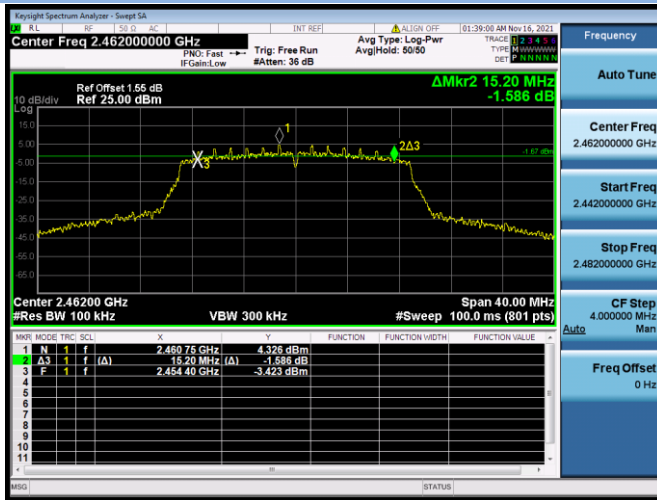
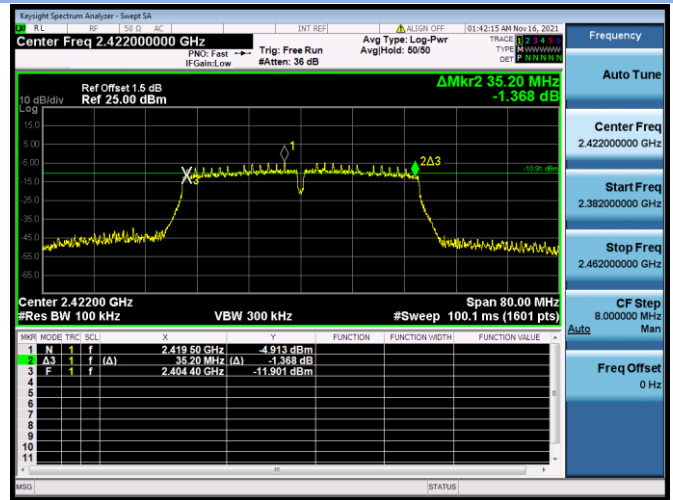


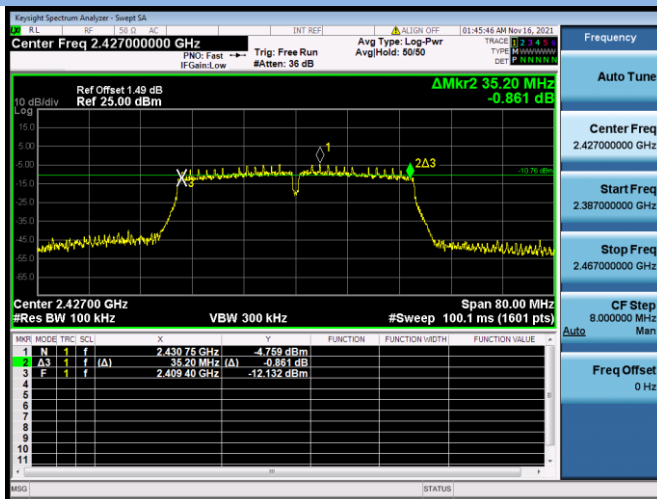
802.11n-20 MHz CHANNEL 11



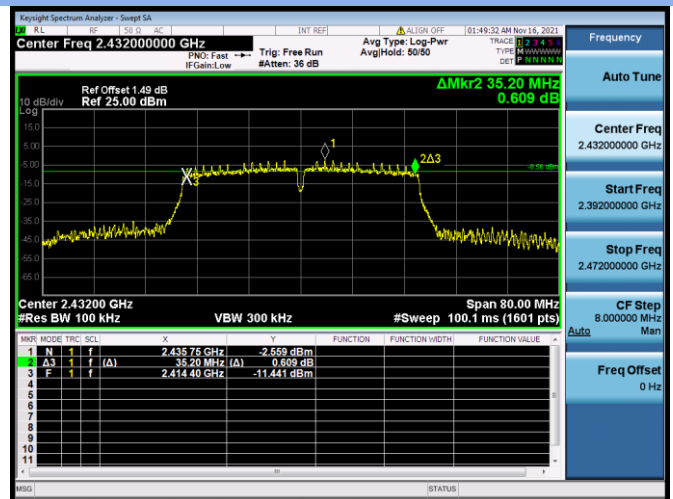
802.11n-40 MHz CHANNEL 3



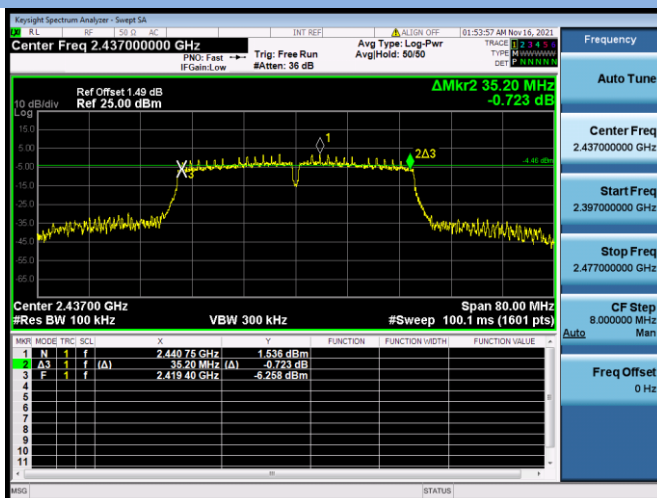
802.11n-40 MHz CHANNEL 4



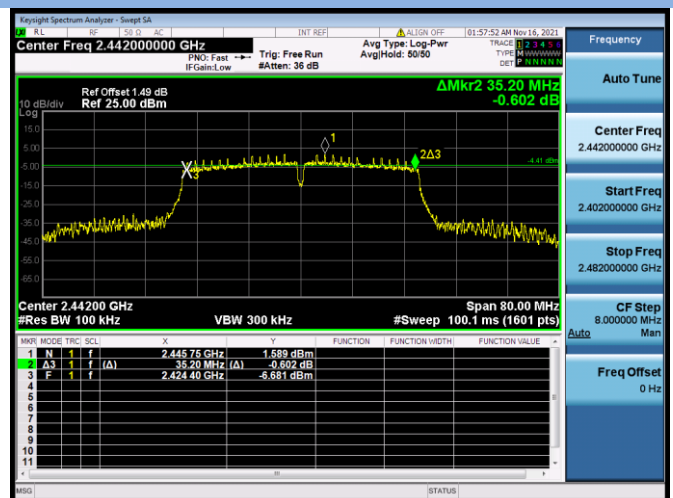
802.11n-40 MHz CHANNEL 5



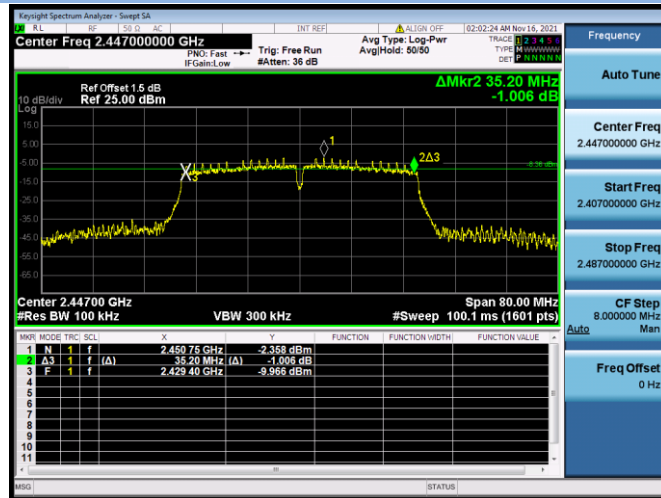
802.11n-40 MHz CHANNEL 6



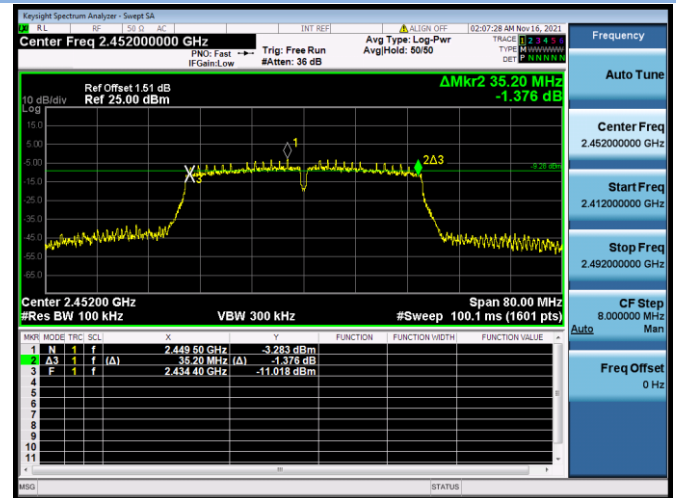
802.11n-40 MHz CHANNEL 7



802.11n-40 MHz CHANNEL 8



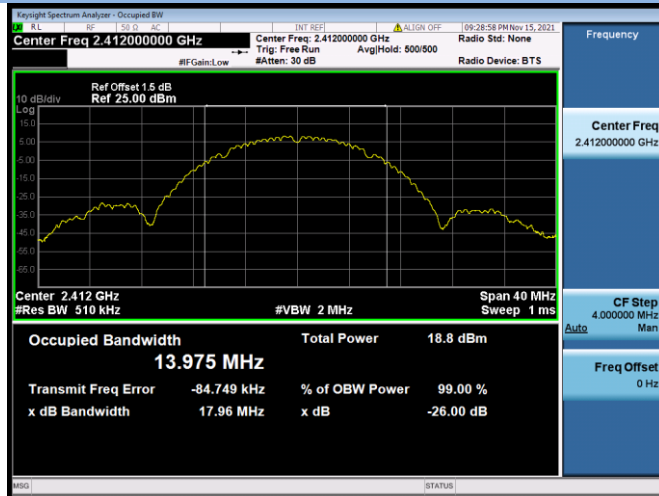
802.11n-40 MHz CHANNEL 9



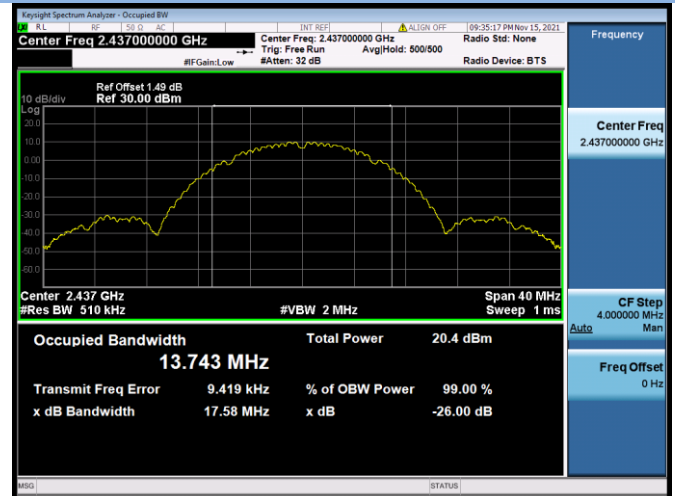
Main Antenna

99% Bandwidth

802.11b CHANNEL 1



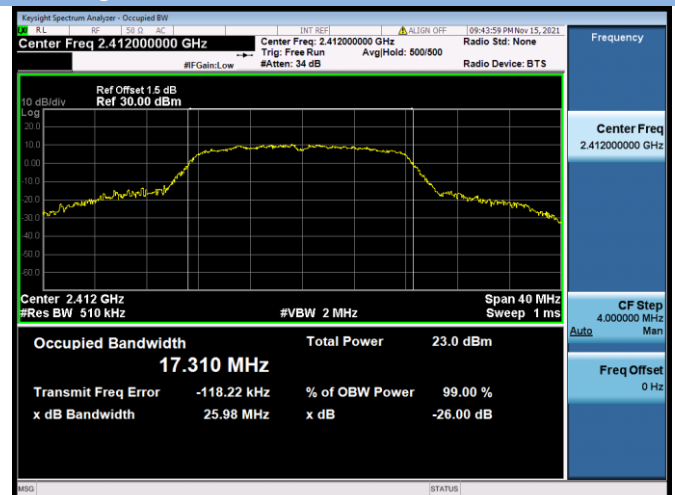
802.11b CHANNEL 6



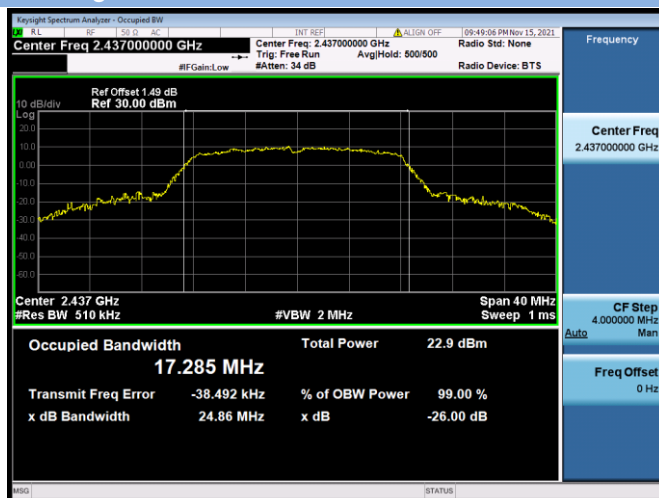
802.11b CHANNEL 11



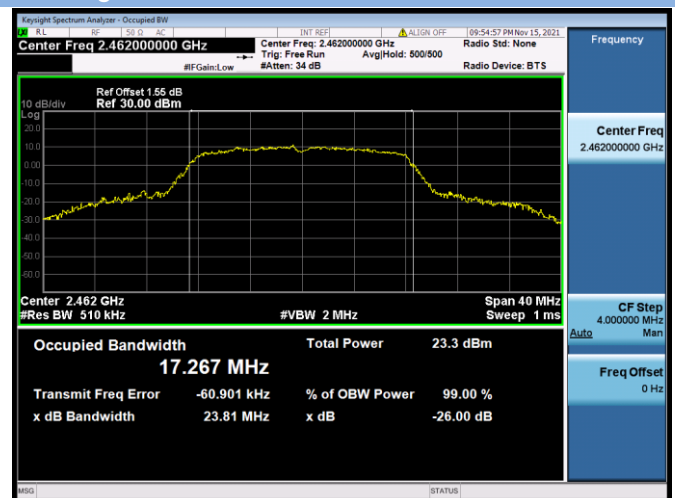
802.11g CHANNEL 1



802.11g CHANNEL 6



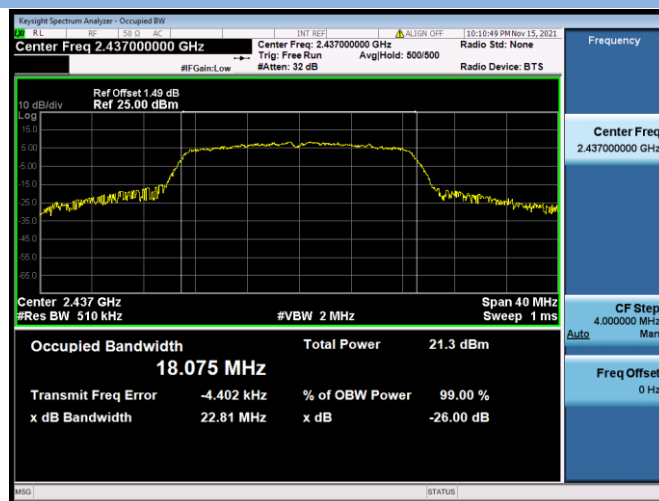
802.11g CHANNEL 11



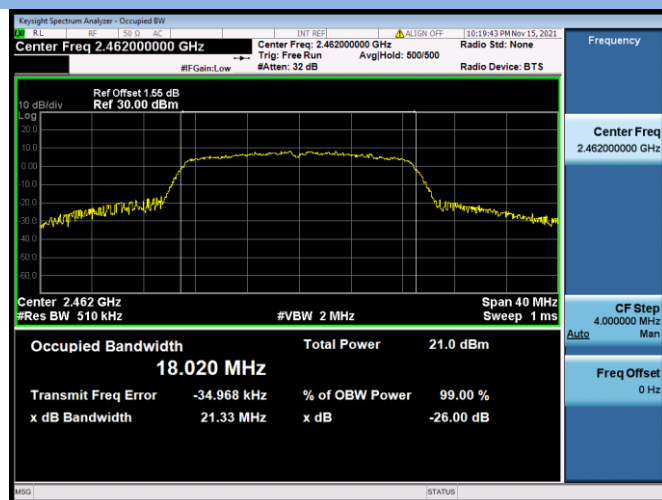
802.11n-20 MHz CHANNEL 1



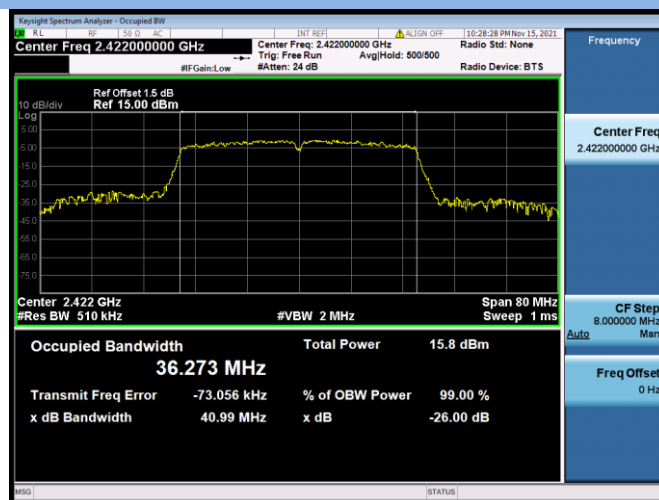
802.11 n-20 MHz CHANNEL 6



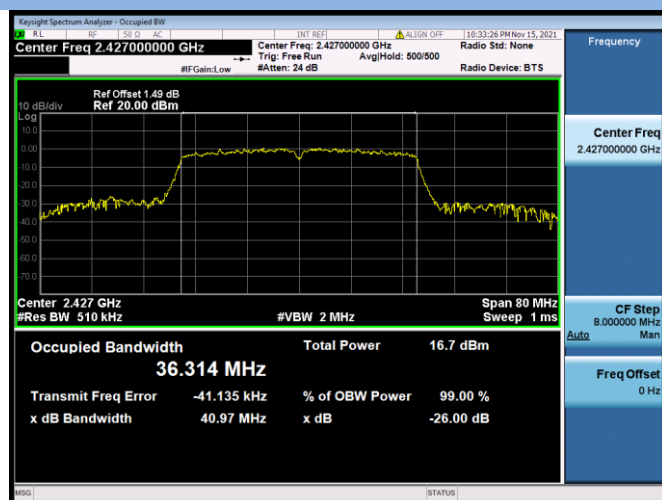
802.11n-20 MHz CHANNEL 11



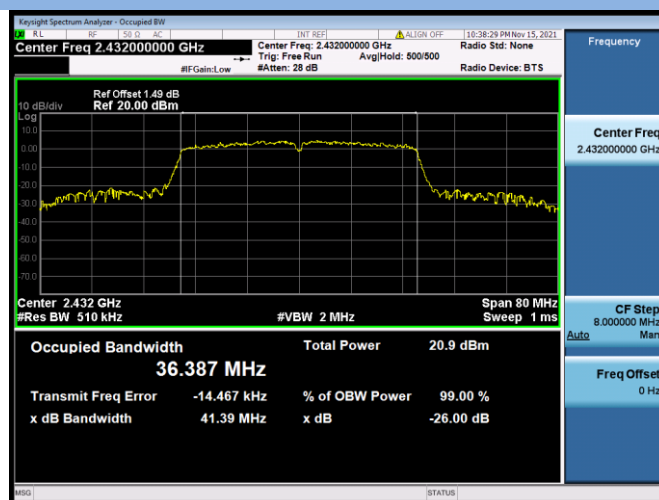
802.11n-40 MHz CHANNEL 3



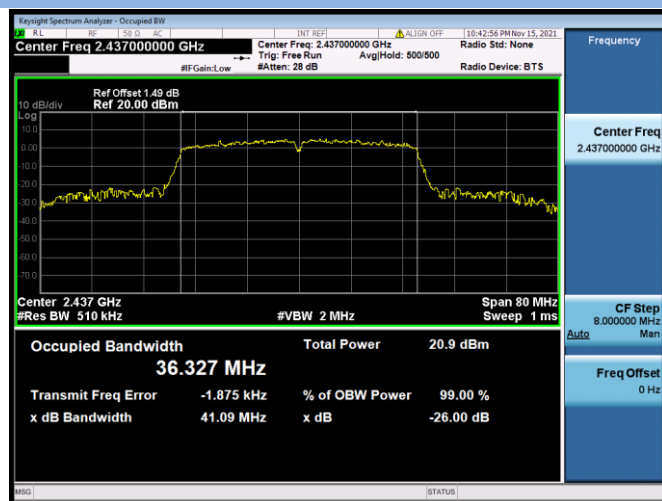
802.11n-40 MHz CHANNEL 4



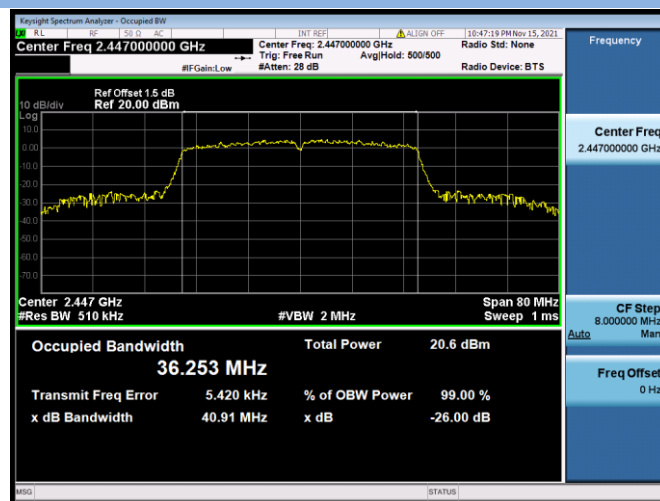
802.11n-40 MHz CHANNEL 5



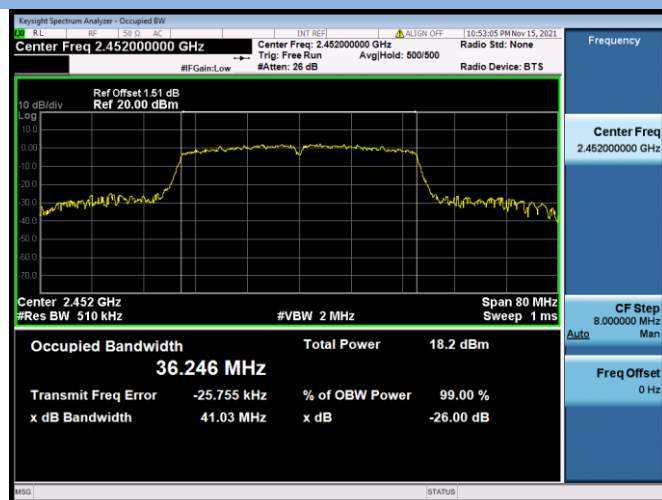
802.11n-40 MHz CHANNEL 6



802.11n-40 MHz CHANNEL 8



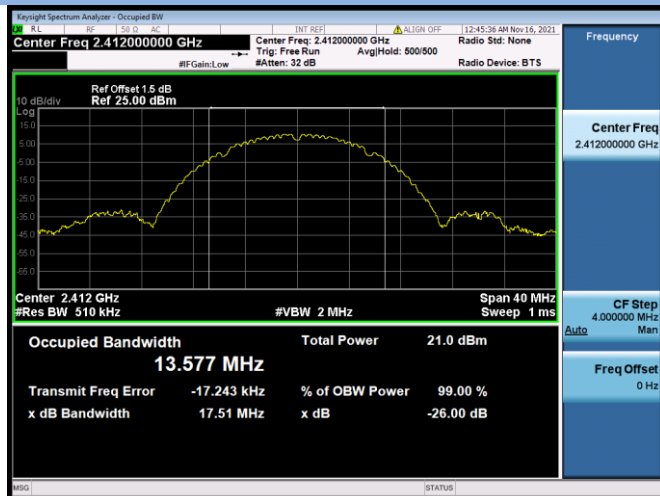
802.11n-40 MHz CHANNEL 9



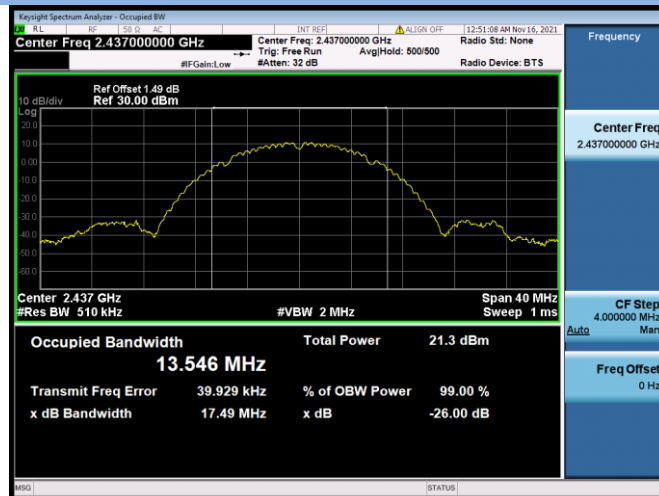
Aux. Antenna

99% Bandwidth

802.11b CHANNEL 1



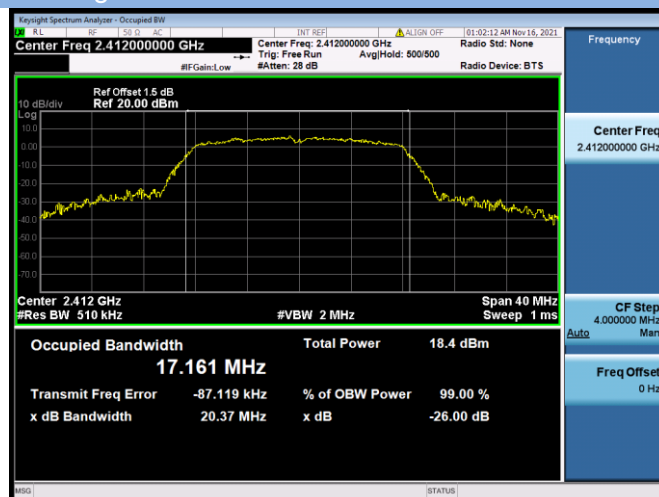
802.11b CHANNEL 6



802.11b CHANNEL 11



802.11g CHANNEL 1



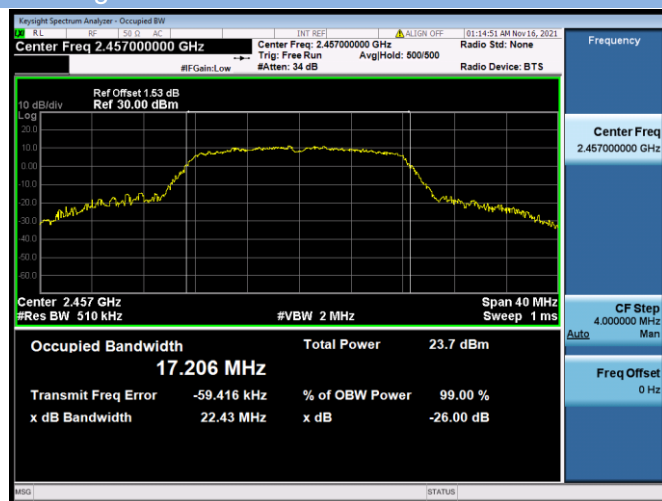
802.11g CHANNEL 2



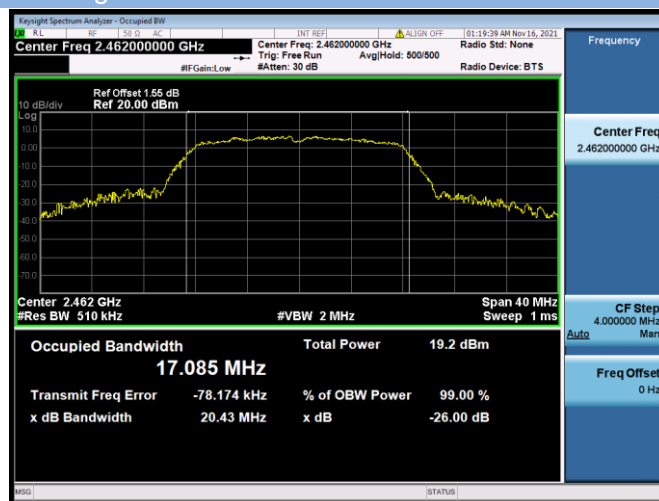
802.11g CHANNEL 6



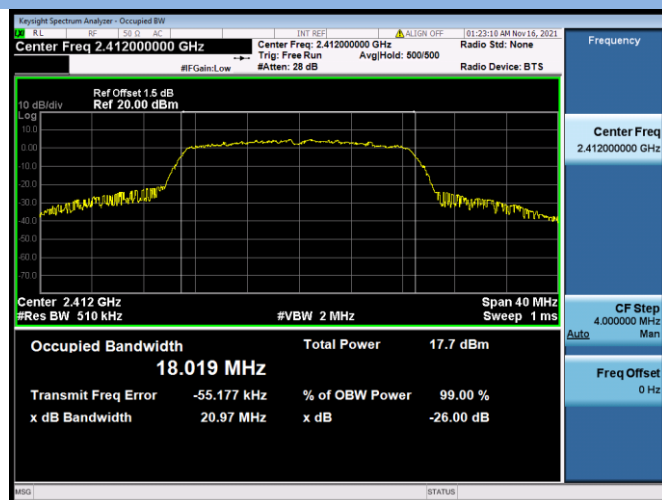
802.11g CHANNEL 10



802.11g CHANNEL 11



802.11n-20 MHz CHANNEL 1



802.11 n-20 MHz CHANNEL 2



802.11n-20 MHz CHANNEL 6



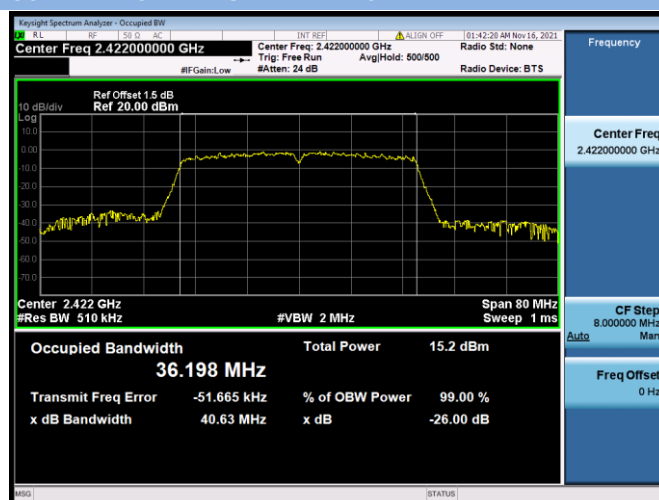
802.11 n-20 MHz CHANNEL 10



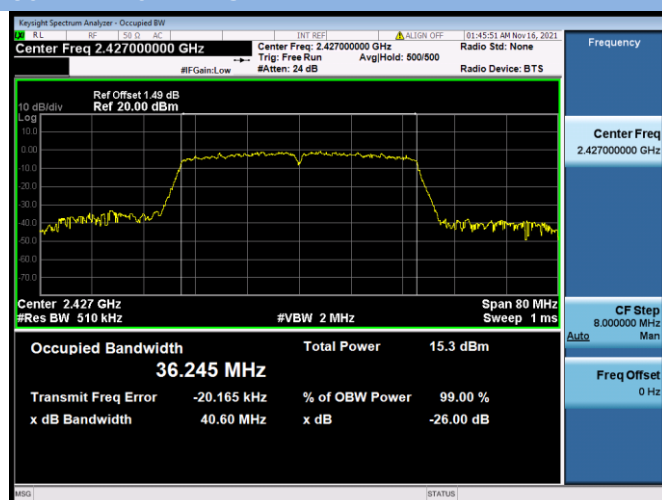
802.11n-20 MHz CHANNEL 11



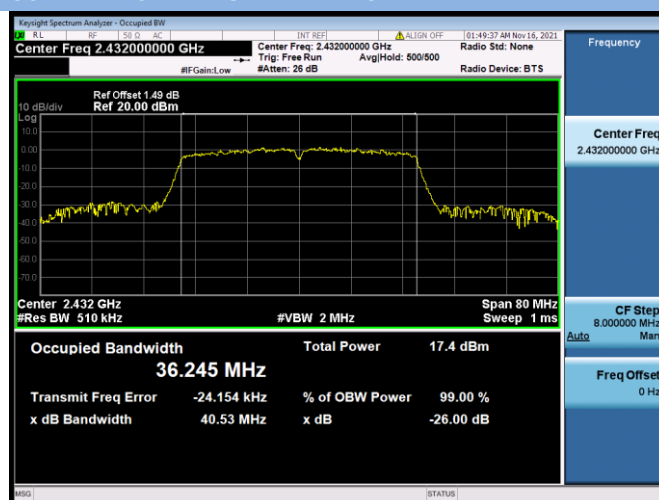
802.11n-40 MHz CHANNEL 3



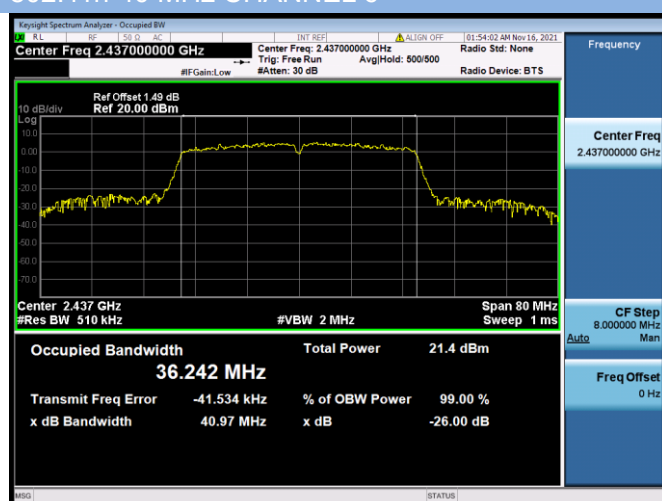
802.11n-40 MHz CHANNEL 4



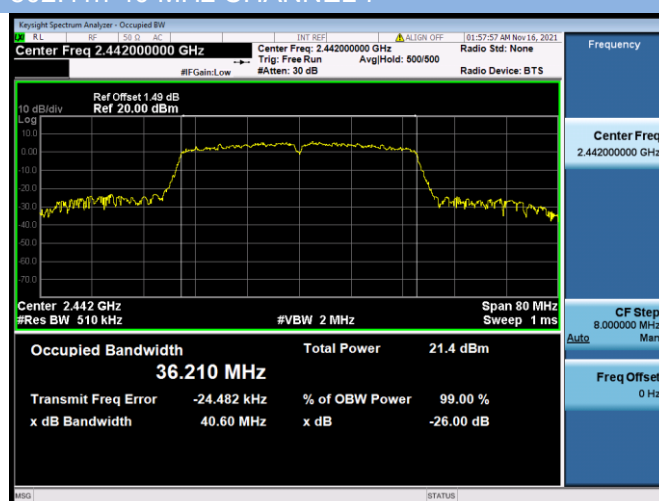
802.11n-40 MHz CHANNEL 5



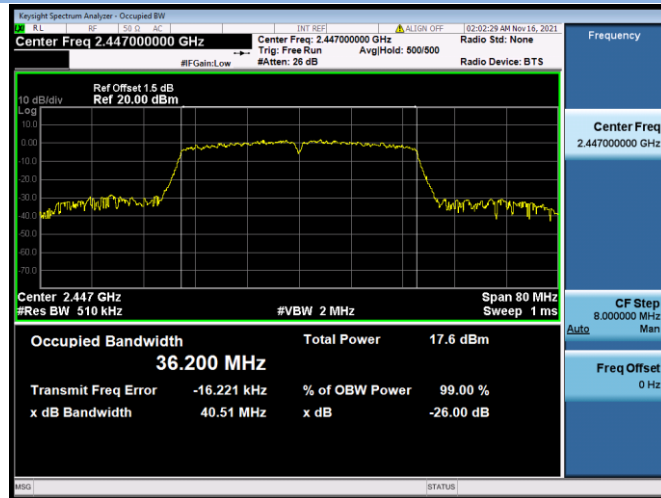
802.11n-40 MHz CHANNEL 6



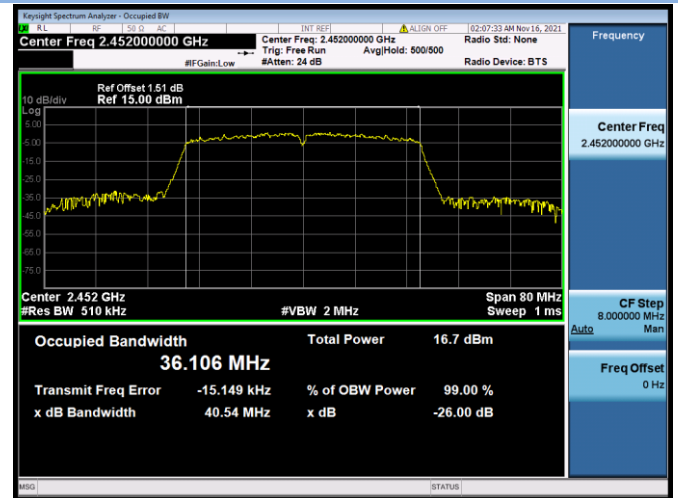
802.11n-40 MHz CHANNEL 7



802.11n-40 MHz CHANNEL 8



802.11n-40 MHz CHANNEL 9



A.3 Conducted Spurious Emissions

Note: 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. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-48.02	7.79	-12.21	Pass
6	-45.58	8.60	-11.40	Pass
11	-47.95	8.03	-11.97	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-48.31	6.59	-13.41	Pass
6	-47.20	6.61	-13.40	Pass
11	-49.01	6.95	-13.05	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-48.30	4.98	-15.02	Pass
6	-47.04	5.00	-15.00	Pass
11	-48.52	4.90	-15.10	Pass

802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-48.83	-4.25	-24.25	Pass
4	-48.05	-3.19	-23.19	Pass
5	-48.19	1.15	-18.85	Pass
6	-47.70	1.26	-18.75	Pass
8	-48.06	0.89	-19.11	Pass
9	-48.60	-1.53	-21.53	Pass

Aux. Antenna

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-48.40	9.29	-10.71	Pass
6	-48.88	10.13	-9.87	Pass
11	-48.38	9.73	-10.27	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-47.61	1.77	-18.23	Pass
2	-48.14	6.13	-13.87	Pass
6	-48.38	6.95	-13.05	Pass
10	-48.57	7.07	-12.93	Pass
11	-48.63	2.67	-17.33	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-49.08	1.12	-18.88	Pass
2	-47.66	5.21	-14.79	Pass
6	-48.10	5.35	-14.66	Pass
10	-49.21	5.49	-14.51	Pass
11	-48.54	4.97	-15.03	Pass

802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-45.21	-4.72	-24.72	Pass
4	-48.09	-4.62	-24.62	Pass
5	-48.17	-2.47	-22.47	Pass
6	-47.24	1.64	-18.36	Pass
7	-47.75	1.69	-18.31	Pass
8	-48.25	-2.17	-22.17	Pass
9	-47.60	-3.08	-23.08	Pass

MIMO-Main Antenna

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-44.05	9.21	-10.79	Pass
6	-44.71	9.60	-10.40	Pass
11	-44.52	9.64	-10.36	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-47.83	-0.48	-20.48	Pass
2	-49.28	6.93	-13.07	Pass
6	-48.05	6.90	-13.10	Pass
10	-49.00	7.23	-12.77	Pass
11	-48.83	5.28	-14.72	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-48.04	1.55	-18.45	Pass
2	-48.43	4.78	-15.22	Pass
6	-48.76	4.79	-15.21	Pass
10	-48.30	5.14	-14.86	Pass
11	-48.56	-1.19	-21.19	Pass

802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-48.79	-10.86	-30.86	Pass
4	-48.48	-8.74	-28.74	Pass
5	-48.88	-4.89	-24.89	Pass
6	-49.36	1.92	-18.08	Pass
7	-47.76	-3.65	-23.65	Pass
8	-47.07	-5.24	-25.24	Pass
9	-47.24	-5.79	-25.79	Pass

MIMO-Aux. Antenna

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-48.16	9.76	-10.24	Pass
6	-47.88	9.55	-10.45	Pass
11	-48.46	9.90	-10.10	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-48.78	0.66	-19.34	Pass
2	-47.81	6.80	-13.20	Pass
6	-48.89	7.07	-12.93	Pass
10	-48.00	7.16	-12.84	Pass
11	-48.00	6.15	-13.85	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
1	-47.68	2.74	-17.26	Pass
2	-45.98	4.59	-15.41	Pass
6	-48.44	4.77	-15.23	Pass
10	-48.31	4.95	-15.05	Pass
11	-48.32	0.06	-19.94	Pass

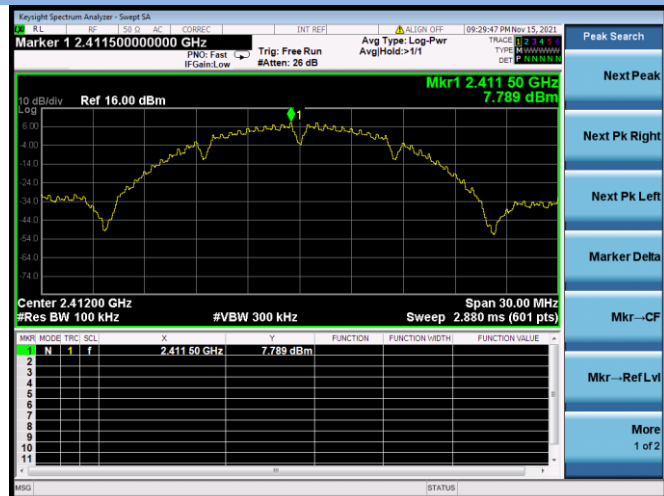
802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
3	-48.87	-9.45	-29.45	Pass
4	-48.09	-7.24	-27.24	Pass
5	-48.52	-3.49	-23.49	Pass
6	-48.54	1.61	-18.39	Pass
7	-48.36	-2.19	-22.19	Pass
8	-49.22	-3.64	-23.64	Pass
9	-49.17	-4.04	-24.04	Pass

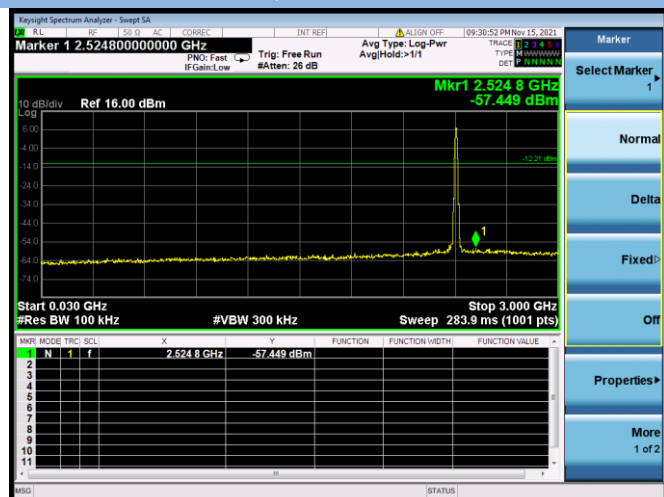
Test Plots

Main Antenna

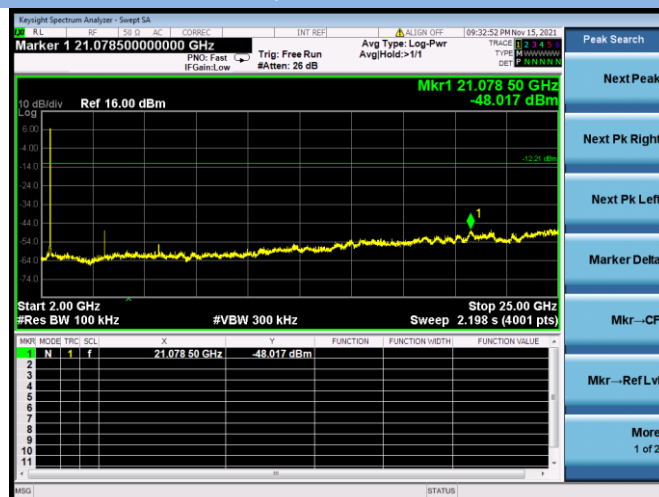
802.11b CHANNEL 1 CARRIER LEVEL



802.11b CHANNEL 1, SPURIOUS 30 MHz ~ 3 GHz



802.11b CHANNEL 1, SPURIOUS 2 GHz ~ 25 GHz



802.11b CHANNEL 6 CARRIER LEVEL

