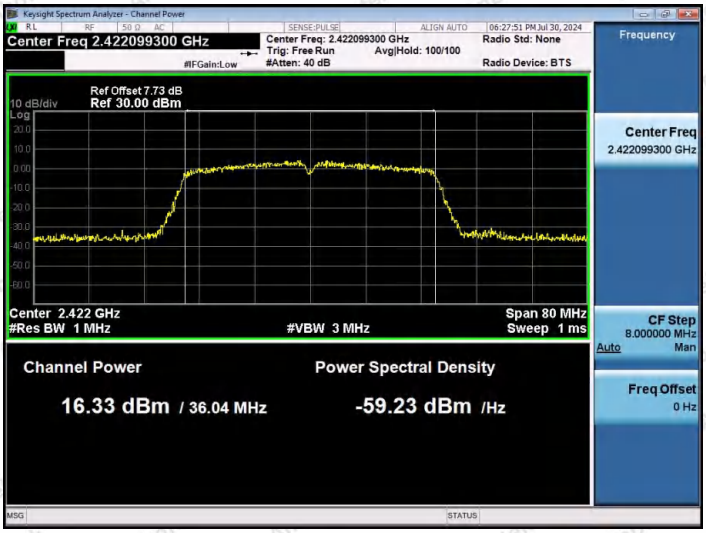
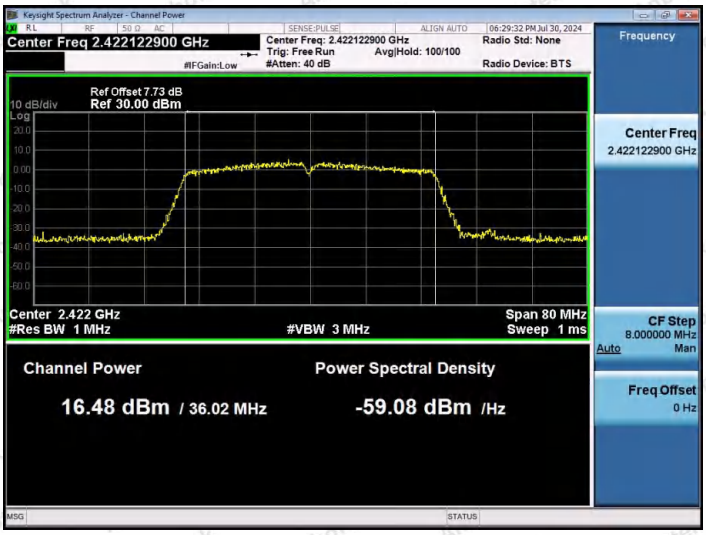
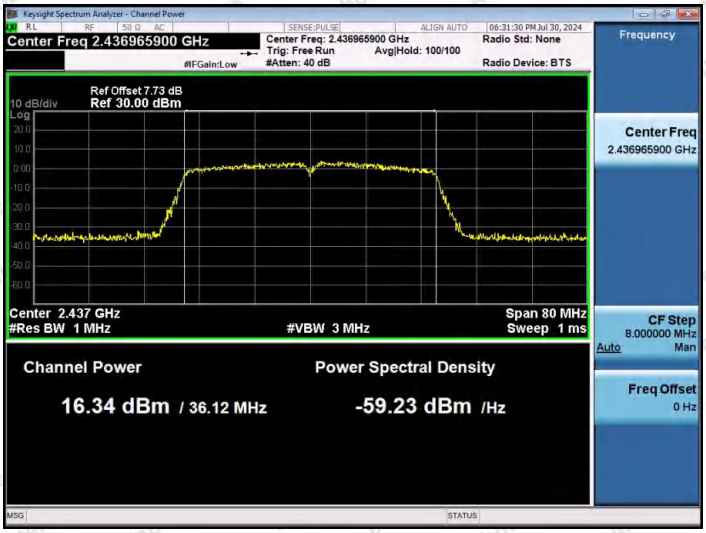


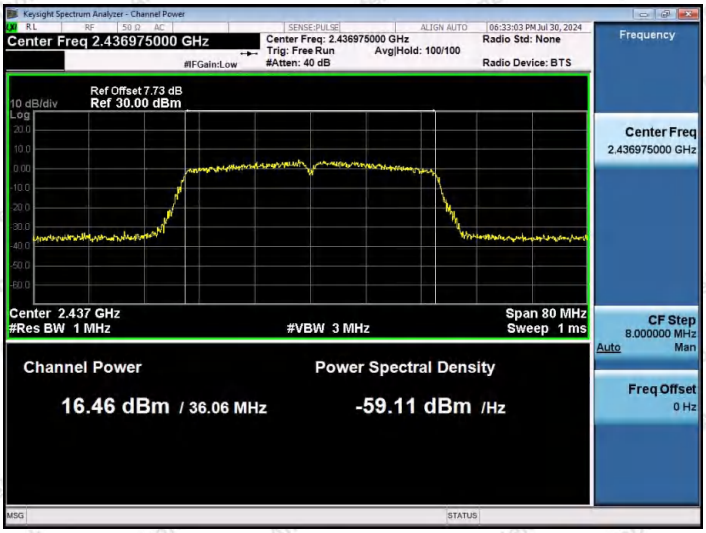
11AX40MIMO-Ant1-2422-PASS



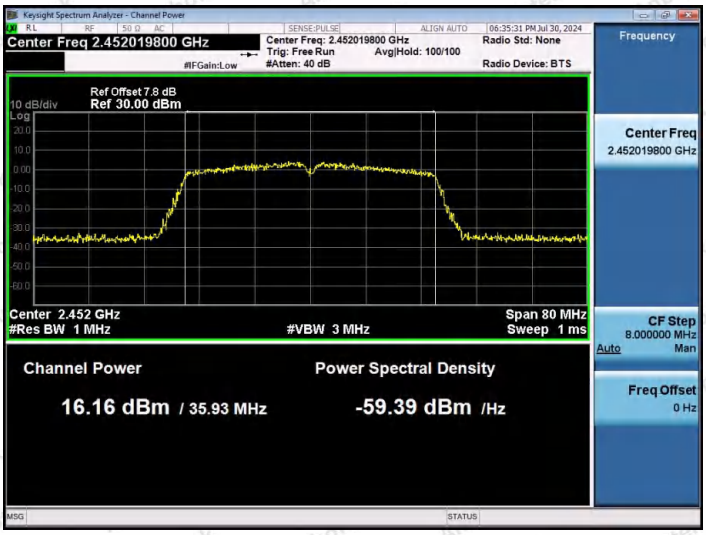
11AX40MIMO-Ant2-2422-PASS



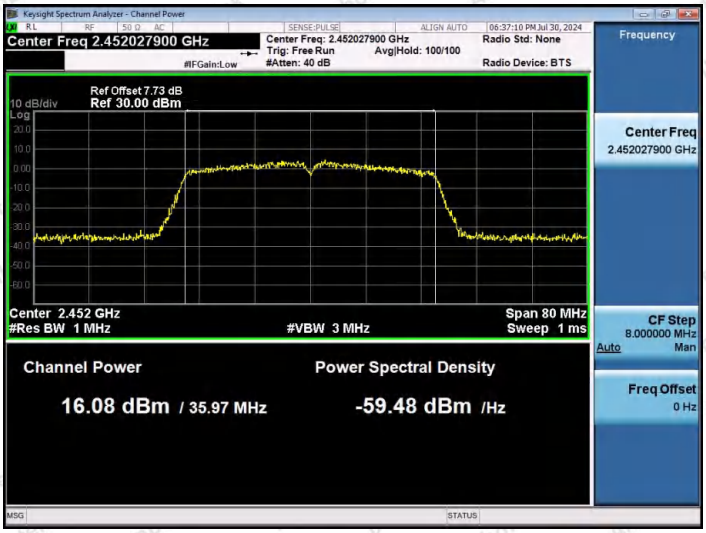
11AX40MIMO-Ant1-2437-PASS



11AX40MIMO-Ant2-2437-PASS



11AX40MIMO-Ant1-2452-PASS



11AX40MIMO-Ant2-2452-PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.67	-20.67	≤8.00	PASS
11B	Ant2	2412	-8.27	-18.27	≤8.00	PASS
11B	Ant1	2437	-8.07	-18.07	≤8.00	PASS
11B	Ant2	2437	-8.13	-18.13	≤8.00	PASS
11B	Ant1	2462	-8.43	-18.43	≤8.00	PASS
11B	Ant2	2462	-11.56	-21.56	≤8.00	PASS
11G	Ant1	2412	-12.08	-22.08	≤8.00	PASS
11G	Ant2	2412	-14.63	-24.63	≤8.00	PASS
11G	Ant1	2437	-12.72	-22.72	≤8.00	PASS
11G	Ant2	2437	-14.34	-24.34	≤8.00	PASS
11G	Ant1	2462	-14.20	-24.20	≤8.00	PASS
11G	Ant2	2462	-16.33	-26.33	≤8.00	PASS
11N20MIMO	Ant1	2412	-12.02	-22.02	≤8.00	PASS
11N20MIMO	Ant2	2412	-12.34	-22.34	≤8.00	PASS
11N20MIMO	total	2412	-9.17	-19.17	≤8.00	PASS
11N20MIMO	Ant1	2437	-14.14	-24.14	≤8.00	PASS
11N20MIMO	Ant2	2437	-14.11	-24.11	≤8.00	PASS
11N20MIMO	total	2437	-11.11	-21.11	≤8.00	PASS
11N20MIMO	Ant1	2462	-14.66	-24.66	≤8.00	PASS
11N20MIMO	Ant2	2462	-14.29	-24.29	≤8.00	PASS
11N20MIMO	total	2462	-11.46	-21.46	≤8.00	PASS
11N40MIMO	Ant1	2422	-15.65	-25.65	≤8.00	PASS
11N40MIMO	Ant2	2422	-15.76	-25.76	≤8.00	PASS
11N40MIMO	total	2422	-12.69	-22.69	≤8.00	PASS
11N40MI	Ant1	2437	-16.77	-26.77	≤8.00	PASS

MO						
11N40MIMO	Ant2	2437	-16.72	-26.72	≤8.00	PASS
11N40MIMO	total	2437	-13.73	-23.73	≤8.00	PASS
11N40MIMO	Ant1	2452	-16.37	-26.37	≤8.00	PASS
11N40MIMO	Ant2	2452	-16.10	-26.10	≤8.00	PASS
11N40MIMO	total	2452	-13.22	-23.22	≤8.00	PASS
11AX20MIMO	Ant1	2412	-12.55	-22.55	≤8.00	PASS
11AX20MIMO	Ant2	2412	-12.47	-22.47	≤8.00	PASS
11AX20MIMO	total	2412	-9.50	-19.50	≤8.00	PASS
11AX20MIMO	Ant1	2437	-14.44	-24.44	≤8.00	PASS
11AX20MIMO	Ant2	2437	-14.10	-24.10	≤8.00	PASS
11AX20MIMO	total	2437	-11.26	-21.26	≤8.00	PASS
11AX20MIMO	Ant1	2462	-14.11	-24.11	≤8.00	PASS
11AX20MIMO	Ant2	2462	-14.25	-24.25	≤8.00	PASS
11AX20MIMO	total	2462	-11.17	-21.17	≤8.00	PASS
11AX40MIMO	Ant1	2422	-16.35	-26.35	≤8.00	PASS
11AX40MIMO	Ant2	2422	-16.17	-26.17	≤8.00	PASS
11AX40MIMO	total	2422	-13.25	-23.25	≤8.00	PASS
11AX40MIMO	Ant1	2437	-16.80	-26.80	≤8.00	PASS
11AX40MIMO	Ant2	2437	-16.03	-26.03	≤8.00	PASS
11AX40MIMO	total	2437	-13.39	-23.39	≤8.00	PASS
11AX40MIMO	Ant1	2452	-15.95	-25.95	≤8.00	PASS

11AX40M IMO	Ant2	2452	-16.64	-26.64	≤8.00	PASS
11AX40M IMO	total	2452	-13.27	-23.27	≤8.00	PASS

Note:

1. The Duty Cycle Factor(10*log(1/D)) and cable loss are compensated in the graph.
2. PSD(dBm/3kHz)= PSD(dBm/30kHz)- (10*log(30/3))

Test Graphs

11B-Ant1-2412-PASS

11B-Ant2-2412-PASS

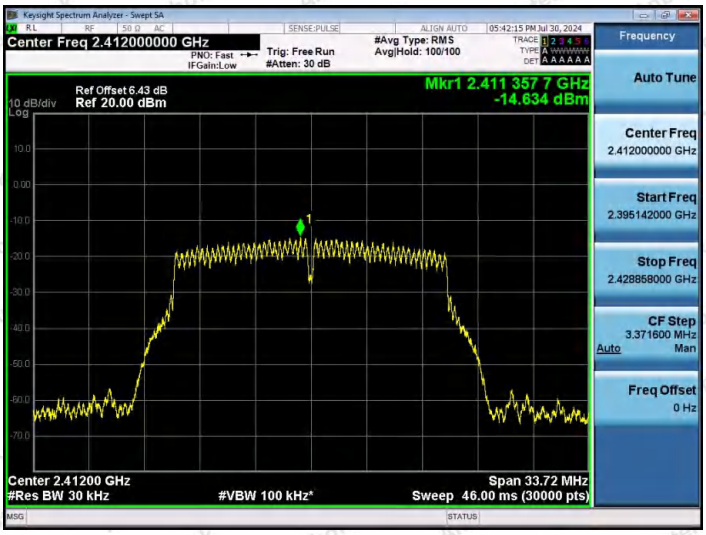
11B-Ant1-2437-PASS

11B-Ant2-2437-PASS

11B-Ant1-2462-PASS

11B-Ant2-2462-PASS

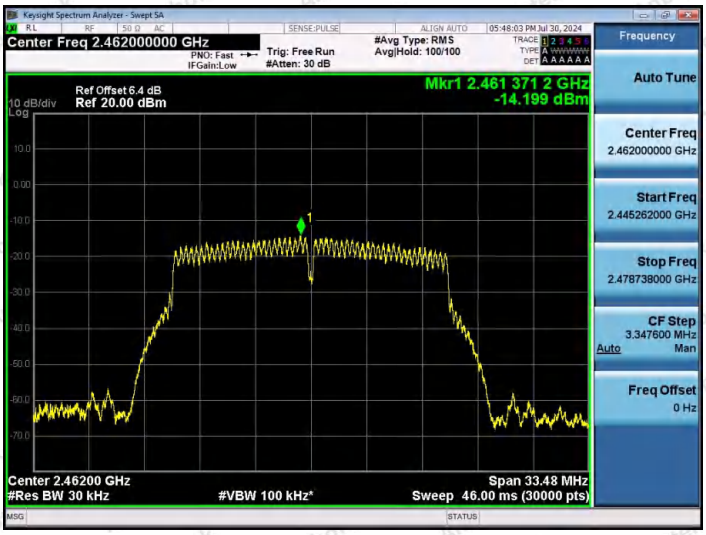
11G-Ant1-2412-PASS



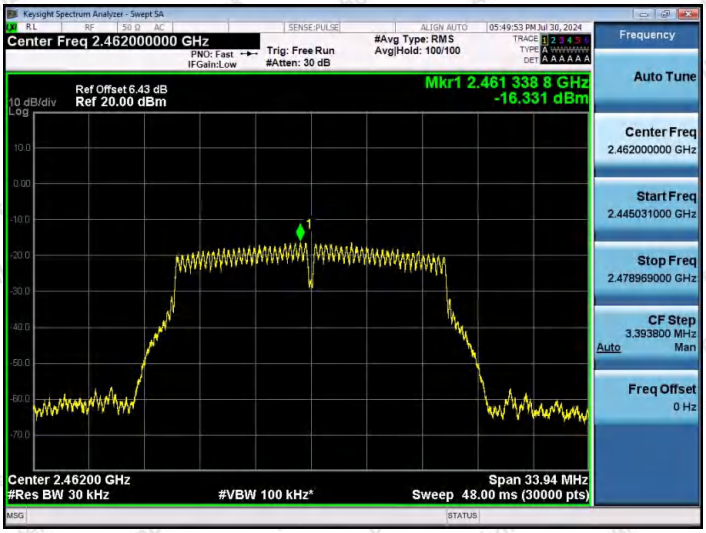
11G-Ant2-2412-PASS

11G-Ant1-2437-PASS

11G-Ant2-2437-PASS

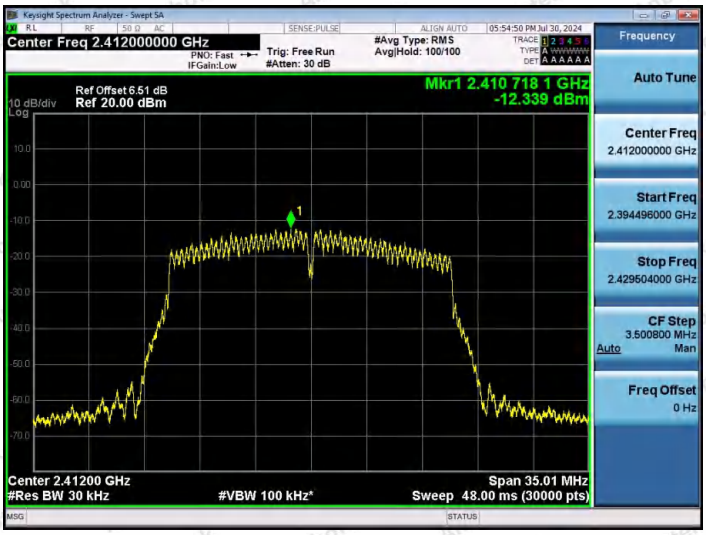


11G-Ant1-2462-PASS

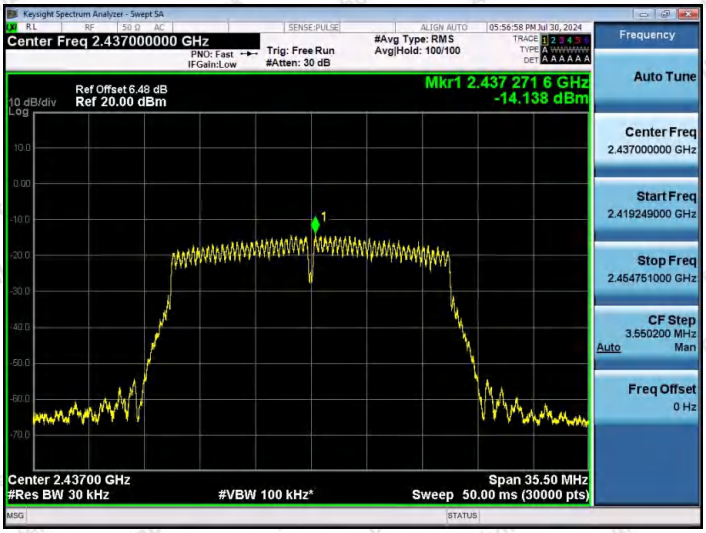


11G-Ant2-2462-PASS

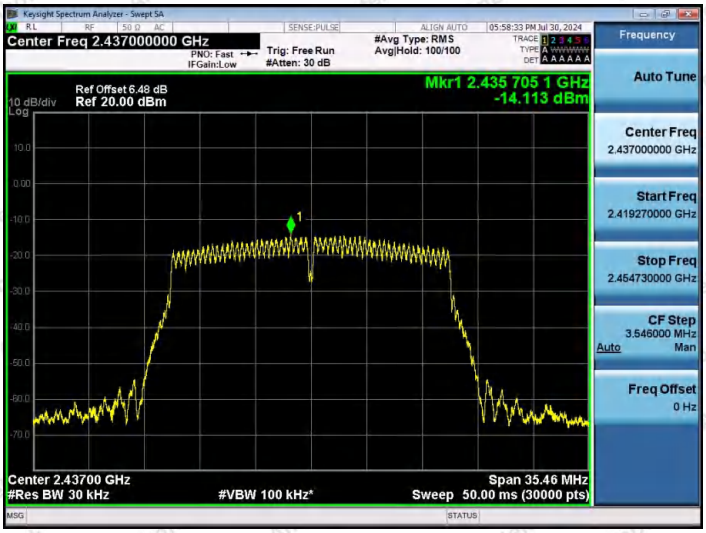
11N20MIMO-Ant1-2412-PASS



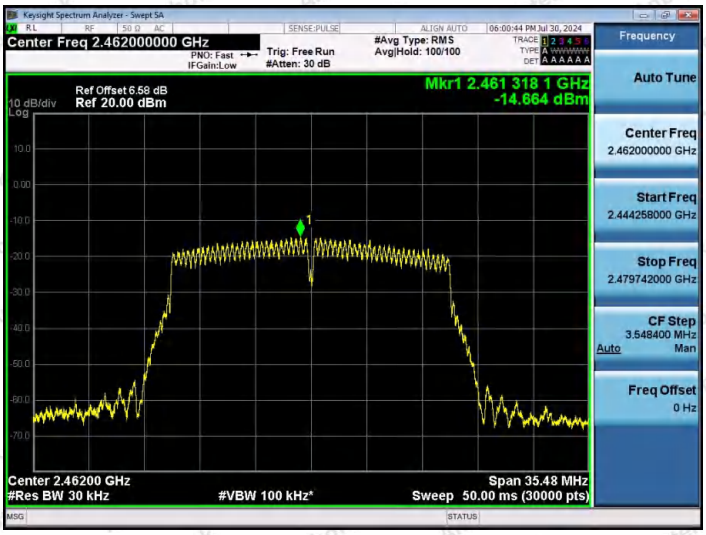
11N20MIMO-Ant2-2412-PASS



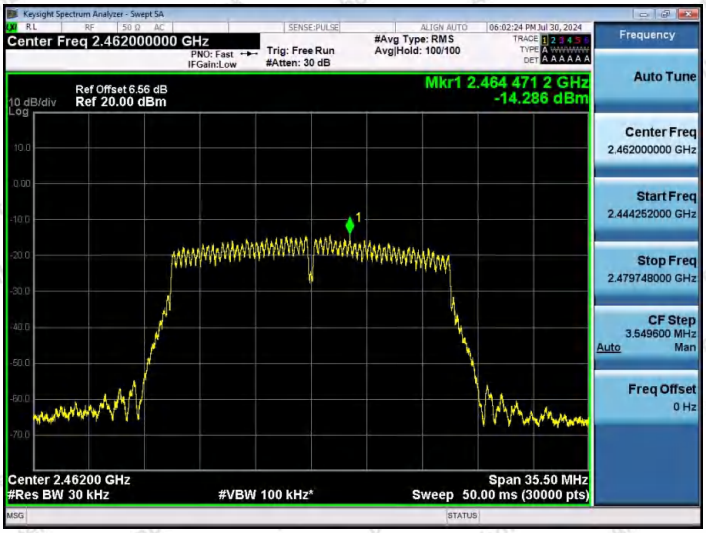
11N20MIMO-Ant1-2437-PASS



11N20MIMO-Ant2-2437-PASS

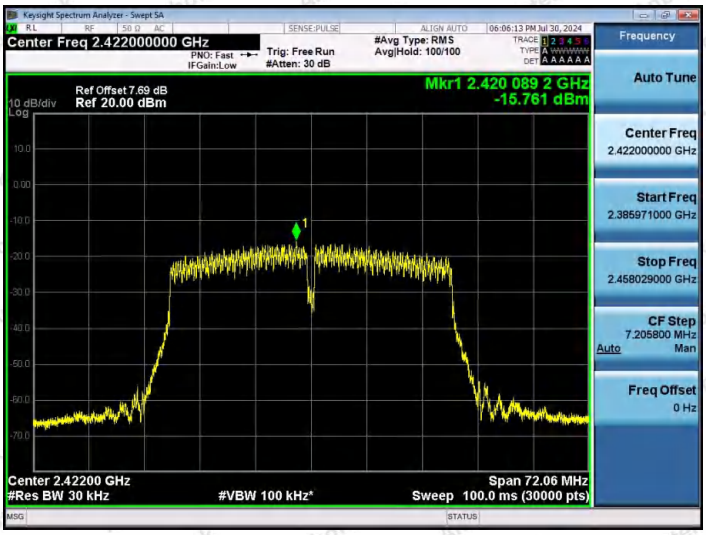


11N20MIMO-Ant1-2462-PASS

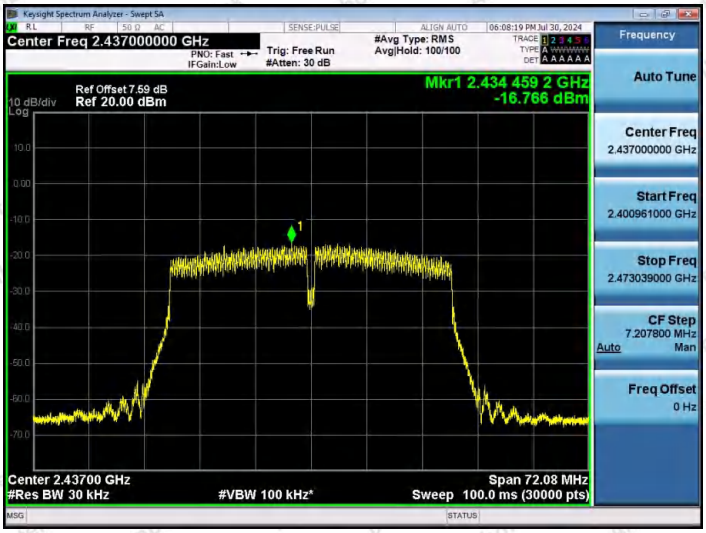


11N20MIMO-Ant2-2462-PASS

11N40MIMO-Ant1-2422-PASS

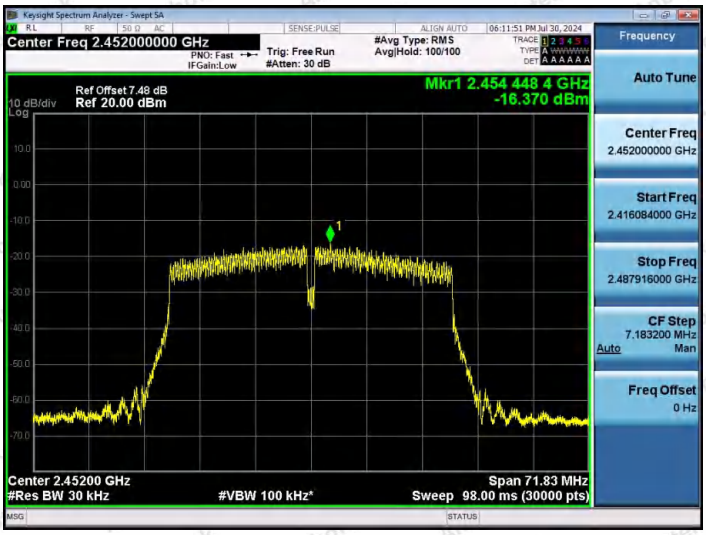


11N40MIMO-Ant2-2422-PASS

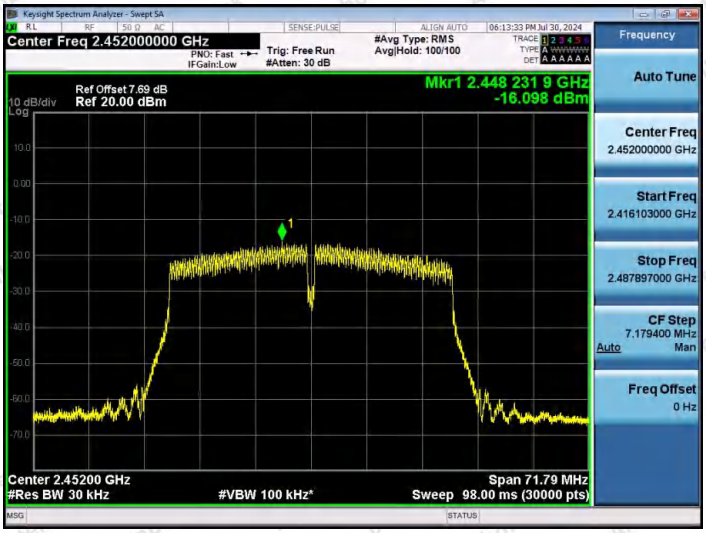


11N40MIMO-Ant1-2437-PASS

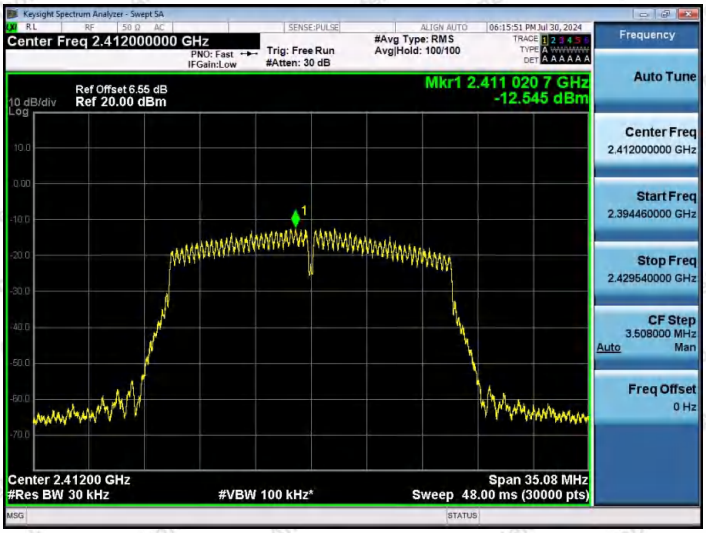
11N40MIMO-Ant2-2437-PASS



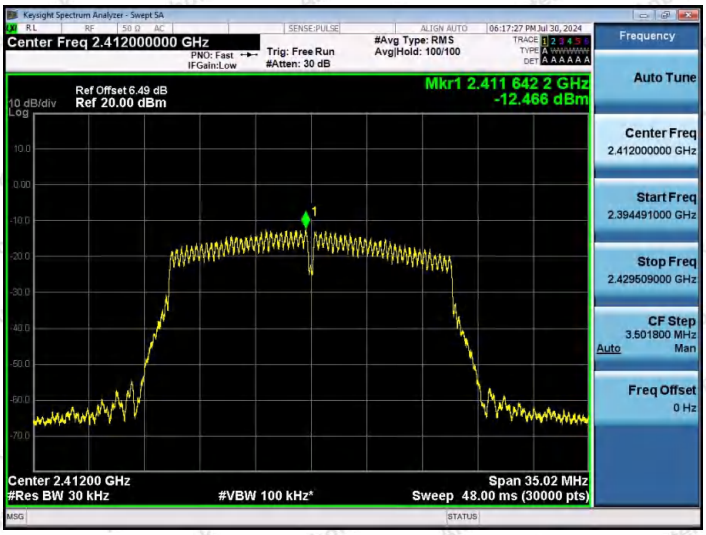
11N40MIMO-Ant1-2452-PASS



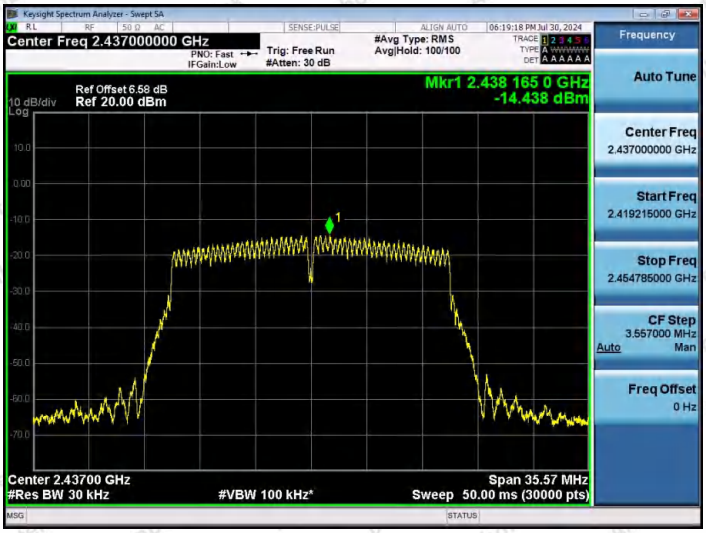
11N40MIMO-Ant2-2452-PASS



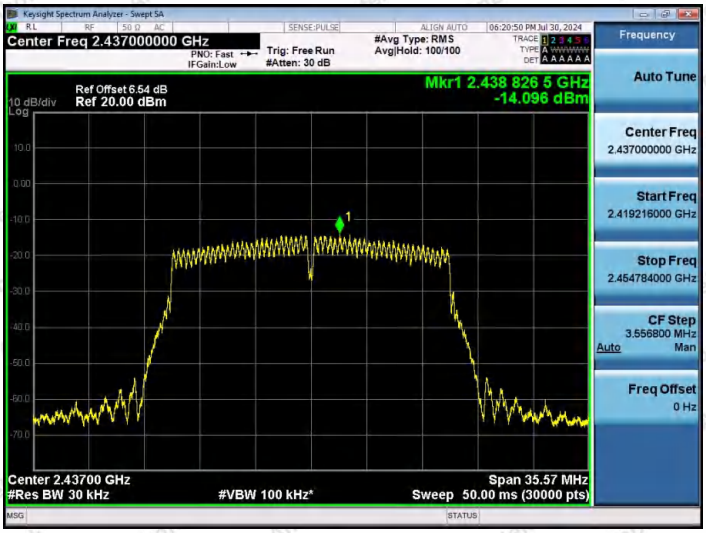
11AX20MIMO-Ant1-2412-PASS



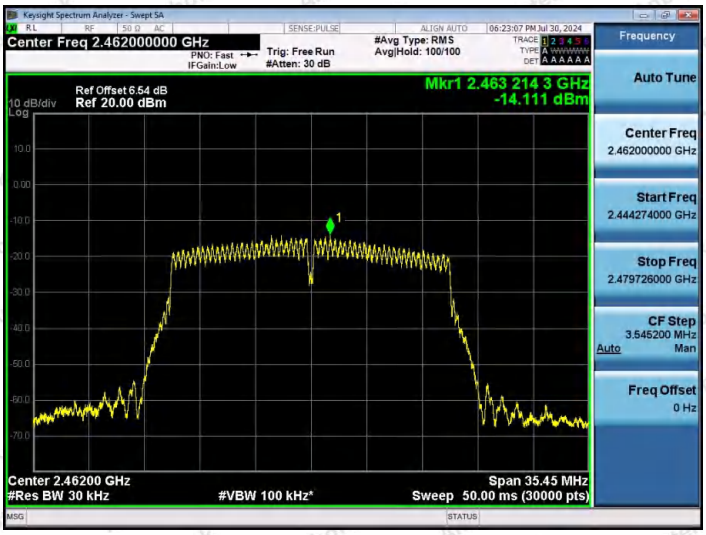
11AX20MIMO-Ant2-2412-PASS



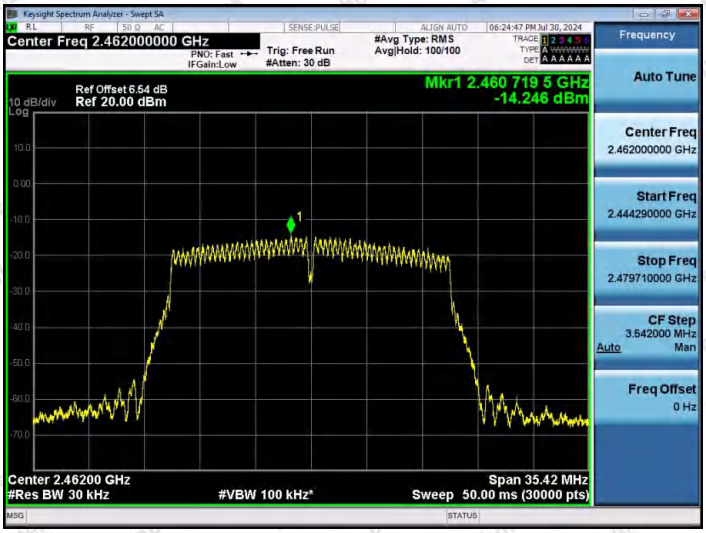
11AX20MIMO-Ant1-2437-PASS



11AX20MIMO-Ant2-2437-PASS

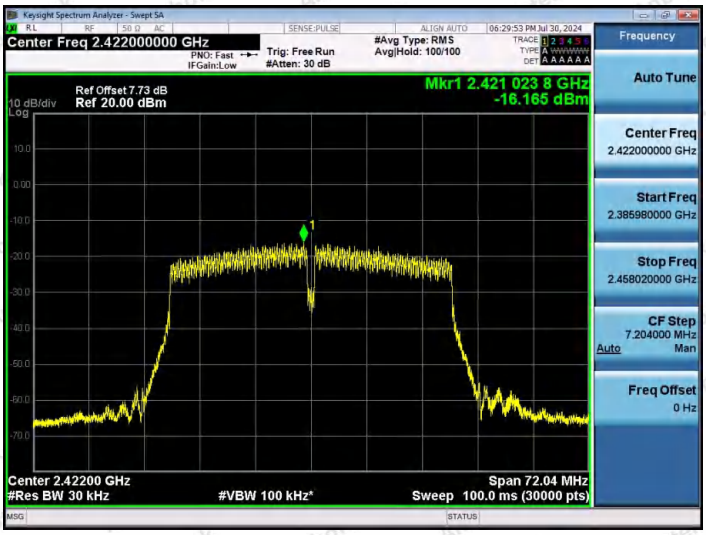


11AX20MIMO-Ant1-2462-PASS

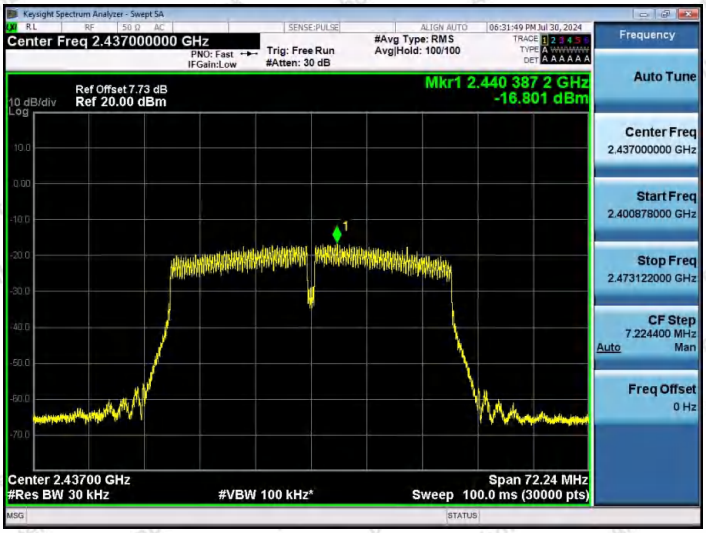


11AX20MIMO-Ant2-2462-PASS

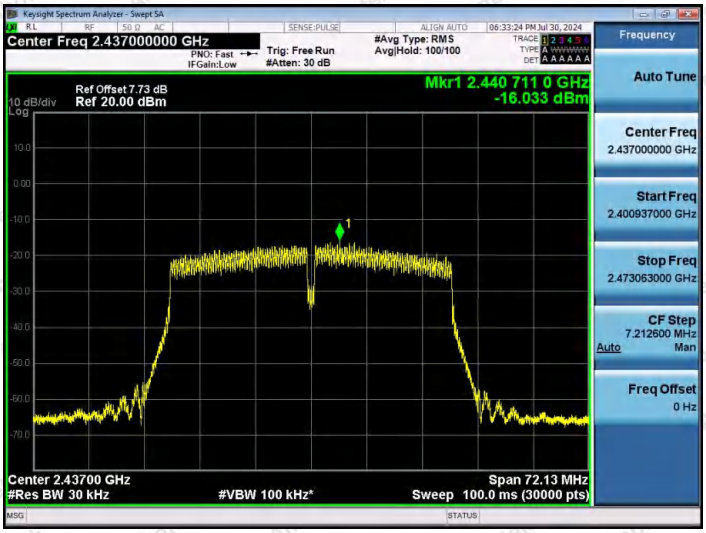
11AX40MIMO-Ant1-2422-PASS



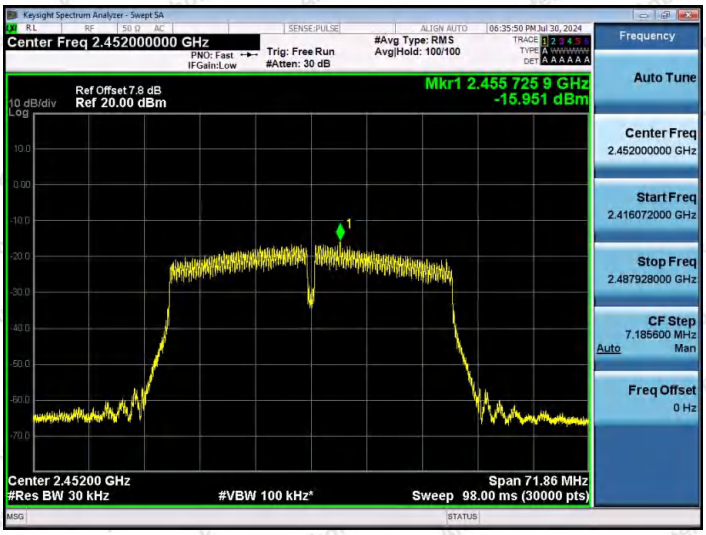
11AX40MIMO-Ant2-2422-PASS



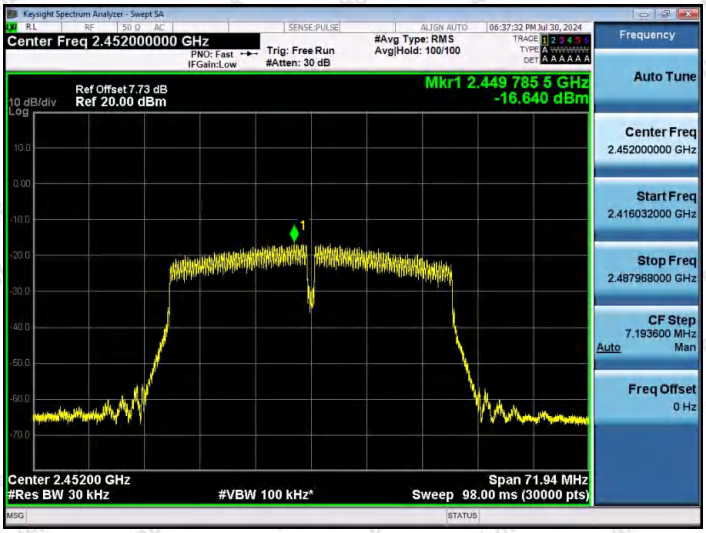
11AX40MIMO-Ant1-2437-PASS



11AX40MIMO-Ant2-2437-PASS



11AX40MIMO-Ant1-2452-PASS



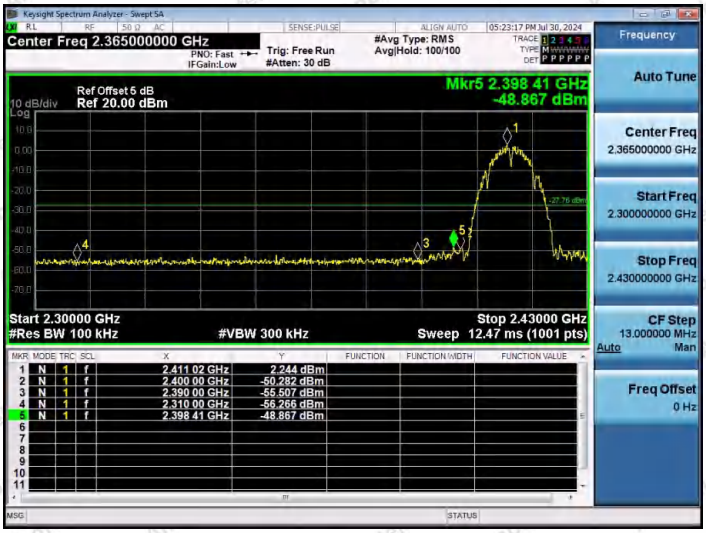
11AX40MIMO-Ant2-2452-PASS

Appendix E: Conducted Band edge

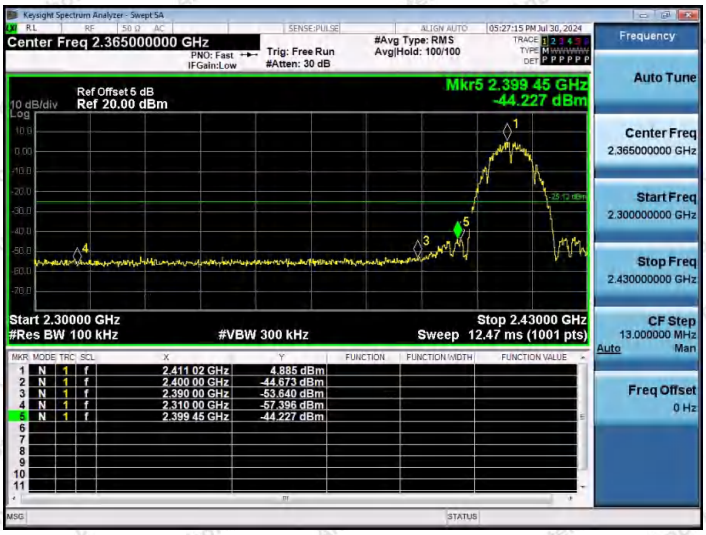
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.24	-48.87	≤-27.76	PASS
11B	Ant2	Low	2412	4.89	-44.23	≤-25.12	PASS
11B	Ant1	High	2462	4.82	-52.94	≤-25.18	PASS
11B	Ant2	High	2462	1.53	-52.2	≤-28.48	PASS
11G	Ant1	Low	2412	0.22	-46.35	≤-29.78	PASS
11G	Ant2	Low	2412	-2.25	-44.01	≤-32.25	PASS
11G	Ant1	High	2462	-2.54	-52.16	≤-32.54	PASS
11G	Ant2	High	2462	-3.91	-52.43	≤-33.91	PASS
11N20MIMO	Ant1	Low	2412	-0.22	-46.04	≤-30.22	PASS
11N20MIMO	Ant2	Low	2412	-0.64	-46.01	≤-30.64	PASS
11N20MIMO	Ant1	High	2462	-3.34	-52.08	≤-33.34	PASS
11N20MIMO	Ant2	High	2462	-1.05	-52.54	≤-31.05	PASS
11N40MIMO	Ant1	Low	2422	-3.76	-42.45	≤-33.76	PASS
11N40MIMO	Ant2	Low	2422	-3.80	-45.44	≤-33.8	PASS
11N40MIMO	Ant1	High	2452	-3.41	-51.55	≤-33.41	PASS
11N40MIMO	Ant2	High	2452	-3.87	-51.13	≤-33.87	PASS
11AX20MIMO	Ant1	Low	2412	-0.05	-47	≤-30.05	PASS
11AX20MIMO	Ant2	Low	2412	-0.13	-46.9	≤-30.13	PASS
11AX20MIMO	Ant1	High	2462	-2.18	-52.01	≤-32.18	PASS
11AX20MIMO	Ant2	High	2462	-2.78	-52.48	≤-32.78	PASS
11AX40MIMO	Ant1	Low	2422	-3.20	-41.97	≤-33.2	PASS
11AX40MIMO	Ant2	Low	2422	-3.77	-44.61	≤-33.77	PASS
11AX40MIMO	Ant1	High	2452	-4.42	-52.01	≤-34.42	PASS
11AX40MIMO	Ant2	High	2452	-3.48	-52.55	≤-33.48	PASS

Test Graphs

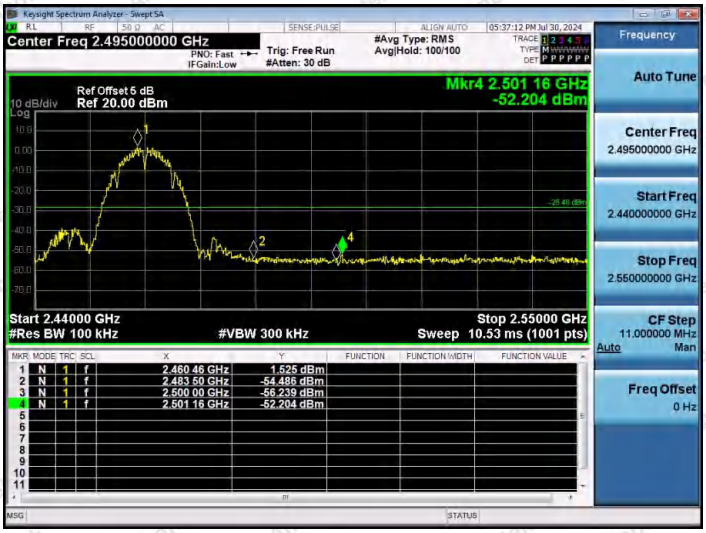


11B-Ant1-2412-PASS

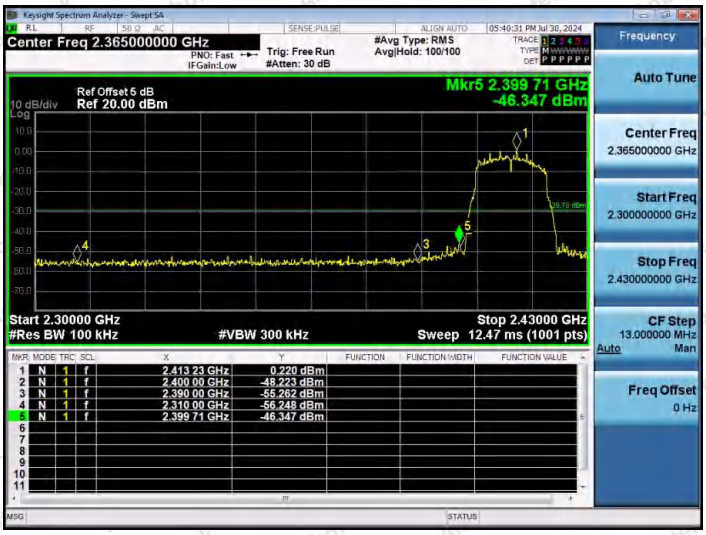


11B-Ant2-2412-PASS

11B-Ant1-2462-PASS

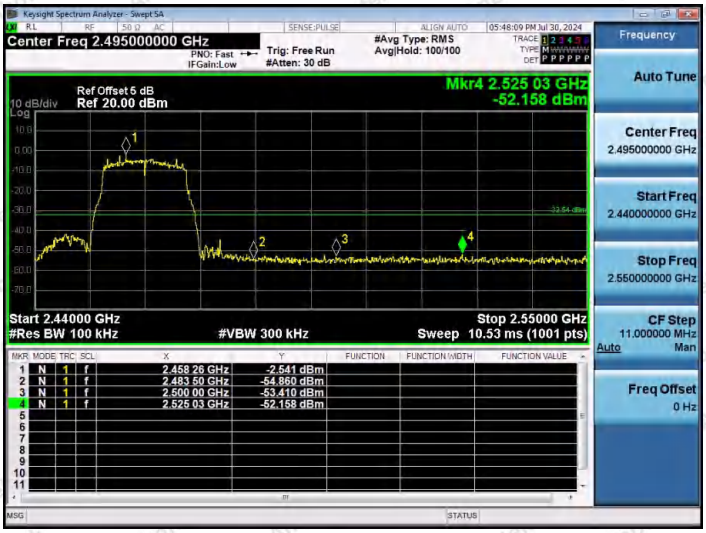


11B-Ant2-2462-PASS

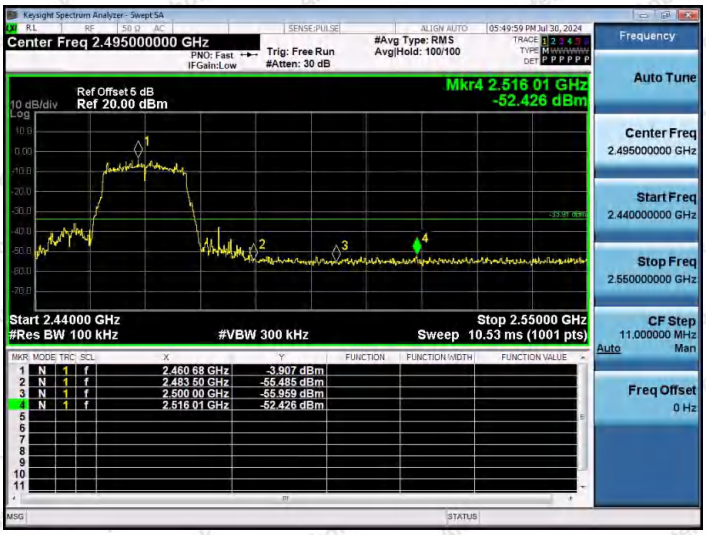


11G-Ant1-2412-PASS

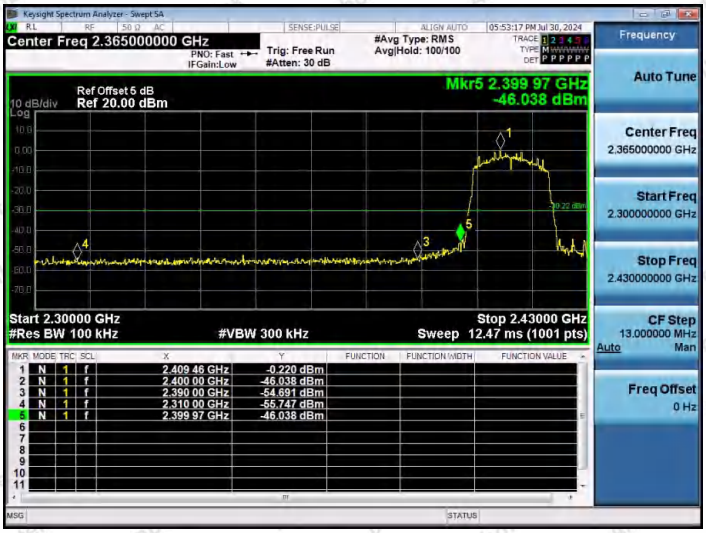
11G-Ant2-2412-PASS



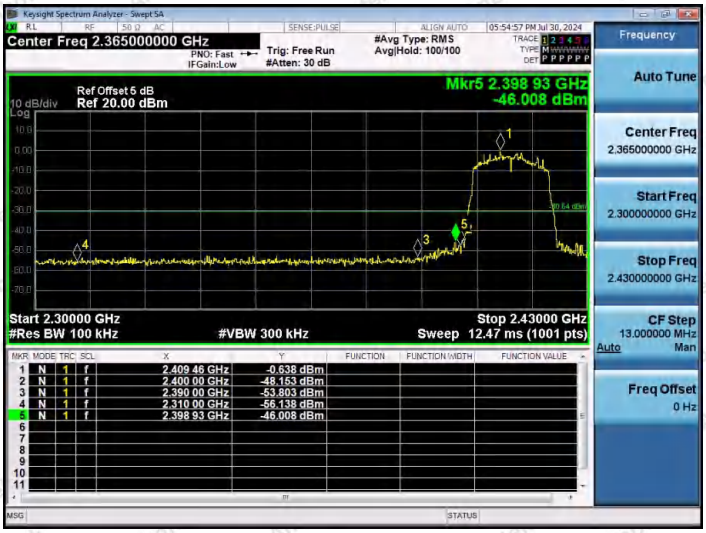
11G-Ant1-2462-PASS



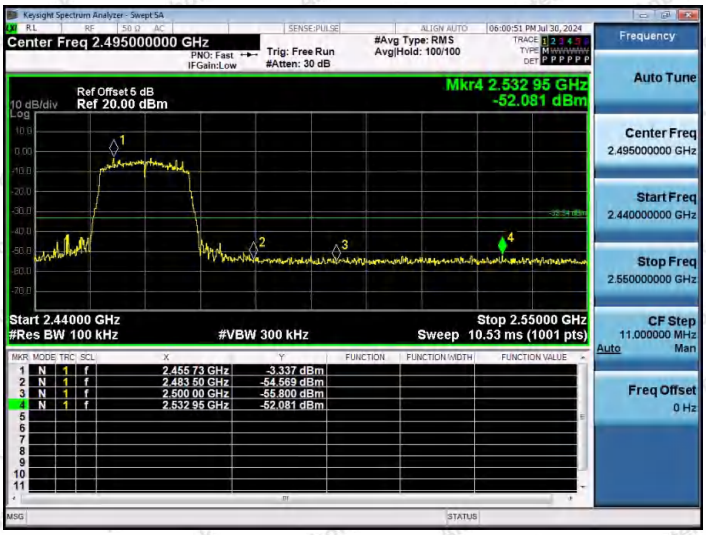
11G-Ant2-2462-PASS



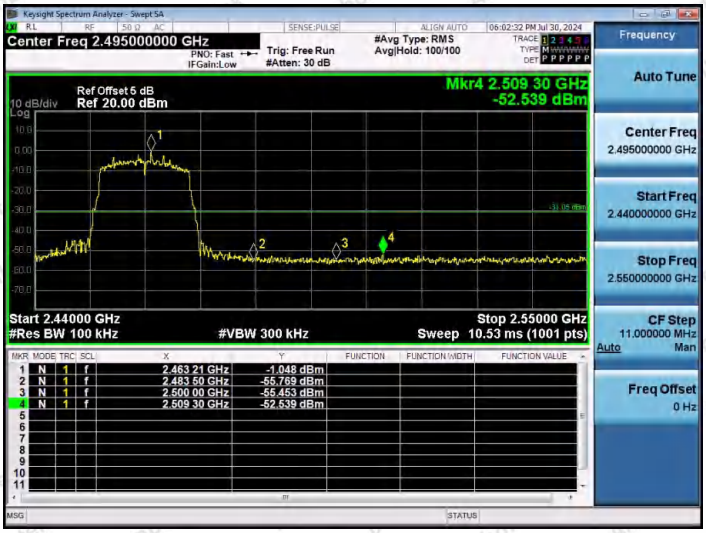
11N20MIMO-Ant1-2412-PASS



11N20MIMO-Ant2-2412-PASS

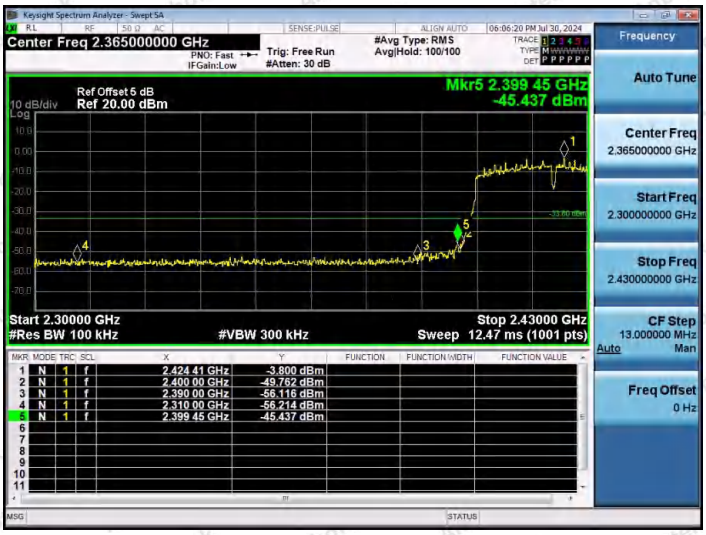


11N20MIMO-Ant1-2462-PASS

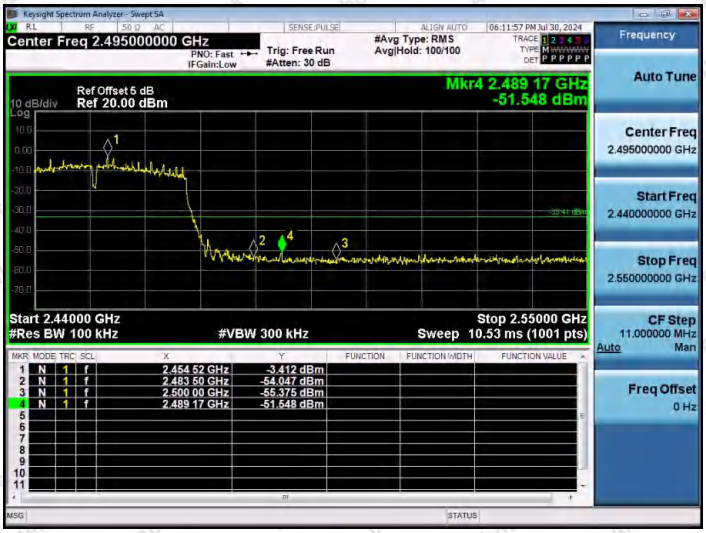


11N20MIMO-Ant2-2462-PASS

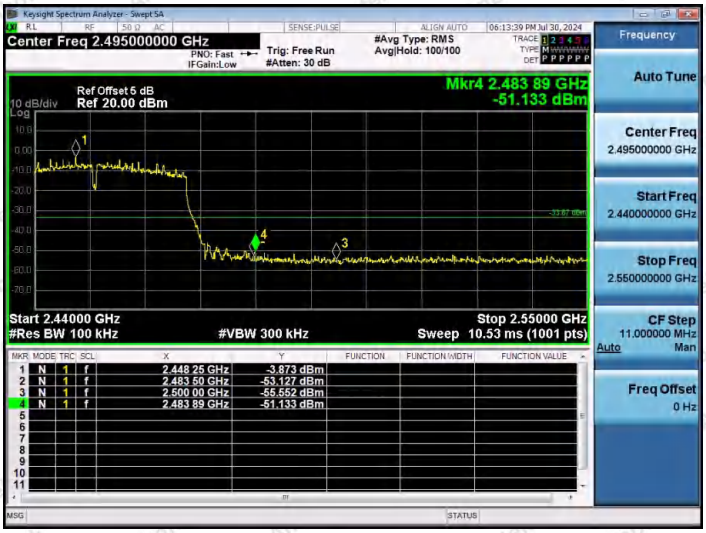
11N40MIMO-Ant1-2422-PASS



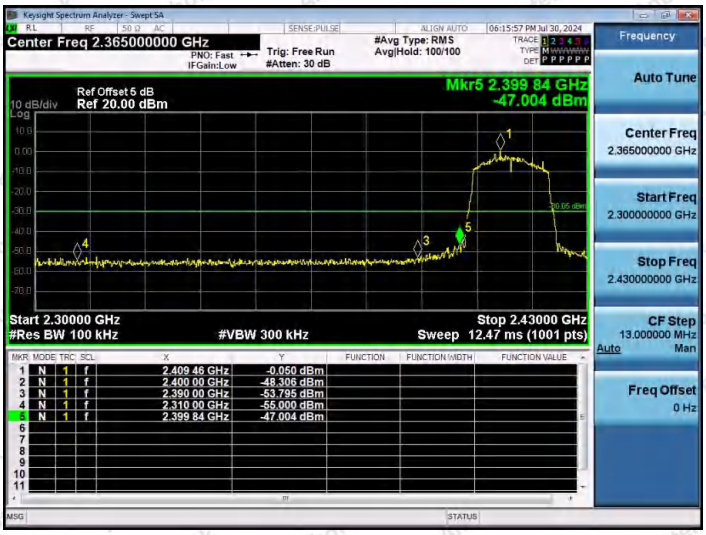
11N40MIMO-Ant2-2422-PASS



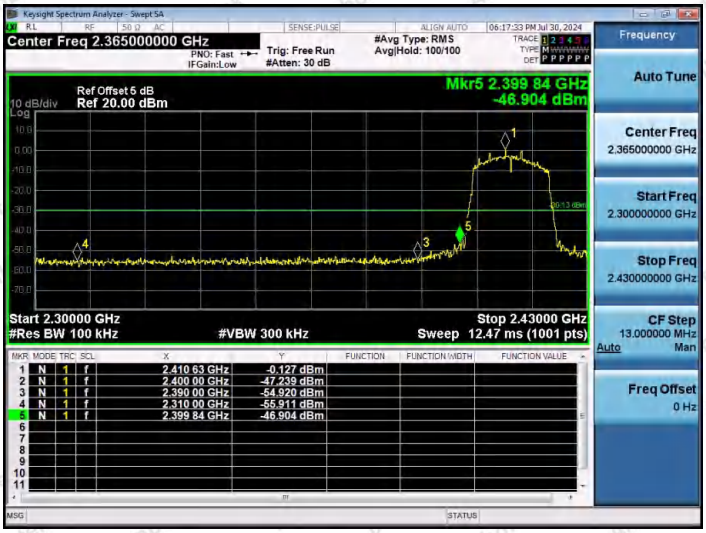
11N40MIMO-Ant1-2452-PASS



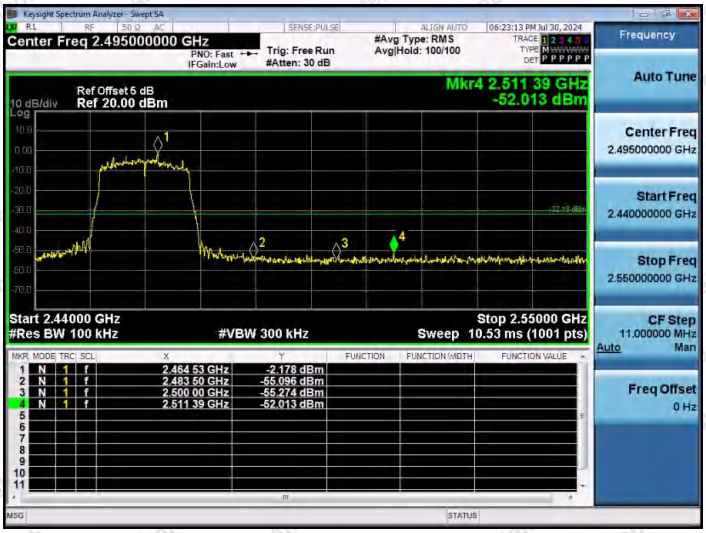
11N40MIMO-Ant2-2452-PASS



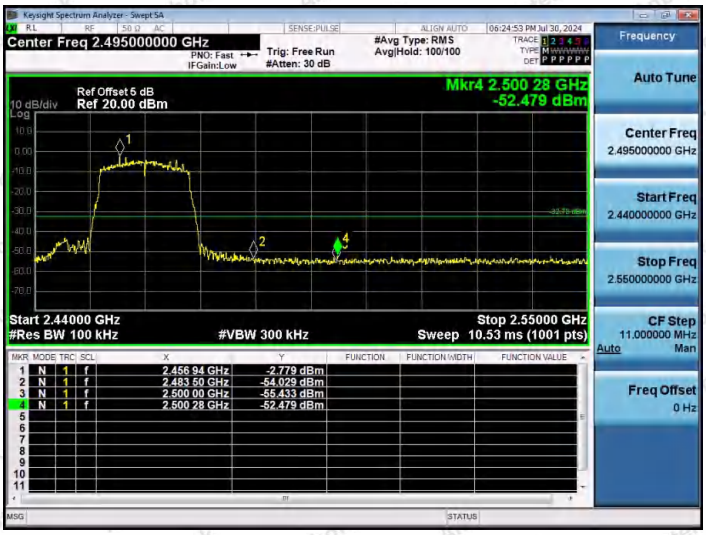
11AX20MIMO-Ant1-2412-PASS



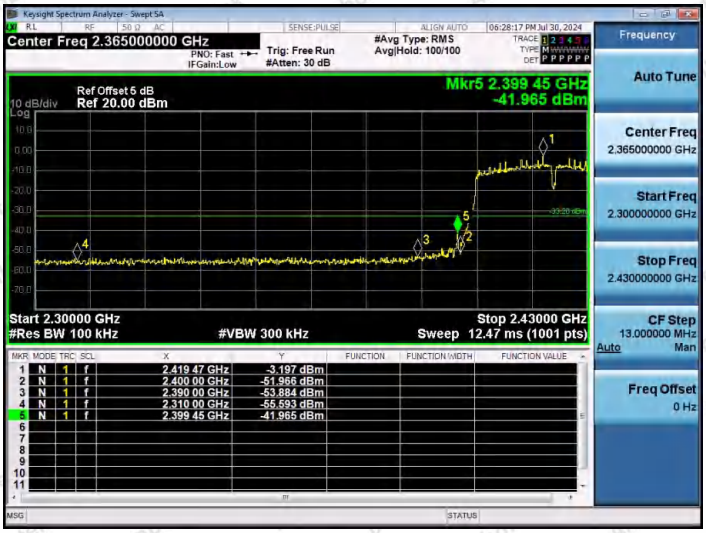
11AX20MIMO-Ant2-2412-PASS



11AX20MIMO-Ant1-2462-PASS

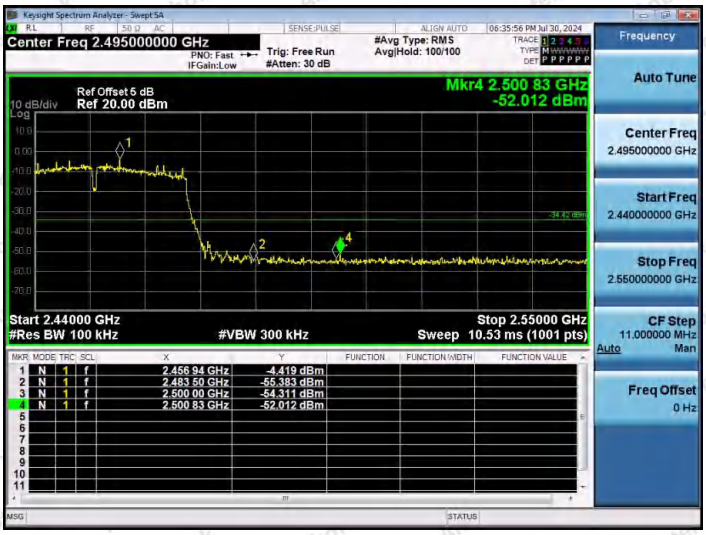


11AX20MIMO-Ant2-2462-PASS



11AX40MIMO-Ant1-2422-PASS

11AX40MIMO-Ant2-2422-PASS



11AX40MIMO-Ant1-2452-PASS

11AX40MIMO-Ant2-2452-PASS

Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	1.07	1.07	---	PASS
11B	Ant2	2412	0~Reference	3.91	3.91	---	PASS
11B	Ant1	2412	30~1000	1.07	-64.09	≤-28.93	PASS
11B	Ant2	2412	30~1000	3.91	-62.84	≤-26.09	PASS
11B	Ant1	2412	1000~26500	1.07	-49.65	≤-28.93	PASS
11B	Ant2	2412	1000~26500	3.91	-48.81	≤-26.09	PASS
11B	Ant1	2437	0~Reference	2.86	2.86	---	PASS
11B	Ant2	2437	0~Reference	3.67	3.67	---	PASS
11B	Ant1	2437	30~1000	2.86	-63.79	≤-27.14	PASS
11B	Ant2	2437	30~1000	3.67	-63.88	≤-26.33	PASS
11B	Ant1	2437	1000~26500	2.86	-49.53	≤-27.14	PASS
11B	Ant2	2437	1000~26500	3.67	-48.52	≤-26.33	PASS
11B	Ant1	2462	0~Reference	3.03	3.03	---	PASS
11B	Ant2	2462	0~Reference	0.38	0.38	---	PASS
11B	Ant1	2462	30~1000	3.03	-63.34	≤-26.97	PASS
11B	Ant2	2462	30~1000	0.38	-64.27	≤-29.62	PASS
11B	Ant1	2462	1000~26500	3.03	-48.88	≤-26.97	PASS
11B	Ant2	2462	1000~26500	0.38	-45.61	≤-29.62	PASS
11G	Ant1	2412	0~Reference	-2.77	-2.77	---	PASS
11G	Ant2	2412	0~Reference	-2.62	-2.62	---	PASS
11G	Ant1	2412	30~1000	-2.77	-64.67	≤-32.77	PASS
11G	Ant2	2412	30~1000	-2.62	-63.84	≤-32.62	PASS
11G	Ant1	2412	1000~26500	-2.77	-48.97	≤-32.77	PASS
11G	Ant2	2412	1000~26500	-2.62	-45.96	≤-32.62	PASS
11G	Ant1	2437	0~Reference	-2.41	-2.41	---	PASS
11G	Ant2	2437	0~Reference	-4.82	-4.82	---	PASS
11G	Ant1	2437	30~1000	-2.41	-64.33	≤-32.41	PASS
11G	Ant2	2437	30~1000	-4.82	-64.79	≤-34.82	PASS
11G	Ant1	2437	1000~26500	-2.41	-49.15	≤-32.41	PASS
11G	Ant2	2437	1000~26500	-4.82	-49.43	≤-34.82	PASS
11G	Ant1	2462	0~Reference	-1.27	-1.27	---	PASS
11G	Ant2	2462	0~Reference	-3.65	-3.65	---	PASS
11G	Ant1	2462	30~1000	-1.27	-64.47	≤-31.27	PASS
11G	Ant2	2462	30~1000	-3.65	-64.51	≤-33.65	PASS
11G	Ant1	2462	1000~26500	-1.27	-49.26	≤-31.27	PASS
11G	Ant2	2462	1000~26500	-3.65	-49.21	≤-33.65	PASS
11N20MIMO	Ant1	2412	0~Reference	-3.51	-3.51	---	PASS

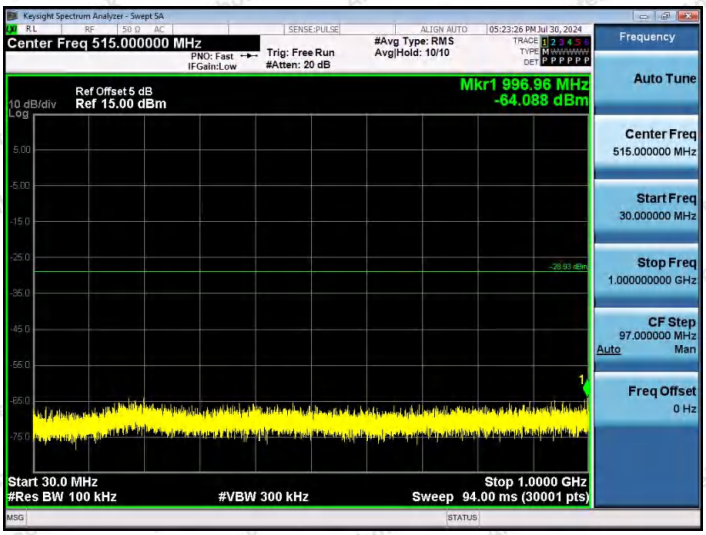
11N20MIMO	Ant2	2412	0~Reference	-2.61	-2.61	---	PASS
11N20MIMO	Ant1	2412	30~1000	-3.51	-63.73	≤-33.51	PASS
11N20MIMO	Ant2	2412	30~1000	-2.61	-63.83	≤-32.61	PASS
11N20MIMO	Ant1	2412	1000~26500	-3.51	-48.23	≤-33.51	PASS
11N20MIMO	Ant2	2412	1000~26500	-2.61	-49.02	≤-32.61	PASS
11N20MIMO	Ant1	2437	0~Reference	-2.74	-2.74	---	PASS
11N20MIMO	Ant2	2437	0~Reference	-5.19	-5.19	---	PASS
11N20MIMO	Ant1	2437	30~1000	-2.74	-64.47	≤-32.74	PASS
11N20MIMO	Ant2	2437	30~1000	-5.19	-63.45	≤-35.19	PASS
11N20MIMO	Ant1	2437	1000~26500	-2.74	-48.78	≤-32.74	PASS
11N20MIMO	Ant2	2437	1000~26500	-5.19	-49.4	≤-35.19	PASS
11N20MIMO	Ant1	2462	0~Reference	-3.04	-3.04	---	PASS
11N20MIMO	Ant2	2462	0~Reference	-4.72	-4.72	---	PASS
11N20MIMO	Ant1	2462	30~1000	-3.04	-64.01	≤-33.04	PASS
11N20MIMO	Ant2	2462	30~1000	-4.72	-64.16	≤-34.72	PASS
11N20MIMO	Ant1	2462	1000~26500	-3.04	-47.29	≤-33.04	PASS
11N20MIMO	Ant2	2462	1000~26500	-4.72	-46.56	≤-34.72	PASS
11N40MIMO	Ant1	2422	0~Reference	-4.58	-4.58	---	PASS
11N40MIMO	Ant2	2422	0~Reference	-3.20	-3.20	---	PASS
11N40MIMO	Ant1	2422	30~1000	-4.58	-64.27	≤-34.58	PASS
11N40MIMO	Ant2	2422	30~1000	-3.20	-64.34	≤-33.2	PASS
11N40MIMO	Ant1	2422	1000~26500	-4.58	-49.34	≤-34.58	PASS
11N40MIMO	Ant2	2422	1000~26500	-3.20	-48.68	≤-33.2	PASS
11N40MIMO	Ant1	2437	0~Reference	-5.61	-5.61	---	PASS
11N40MIMO	Ant2	2437	0~Reference	-5.27	-5.27	---	PASS
11N40MIMO	Ant1	2437	30~1000	-5.61	-63.26	≤-35.61	PASS
11N40MIMO	Ant2	2437	30~1000	-5.27	-64.28	≤-35.27	PASS
11N40MIMO	Ant1	2437	1000~26500	-5.61	-49.52	≤-35.61	PASS
11N40MIMO	Ant2	2437	1000~26500	-5.27	-49.62	≤-35.27	PASS
11N40MIMO	Ant1	2452	0~Reference	-5.60	-5.60	---	PASS
11N40MIMO	Ant2	2452	0~Reference	-5.45	-5.45	---	PASS
11N40MIMO	Ant1	2452	30~1000	-5.60	-63.88	≤-35.6	PASS
11N40MIMO	Ant2	2452	30~1000	-5.45	-63.87	≤-35.45	PASS
11N40MIMO	Ant1	2452	1000~26500	-5.60	-46.53	≤-35.6	PASS
11N40MIMO	Ant2	2452	1000~26500	-5.45	-49.63	≤-35.45	PASS
11AX20MIMO	Ant1	2412	0~Reference	-2.86	-2.86	---	PASS
11AX20MIMO	Ant2	2412	0~Reference	-3.13	-3.13	---	PASS
11AX20MIMO	Ant1	2412	30~1000	-2.86	-64.53	≤-32.86	PASS
11AX20MIMO	Ant2	2412	30~1000	-3.13	-64.55	≤-33.13	PASS
11AX20MIMO	Ant1	2412	1000~26500	-2.86	-49.31	≤-32.86	PASS
11AX20MIMO	Ant2	2412	1000~26500	-3.13	-49.82	≤-33.13	PASS
11AX20MIMO	Ant1	2437	0~Reference	-3.17	-3.17	---	PASS

11AX20MIMO	Ant2	2437	0~Reference	-1.82	-1.82	---	PASS
11AX20MIMO	Ant1	2437	30~1000	-3.17	-64.57	≤-33.17	PASS
11AX20MIMO	Ant2	2437	30~1000	-1.82	-64.07	≤-31.82	PASS
11AX20MIMO	Ant1	2437	1000~26500	-3.17	-49.2	≤-33.17	PASS
11AX20MIMO	Ant2	2437	1000~26500	-1.82	-49.39	≤-31.82	PASS
11AX20MIMO	Ant1	2462	0~Reference	-5.06	-5.06	---	PASS
11AX20MIMO	Ant2	2462	0~Reference	-1.37	-1.37	---	PASS
11AX20MIMO	Ant1	2462	30~1000	-5.06	-63.75	≤-35.06	PASS
11AX20MIMO	Ant2	2462	30~1000	-1.37	-64.02	≤-31.37	PASS
11AX20MIMO	Ant1	2462	1000~26500	-5.06	-49.38	≤-35.06	PASS
11AX20MIMO	Ant2	2462	1000~26500	-1.37	-49.46	≤-31.37	PASS
11AX40MIMO	Ant1	2422	0~Reference	-6.25	-6.25	---	PASS
11AX40MIMO	Ant2	2422	0~Reference	-4.14	-4.14	---	PASS
11AX40MIMO	Ant1	2422	30~1000	-6.25	-64.12	≤-36.25	PASS
11AX40MIMO	Ant2	2422	30~1000	-4.14	-64.1	≤-34.14	PASS
11AX40MIMO	Ant1	2422	1000~26500	-6.25	-49.31	≤-36.25	PASS
11AX40MIMO	Ant2	2422	1000~26500	-4.14	-49.16	≤-34.14	PASS
11AX40MIMO	Ant1	2437	0~Reference	-5.10	-5.10	---	PASS
11AX40MIMO	Ant2	2437	0~Reference	-3.79	-3.79	---	PASS
11AX40MIMO	Ant1	2437	30~1000	-5.10	-64.39	≤-35.1	PASS
11AX40MIMO	Ant2	2437	30~1000	-3.79	-63.92	≤-33.79	PASS
11AX40MIMO	Ant1	2437	1000~26500	-5.10	-43.35	≤-35.1	PASS
11AX40MIMO	Ant2	2437	1000~26500	-3.79	-49.63	≤-33.79	PASS
11AX40MIMO	Ant1	2452	0~Reference	-6.93	-6.93	---	PASS
11AX40MIMO	Ant2	2452	0~Reference	-5.09	-5.09	---	PASS
11AX40MIMO	Ant1	2452	30~1000	-6.93	-64.56	≤-36.93	PASS
11AX40MIMO	Ant2	2452	30~1000	-5.09	-64.82	≤-35.09	PASS
11AX40MIMO	Ant1	2452	1000~26500	-6.93	-46.68	≤-36.93	PASS
11AX40MIMO	Ant2	2452	1000~26500	-5.09	-48.93	≤-35.09	PASS

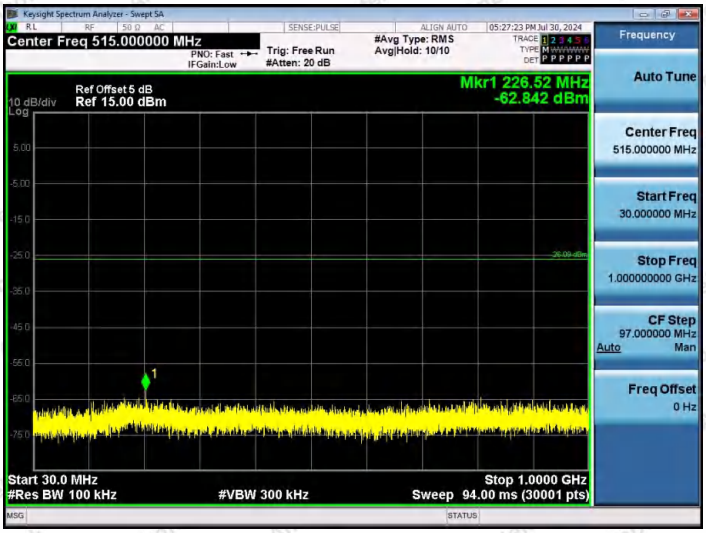
Test Graphs

11B-Ant1-2412-0~Reference-PASS

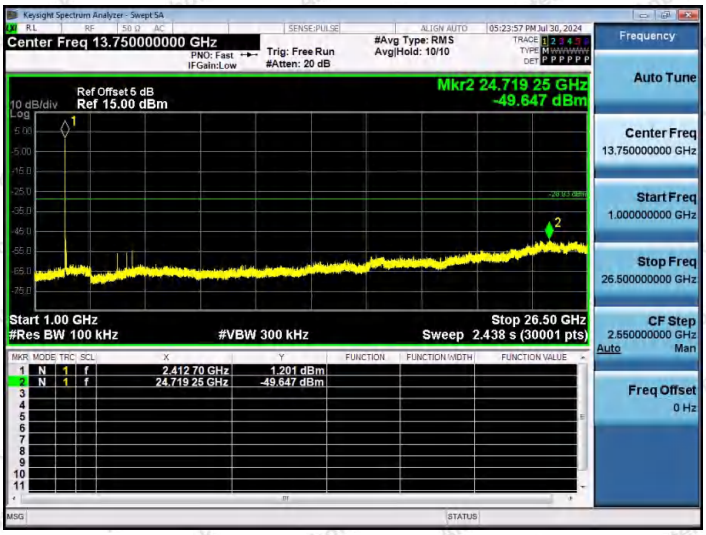
11B-Ant2-2412-0~Reference-PASS



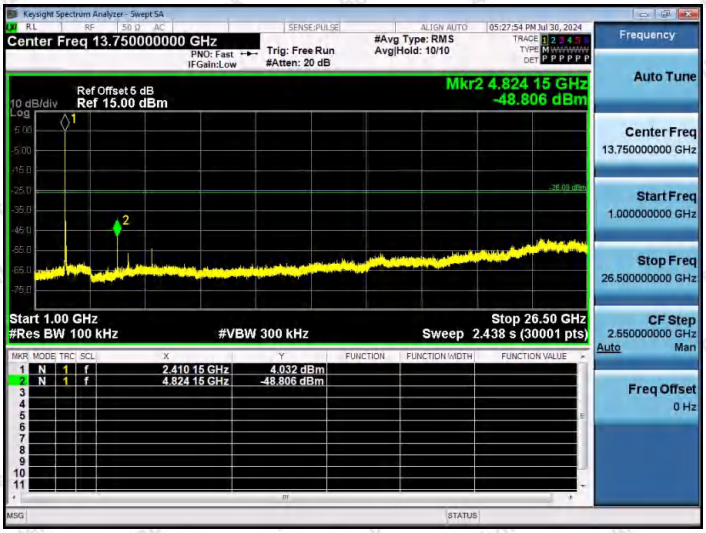
11B-Ant1-2412-30~1000-PASS



11B-Ant2-2412-30~1000-PASS



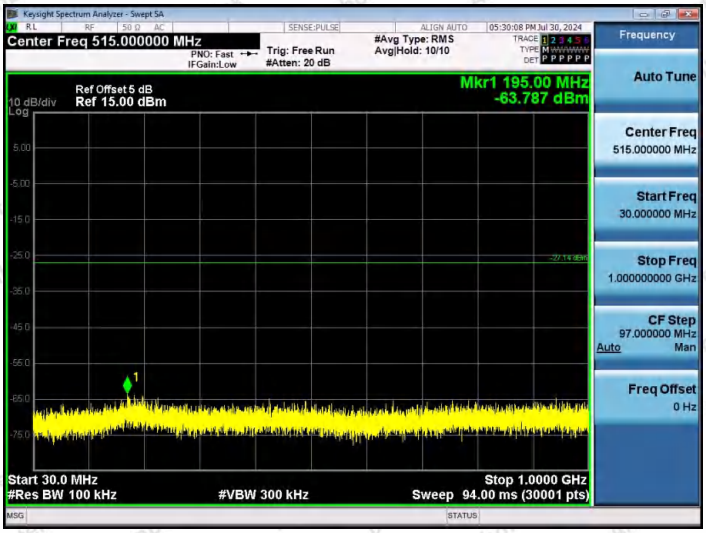
11B-Ant1-2412-1000~26500-PASS



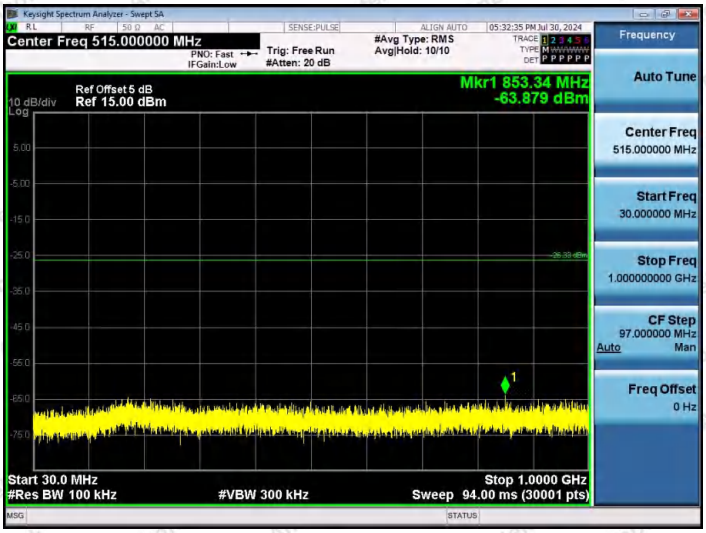
11B-Ant2-2412-1000~26500-PASS

11B-Ant1-2437-0~Reference-PASS

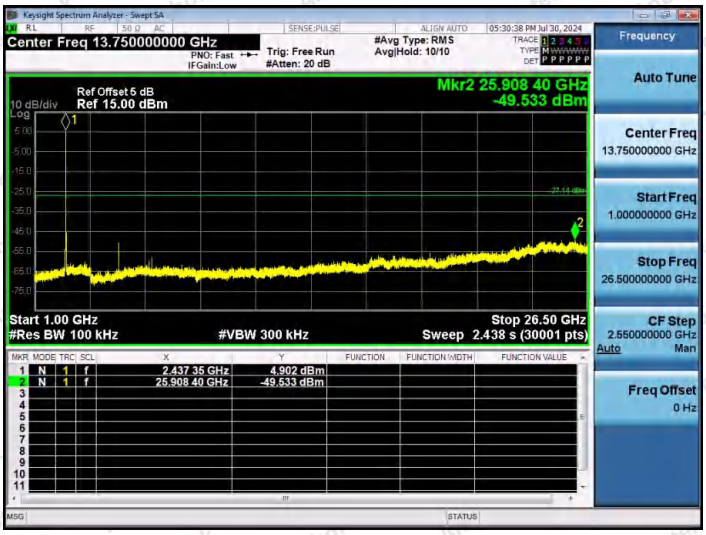
11B-Ant2-2437-0~Reference-PASS



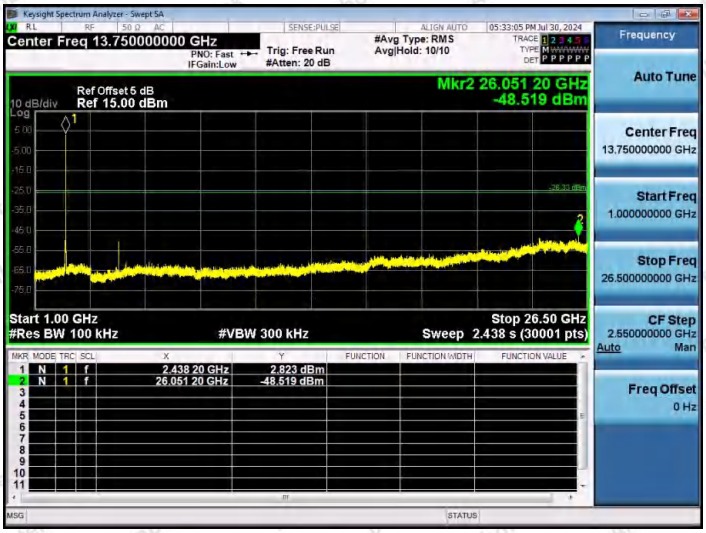
11B-Ant1-2437-30~1000-PASS



11B-Ant2-2437-30~1000-PASS



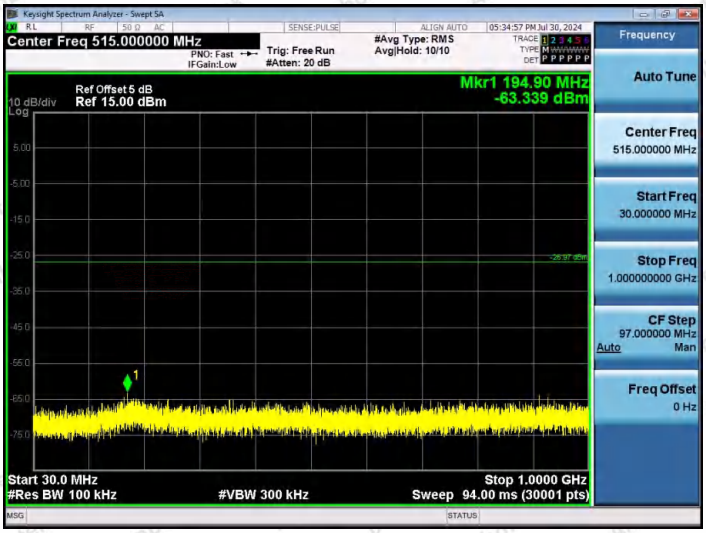
11B-Ant1-2437-1000~26500-PASS



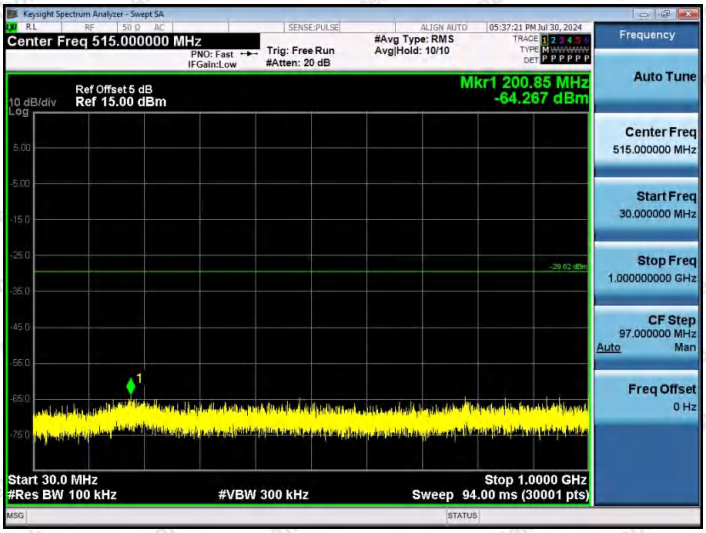
11B-Ant2-2437-1000~26500-PASS

11B-Ant1-2462-0~Reference-PASS

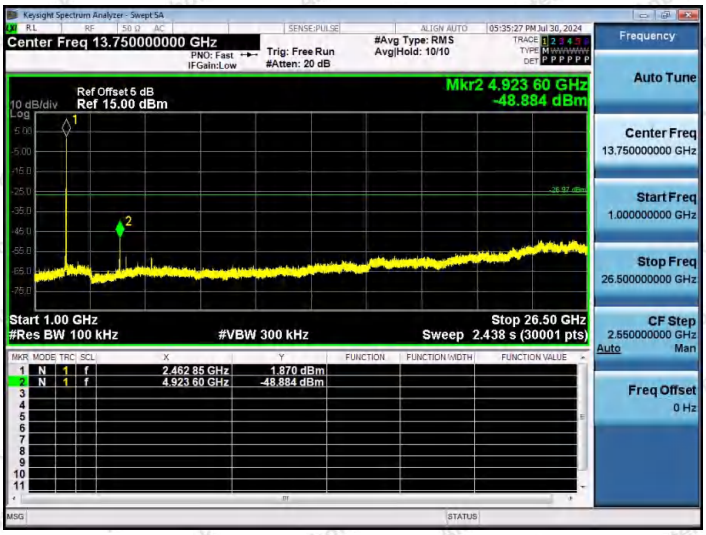
11B-Ant2-2462-0~Reference-PASS



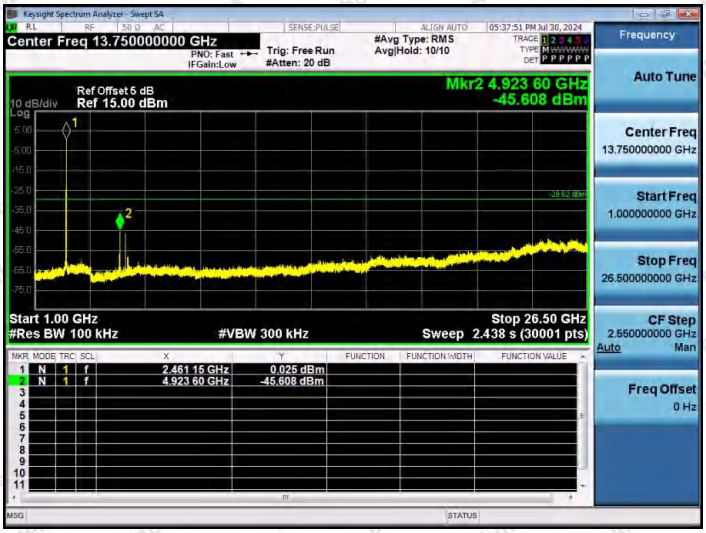
11B-Ant1-2462-30~1000-PASS



11B-Ant2-2462-30~1000-PASS



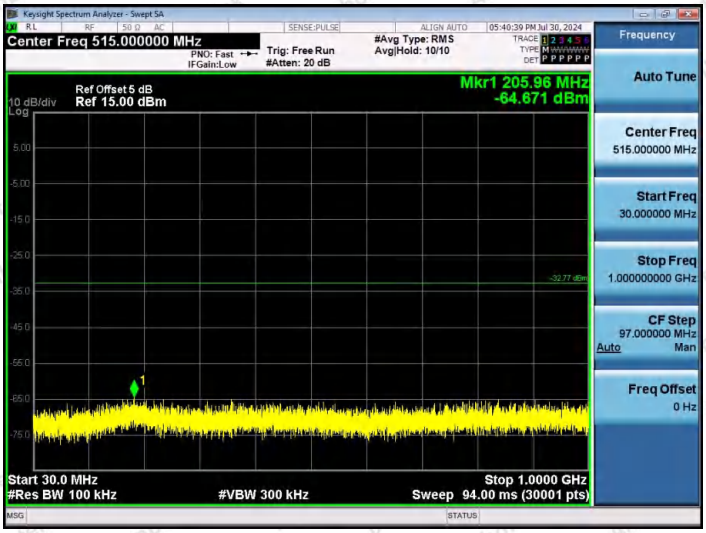
11B-Ant1-2462-1000~26500-PASS



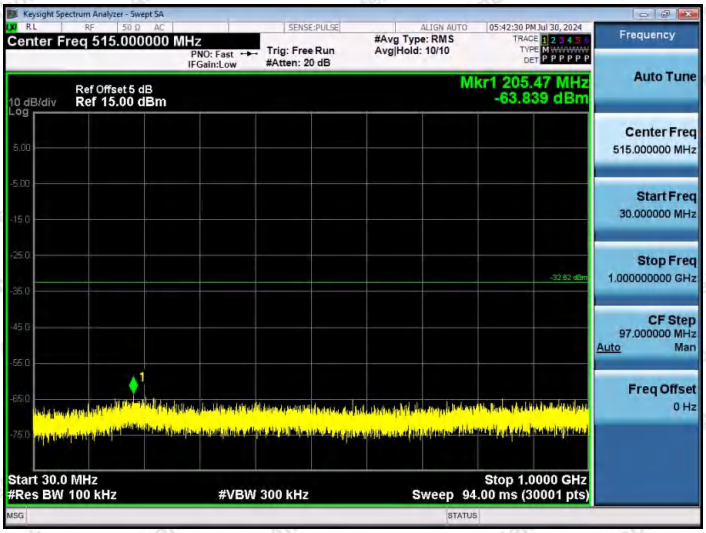
11B-Ant2-2462-1000~26500-PASS

11G-Ant1-2412-0~Reference-PASS

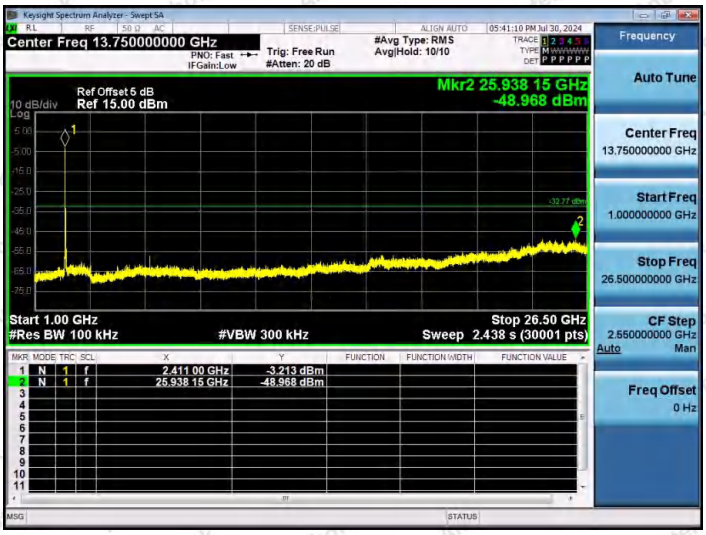
11G-Ant2-2412-0~Reference-PASS



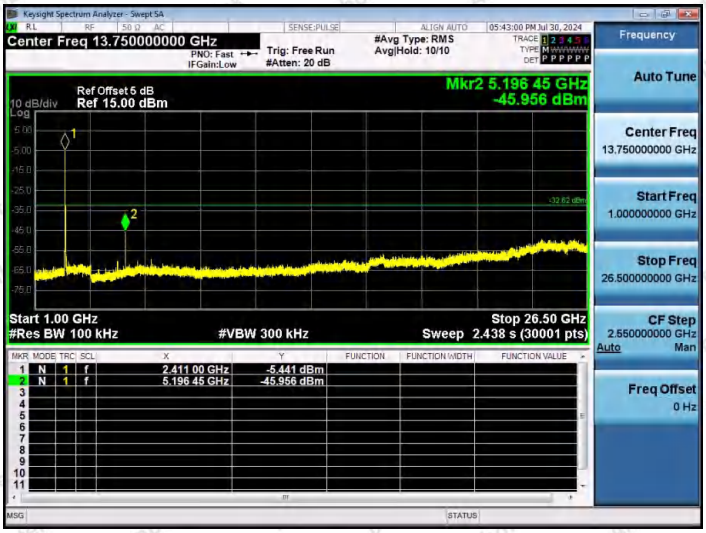
11G-Ant1-2412-30~1000-PASS



11G-Ant2-2412-30~1000-PASS



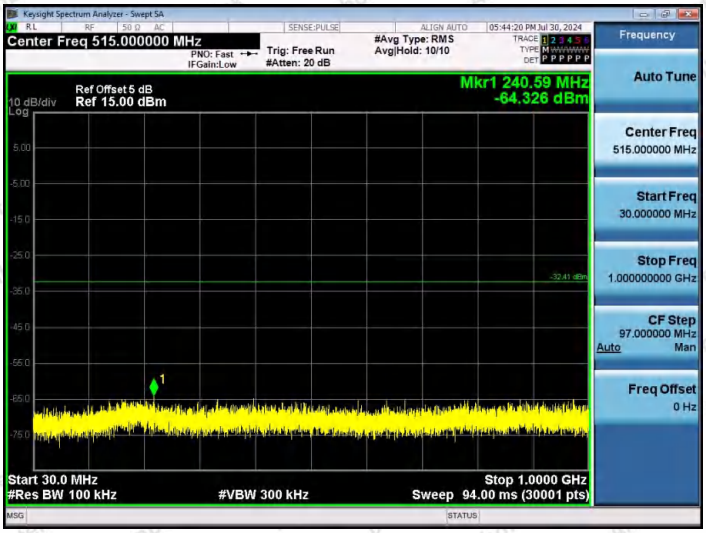
11G-Ant1-2412-1000~26500-PASS



11G-Ant2-2412-1000~26500-PASS

11G-Ant1-2437-0~Reference-PASS

11G-Ant2-2437-0~Reference-PASS



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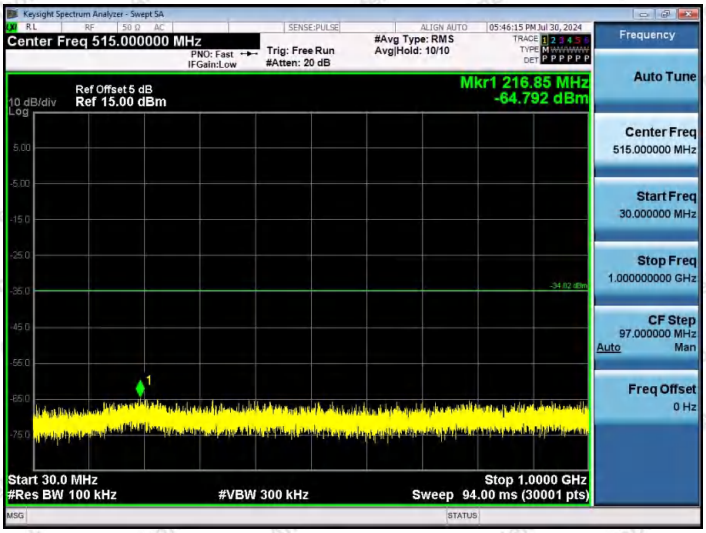
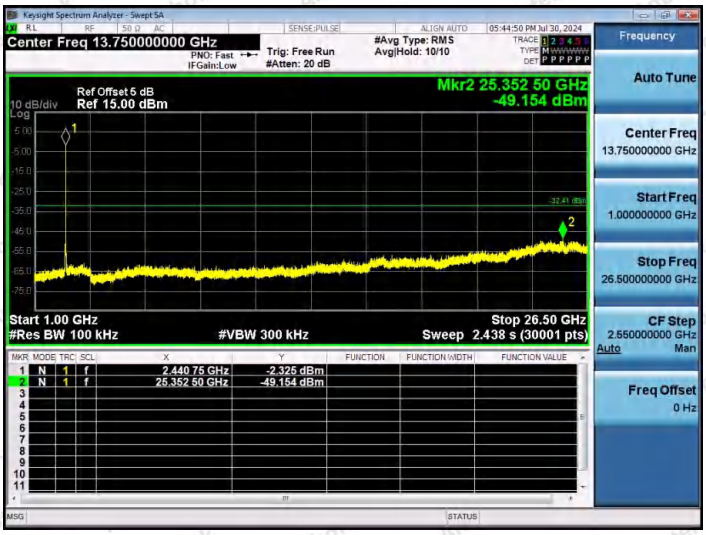


11G-Ant2-2437-30~1000-PASS



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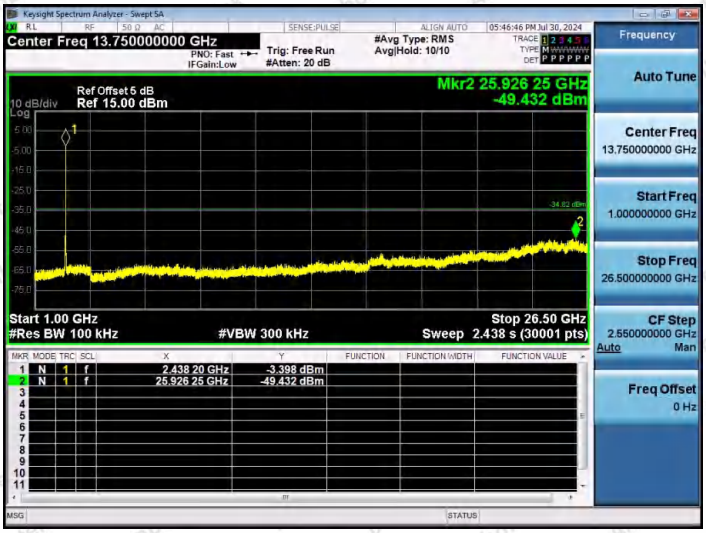
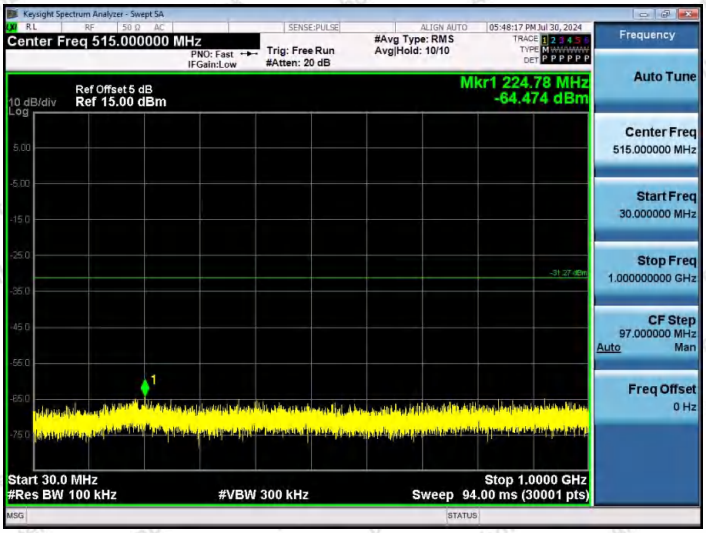


11G-Ant2-2437-1000~26500-PASS

11G-Ant1-2462-0~Reference-PASS

11G-Ant2-2462-0~Reference-PASS



11G-Ant1-2462-30~1000-PASS