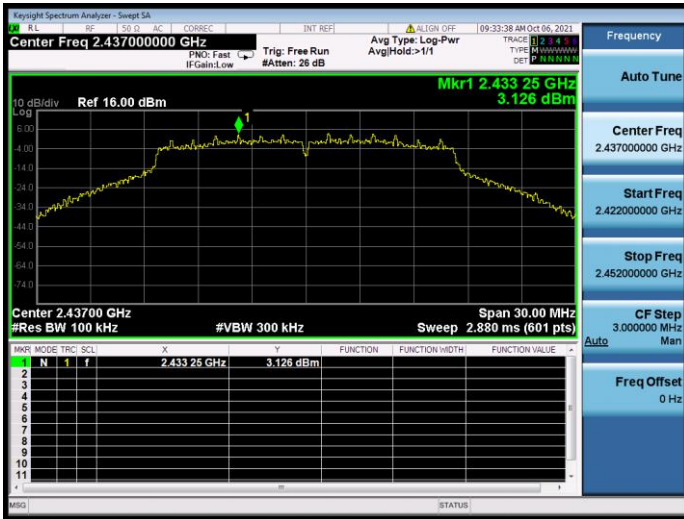
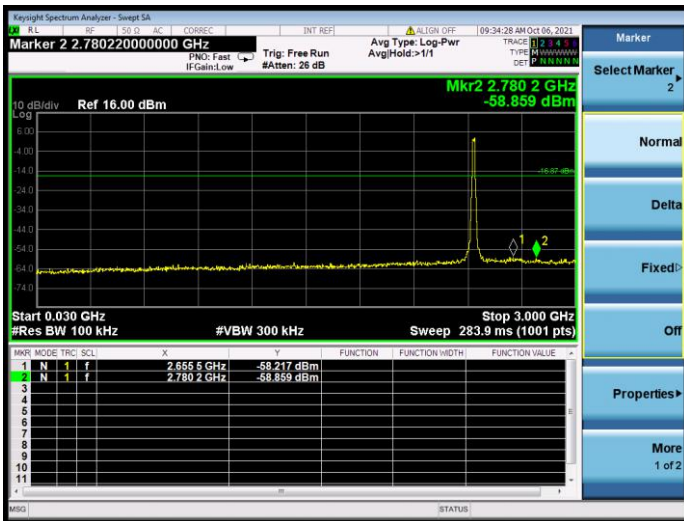


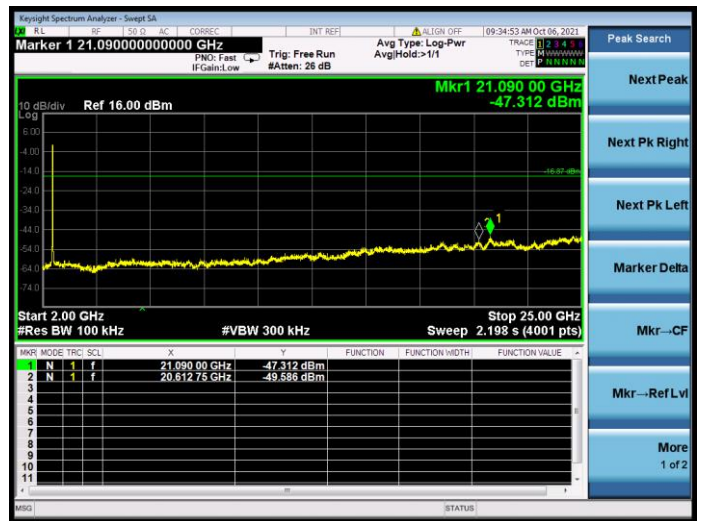
802.11g MIDDLE CHANNEL CARRIER LEVEL



802.11g MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



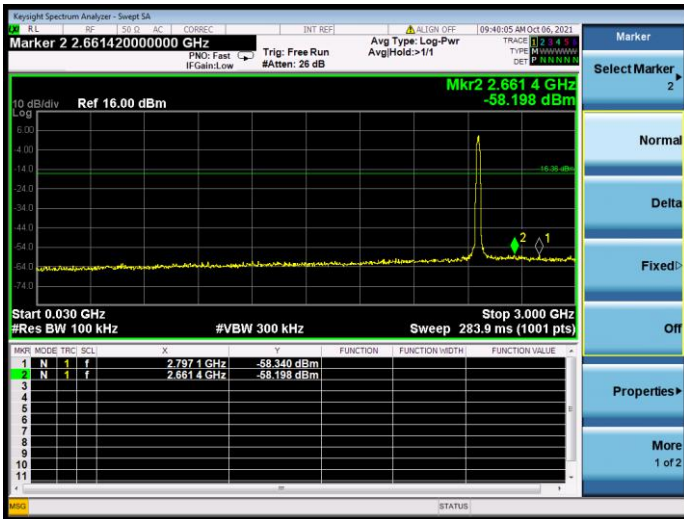
802.11g MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



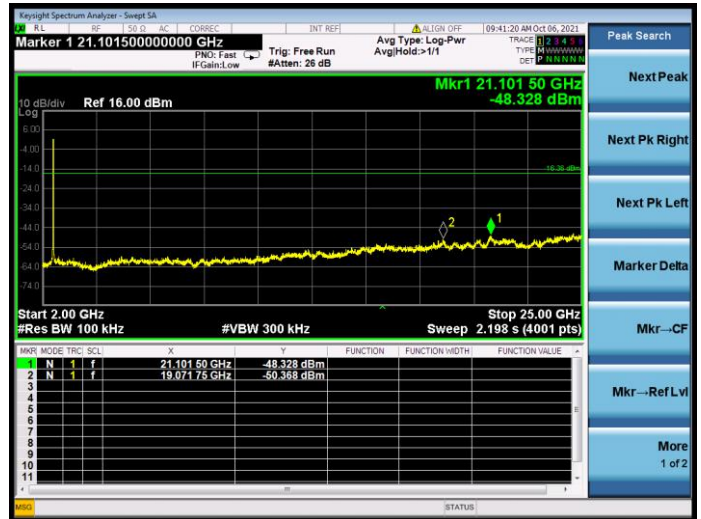
802.11g HIGH CHANNEL CARRIER LEVEL



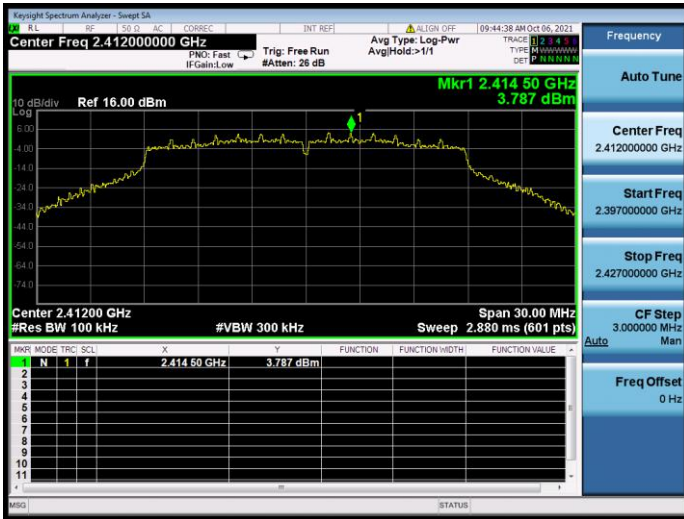
802.11g HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



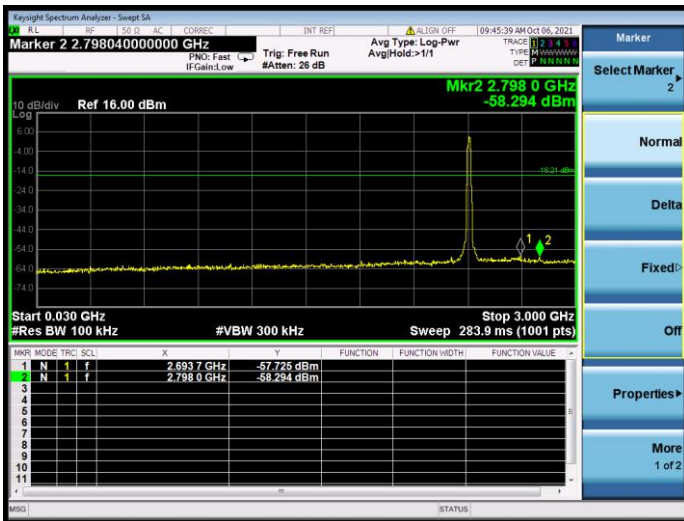
802.11g HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



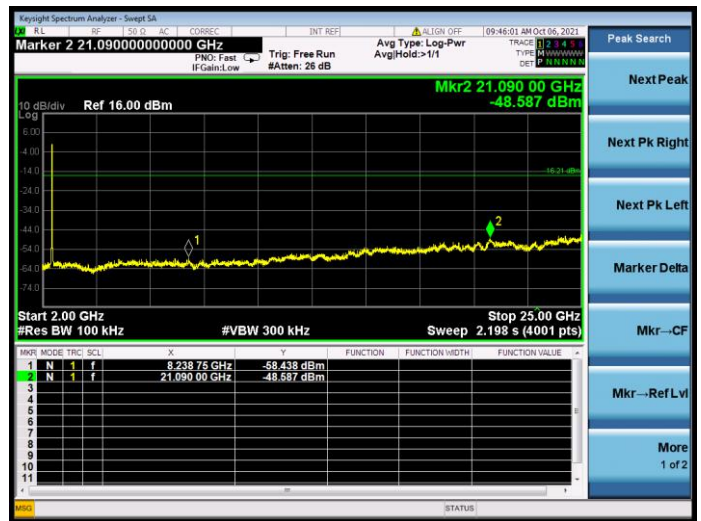
802.11n-20 LOW CHANNEL CARRIER LEVEL



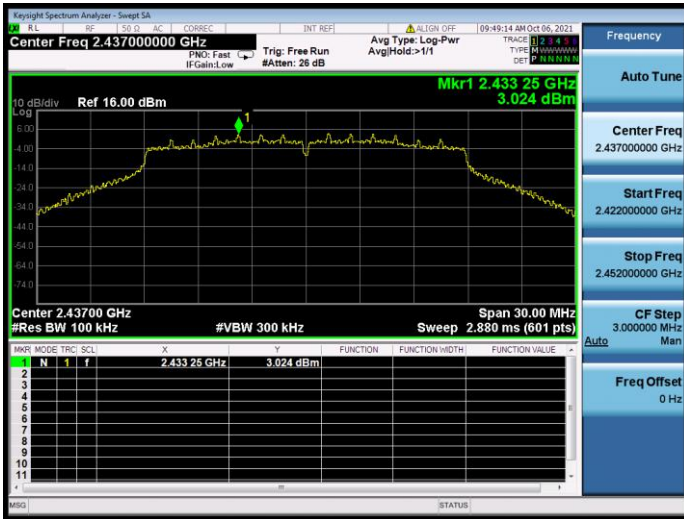
802.11n-20 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



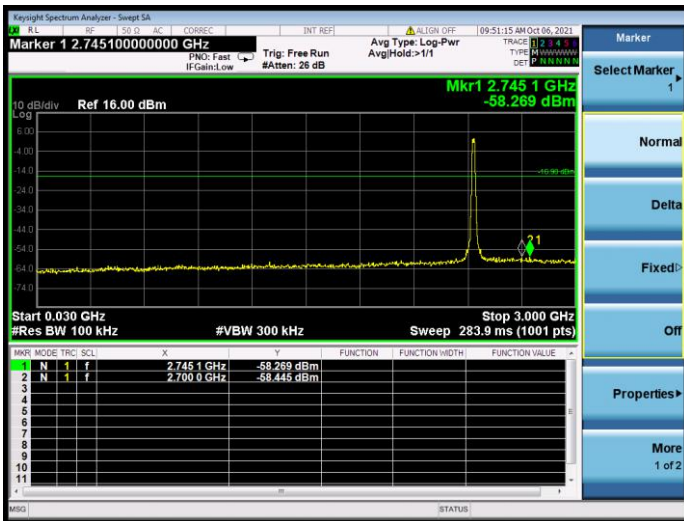
802.11n-20 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



802.11n-20 MIDDLE CHANNEL CARRIER LEVEL



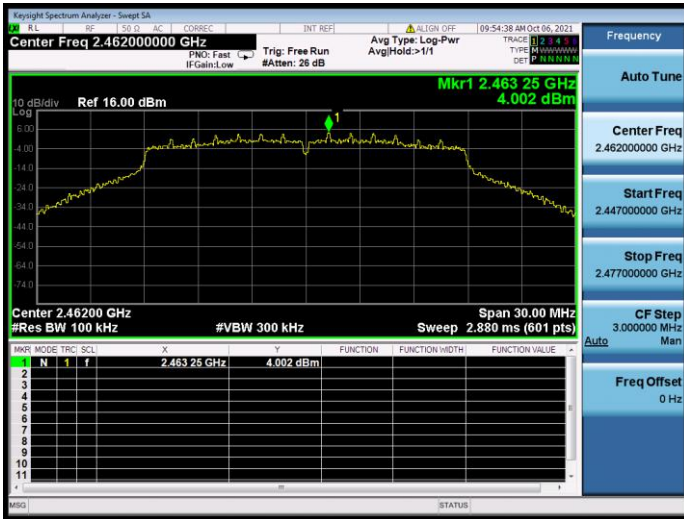
802.11n-20 MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



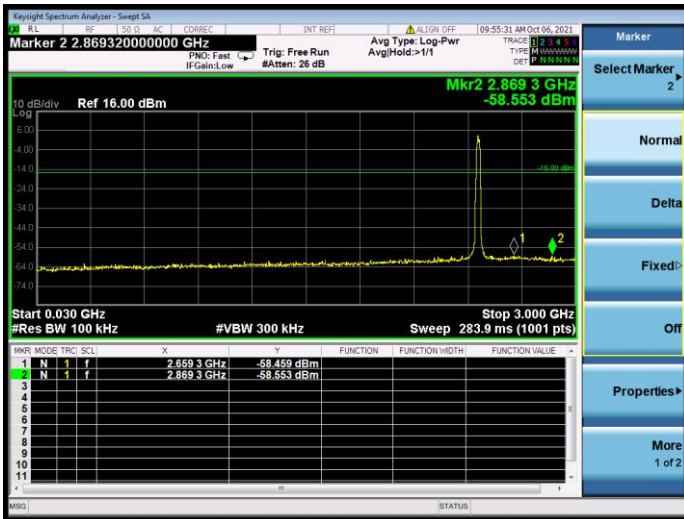
802.11n-20 MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



802.11n-20 HIGH CHANNEL CARRIER LEVEL



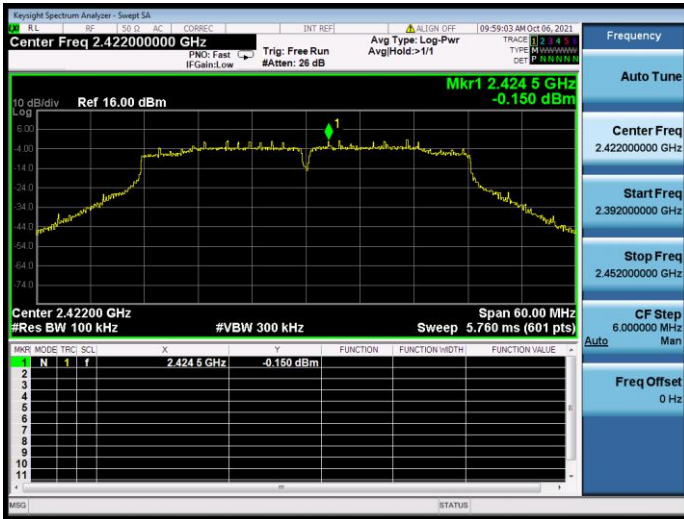
802.11n-20 HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



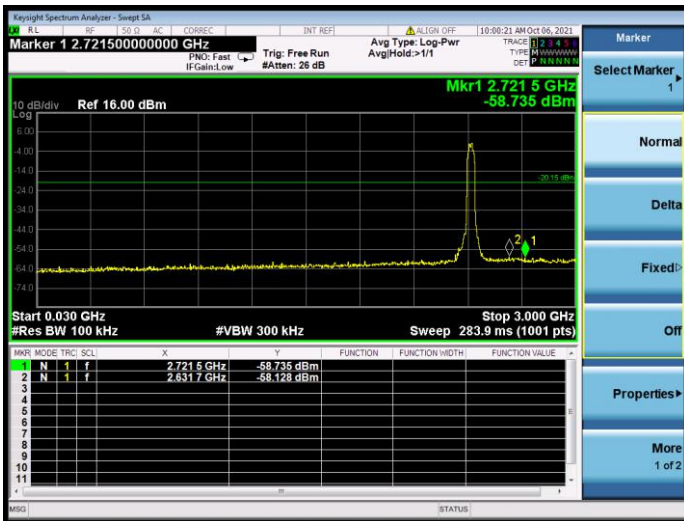
802.11n-20 HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



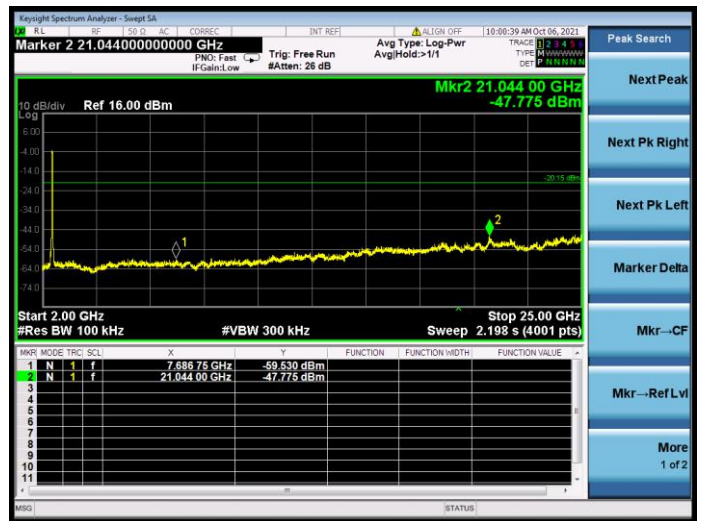
802.11n-40 LOW CHANNEL CARRIER LEVEL



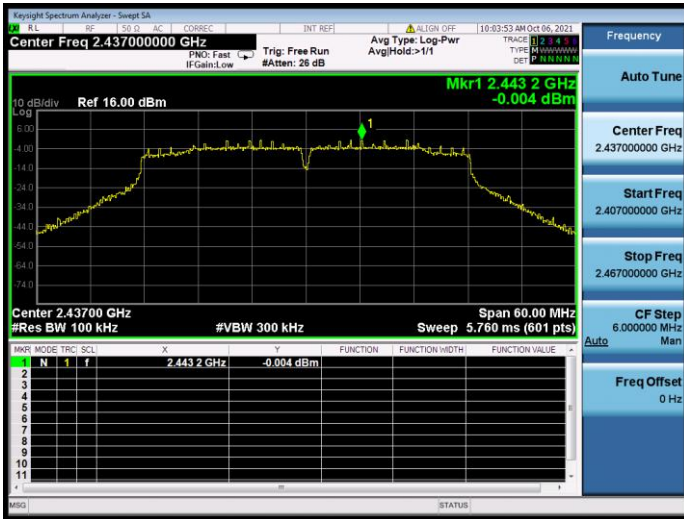
802.11n-40 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



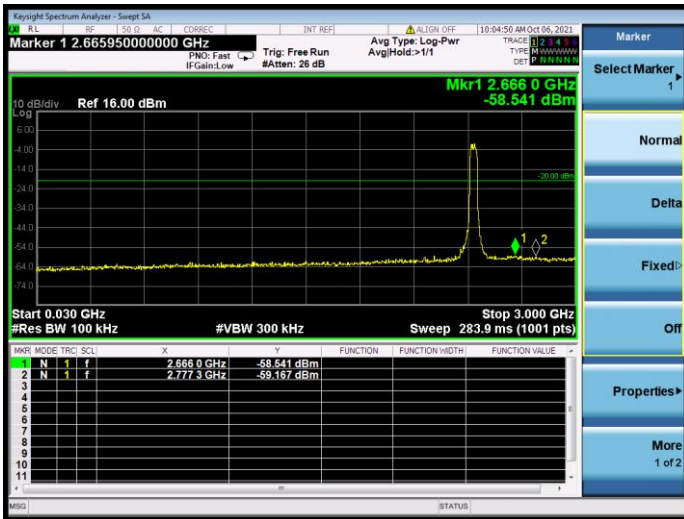
802.11n-40 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



802.11n-40 MIDDLE CHANNEL CARRIER LEVEL



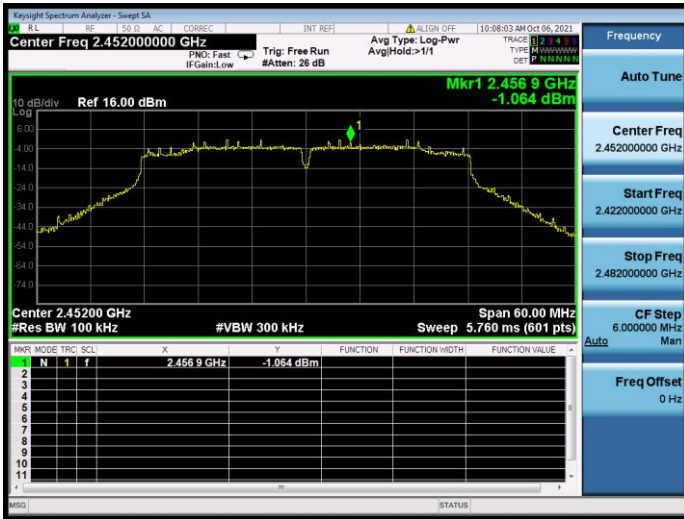
802.11n-40 MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



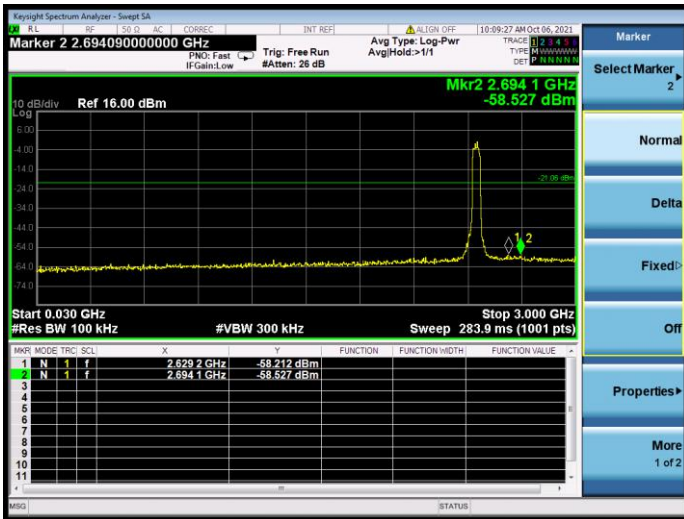
802.11n-40 MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



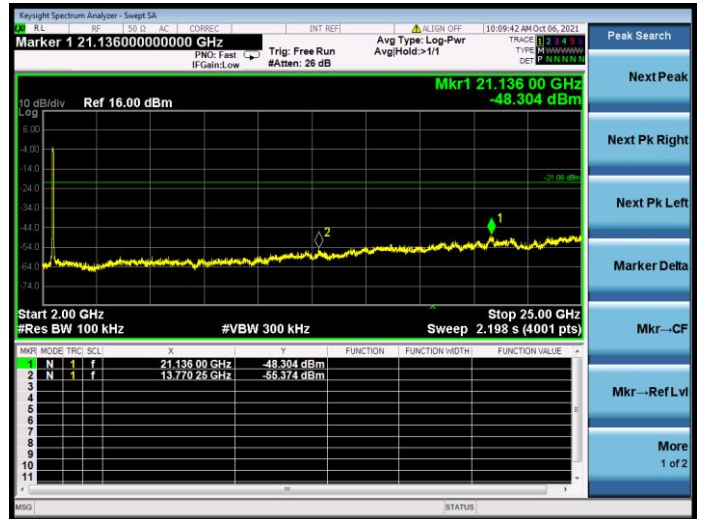
802.11n-40 HIGH CHANNEL CARRIER LEVEL



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

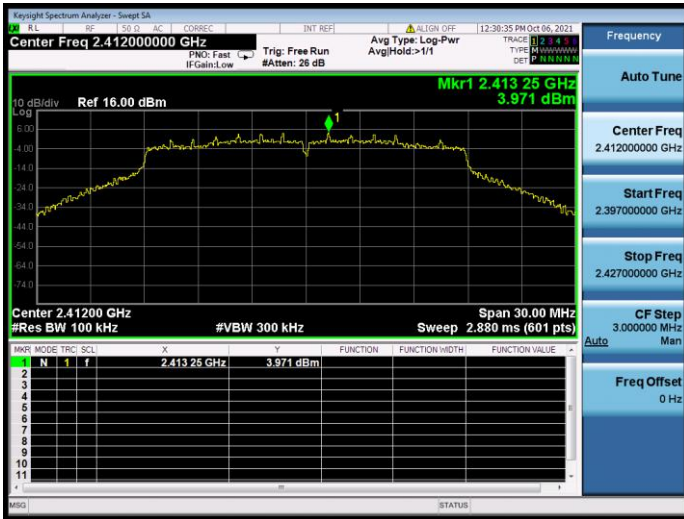


802.11n-40 HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



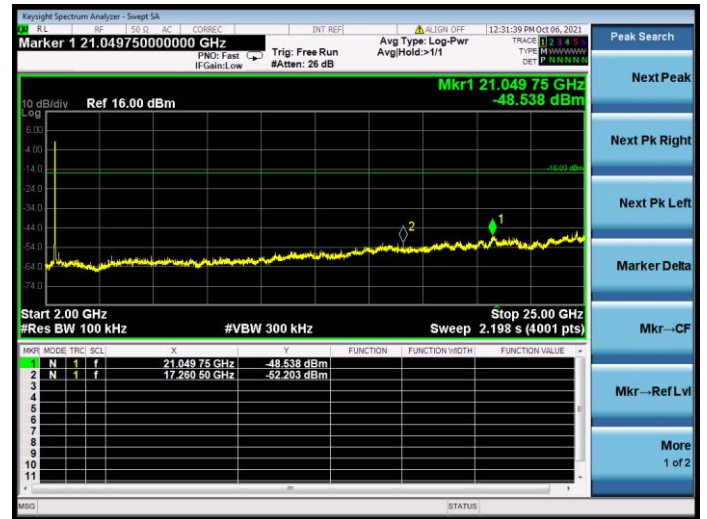
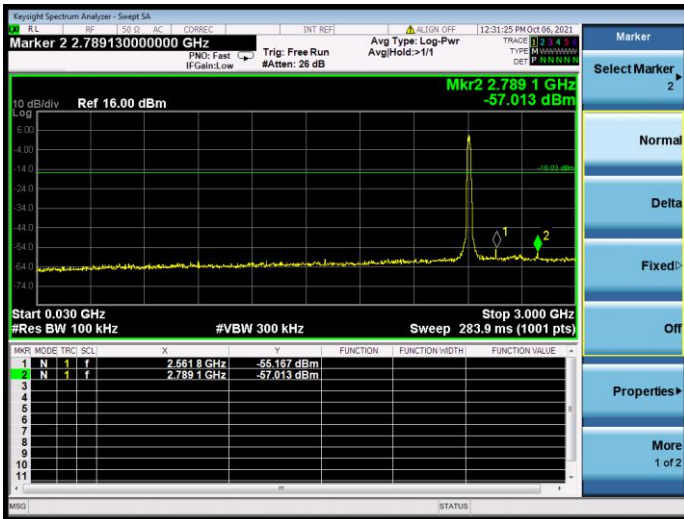
MIMO-Main Antenna

802.11n-20 LOW CHANNEL CARRIER LEVEL

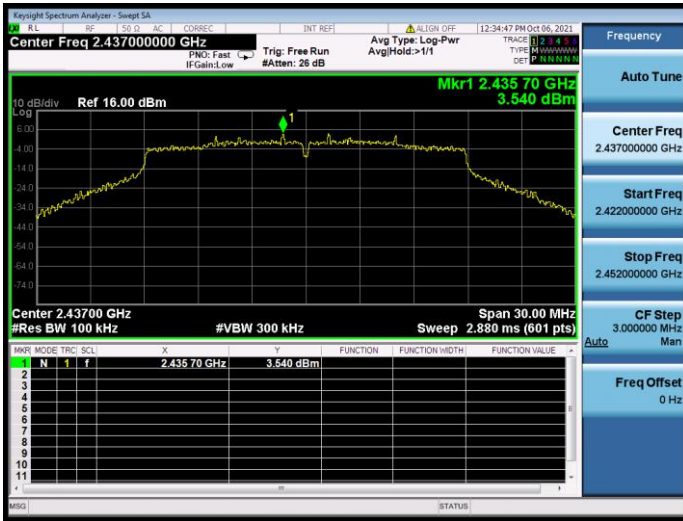


802.11n-20 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

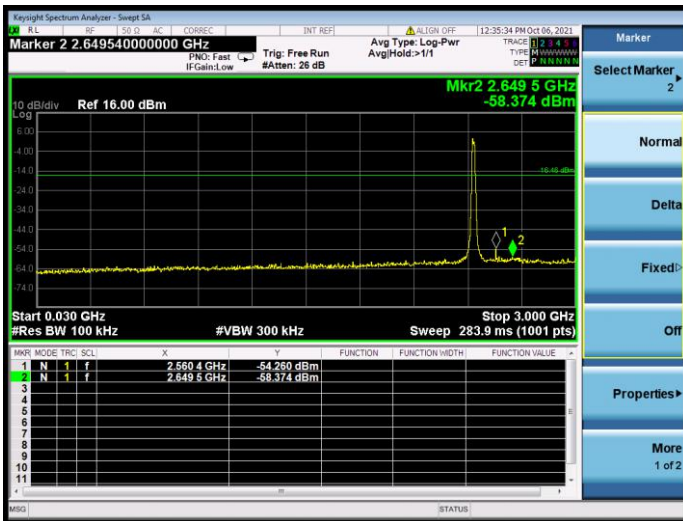
802.11n-20 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



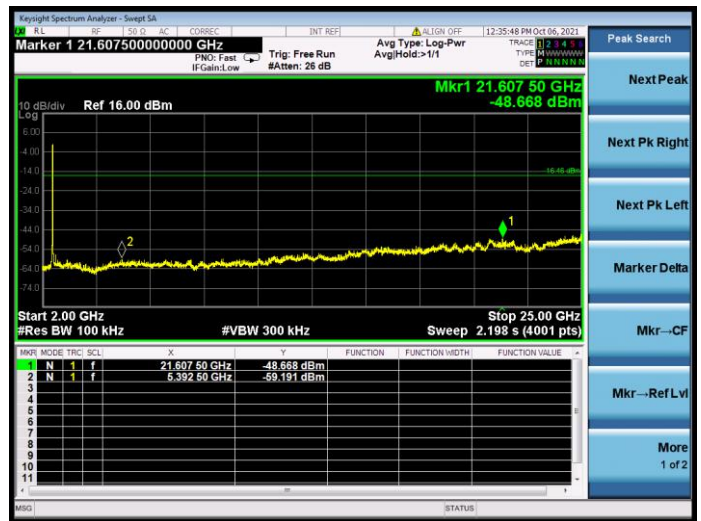
802.11n-20 MIDDLE CHANNEL CARRIER LEVEL



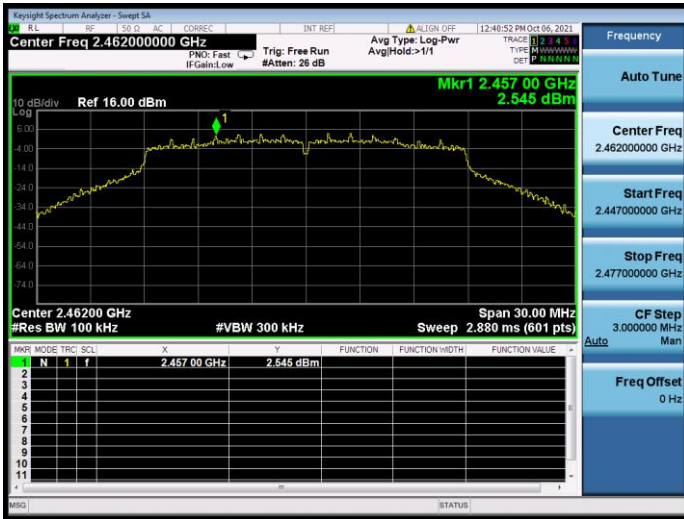
802.11n-20 MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



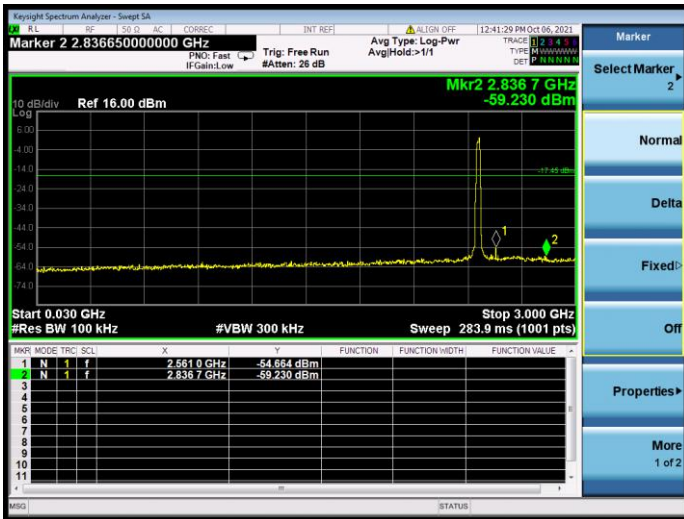
802.11n-20 MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



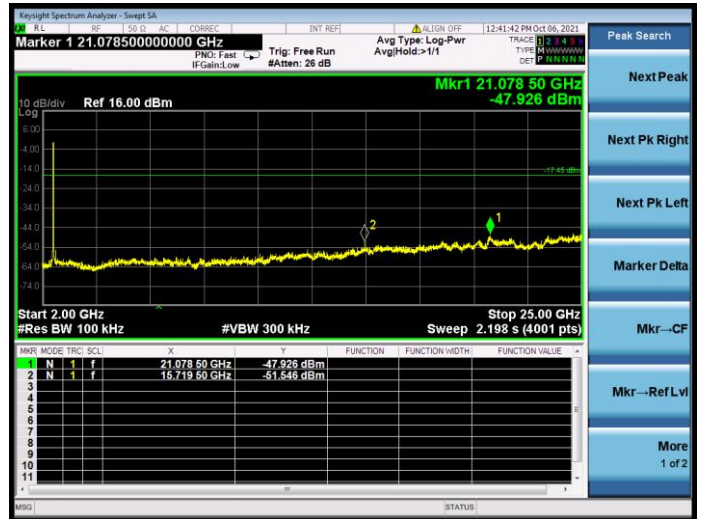
802.11n-20 HIGH CHANNEL CARRIER LEVEL



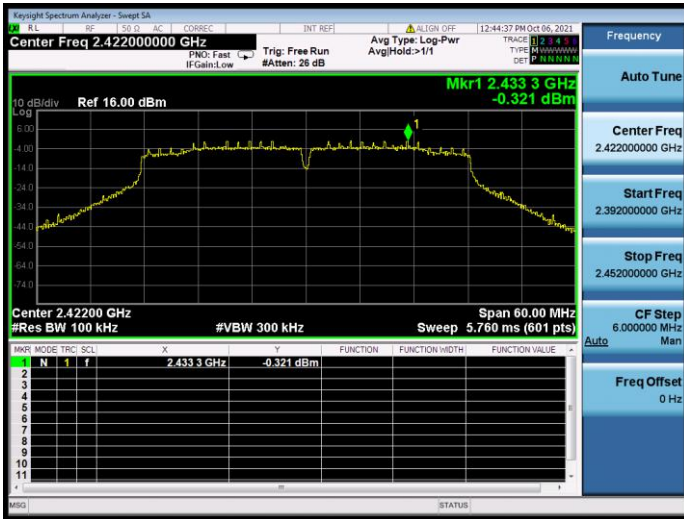
802.11n-20 HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



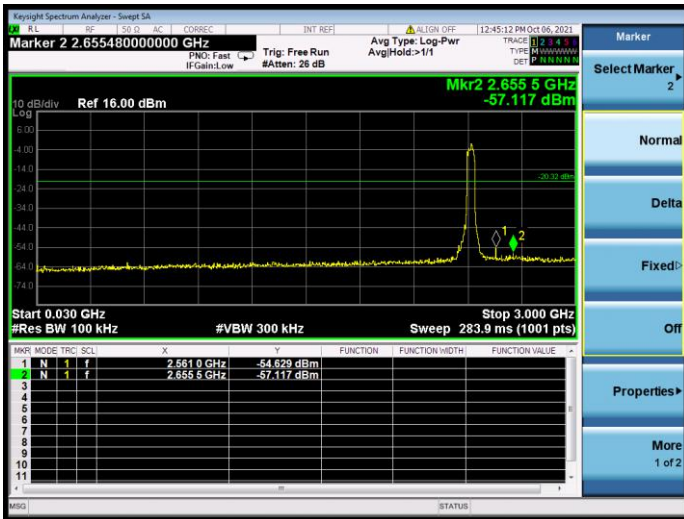
802.11n-20 HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



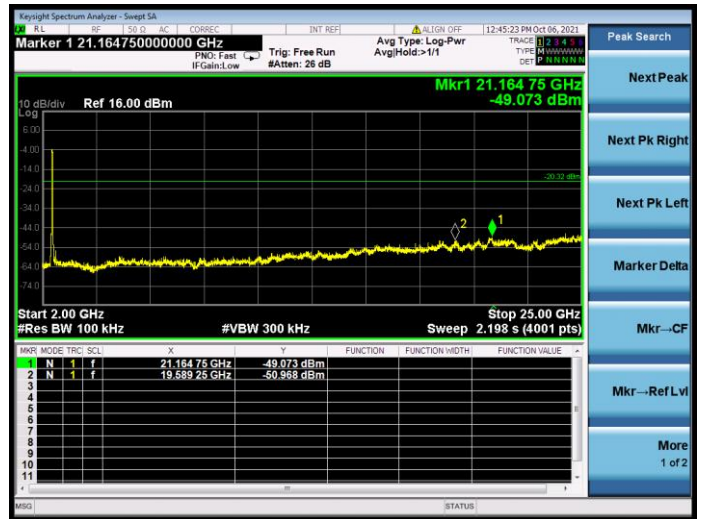
802.11n-40 LOW CHANNEL CARRIER LEVEL



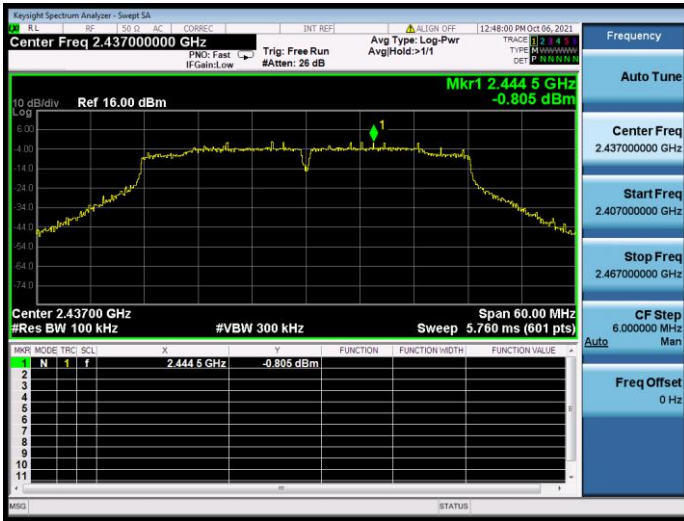
802.11n-40 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



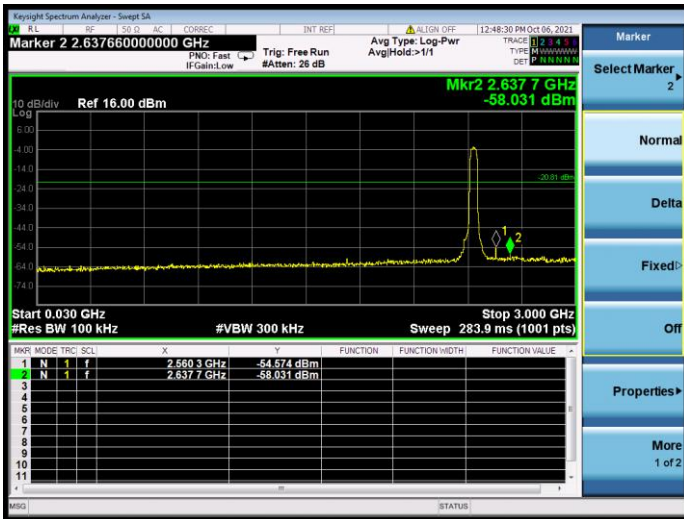
802.11n-40 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



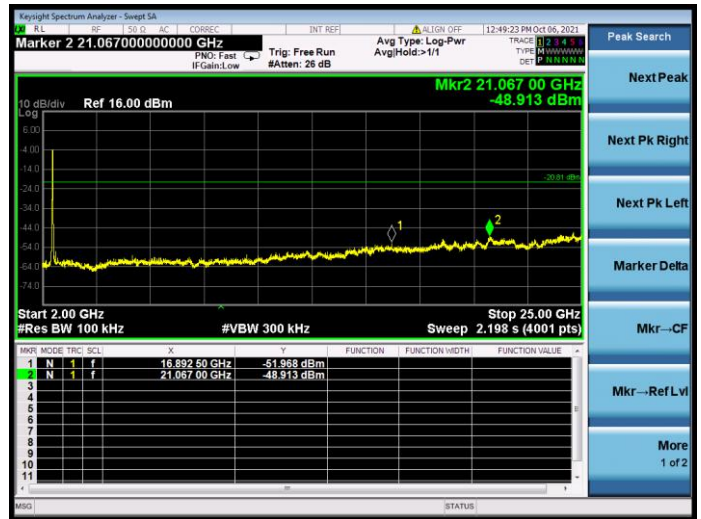
802.11n-40 MIDDLE CHANNEL CARRIER LEVEL



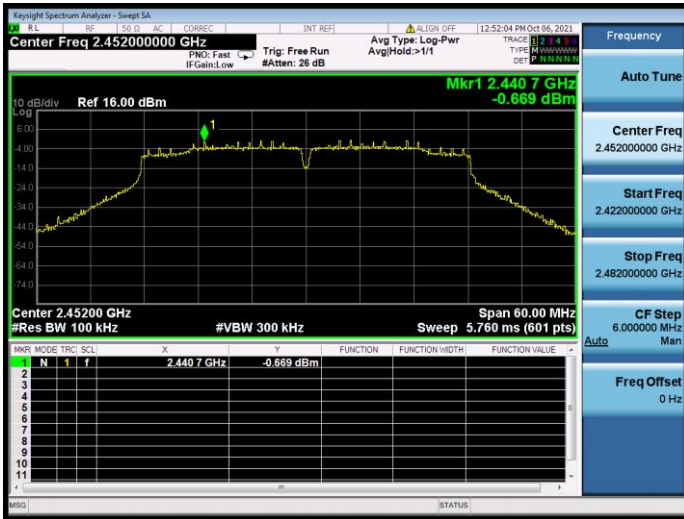
802.11n-40 MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



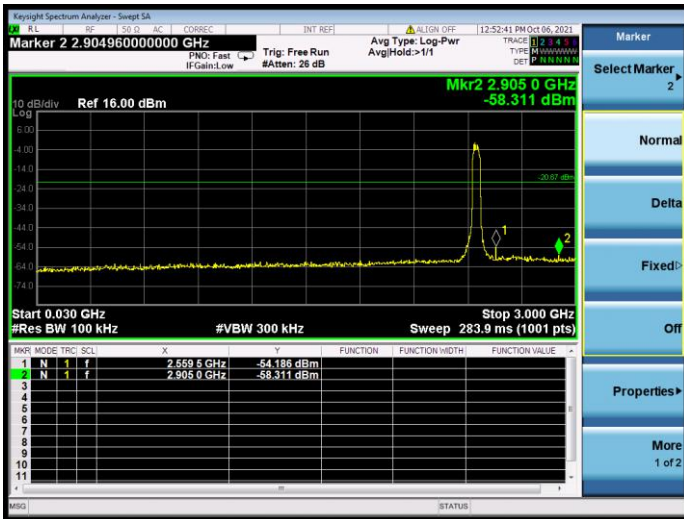
802.11n-40 MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



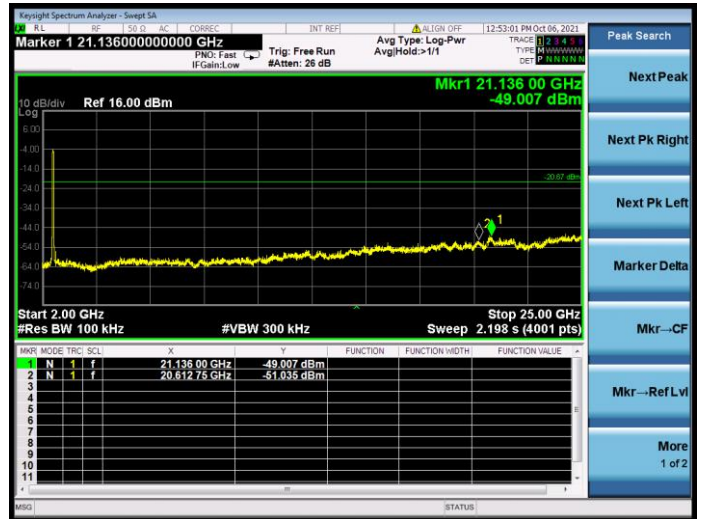
802.11n-40 HIGH CHANNEL CARRIER LEVEL



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

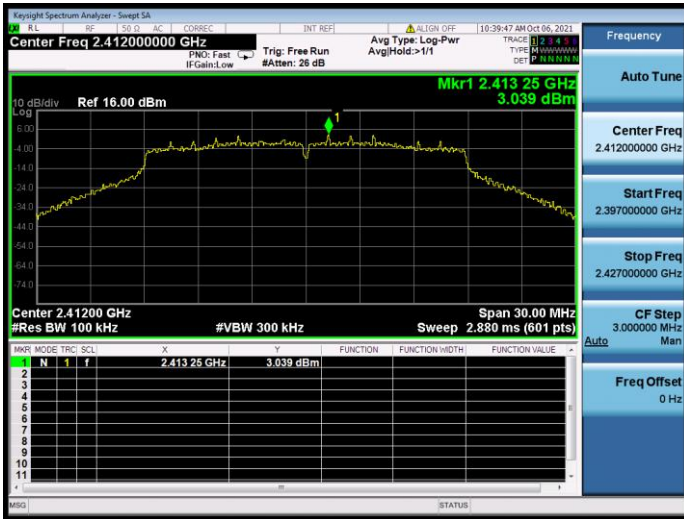


802.11n-40 HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



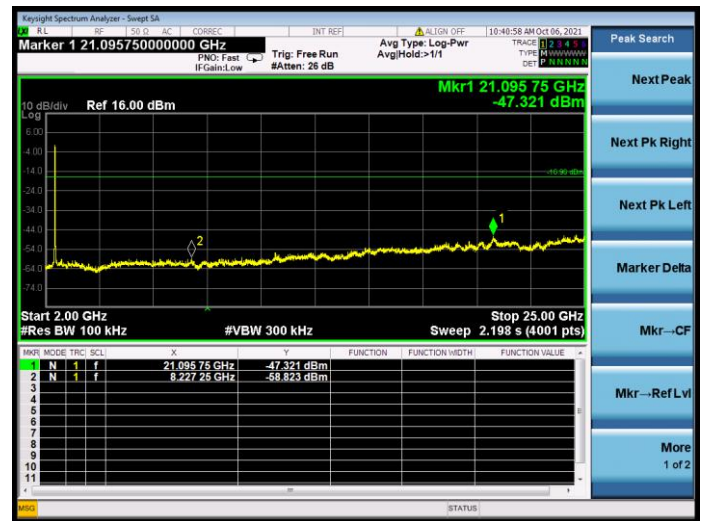
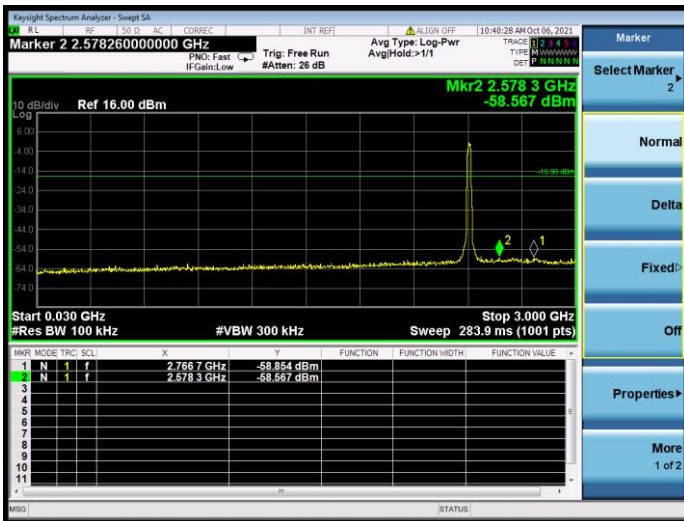
MIMO-Aux. Antenna

802.11n-20 LOW CHANNEL CARRIER LEVEL

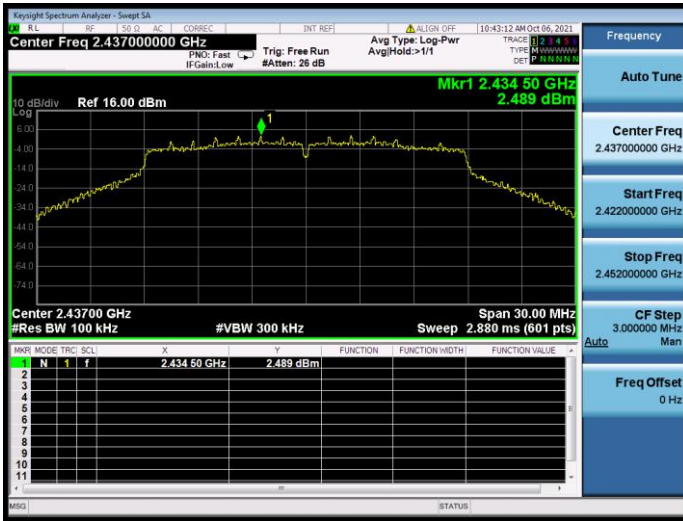


802.11n-20 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

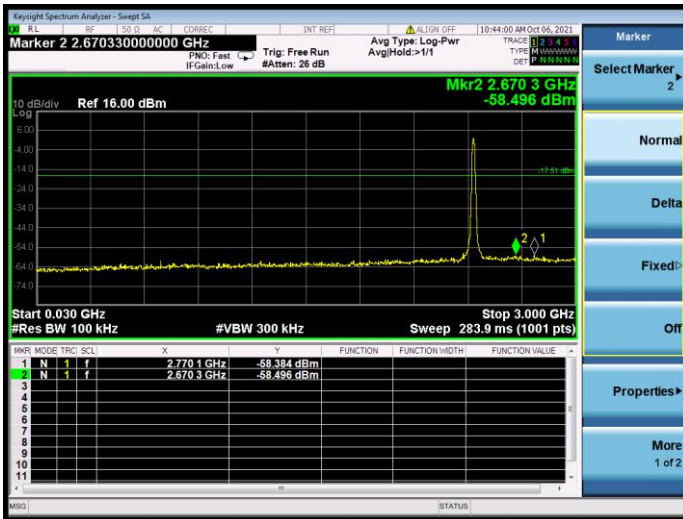
802.11n-20 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



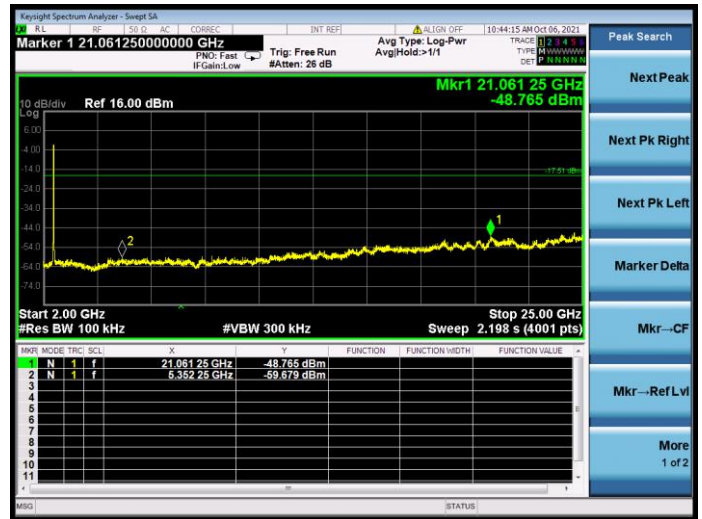
802.11n-20 MIDDLE CHANNEL CARRIER LEVEL



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



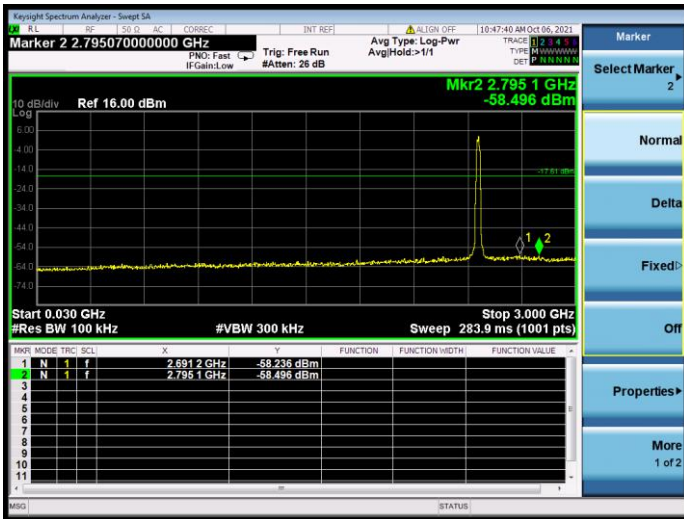
802.11n-20 MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



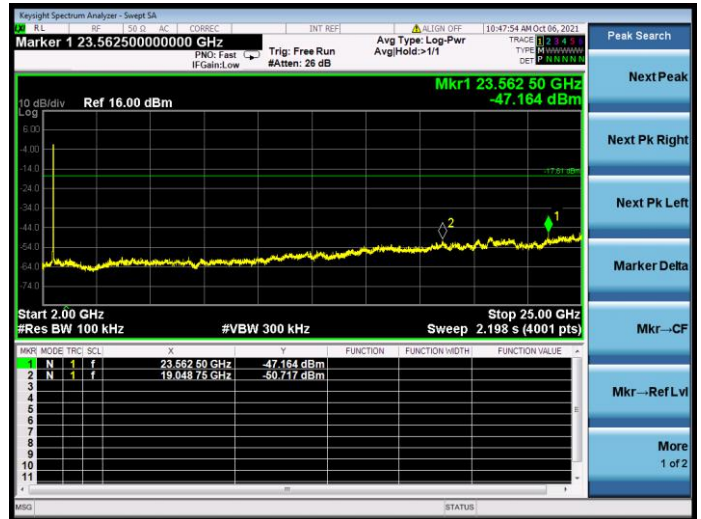
802.11n-20 HIGH CHANNEL CARRIER LEVEL



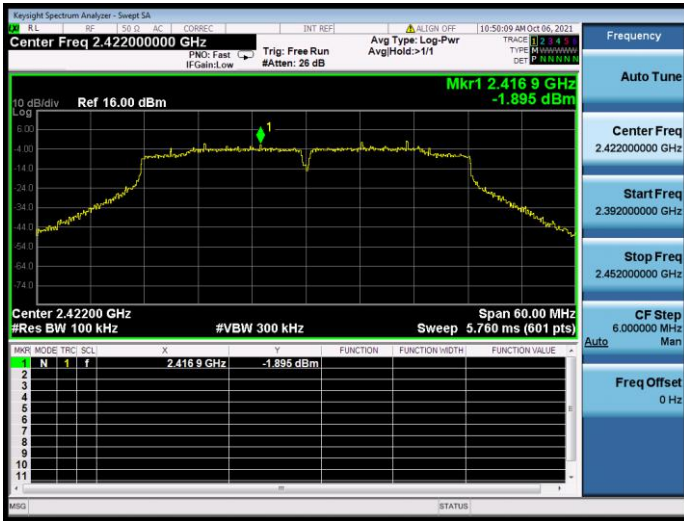
802.11n-20 HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



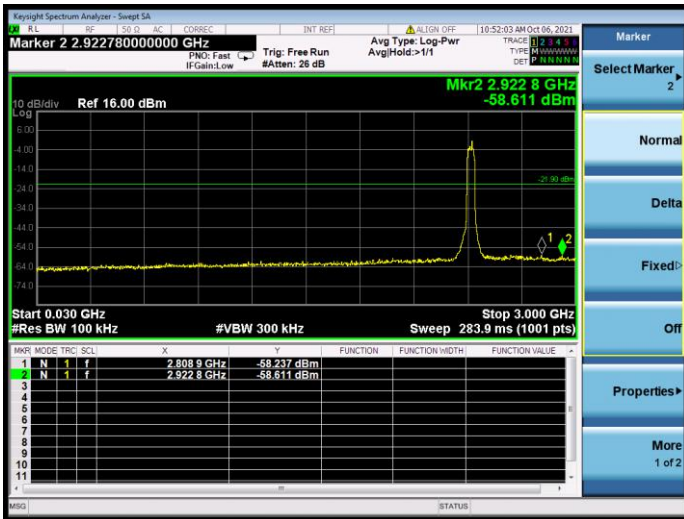
802.11n-20 HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



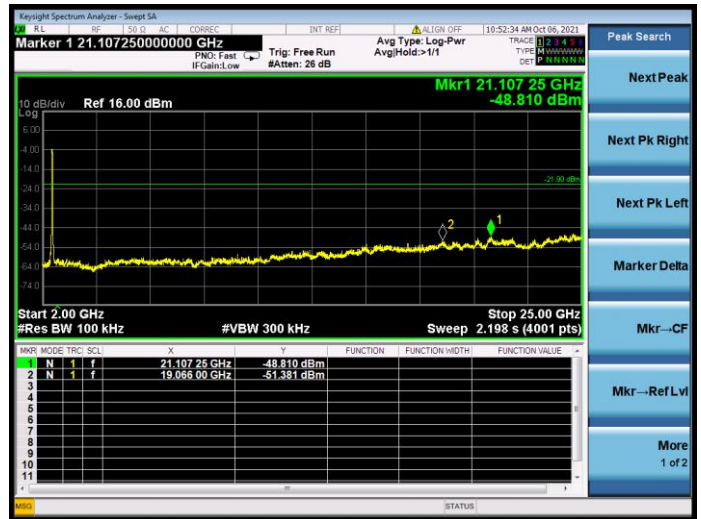
802.11n-40 LOW CHANNEL CARRIER LEVEL



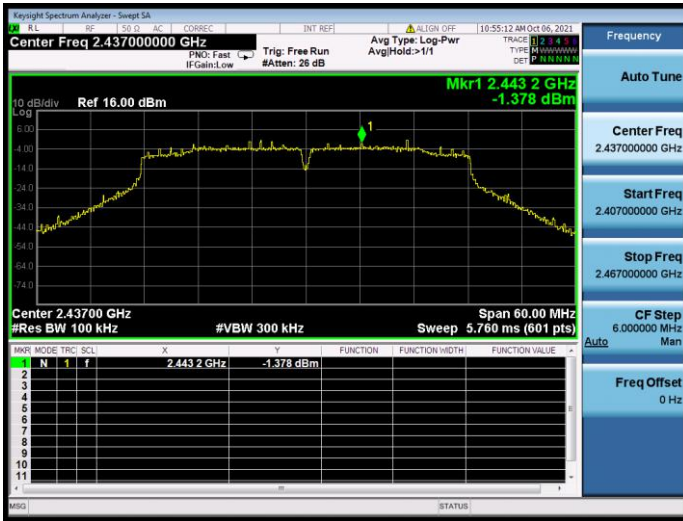
802.11n-40 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



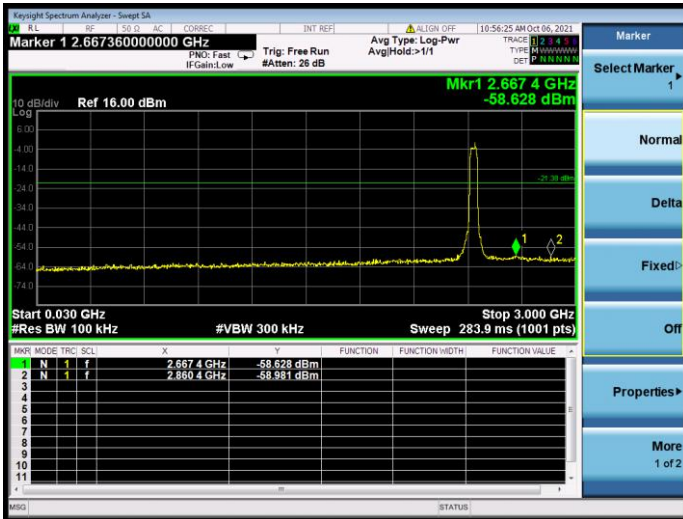
802.11n-40 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



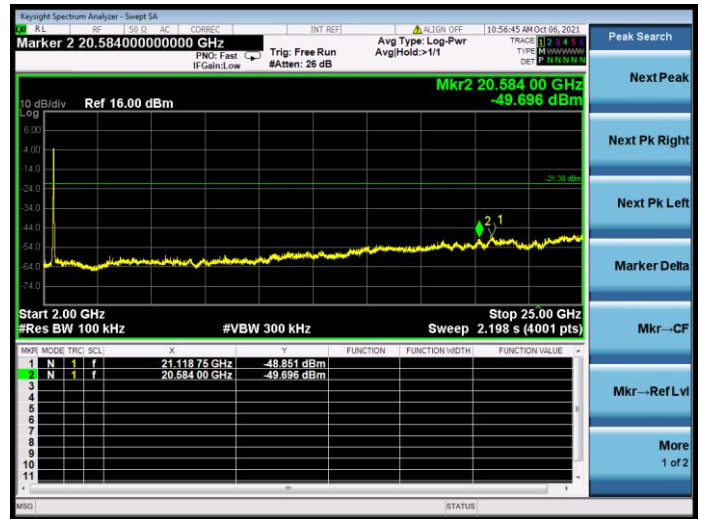
802.11n-40 MIDDLE CHANNEL CARRIER LEVEL



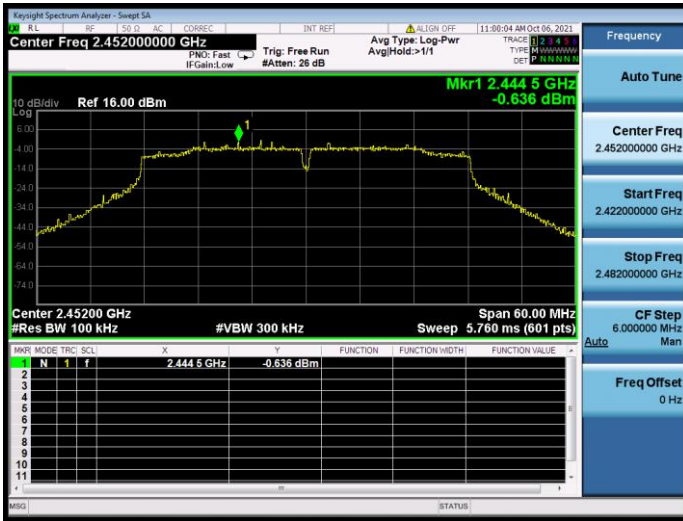
802.11n-40 MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



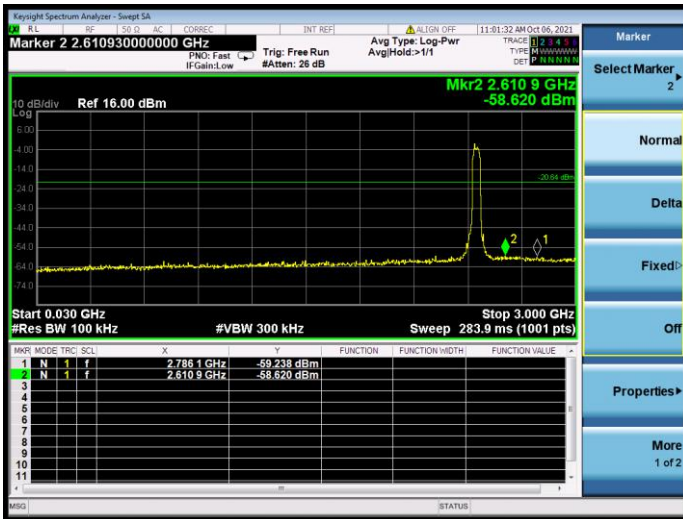
802.11n-40 MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



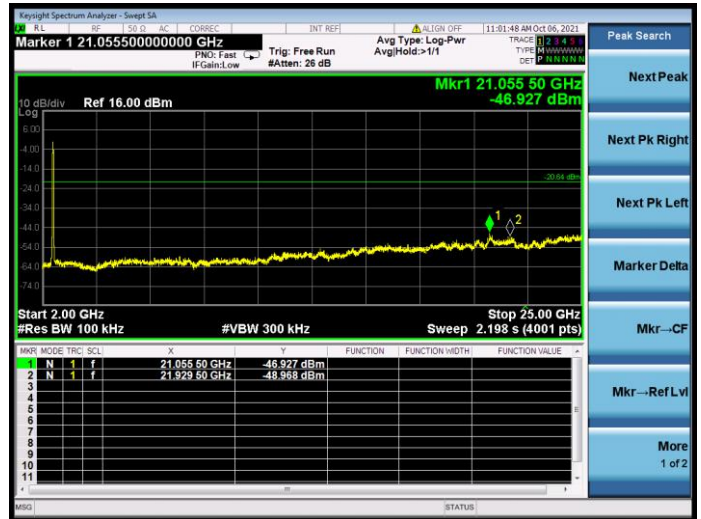
802.11n-40 HIGH CHANNEL CARRIER LEVEL



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



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



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

Test Data

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

Main Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-55.83	5.15	-14.85	Pass
High Channel	-56.87	4.99	-15.01	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-29.02	3.46	-16.54	Pass
High Channel	-54.76	3.84	-16.16	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-28.23	3.09	-16.91	Pass
High Channel	-54.17	2.94	-17.06	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-31.38	-0.46	-20.46	Pass
High Channel	-50.07	-0.16	-20.16	Pass

Aux. Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-55.93	4.98	-15.02	Pass
High Channel	-56.52	4.99	-15.01	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-29.24	3.35	-16.65	Pass
High Channel	-53.93	3.64	-16.36	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-28.49	3.79	-16.21	Pass
High Channel	-53.91	4.00	-16.00	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-31.25	-0.15	-20.15	Pass
High Channel	-50.43	-1.06	-21.06	Pass

MIMO-Main Antenna

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-28.29	3.97	-16.03	Pass
High Channel	-54.15	2.54	-17.46	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-31.35	-0.32	-20.32	Pass
High Channel	-50.04	-0.67	-20.67	Pass

MIMO-Aux. Antenna

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-29.63	3.04	-16.96	Pass
High Channel	-53.96	2.39	-17.61	Pass

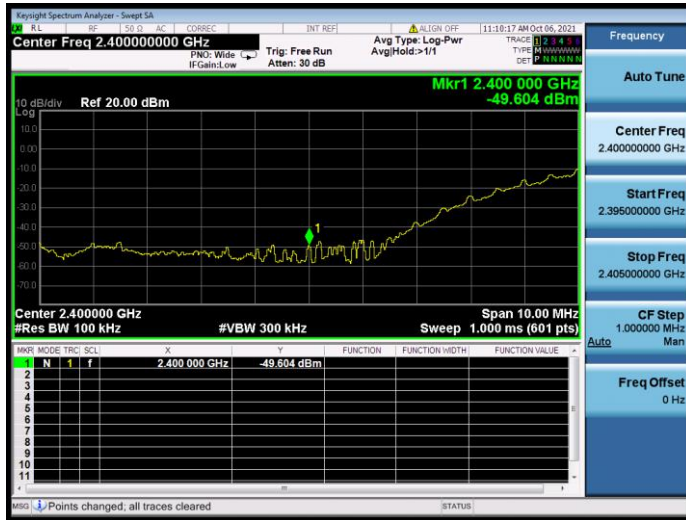
802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-32.64	-1.90	-21.90	Pass
High Channel	-50.37	-0.64	-20.64	Pass

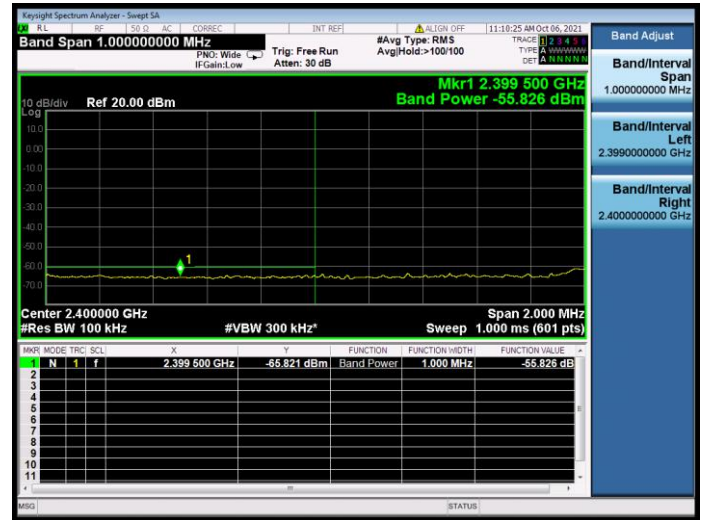
Test Plots

Main Antenna

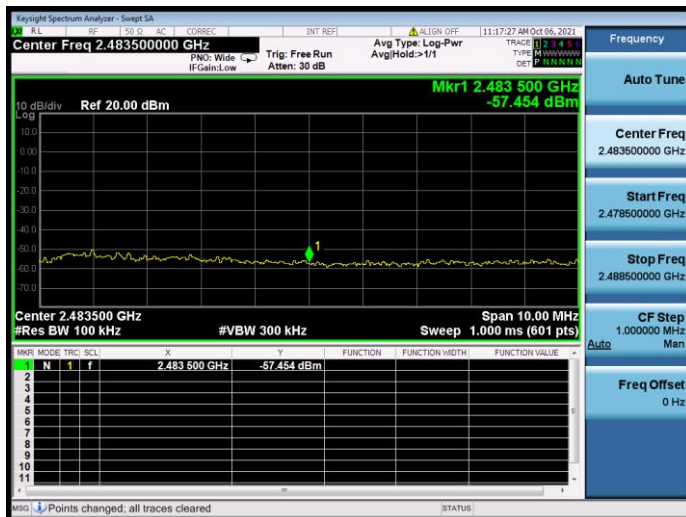
802.11b LOW CHANNEL, Carrier level



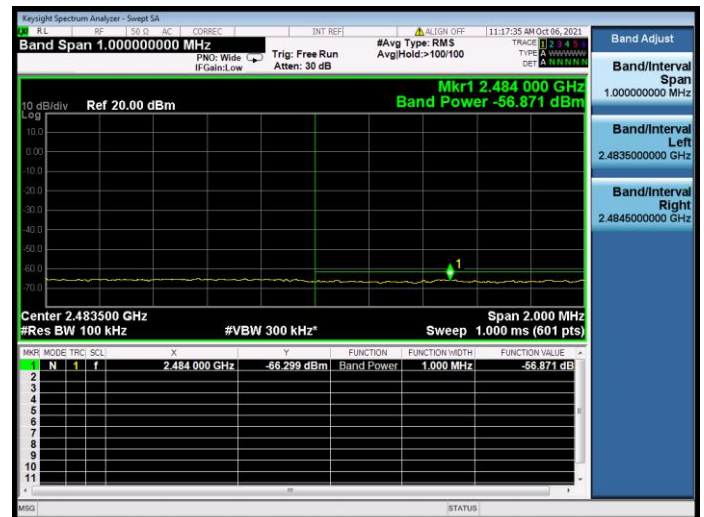
802.11b LOW CHANNEL, Reference level



802.11b HIGH CHANNEL, Carrier level



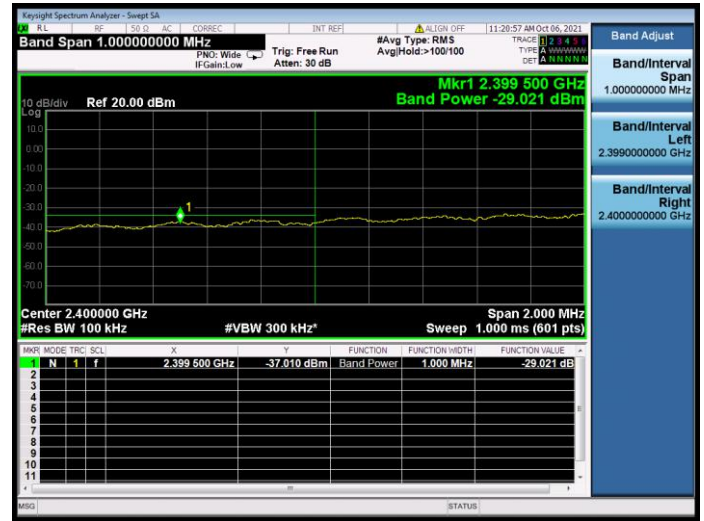
802.11b HIGH CHANNEL, Reference level



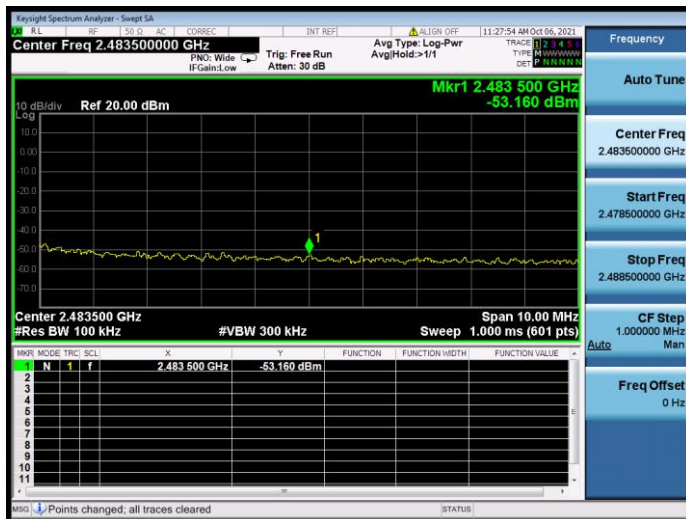
802.11g LOW CHANNEL, Carrier level



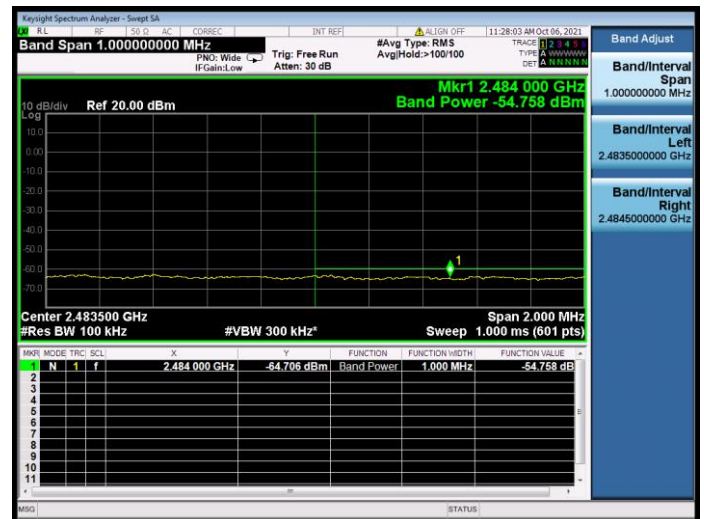
802.11g LOW CHANNEL, Reference level



802.11g HIGH CHANNEL, Carrier level



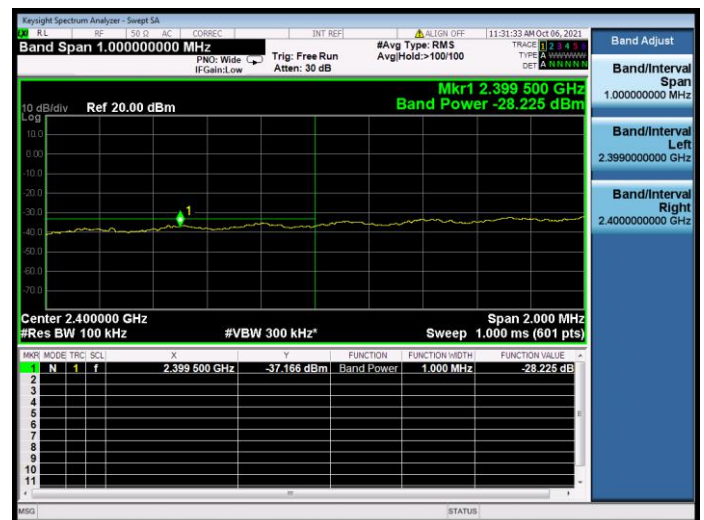
802.11g HIGH CHANNEL, Reference level



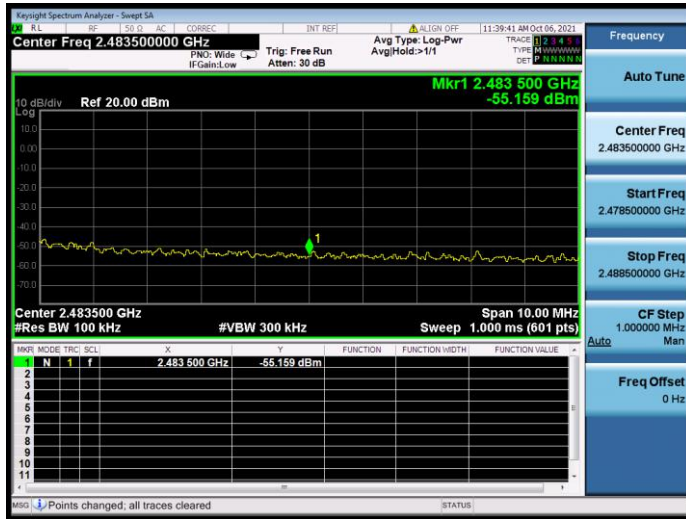
802.11n-20 MHz LOW CHANNEL, Carrier level



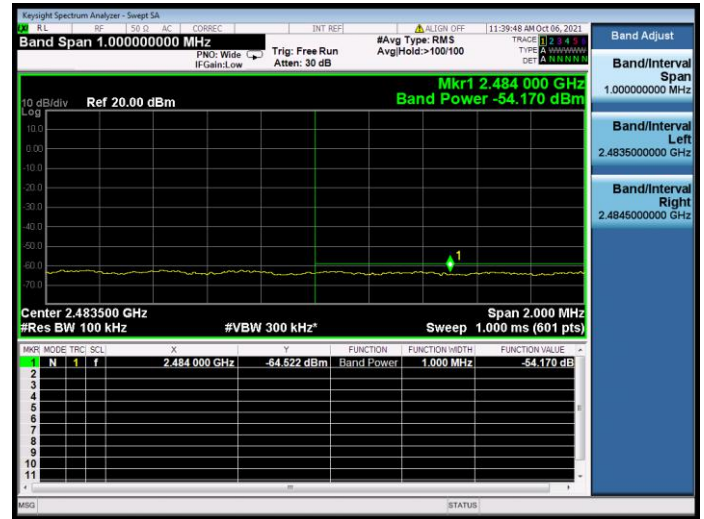
802.11n-20 MHz LOW CHANNEL, Reference level



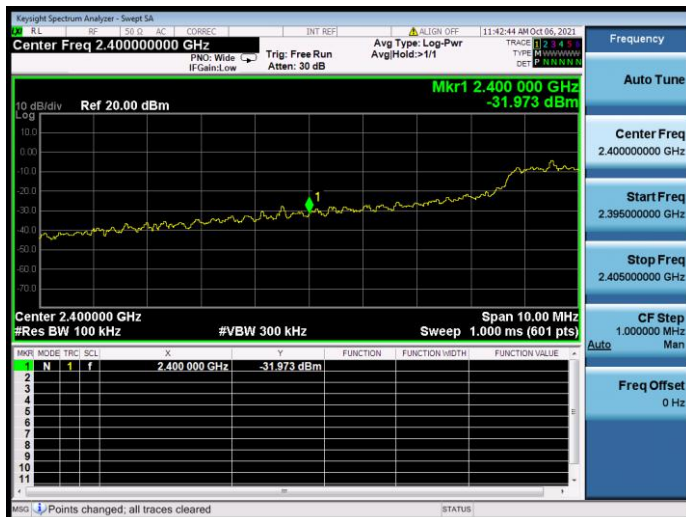
802.11n-20 MHz HIGH CHANNEL, Carrier level



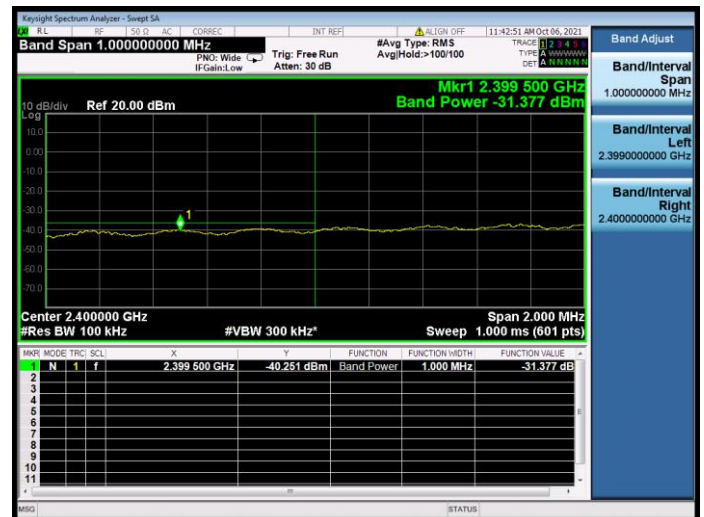
802.11n-20 MHz HIGH CHANNEL, Reference level



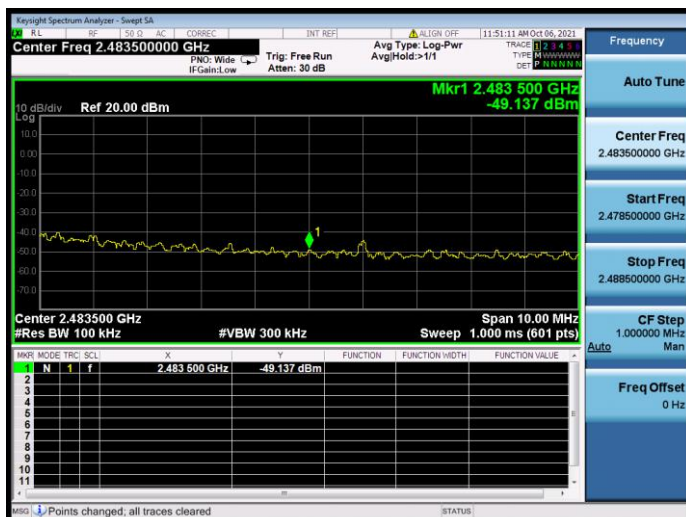
802.11n-40 MHz LOW CHANNEL, Carrier level



802.11n-40 MHz LOW CHANNEL, Reference level



802.11n-40 MHz HIGH CHANNEL, Carrier level

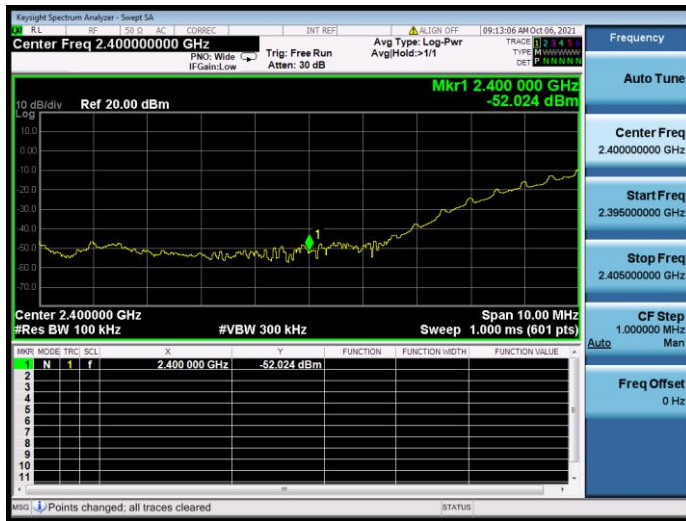


802.11n-40 MHz HIGH CHANNEL, Reference level

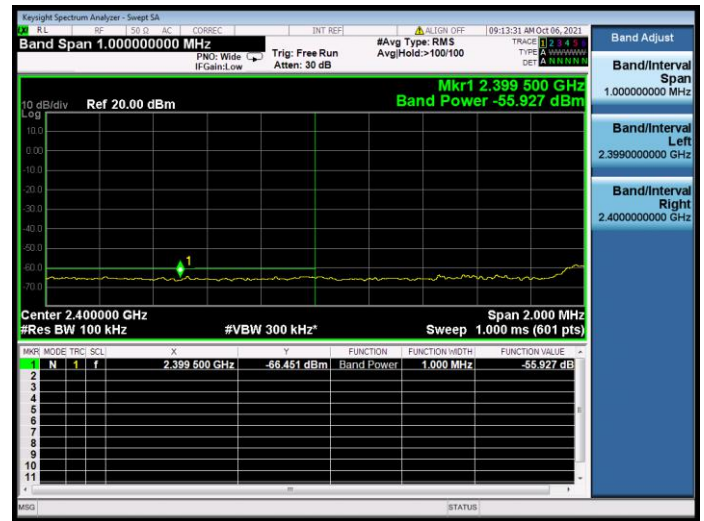


Aux. Antenna

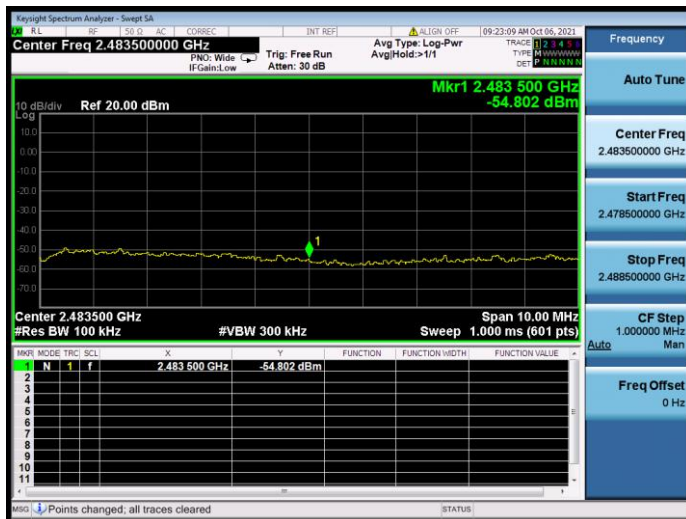
802.11b LOW CHANNEL, Carrier level



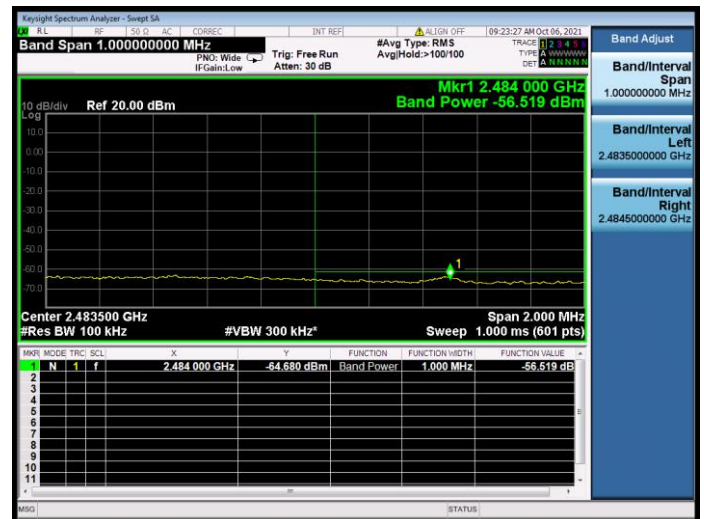
802.11b LOW CHANNEL, Reference level



802.11b HIGH CHANNEL, Carrier level



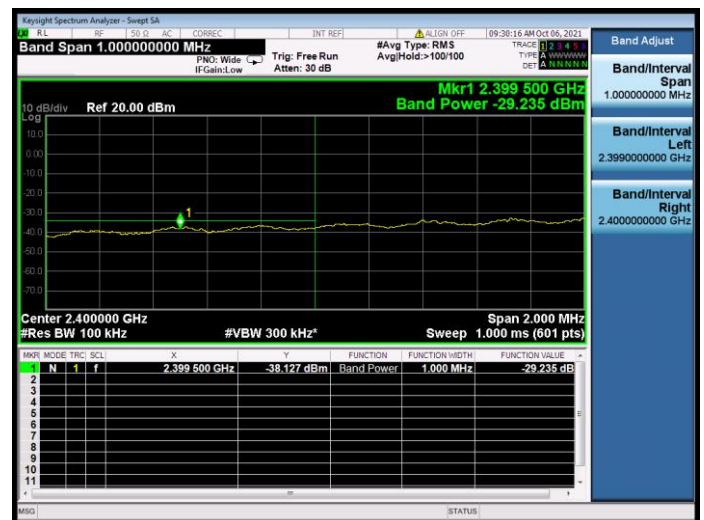
802.11b HIGH CHANNEL, Reference level



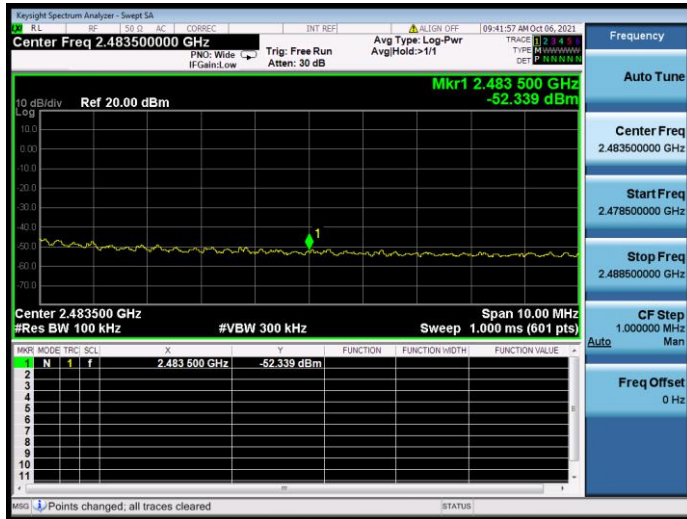
802.11g LOW CHANNEL, Carrier level



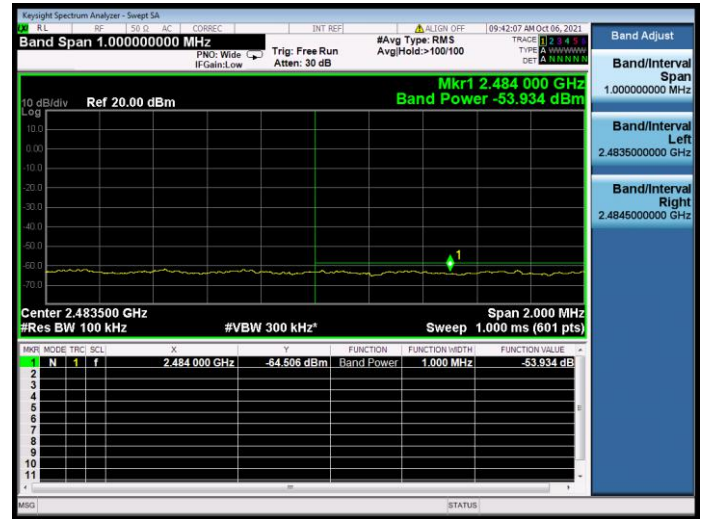
802.11g LOW CHANNEL, Reference level



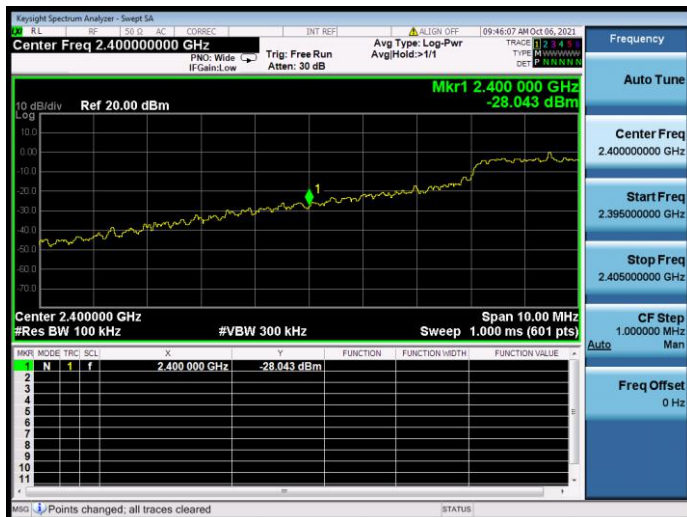
802.11g HIGH CHANNEL, Carrier level



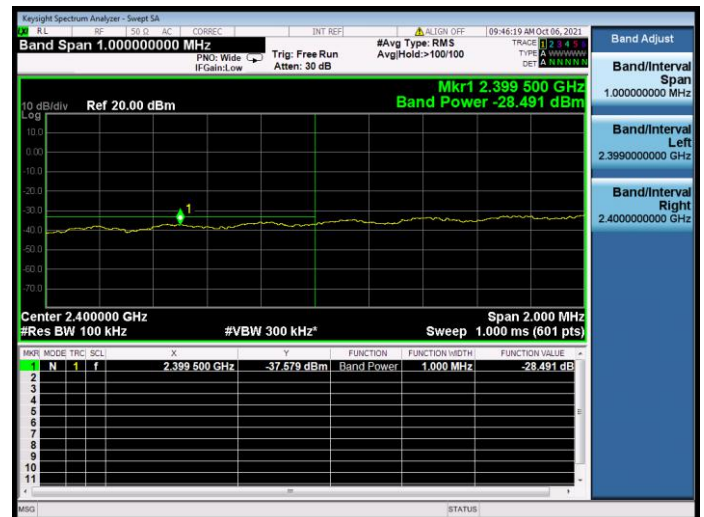
802.11g HIGH CHANNEL, Reference level



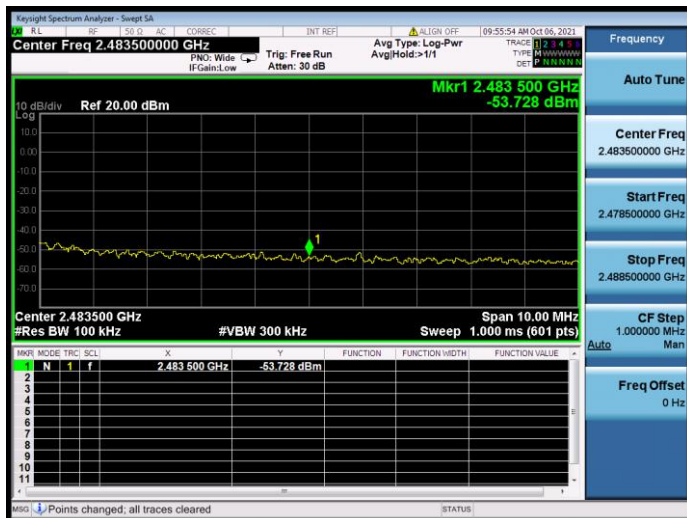
802.11n-20 MHz LOW CHANNEL, Carrier level



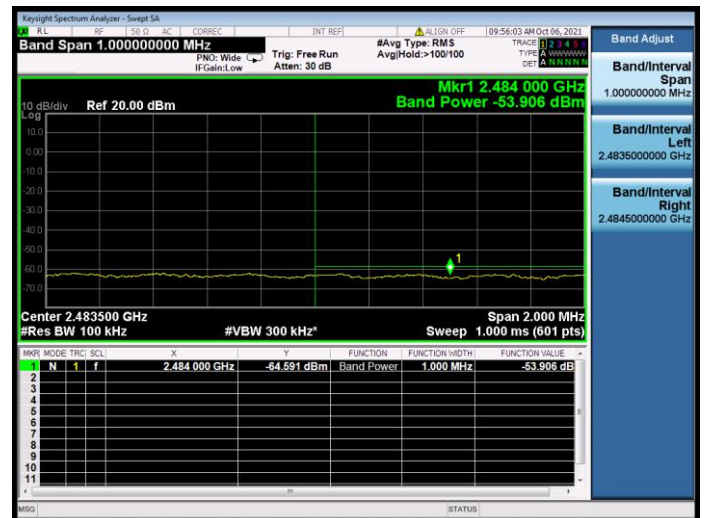
802.11n-20 MHz LOW CHANNEL, Reference level



802.11n-20 MHz HIGH CHANNEL, Carrier level



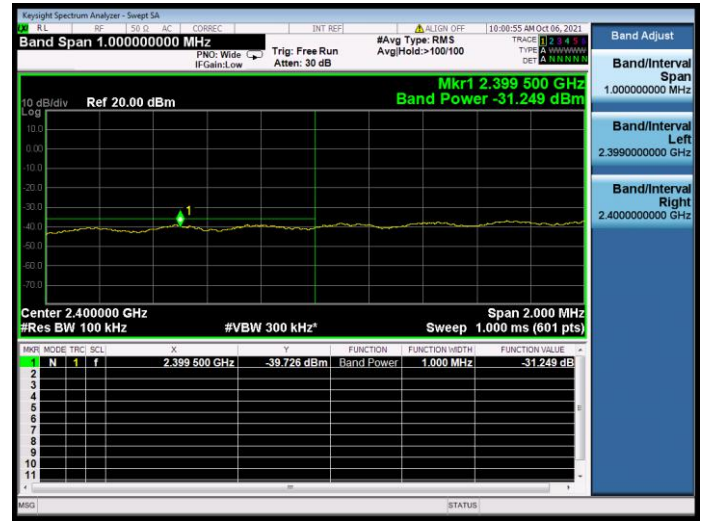
802.11n-20 MHz HIGH CHANNEL, Reference level



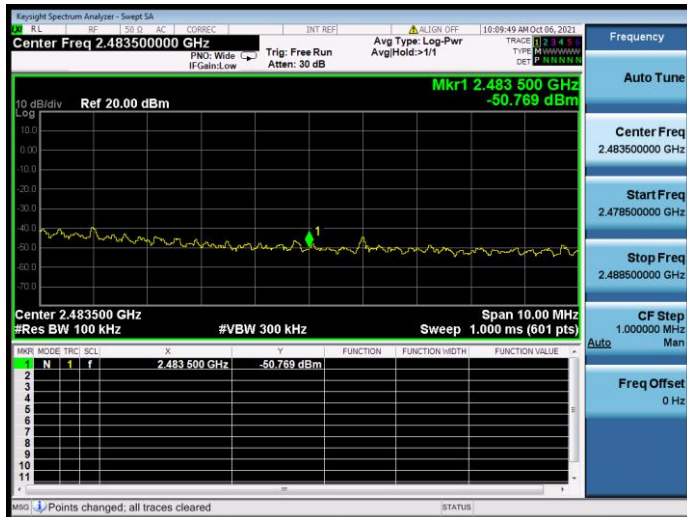
802.11n-40 MHz LOW CHANNEL, Carrier level



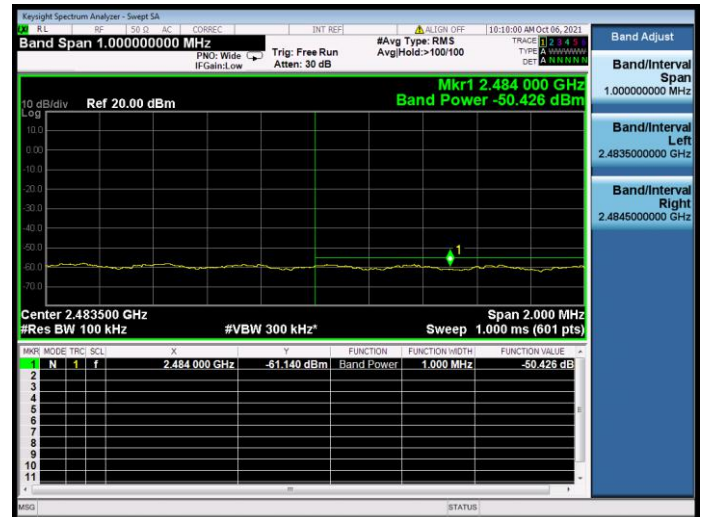
802.11n-40 MHz LOW CHANNEL, Reference level



802.11n-40 MHz HIGH CHANNEL, Carrier level



802.11n-40 MHz HIGH CHANNEL, Reference level

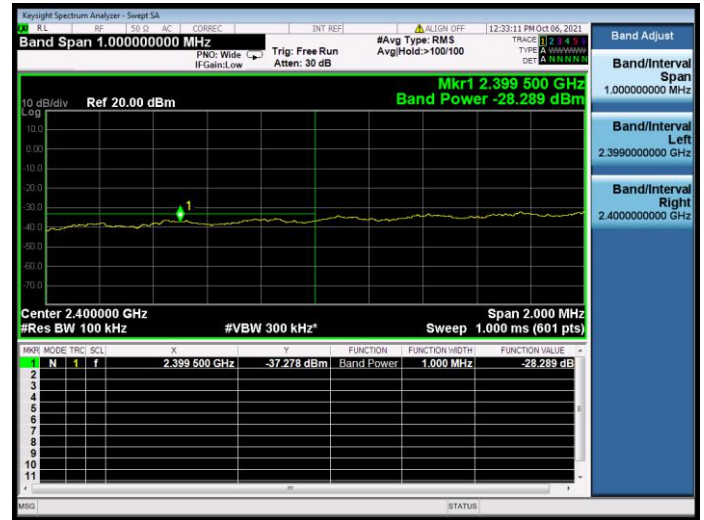


MIMO-Main Antenna

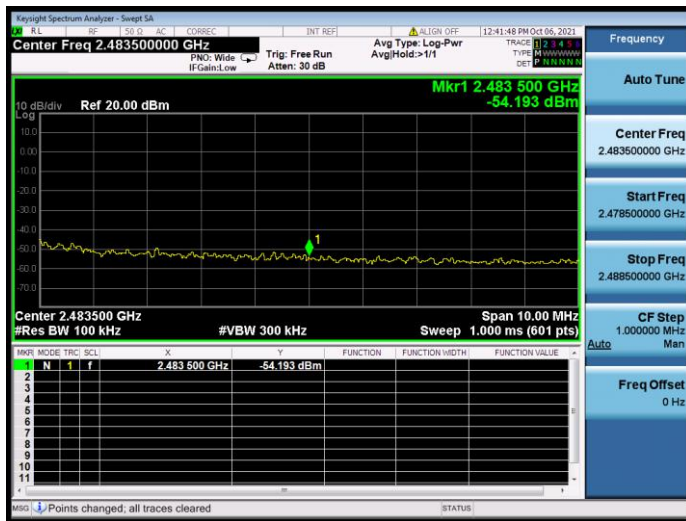
802.11n-20 MHz LOW CHANNEL, Carrier level



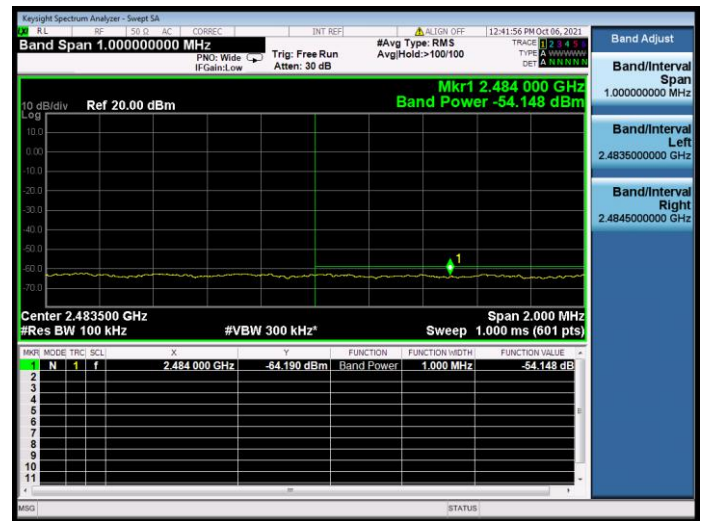
802.11n-20 MHz LOW CHANNEL, Reference level



802.11n-20 MHz HIGH CHANNEL, Carrier level



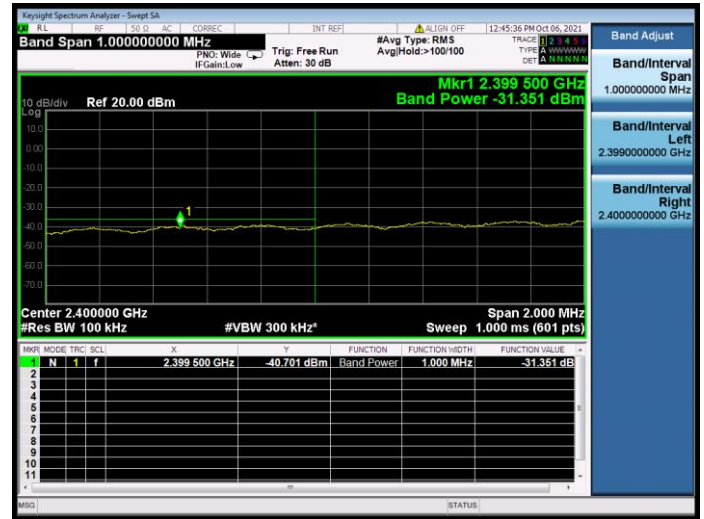
802.11n-20 MHz HIGH CHANNEL, Reference level



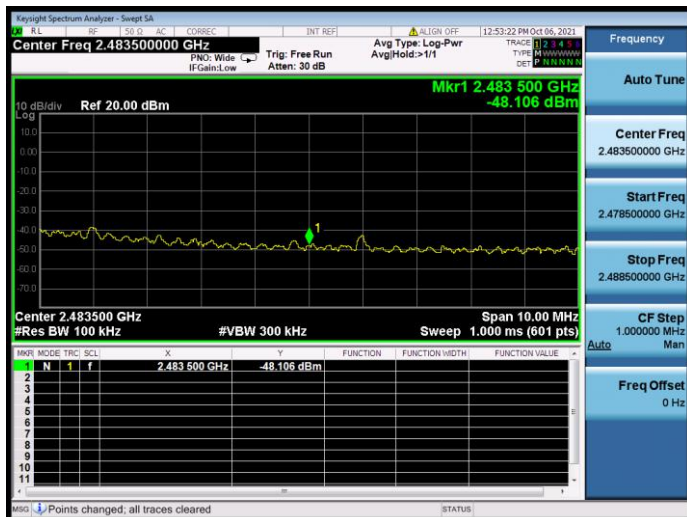
802.11n-40 MHz LOW CHANNEL, Carrier level



802.11n-40 MHz LOW CHANNEL, Reference level



802.11n-40 MHz HIGH CHANNEL, Carrier level



802.11n-40 MHz HIGH CHANNEL, Reference level

