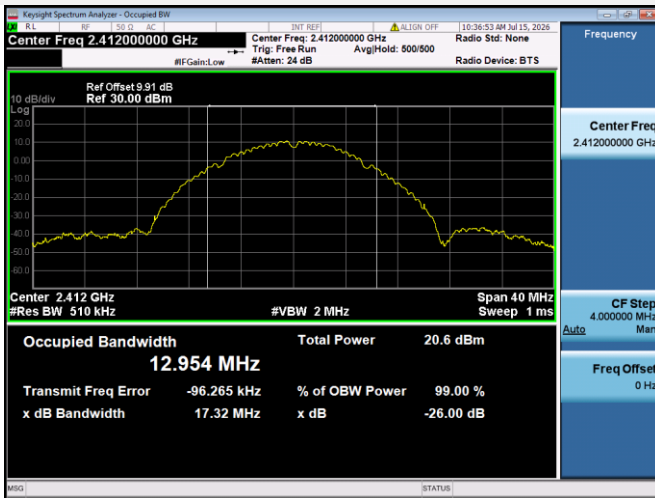
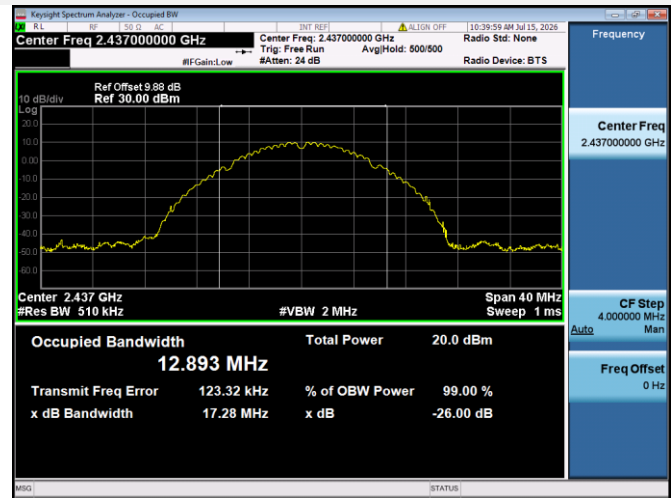


99% Bandwidth

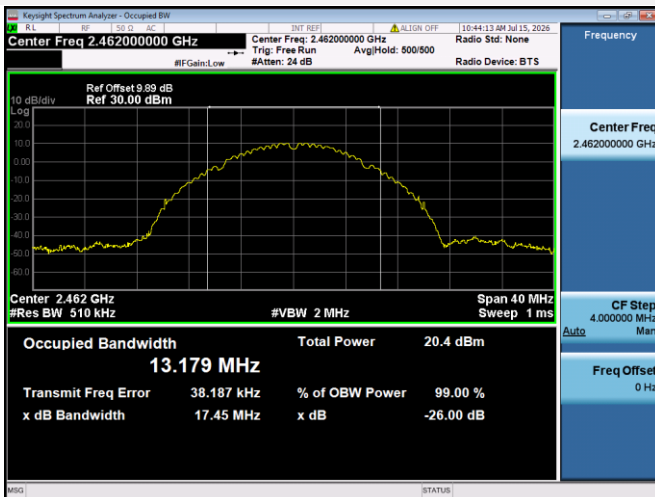
802.11b LOW CHANNEL



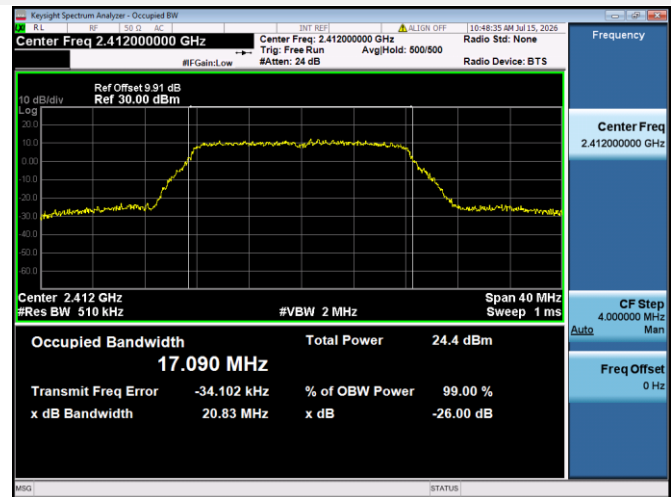
802.11b MIDDLE CHANNEL



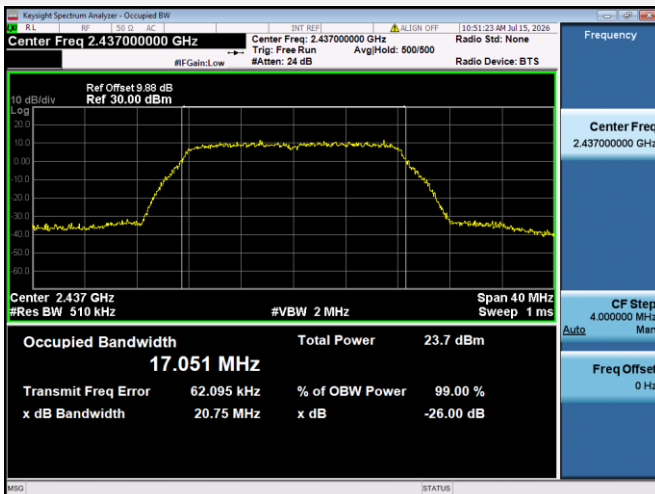
802.11b HIGH CHANNEL



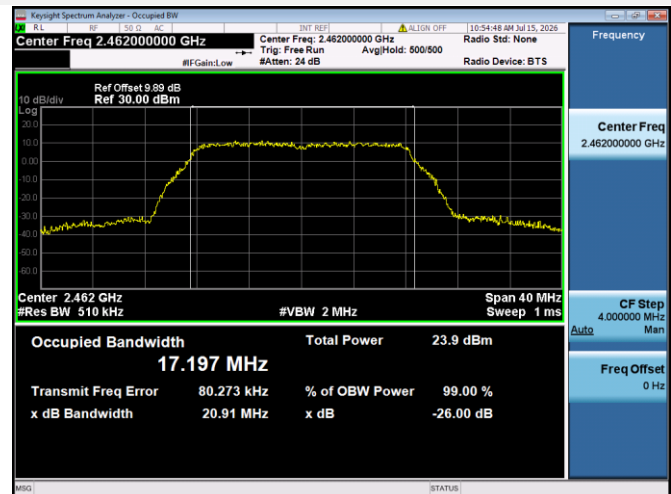
802.11g LOW CHANNEL



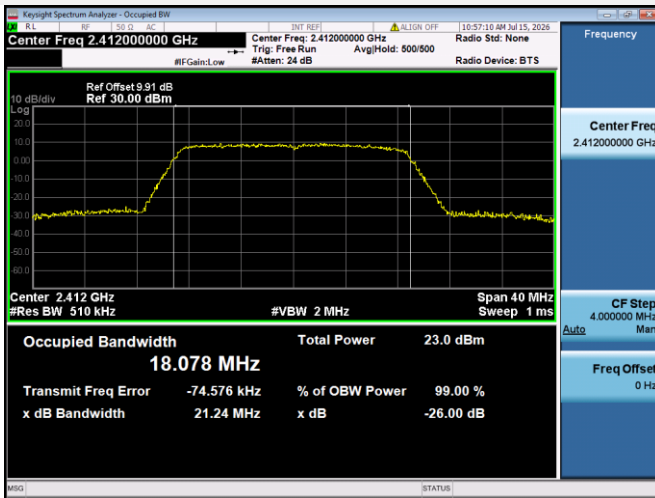
802.11g MIDDLE CHANNEL



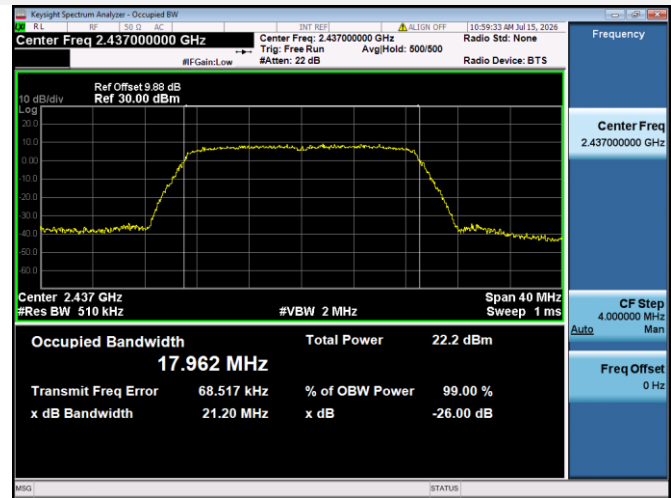
802.11g HIGH CHANNEL



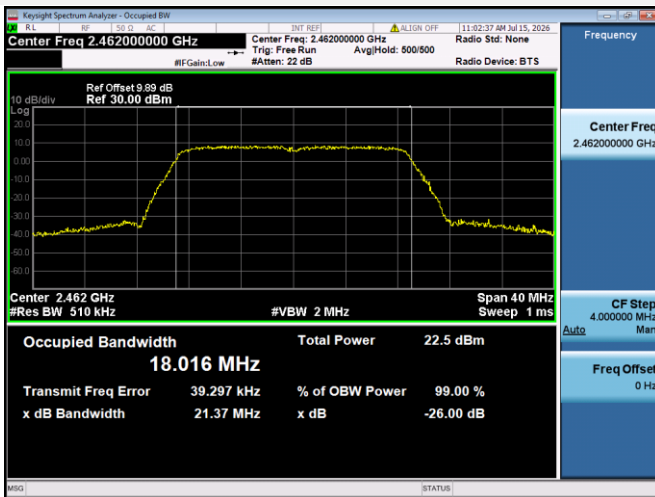
802.11n-20 MHz LOW CHANNEL



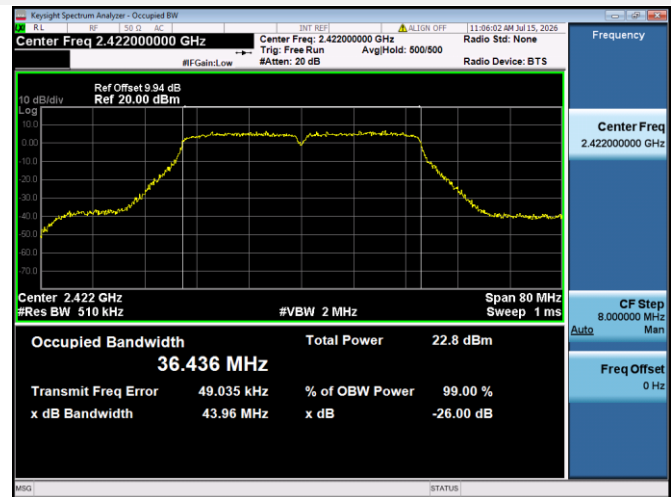
802.11n-20 MHz MIDDLE CHANNEL



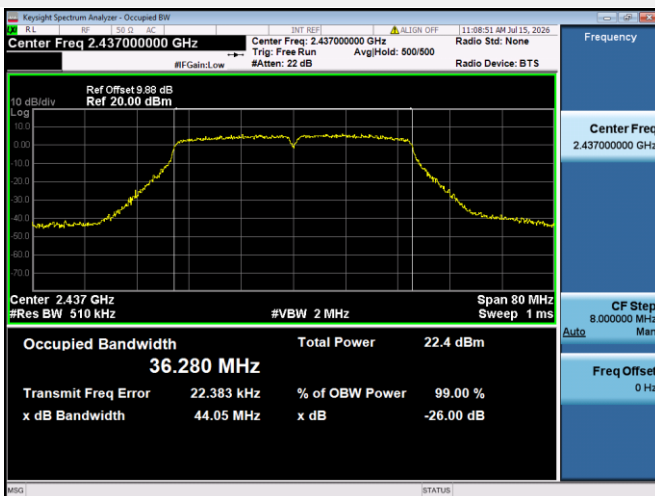
802.11n-20 MHz HIGH CHANNEL



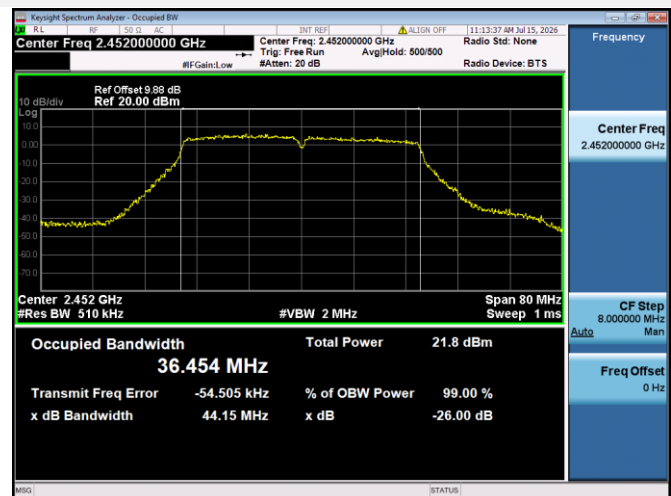
802.11n-40 MHz LOW CHANNEL



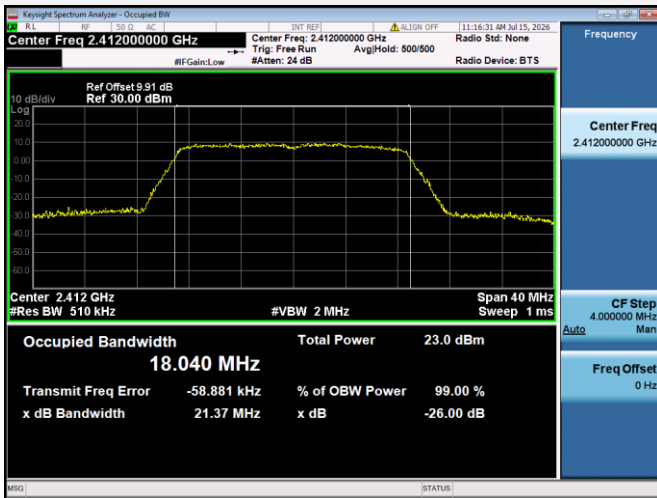
802.11n-40 MHz MIDDLE CHANNEL



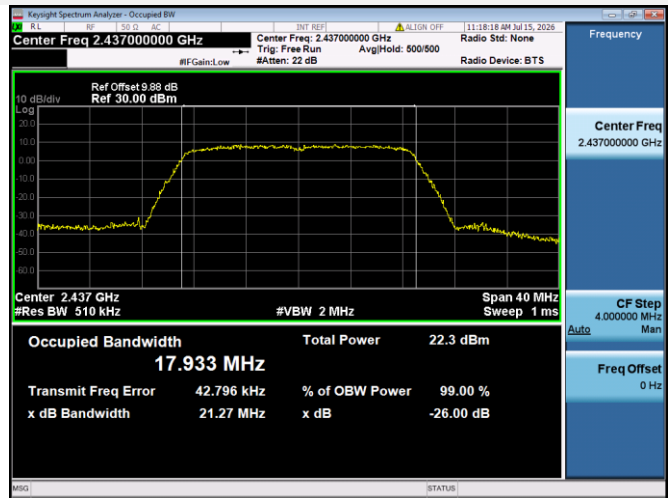
802.11n-40 MHz HIGH CHANNEL



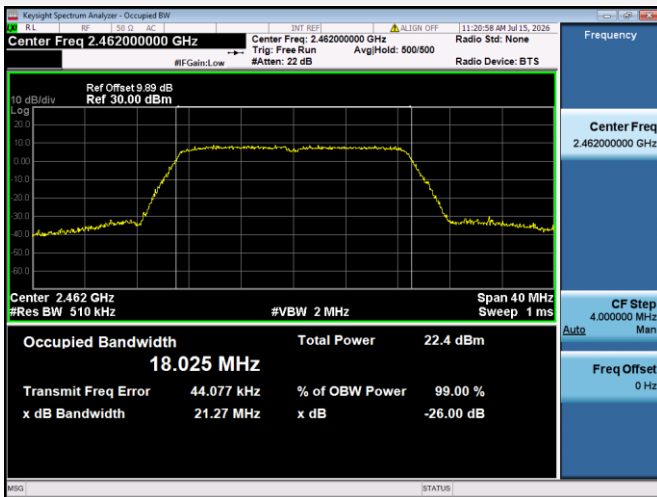
VHT-20 MHz LOW CHANNEL



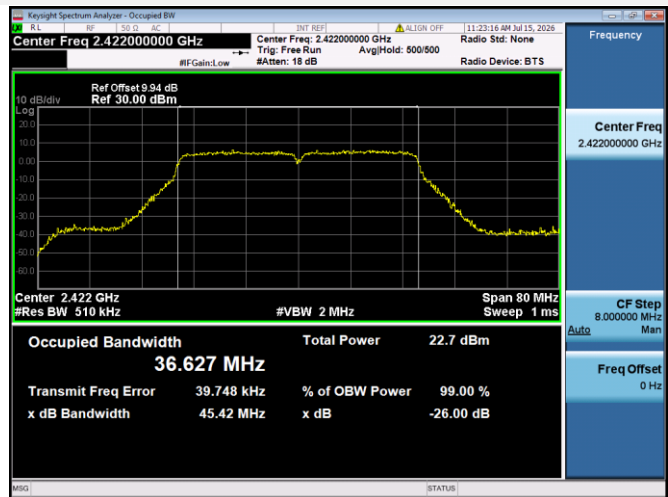
VHT-20 MHz MIDDLE CHANNEL



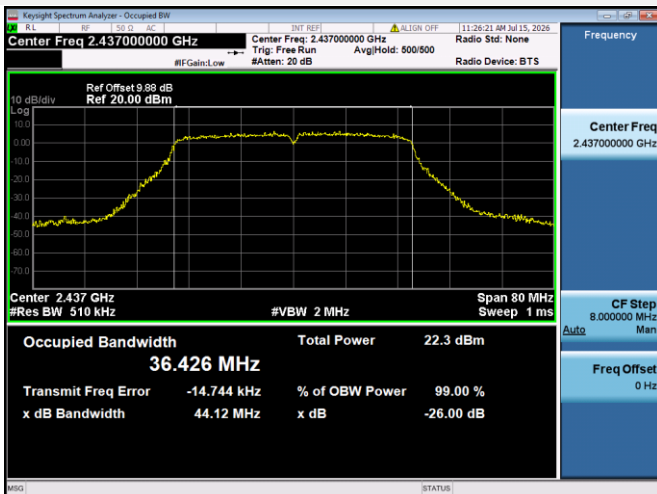
VHT-20 MHz HIGH CHANNEL



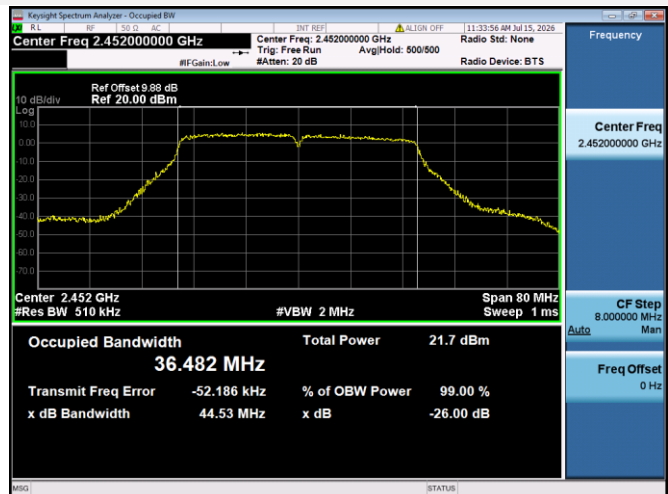
VHT-40 MHz LOW CHANNEL



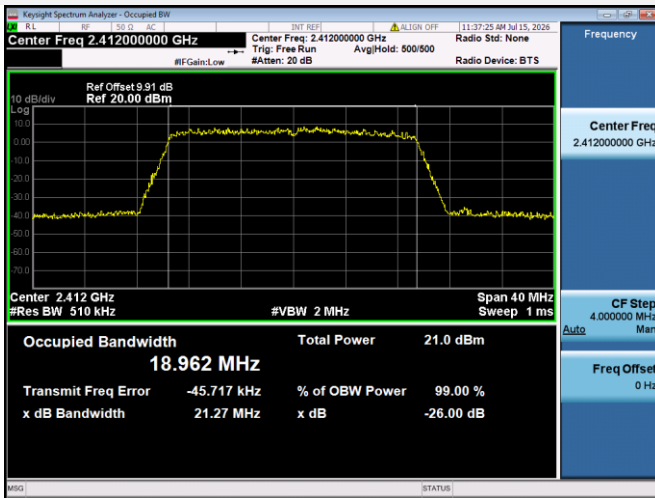
VHT-40 MHz MIDDLE CHANNEL



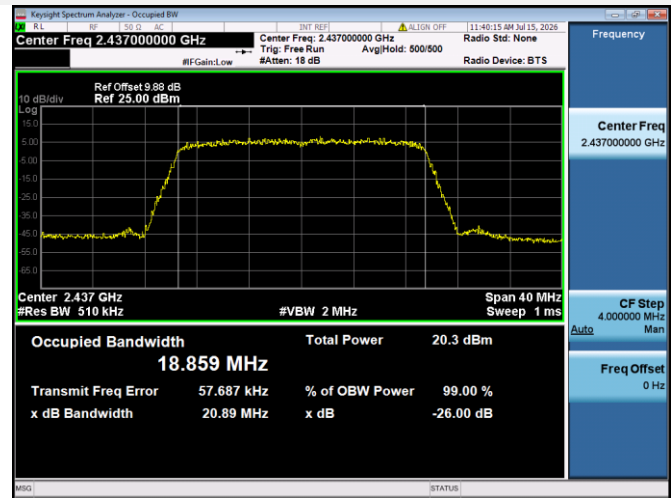
VHT-40 MHz HIGH CHANNEL



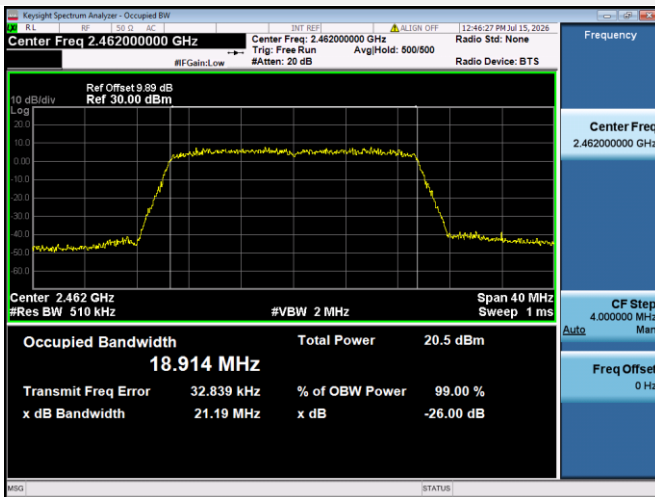
802.11ax-20 MHz(SU) LOW CHANNEL



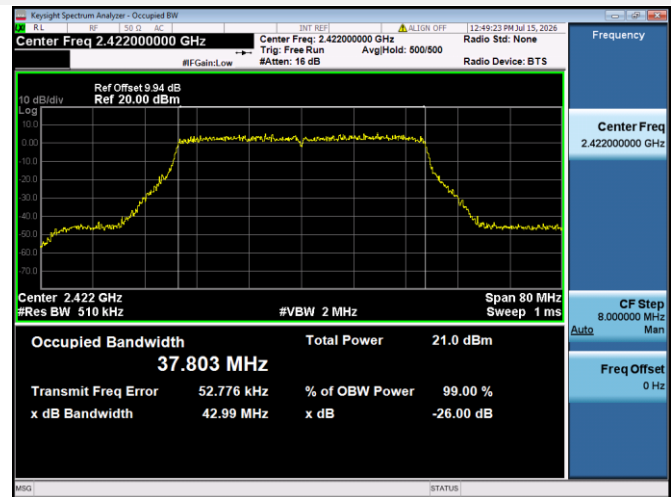
802.11ax-20 MHz(SU) MIDDLE CHANNEL



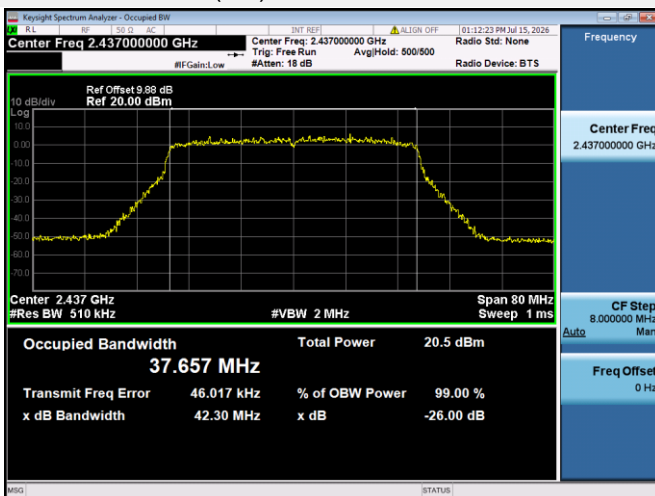
802.11ax-20 MHz(SU) HIGH CHANNEL



802.11ax-40 MHz(SU) LOW CHANNEL



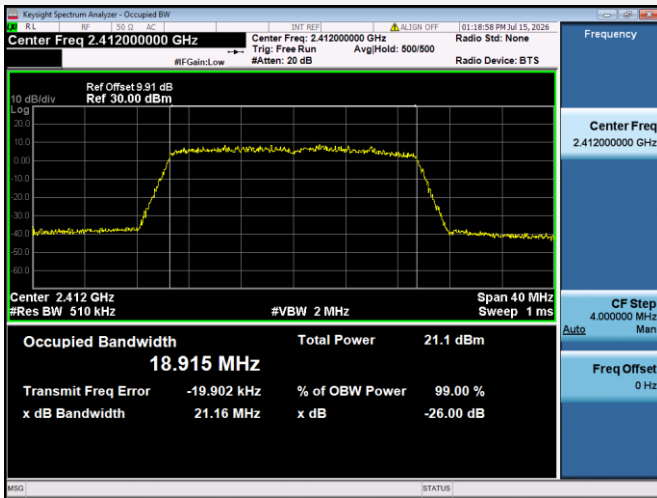
802.11ax-40 MHz(SU) MIDDLE CHANNEL



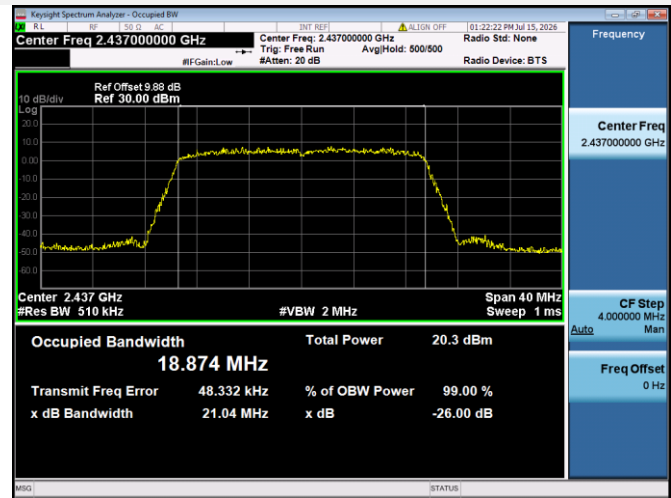
802.11ax-40 MHz(SU) HIGH CHANNEL



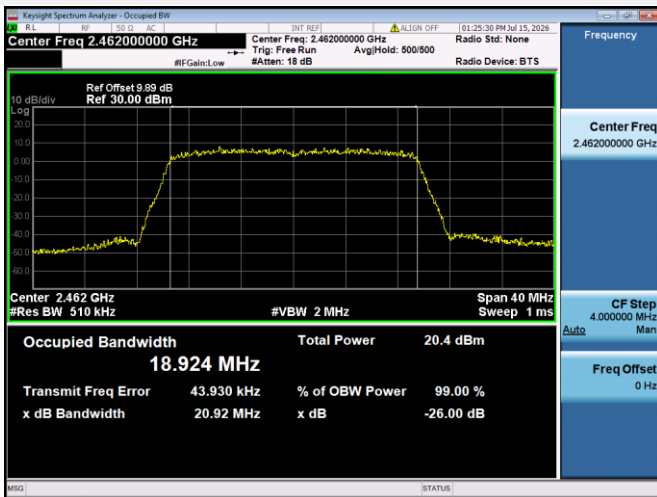
802.11be-20 MHz(SU) LOW CHANNEL



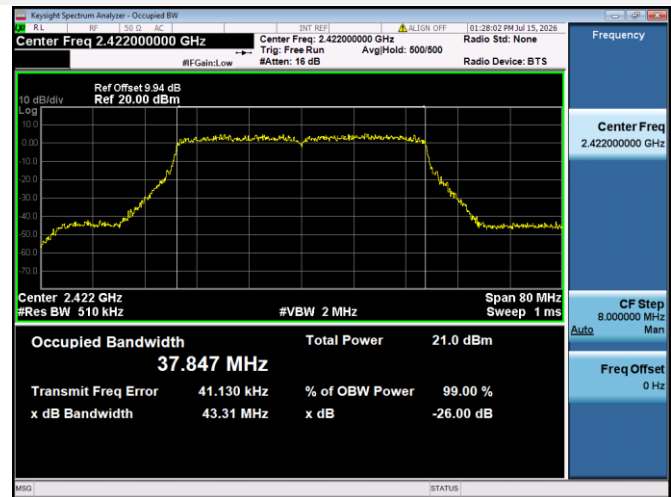
802.11be-20 MHz(SU) MIDDLE CHANNEL



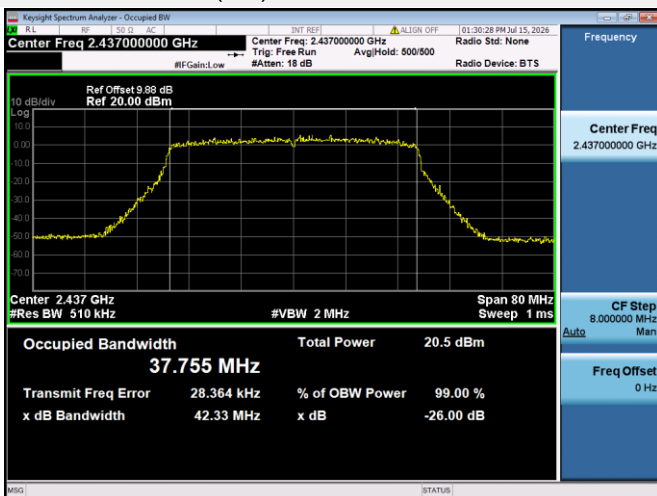
802.11be-20 MHz(SU) HIGH CHANNEL



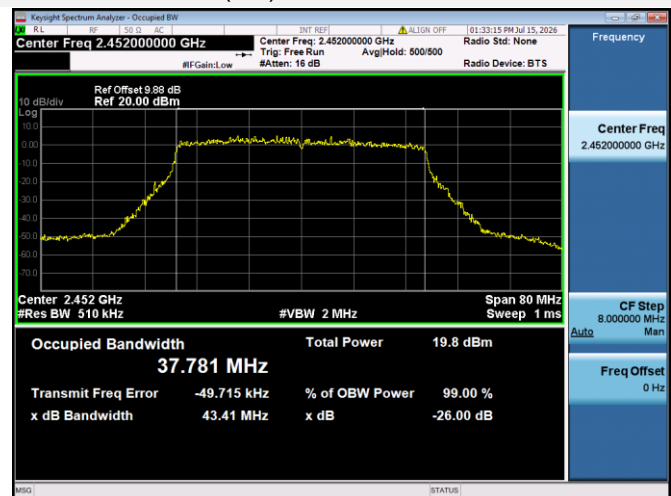
802.11be-40 MHz(SU) LOW CHANNEL



802.11be-40 MHz(SU) MIDDLE CHANNEL



802.11be-40 MHz(SU) HIGH CHANNEL



A.3 Conducted Spurious Emissions

Note ¹: All the configurations were pre tested, only the worst configuration has been reported in this report.

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

Test Data

W0BG

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-20.56	10.46	-9.54	Pass
Middle	-20.93	9.92	-10.08	Pass
High	-20.38	10.22	-9.78	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-20.79	7.11	-12.89	Pass
Middle	-21.52	6.70	-13.31	Pass
High	-20.58	6.59	-13.41	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-20.96	6.40	-13.60	Pass
Middle	-21.48	5.13	-14.87	Pass
High	-20.12	5.39	-14.61	Pass

802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-20.83	2.19	-17.81	Pass
Middle	-30.68	2.29	-17.71	Pass
High	-21.57	1.14	-18.86	Pass

VHT-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-21.56	5.70	-14.30	Pass
Middle	-19.82	5.35	-14.65	Pass
High	-21.08	4.92	-15.08	Pass

VHT-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-30.63	2.21	-17.79	Pass
Middle	-22.15	2.07	-17.94	Pass
High	-31.77	1.83	-18.17	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-22.61	3.14	-16.86	Pass
Middle	-24.68	2.12	-17.88	Pass
High	-20.77	1.99	-18.01	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-31.84	-1.23	-21.23	Pass
Middle	-29.93	-0.98	-20.98	Pass
High	-31.79	-1.68	-21.68	Pass

802.11be-20 MHz(SU) Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-32.64	3.19	-16.81	Pass
Middle	-30.38	2.18	-17.82	Pass
High	-30.66	2.07	-17.93	Pass

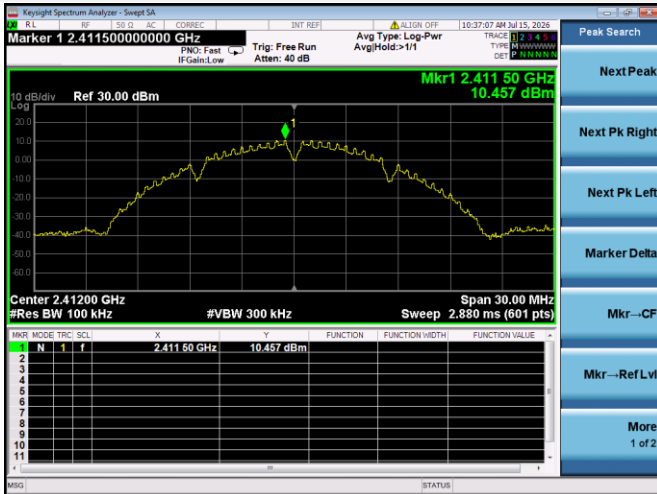
802.11be-40 MHz(SU) Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-31.66	-1.56	-21.56	Pass
Middle	-33.47	-1.08	-21.08	Pass
High	-32.00	-1.56	-21.56	Pass

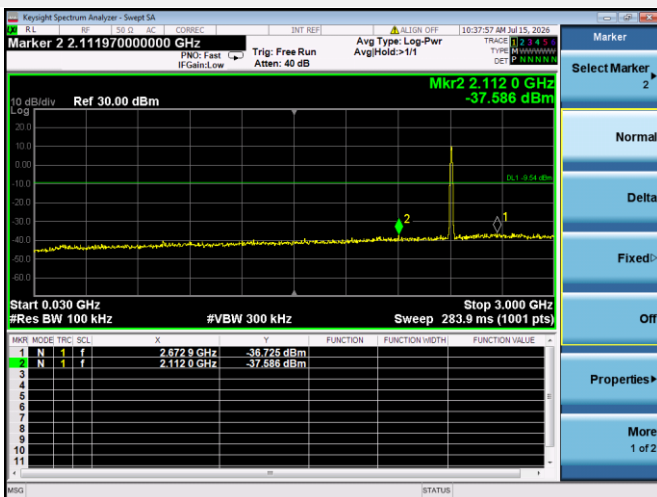
W0BG

Test Plots

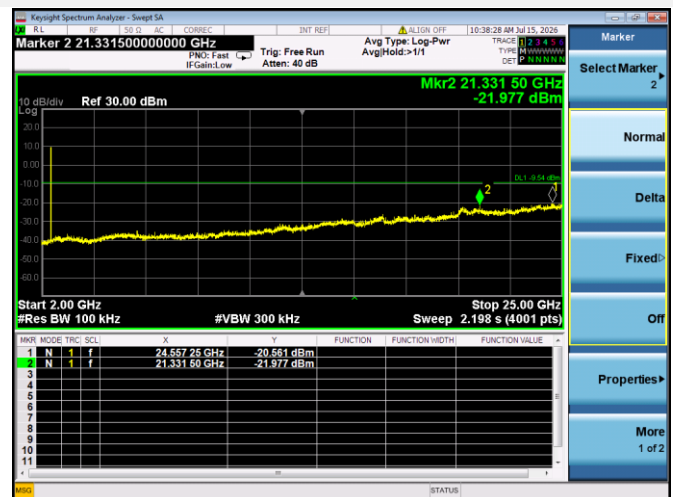
802.11b LOW CHANNEL CARRIER LEVEL



802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



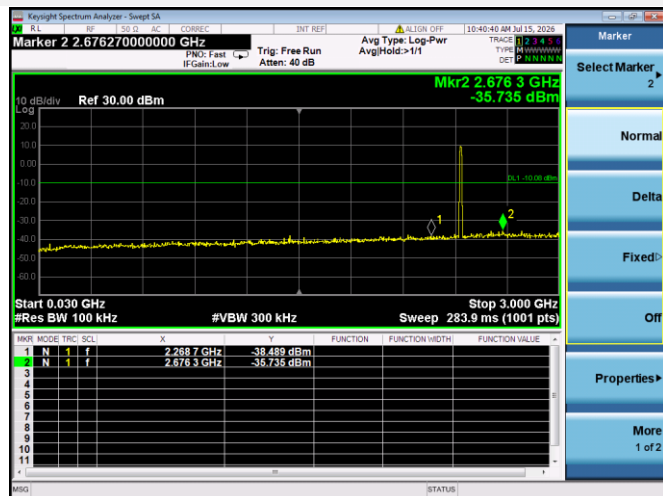
802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



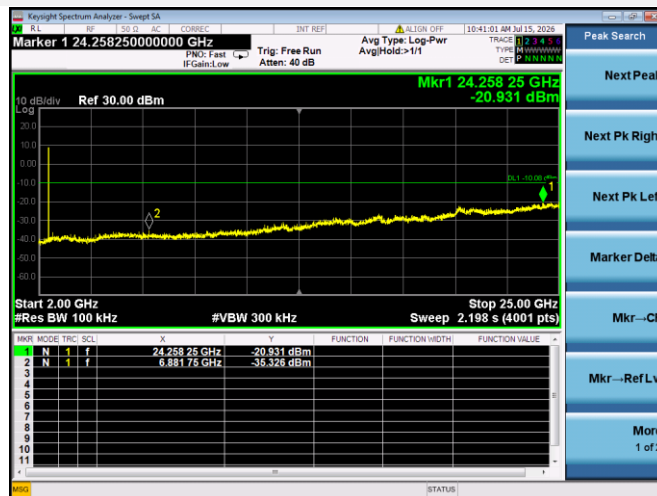
802.11b MIDDLE CHANNEL CARRIER LEVEL



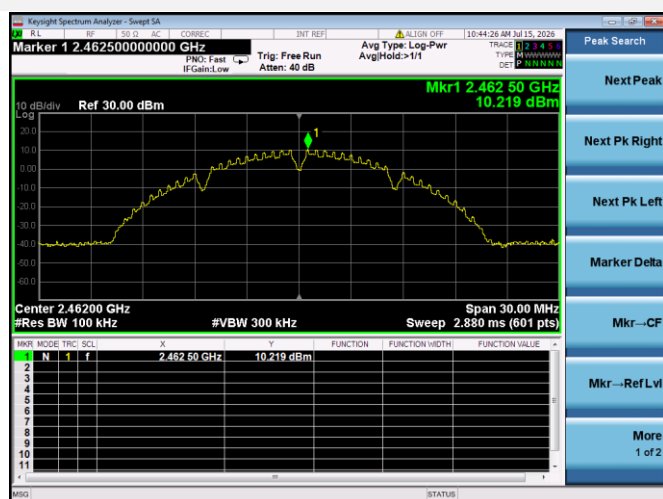
802.11b MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



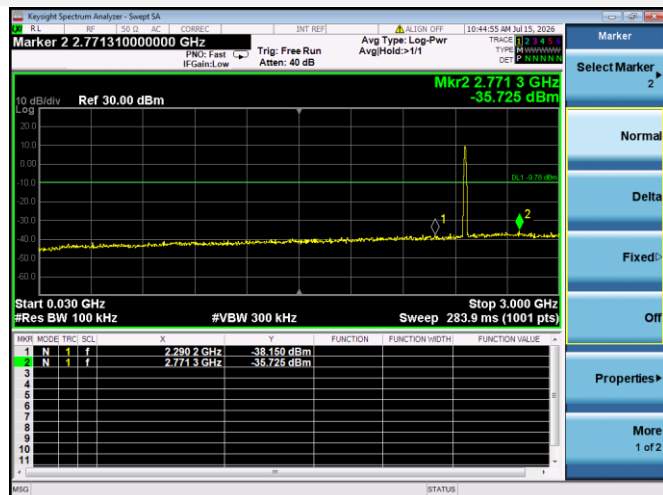
802.11b MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



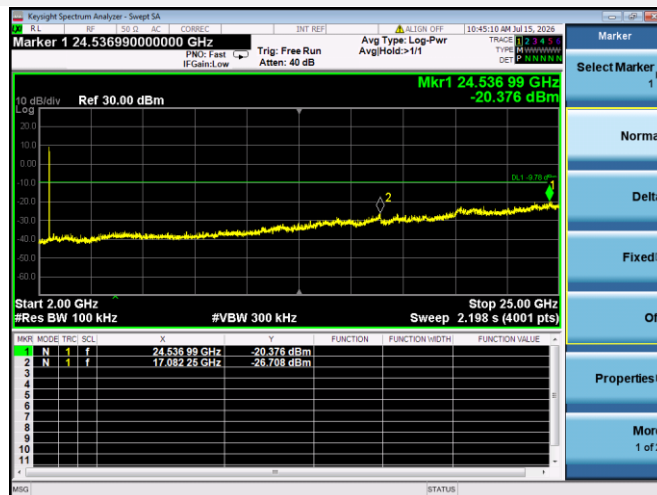
802.11b HIGH CHANNEL CARRIER LEVEL



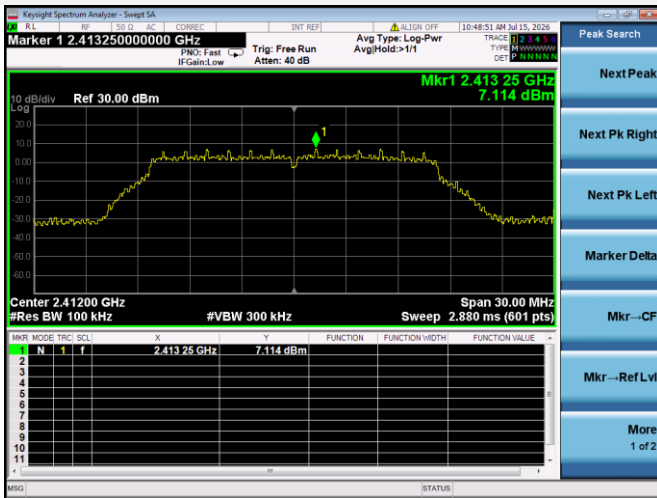
802.11b HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



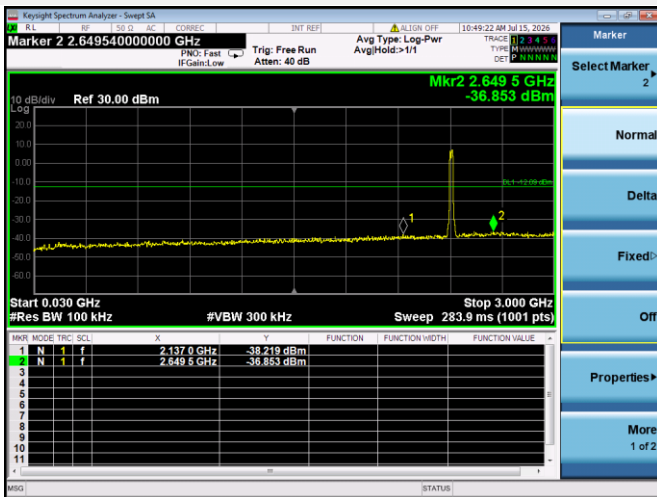
802.11b HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



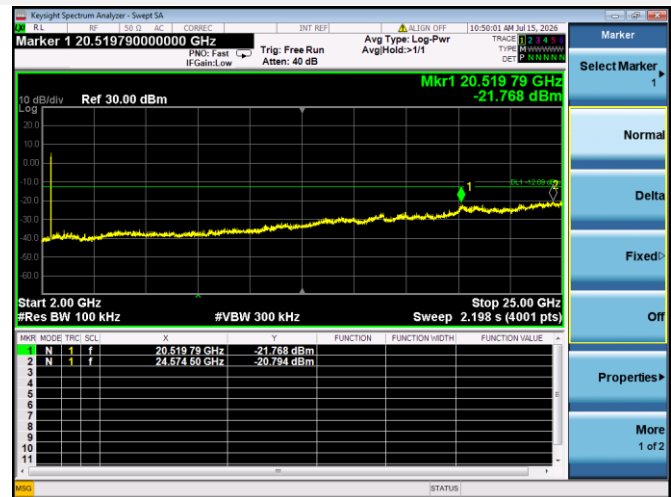
802.11g LOW CHANNEL CARRIER LEVEL



802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



802.11g MIDDLE CHANNEL CARRIER LEVEL

