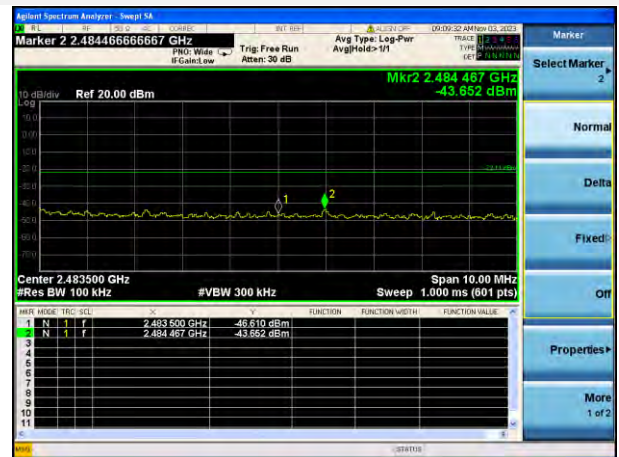
802.11n-40 MHz 8 CHANNEL, BAND EDGE



802.11n-40 MHz 9 CHANNEL, CARRIER LEVEL



802.11n-40 MHz 9 CHANNEL, BAND EDGE



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



802.11ax-20 MHz(SU) 1 CHANNEL, BAND EDGE



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



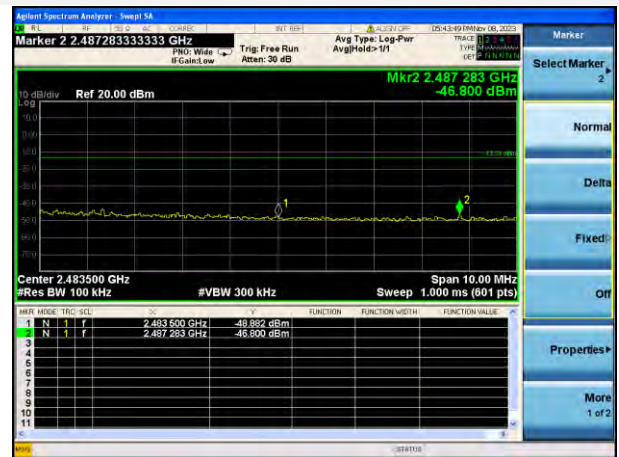
802.11ax-20 MHz(SU) 2 CHANNEL, BAND EDGE



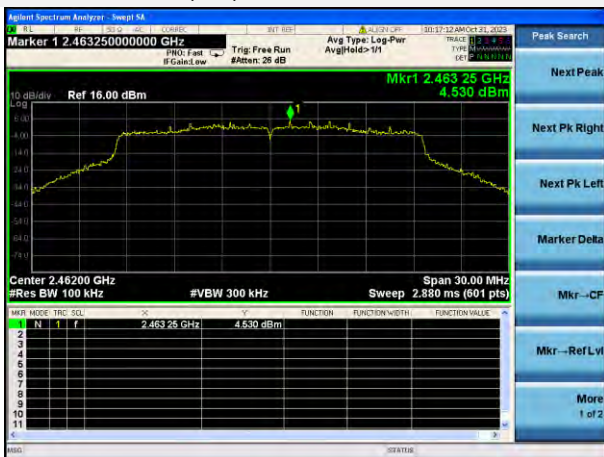
802.11ax-20 MHz(SU) 10 CHANNEL, CARRIER LEVEL



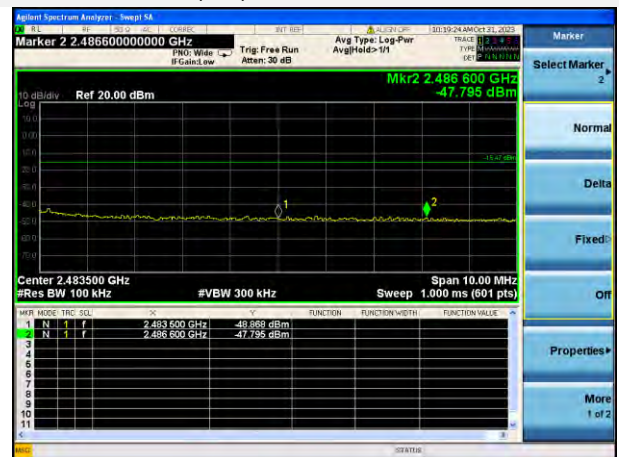
802.11ax-20 MHz(SU) 10 CHANNEL, BAND EDGE



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



802.11ax-20 MHz(SU) 11 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 3 CHANNEL, CARRIER LEVEL



802.11ax-40 MHz(SU) 3 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 4 CHANNEL, CARRIER LEVEL



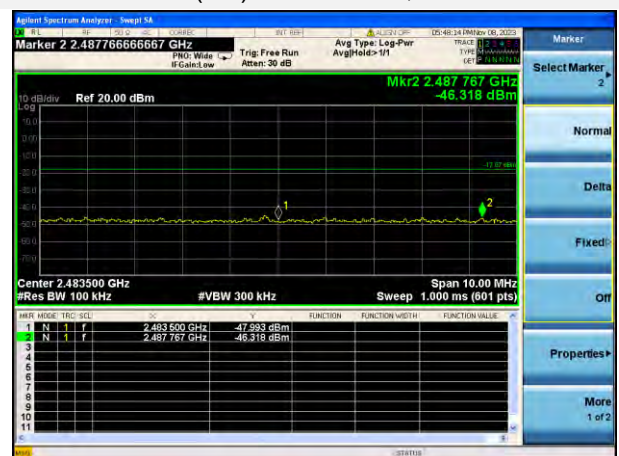
802.11ax-40 MHz(SU) 4 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 8 CHANNEL, CARRIER LEVEL

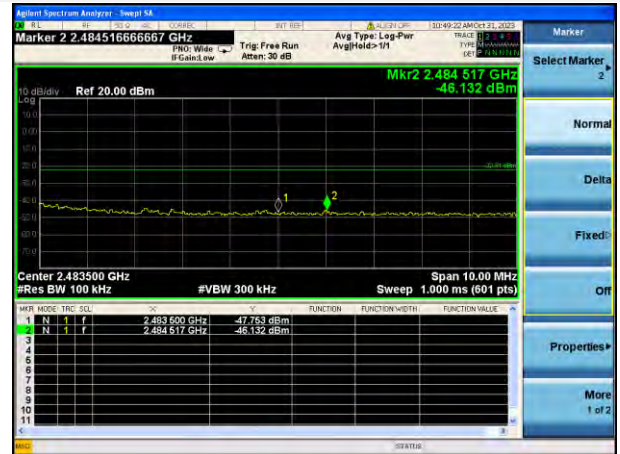
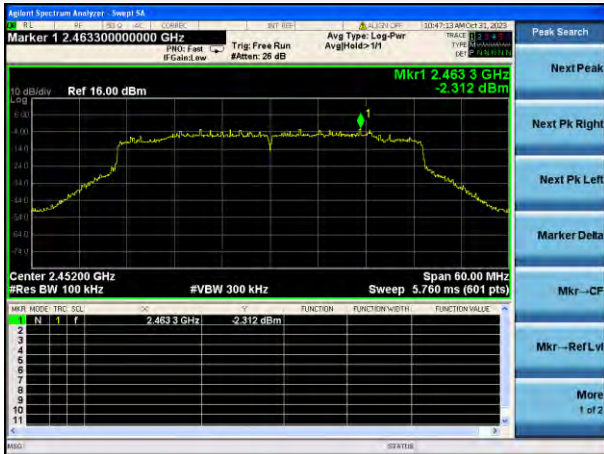


802.11ax-40 MHz(SU) 8 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 9 CHANNEL, CARRIER LEVEL

802.11ax-40 MHz(SU) 9 CHANNEL, BAND EDGE



MIMO-Main Antenna

802.11g 1 CHANNEL, CARRIER LEVEL



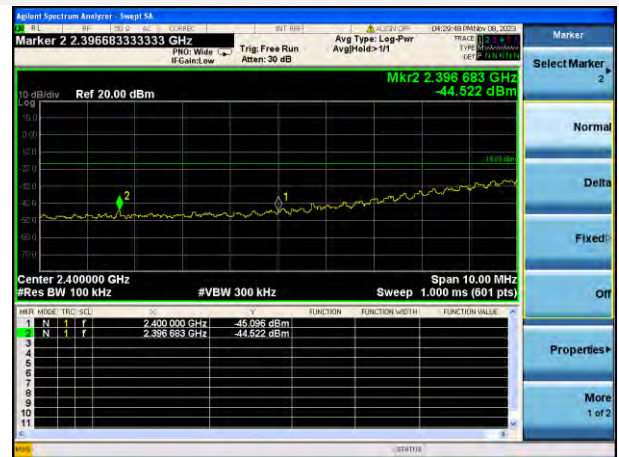
802.11g 1 CHANNEL, BAND EDGE



802.11g 2 CHANNEL, CARRIER LEVEL



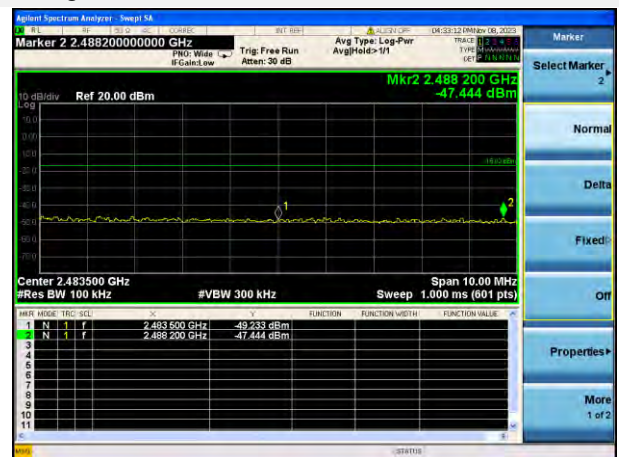
802.11g 2 CHANNEL, BAND EDGE



802.11g 10 CHANNEL, CARRIER LEVEL



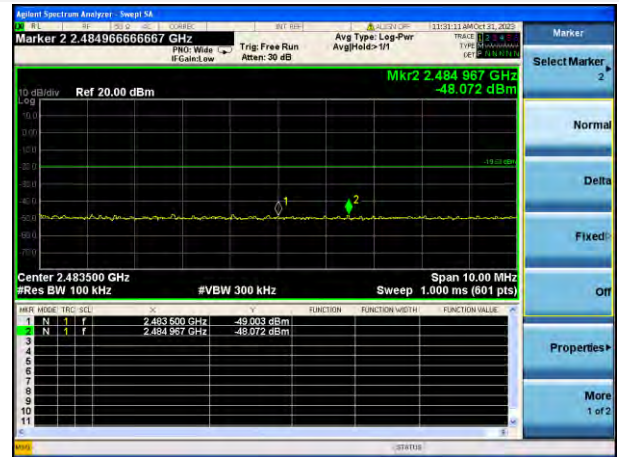
802.11g 10 CHANNEL, BAND EDGE



802.11g 11 CHANNEL, CARRIER LEVEL



802.11g 11 CHANNEL, BAND EDGE



802.11n-20 MHz 1 CHANNEL, CARRIER LEVEL



802.11n-20 MHz 1 CHANNEL, BAND EDGE



802.11n-20 MHz 2 CHANNEL, CARRIER LEVEL



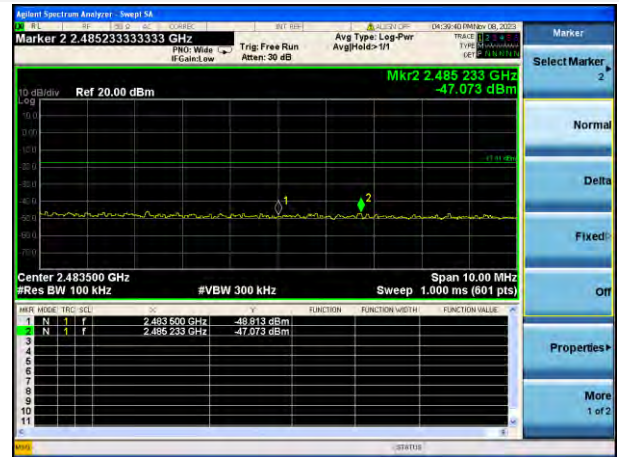
802.11n-20 MHz 2 CHANNEL, BAND EDGE



802.11n-20 MHz 10 CHANNEL, CARRIER LEVEL



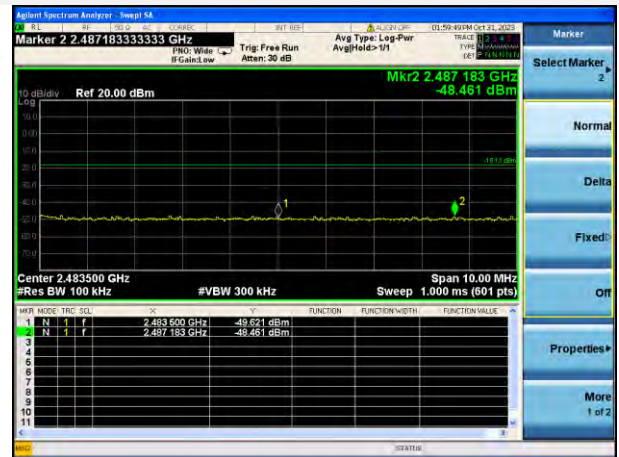
802.11n-20 MHz 10 CHANNEL, BAND EDGE



802.11n-20 MHz 11 CHANNEL, CARRIER LEVEL



802.11n-20 MHz 11 CHANNEL, BAND EDGE



802.11n-40 MHz 3 CHANNEL, CARRIER LEVEL



802.11n-40 MHz 3 CHANNEL, BAND EDGE



802.11n-40 MHz 4 CHANNEL, CARRIER LEVEL



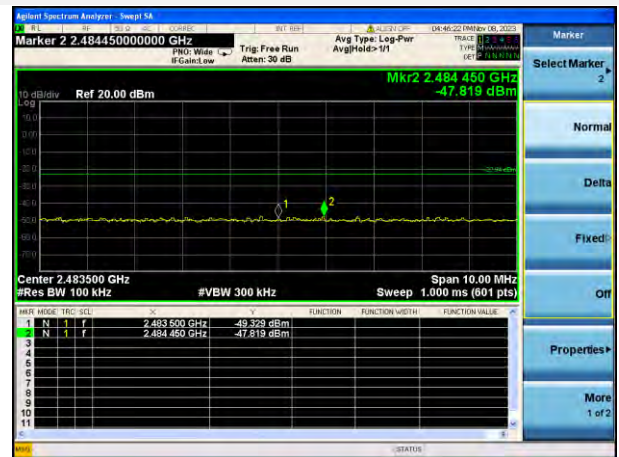
802.11n-40 MHz 4 CHANNEL, BAND EDGE



802.11n-40 MHz 8 CHANNEL, CARRIER LEVEL



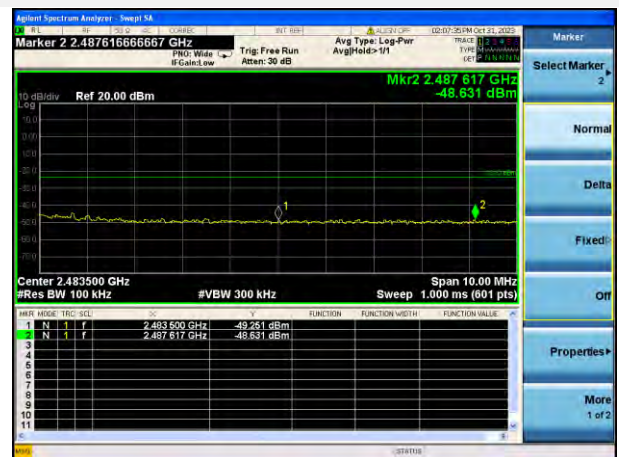
802.11n-40 MHz 8 CHANNEL, BAND EDGE



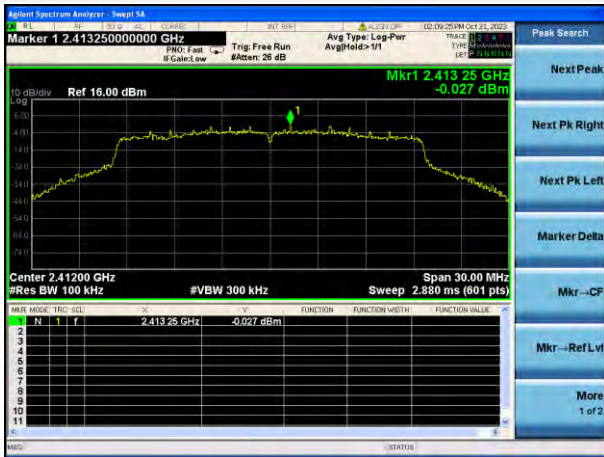
802.11n-40 MHz 9 CHANNEL, CARRIER LEVEL



802.11n-40 MHz 9 CHANNEL, BAND EDGE



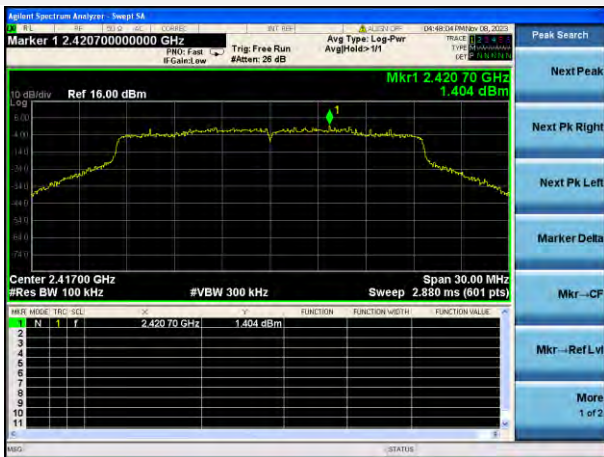
802.11ax-20 MHz(SU) 1 CHANNEL, CARRIER LEVEL



802.11ax-20 MHz(SU) 1 CHANNEL, BAND EDGE



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



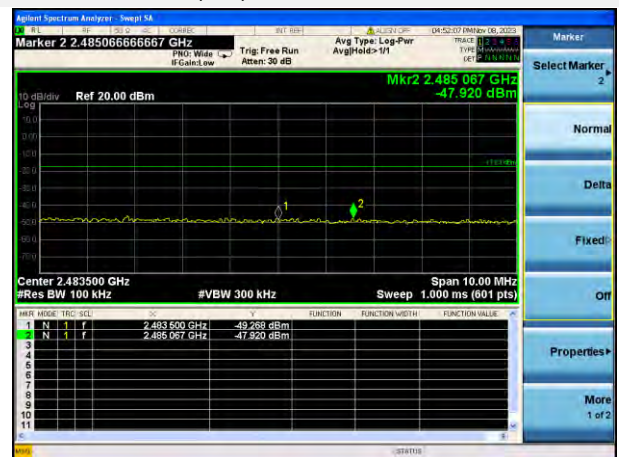
802.11ax-20 MHz(SU) 2 CHANNEL, BAND EDGE



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

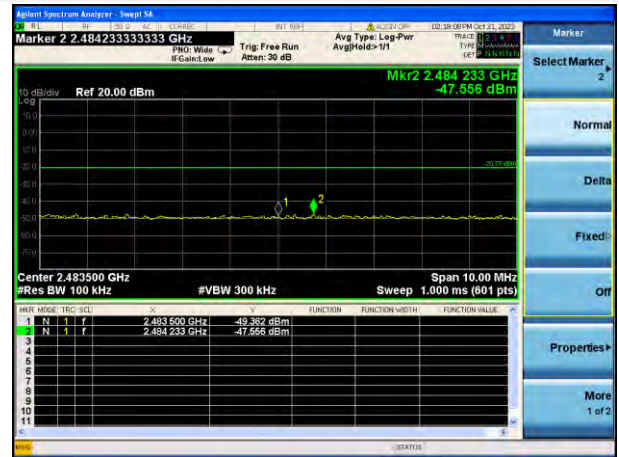


802.11ax-20 MHz(SU) 10 CHANNEL, BAND EDGE



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

802.11ax-20 MHz(SU) 11 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 3 CHANNEL, CARRIER LEVEL

802.11ax-40 MHz(SU) 3 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 4 CHANNEL, CARRIER LEVEL

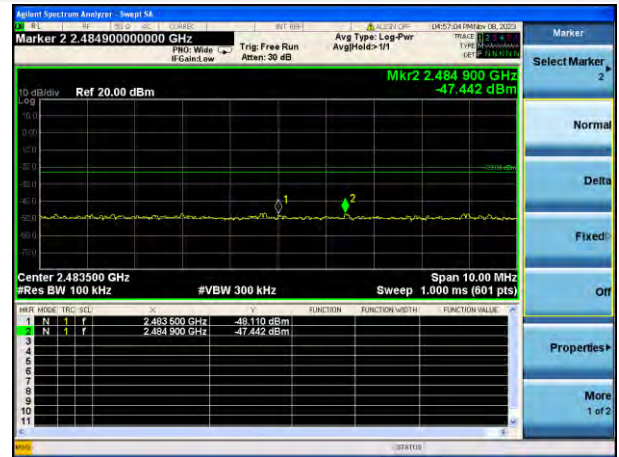
802.11ax-40 MHz(SU) 4 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 8 CHANNEL, CARRIER LEVEL



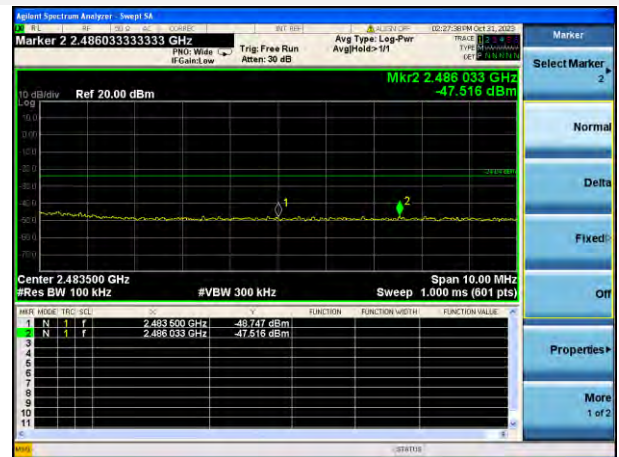
802.11ax-40 MHz(SU) 8 CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) 9 CHANNEL, CARRIER LEVEL



802.11ax-40 MHz(SU) 9 CHANNEL, BAND EDGE



MIMO-Aux. Antenna

802.11g 1 CHANNEL, CARRIER LEVEL



802.11g 1 CHANNEL, BAND EDGE



802.11g 2 CHANNEL, CARRIER LEVEL



802.11g 2 CHANNEL, BAND EDGE



802.11g 10 CHANNEL, CARRIER LEVEL



802.11g 10 CHANNEL, BAND EDGE

