Appendix Test Data

Report No.:	182512C400513101	Test Sample No.:	1-2-2
Start Test Date:	2024.7.30	Finish Test Date:	2024.7.31
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	22.9℃	Relative Humidity:	52%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

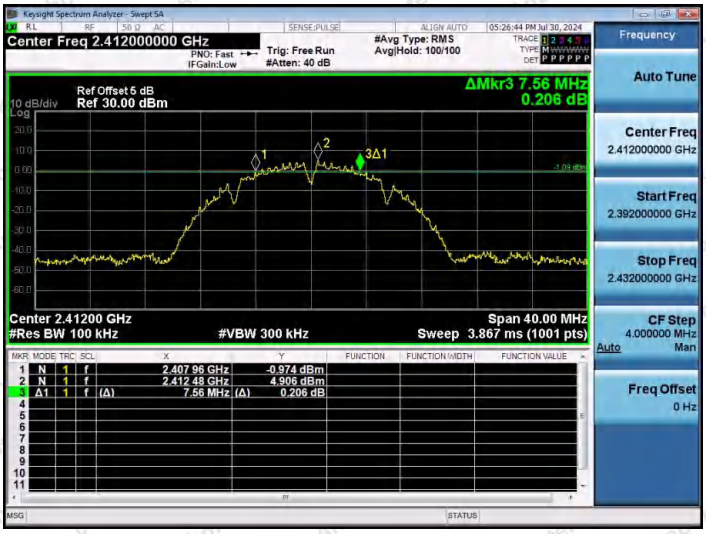
Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.520	2408.440	2415.960	0.5	PASS
11B	Ant2	2412	7.560	2407.960	2415.520	0.5	PASS
11B	Ant1	2437	7.560	2433.440	2441.000	0.5	PASS
11B	Ant2	2437	7.560	2432.960	2440.520	0.5	PASS
11B	Ant1	2462	8.040	2457.960	2466.000	0.5	PASS
11B	Ant2	2462	8.560	2457.920	2466.480	0.5	PASS
11G	Ant1	2412	15.120	2404.400	2419.520	0.5	PASS
11G	Ant2	2412	15.400	2404.080	2419.480	0.5	PASS
11G	Ant1	2437	16.360	2428.800	2445.160	0.5	PASS
11G	Ant2	2437	12.520	2430.720	2443.240	0.5	PASS
11G	Ant1	2462	15.440	2454.080	2469.520	0.5	PASS
11G	Ant2	2462	16.280	2453.840	2470.120	0.5	PASS
11N20MIMO	Ant1	2412	15.040	2404.480	2419.520	0.5	PASS
11N20MIMO	Ant2	2412	13.920	2404.400	2418.320	0.5	PASS
11N20MIMO	Ant1	2437	12.680	2430.640	2443.320	0.5	PASS
11N20MIMO	Ant2	2437	13.360	2431.120	2444.480	0.5	PASS
11N20MIMO	Ant1	2462	12.760	2454.480	2467.240	0.5	PASS
11N20MIMO	Ant2	2462	16.000	2453.560	2469.560	0.5	PASS
11N40MIMO	Ant1	2422	30.000	2407.040	2437.040	0.5	PASS
11N40MIMO	Ant2	2422	35.120	2404.400	2439.520	0.5	PASS
11N40MIMO	Ant1	2437	33.840	2419.400	2453.240	0.5	PASS
11N40MIMO	Ant2	2437	32.480	2420.760	2453.240	0.5	PASS
11N40MIMO	Ant1	2452	33.840	2435.680	2469.520	0.5	PASS

11N40MIMO	Ant2	2452	31.280	2435.680	2466.960	0.5	PASS
11AX20MIMO	Ant1	2412	11.920	2406.320	2418.240	0.5	PASS
11AX20MIMO	Ant2	2412	11.920	2404.440	2416.360	0.5	PASS
11AX20MIMO	Ant1	2437	15.120	2429.440	2444.560	0.5	PASS
11AX20MIMO	Ant2	2437	13.760	2430.680	2444.440	0.5	PASS
11AX20MIMO	Ant1	2462	15.040	2454.480	2469.520	0.5	PASS
11AX20MIMO	Ant2	2462	13.800	2454.480	2468.280	0.5	PASS
11AX40MIMO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
11AX40MIMO	Ant2	2422	33.840	2405.680	2439.520	0.5	PASS
11AX40MIMO	Ant1	2437	35.120	2419.400	2454.520	0.5	PASS
11AX40MIMO	Ant2	2437	32.560	2419.400	2451.960	0.5	PASS
11AX40MIMO	Ant1	2452	35.040	2434.480	2469.520	0.5	PASS
11AX40MIMO	Ant2	2452	33.760	2435.680	2469.440	0.5	PASS

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

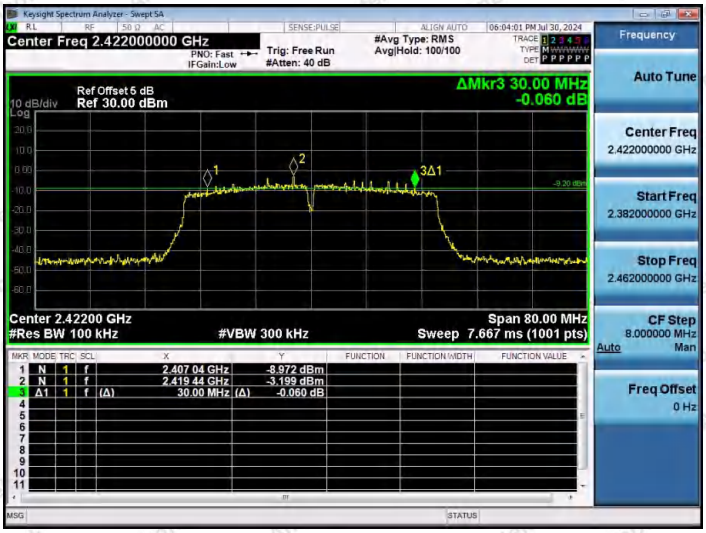
11N20MIMO-Ant2-2412-PASS

11N20MIMO-Ant1-2437-PASS

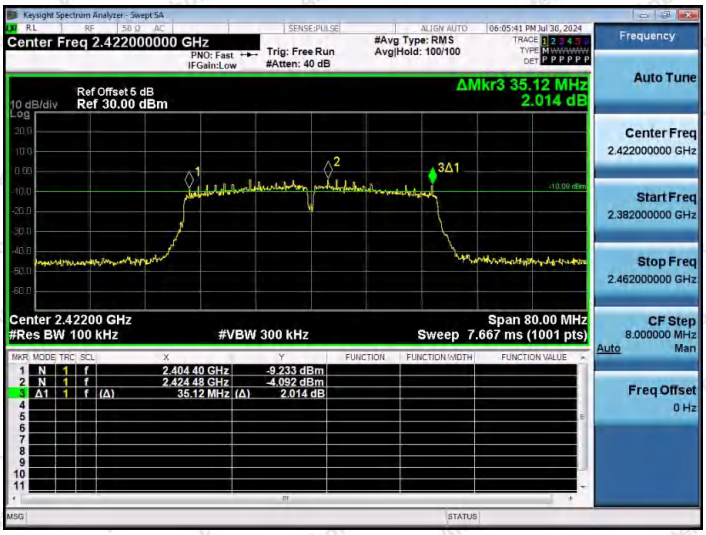
11N20MIMO-Ant2-2437-PASS

11N20MIMO-Ant1-2462-PASS

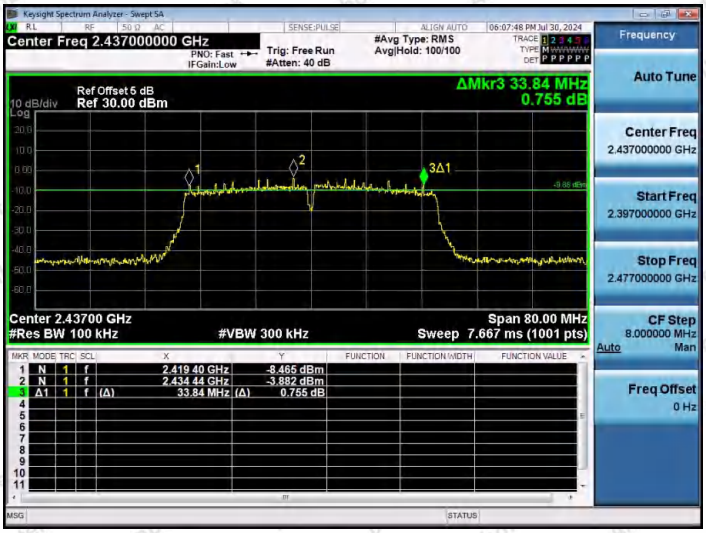
11N20MIMO-Ant2-2462-PASS



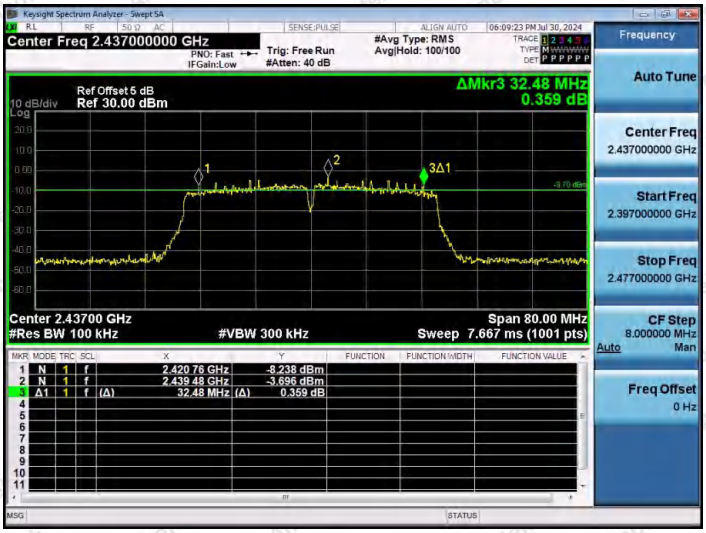
11N40MIMO-Ant1-2422-PASS



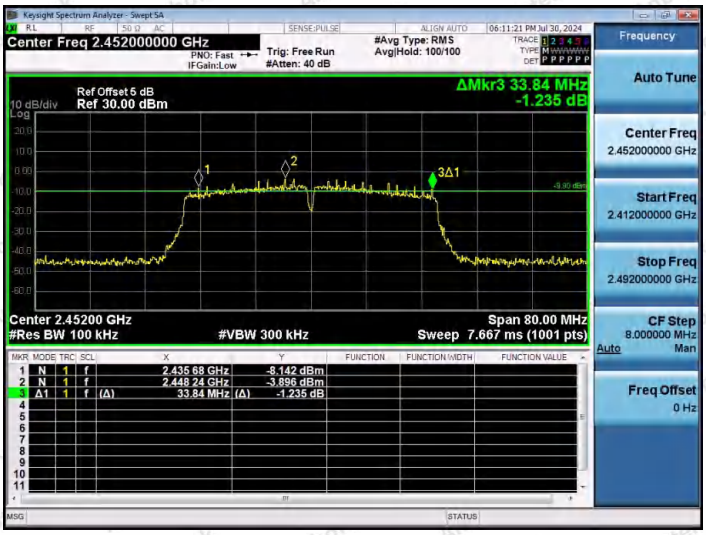
11N40MIMO-Ant2-2422-PASS



11N40MIMO-Ant1-2437-PASS



11N40MIMO-Ant2-2437-PASS



11N40MIMO-Ant1-2452-PASS

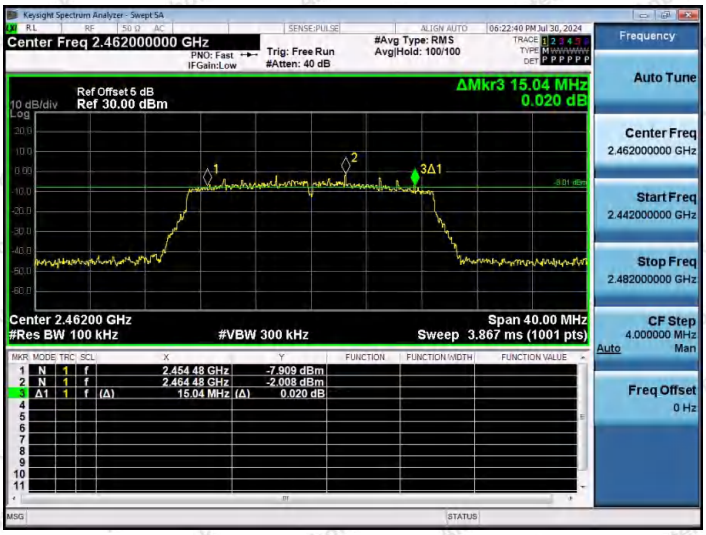
11N40MIMO-Ant2-2452-PASS

11AX20MIMO-Ant1-2412-PASS

11AX20MIMO-Ant2-2412-PASS

11AX20MIMO-Ant1-2437-PASS

11AX20MIMO-Ant2-2437-PASS

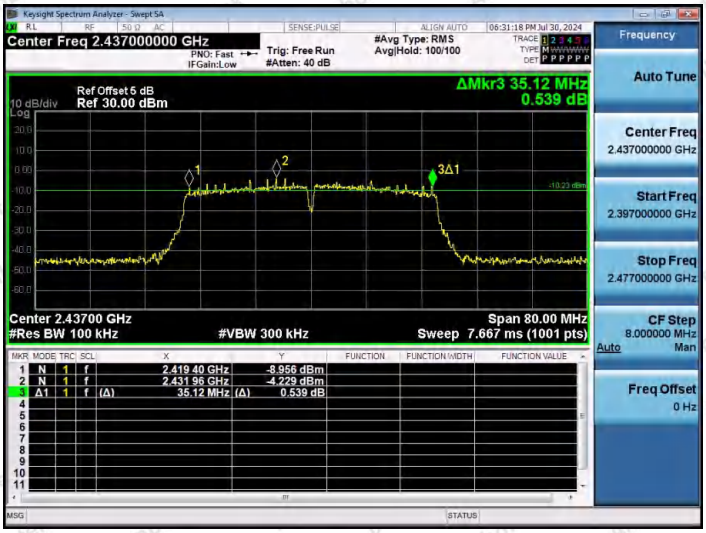


11AX20MIMO-Ant1-2462-PASS

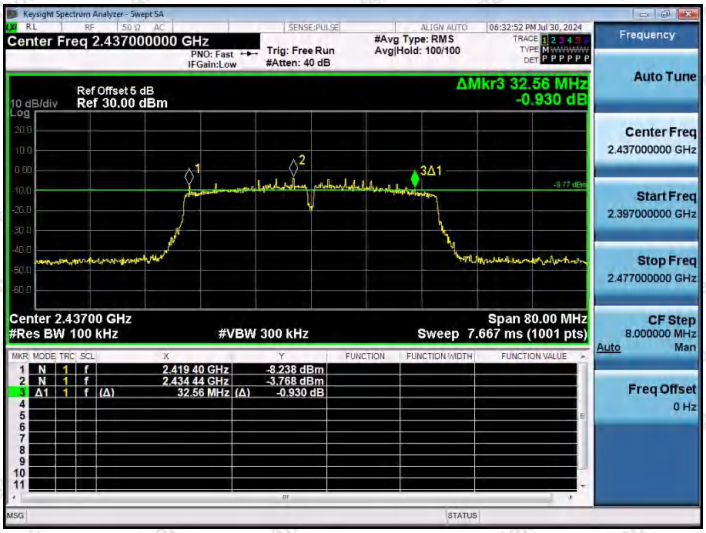
11AX20MIMO-Ant2-2462-PASS

11AX40MIMO-Ant1-2422-PASS

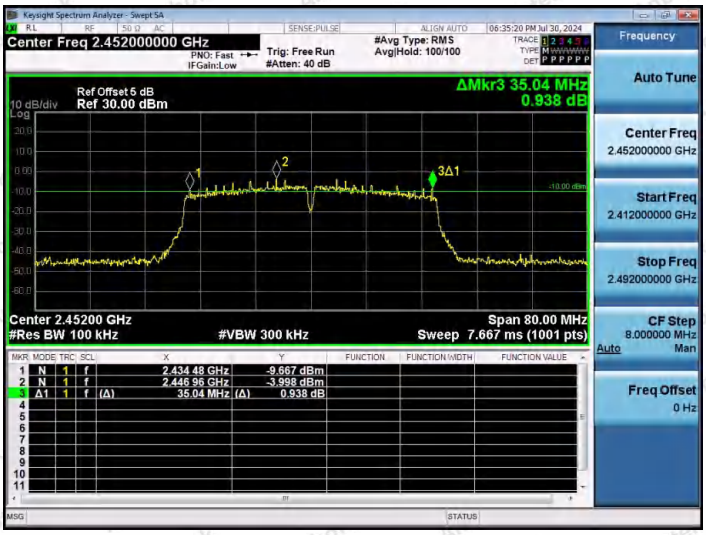
11AX40MIMO-Ant2-2422-PASS



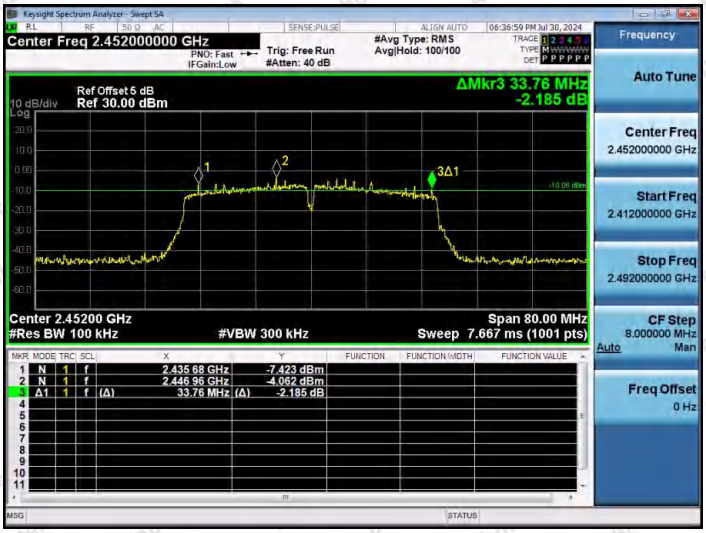
11AX40MIMO-Ant1-2437-PASS



11AX40MIMO-Ant2-2437-PASS



11AX40MIMO-Ant1-2452-PASS



11AX40MIMO-Ant2-2452-PASS

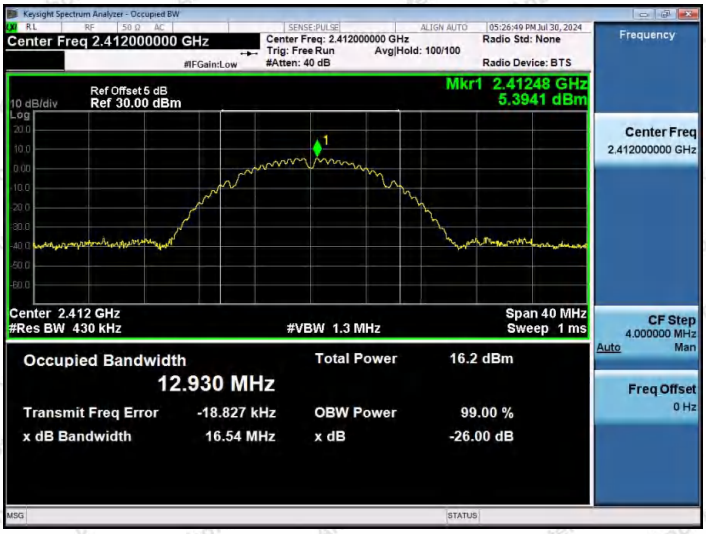
Appendix B: 99% Occupied Bandwidth

Test Result

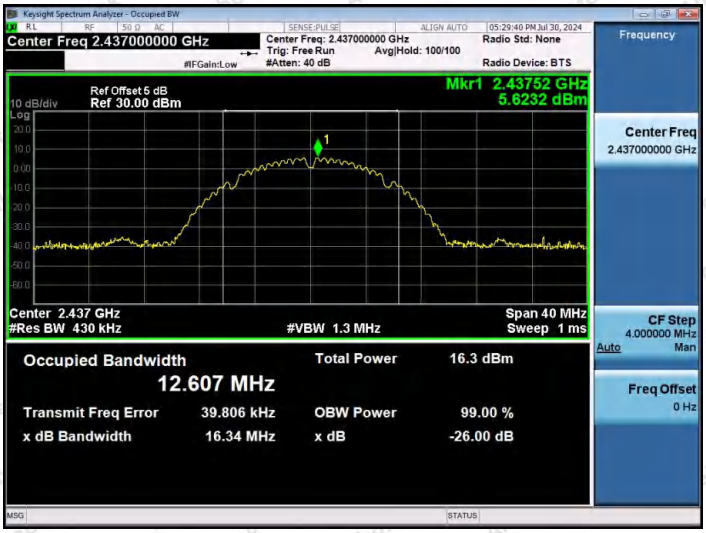
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.449	2405.7514	2418.2004	---	---
11B	Ant2	2412	12.930	2405.5162	2418.4462	---	---
11B	Ant1	2437	12.607	2430.7363	2443.3433	---	---
11B	Ant2	2437	12.318	2430.7848	2443.1028	---	---
11B	Ant1	2462	12.555	2455.6330	2468.1880	---	---
11B	Ant2	2462	12.979	2455.4961	2468.4751	---	---
11G	Ant1	2412	16.508	2403.6690	2420.1770	---	---
11G	Ant2	2412	16.858	2403.5877	2420.4457	---	---
11G	Ant1	2437	16.707	2428.6581	2445.3651	---	---
11G	Ant2	2437	16.554	2428.7172	2445.2712	---	---
11G	Ant1	2462	16.738	2453.5893	2470.3273	---	---
11G	Ant2	2462	16.969	2453.5089	2470.4779	---	---
11N20MIMO	Ant1	2412	17.476	2403.2089	2420.6849	---	---
11N20MIMO	Ant2	2412	17.504	2403.1960	2420.7000	---	---
11N20MIMO	Ant1	2437	17.751	2428.1334	2445.8844	---	---
11N20MIMO	Ant2	2437	17.730	2428.1441	2445.8741	---	---
11N20MIMO	Ant1	2462	17.742	2453.0877	2470.8297	---	---
11N20MIMO	Ant2	2462	17.748	2453.0621	2470.8101	---	---
11N40MIMO	Ant1	2422	35.940	2404.1047	2440.0447	---	---
11N40MIMO	Ant2	2422	36.029	2404.0481	2440.0771	---	---
11N40MIMO	Ant1	2437	36.039	2418.9758	2455.0148	---	---
11N40MIMO	Ant2	2437	36.092	2418.9677	2455.0597	---	---
11N40MIMO	Ant1	2452	35.916	2434.0514	2469.9674	---	---
11N40MIMO	Ant2	2452	35.897	2434.0150	2469.9120	---	---
11AX20MIMO	Ant1	2412	17.540	2403.1500	2420.6900	---	---
11AX20MIMO	Ant2	2412	17.509	2403.1733	2420.6823	---	---
11AX20MIMO	Ant1	2437	17.785	2428.1105	2445.8955	---	---
11AX20MIMO	Ant2	2437	17.784	2428.1316	2445.9156	---	---
11AX20MIMO	Ant1	2462	17.726	2453.0861	2470.8121	---	---
11AX20MIMO	Ant2	2462	17.710	2453.1152	2470.8252	---	---
11AX40MIMO	Ant1	2422	36.036	2404.0813	2440.1173	---	---
11AX40MIMO	Ant2	2422	36.020	2404.1129	2440.1329	---	---
11AX40MIMO	Ant1	2437	36.122	2418.9049	2455.0269	---	---
11AX40MIMO	Ant2	2437	36.063	2418.9435	2455.0065	---	---
11AX40MIMO	Ant1	2452	35.928	2434.0558	2469.9838	---	---
11AX40MIMO	Ant2	2452	35.968	2434.0439	2470.0119	---	---

Test Graphs

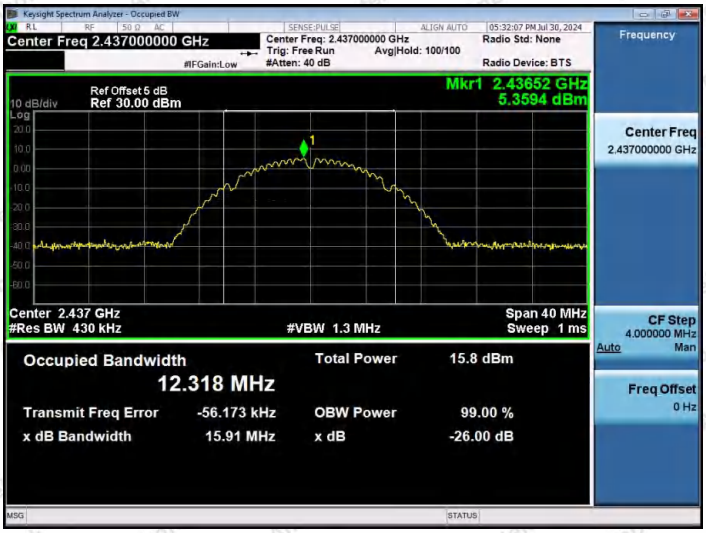
11B-Ant1-2412



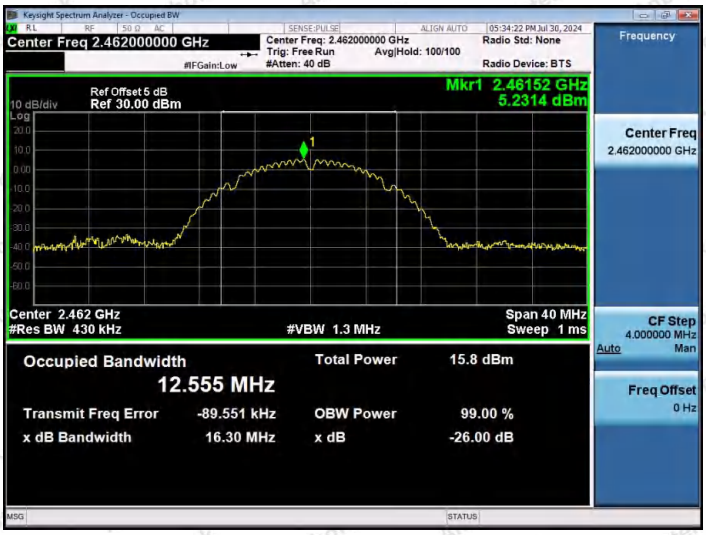
11B-Ant2-2412



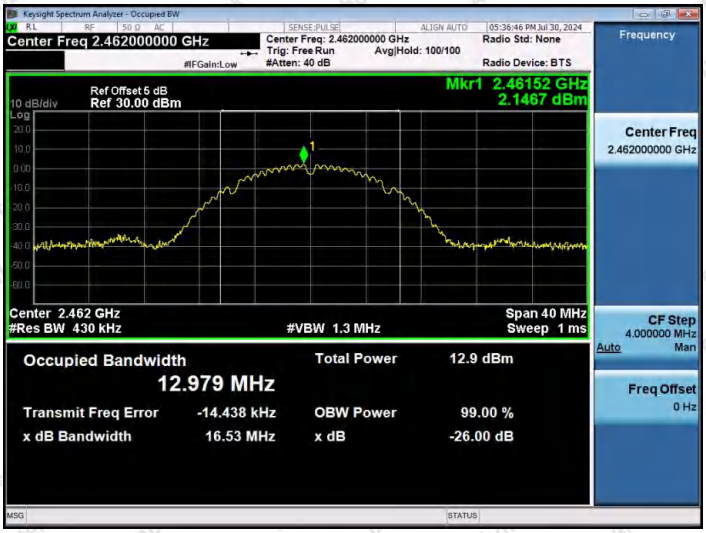
11B-Ant1-2437



11B-Ant2-2437



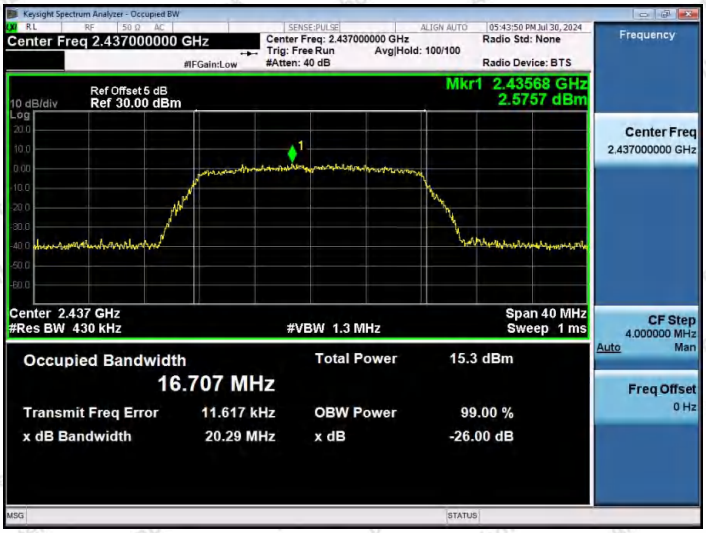
11B-Ant1-2462



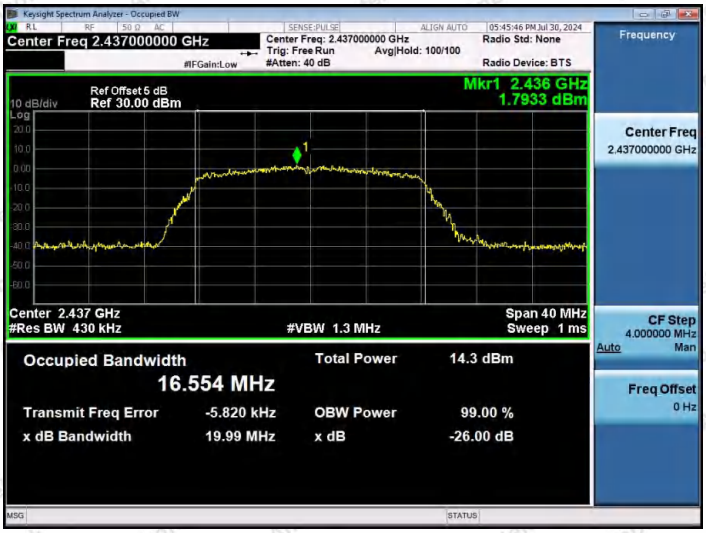
11B-Ant2-2462

11G-Ant1-2412

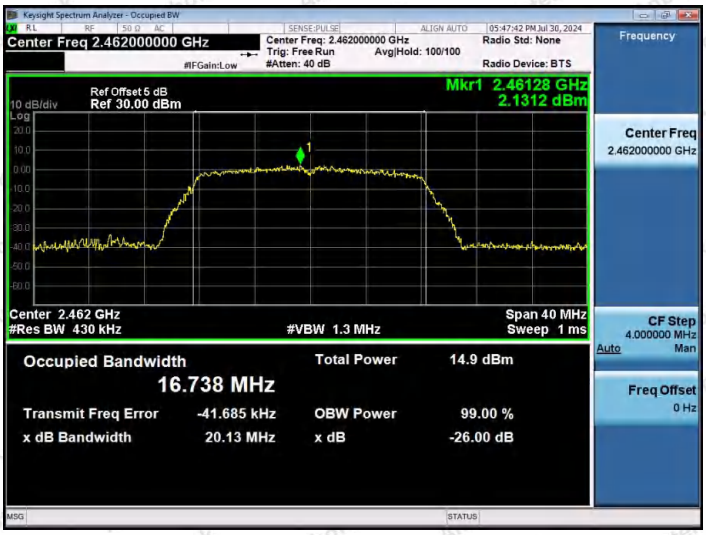
11G-Ant2-2412



11G-Ant1-2437



11G-Ant2-2437

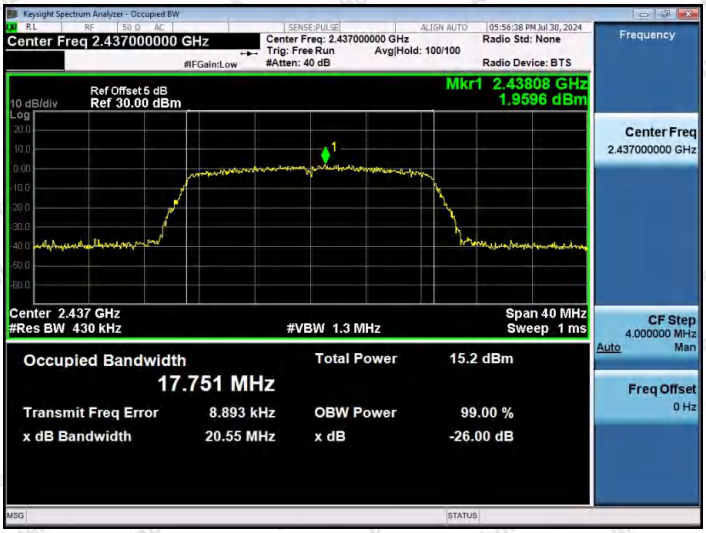


11G-Ant1-2462

11G-Ant2-2462

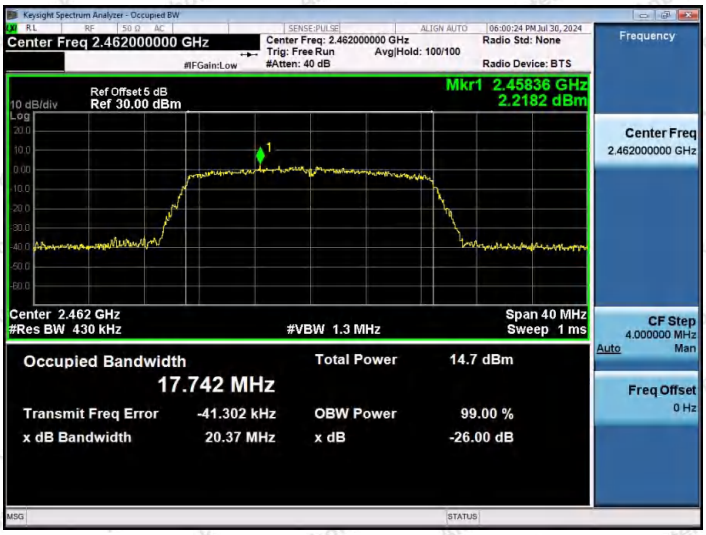
11N20MIMO-Ant1-2412

11N20MIMO-Ant2-2412

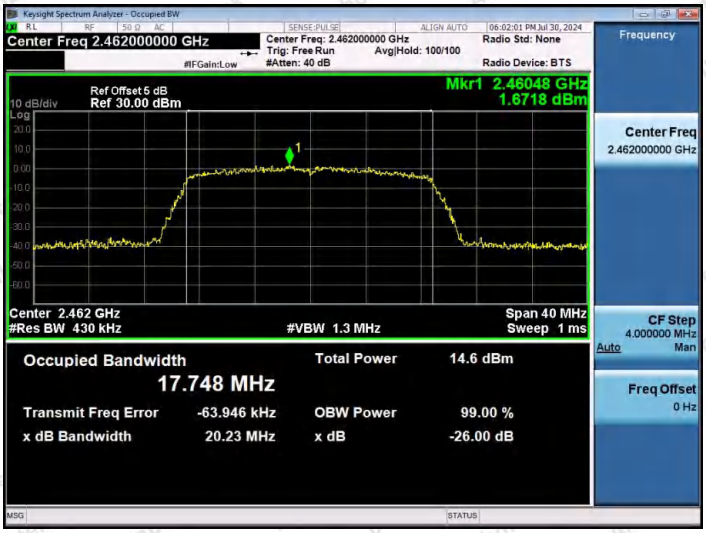


11N20MIMO-Ant1-2437

11N20MIMO-Ant2-2437

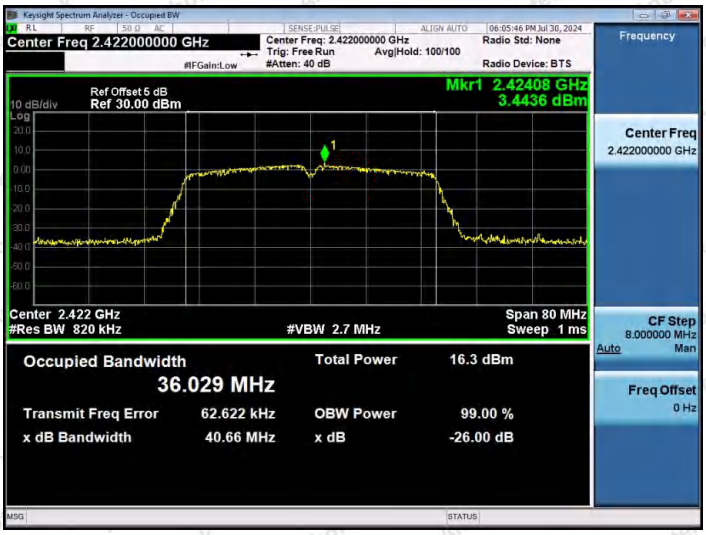


11N20MIMO-Ant1-2462



11N20MIMO-Ant2-2462

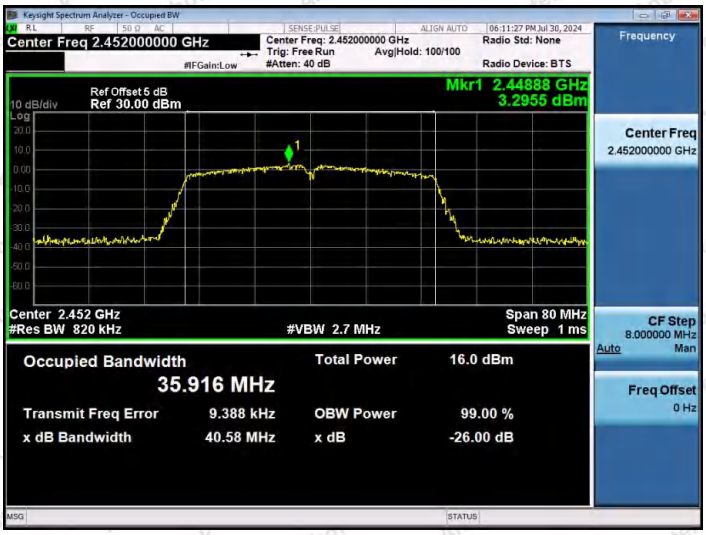
11N40MIMO-Ant1-2422



11N40MIMO-Ant2-2422

11N40MIMO-Ant1-2437

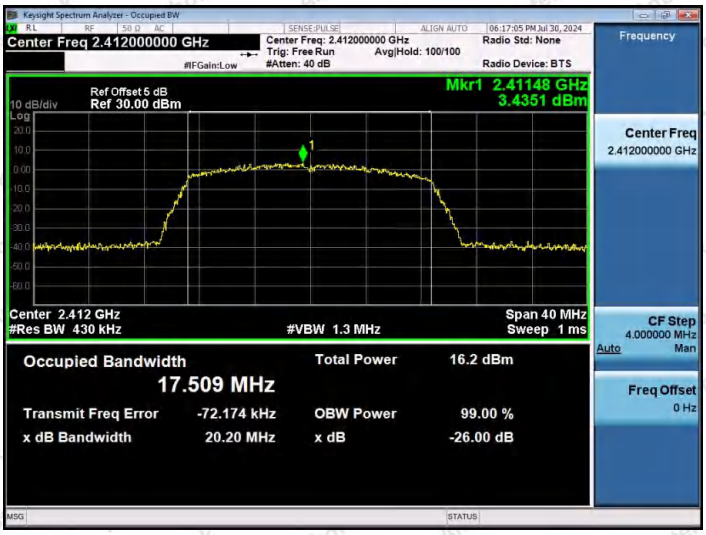
11N40MIMO-Ant2-2437



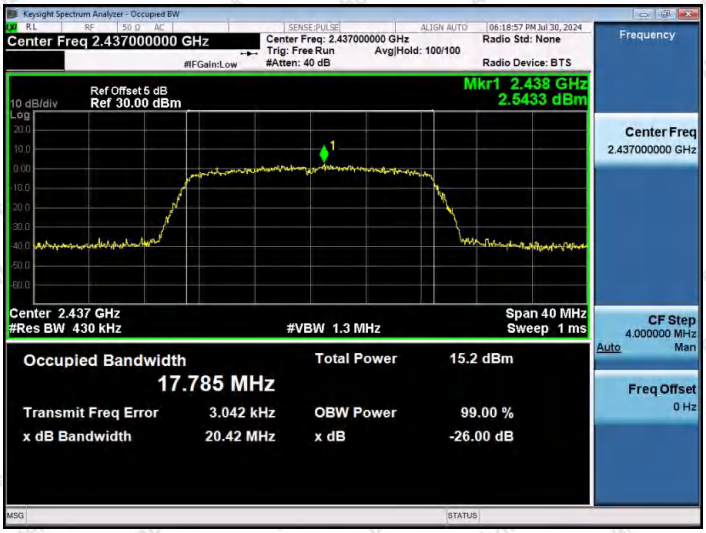
11N40MIMO-Ant1-2452

11N40MIMO-Ant2-2452

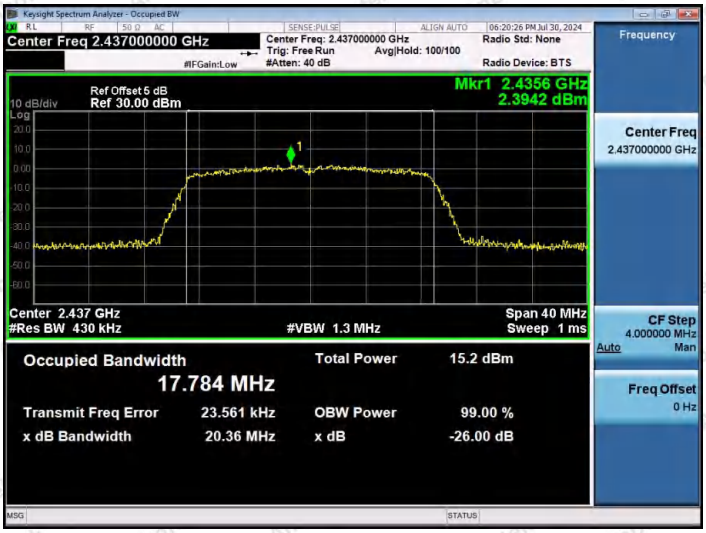
11AX20MIMO-Ant1-2412



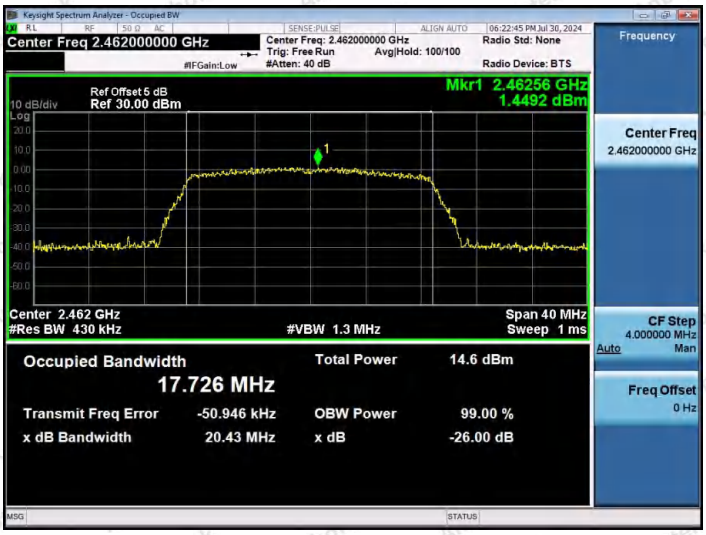
11AX20MIMO-Ant2-2412



11AX20MIMO-Ant1-2437



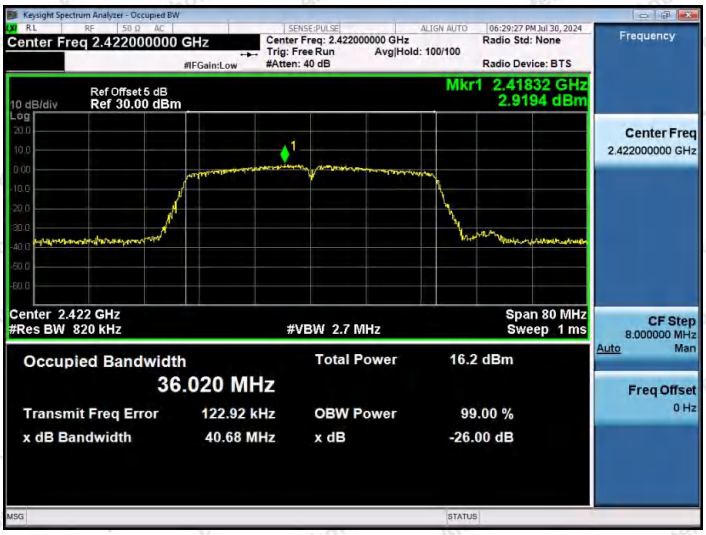
11AX20MIMO-Ant2-2437



11AX20MIMO-Ant1-2462

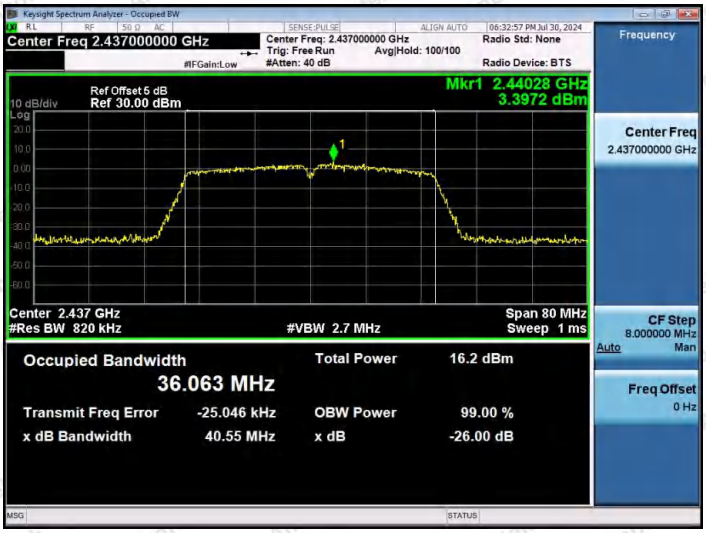
11AX20MIMO-Ant2-2462

11AX40MIMO-Ant1-2422

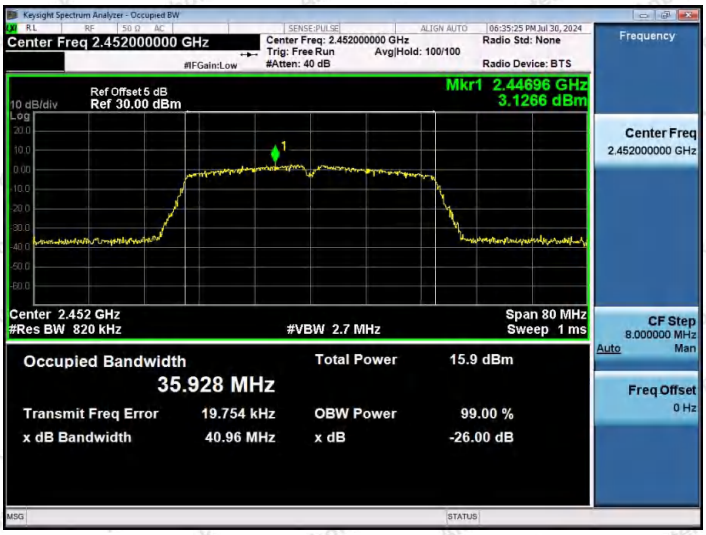


11AX40MIMO-Ant2-2422

11AX40MIMO-Ant1-2437



11AX40MIMO-Ant2-2437



11AX40MIMO-Ant1-2452

11AX40MIMO-Ant2-2452

Appendix C: Maximum conducted output power

Test Result Average

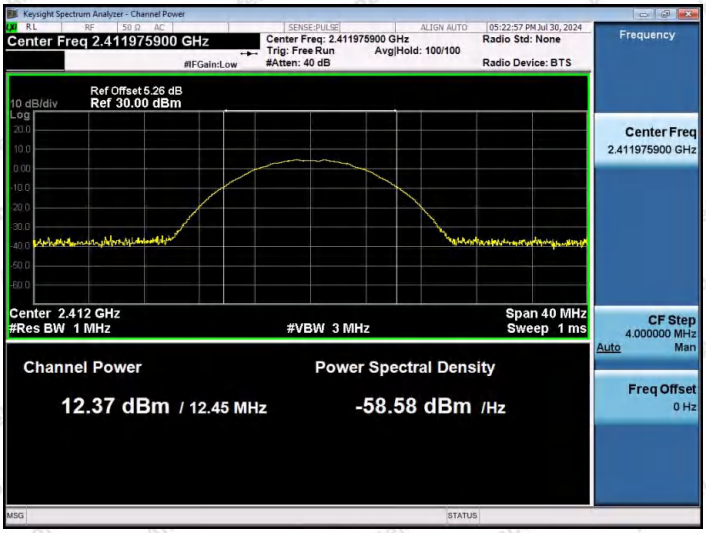
Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	12.11	94.26	0.26	12.37	≤30.00	PASS
11B	Ant2	2412	14.64	94.16	0.26	14.90	≤30.00	PASS
11B	Ant1	2437	14.72	94.17	0.26	14.98	≤30.00	PASS
11B	Ant2	2437	14.23	94.16	0.26	14.49	≤30.00	PASS
11B	Ant1	2462	14.19	94.16	0.26	14.45	≤30.00	PASS
11B	Ant2	2462	11.32	94.26	0.26	11.58	≤30.00	PASS
11G	Ant1	2412	14.85	72.40	1.40	16.25	≤30.00	PASS
11G	Ant2	2412	12.89	72.02	1.43	14.32	≤30.00	PASS
11G	Ant1	2437	13.71	58.90	2.30	16.01	≤30.00	PASS
11G	Ant2	2437	13.00	71.65	1.45	14.45	≤30.00	PASS
11G	Ant1	2462	13.19	72.40	1.40	14.59	≤30.00	PASS
11G	Ant2	2462	11.05	72.02	1.43	12.48	≤30.00	PASS
11N20MIMO	Ant1	2412	14.72	70.65	1.51	16.23	≤30.00	PASS
11N20MIMO	Ant2	2412	14.67	70.65	1.51	16.18	≤30.00	PASS
11N20MIMO	total	2412	---	---	---	19.22	≤30.00	PASS
11N20MIMO	Ant1	2437	13.57	71.04	1.48	15.05	≤30.00	PASS
11N20MIMO	Ant2	2437	13.58	71.04	1.48	15.06	≤30.00	PASS
11N20MIMO	total	2437	---	---	---	18.07	≤30.00	PASS

11N20MIMO	Ant1	2462	13.00	69.52	1.58	14.58	≤30.00	PASS
11N20MIMO	Ant2	2462	13.11	69.89	1.56	14.67	≤30.00	PASS
11N20MIMO	total	2462	---	---	---	17.64	≤30.00	PASS
11N40MIMO	Ant1	2422	13.75	53.78	2.69	16.44	≤30.00	PASS
11N40MIMO	Ant2	2422	13.71	53.78	2.69	16.40	≤30.00	PASS
11N40MIMO	total	2422	---	---	---	19.43	≤30.00	PASS
11N40MIMO	Ant1	2437	13.67	55.08	2.59	16.26	≤30.00	PASS
11N40MIMO	Ant2	2437	13.63	54.17	2.66	16.29	≤30.00	PASS
11N40MIMO	total	2437	---	---	---	19.29	≤30.00	PASS
11N40MIMO	Ant1	2452	13.48	56.52	2.48	15.96	≤30.00	PASS
11N40MIMO	Ant2	2452	13.43	53.78	2.69	16.12	≤30.00	PASS
11N40MIMO	total	2452	---	---	---	19.05	≤30.00	PASS
11AX20MIMO	Ant1	2412	14.68	69.95	1.55	16.23	≤30.00	PASS
11AX20MIMO	Ant2	2412	14.72	70.88	1.49	16.21	≤30.00	PASS
11AX20MIMO	total	2412	---	---	---	19.23	≤30.00	PASS
11AX20MIMO	Ant1	2437	13.55	69.57	1.58	15.13	≤30.00	PASS
11AX20MIMO	Ant2	2437	13.57	70.11	1.54	15.11	≤30.00	PASS
11AX20MIMO	total	2437	---	---	---	18.13	≤30.00	PASS
11AX20MIMO	Ant1	2462	13.09	70.11	1.54	14.63	≤30.00	PASS
11AX20MIMO	Ant2	2462	13.07	70.11	1.54	14.61	≤30.00	PASS
11AX20MIMO	total	2462	---	---	---	17.63	≤30.00	PASS
11AX40M	Ant1	2422	13.60	53.39	2.73	16.33	≤30.0	PASS

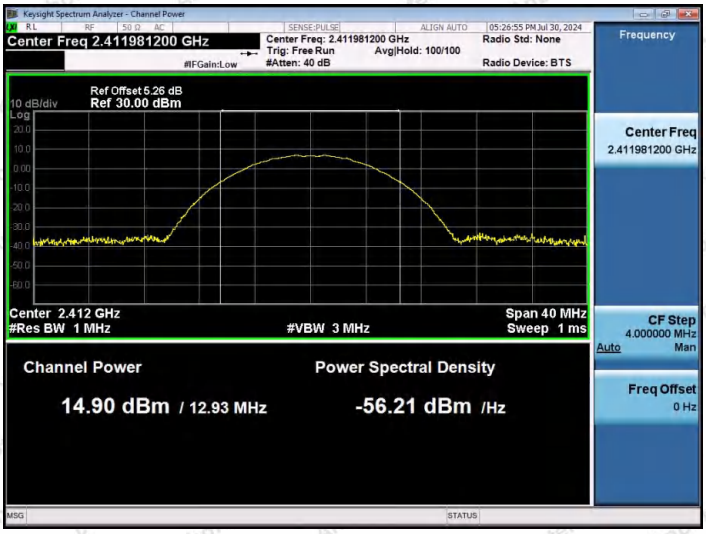
IMO							0	
11AX40M IMO	Ant2	2422	13.75	53.39	2.73	16.48	≤30.00	PASS
11AX40M IMO	total	2422	---	---	---	19.42	≤30.00	PASS
11AX40M IMO	Ant1	2437	13.61	53.39	2.73	16.34	≤30.00	PASS
11AX40M IMO	Ant2	2437	13.73	53.39	2.73	16.46	≤30.00	PASS
11AX40M IMO	total	2437	---	---	---	19.41	≤30.00	PASS
11AX40M IMO	Ant1	2452	13.36	52.50	2.80	16.16	≤30.00	PASS
11AX40M IMO	Ant2	2452	13.35	53.39	2.73	16.08	≤30.00	PASS
11AX40M IMO	total	2452	---	---	---	19.13	≤30.00	PASS

Note：The Duty Cycle Factor(10*log(1/D)) and cable loss are compensated in the graph.

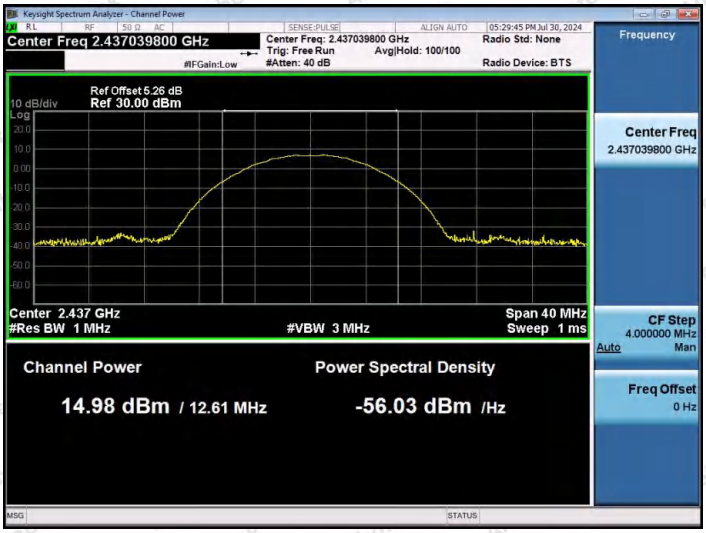
Test Graphs Average



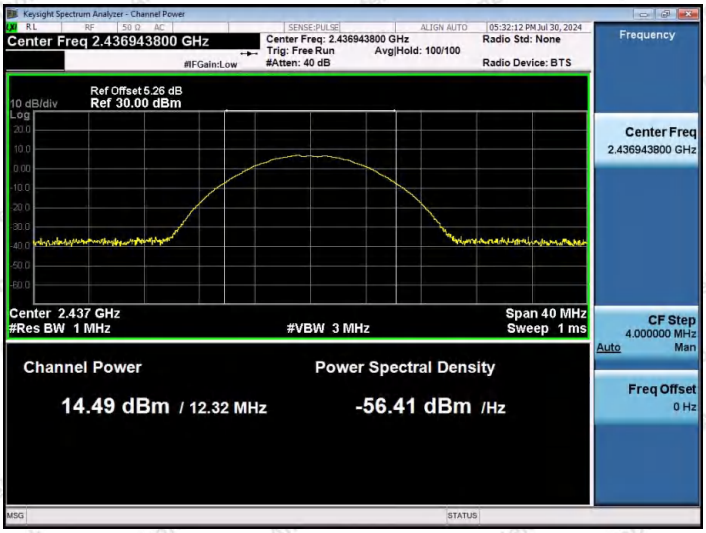
11B-Ant1-2412-PASS



11B-Ant2-2412-PASS



11B-Ant1-2437-PASS



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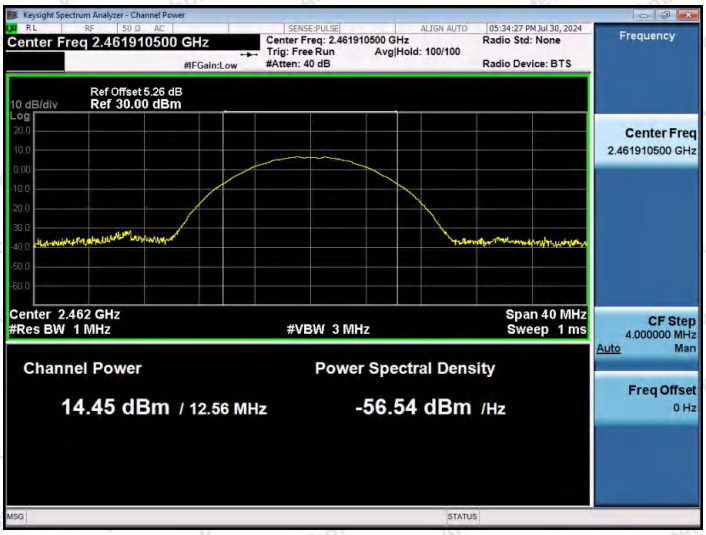
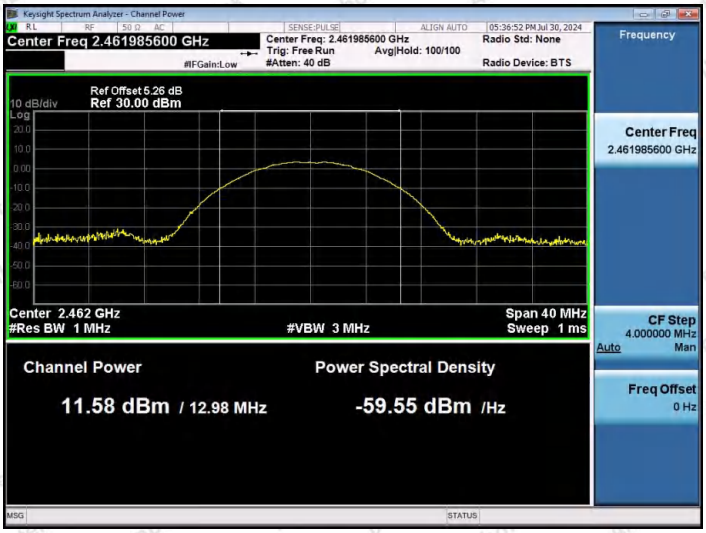


11B-Ant1-2462-PASS



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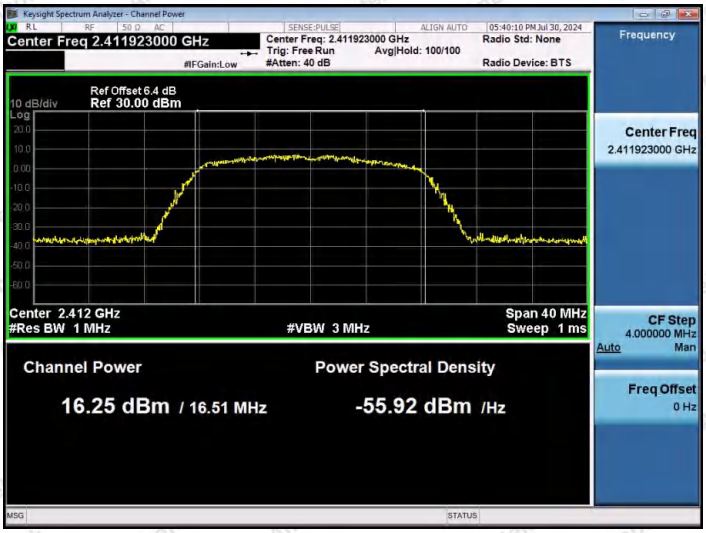
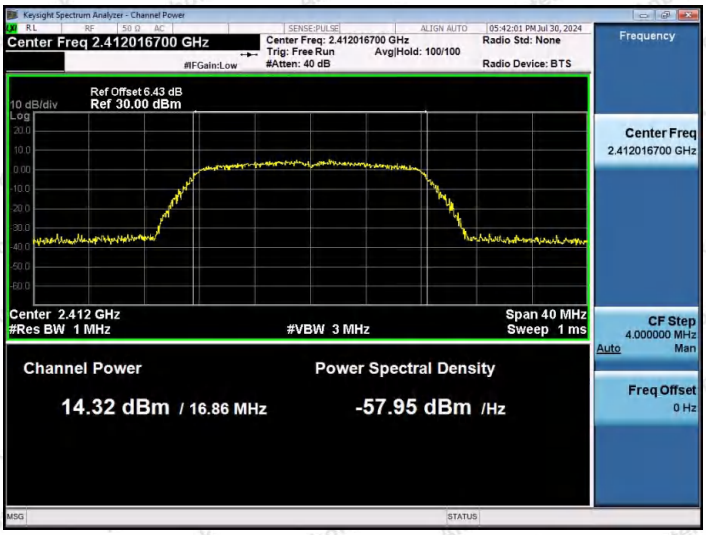
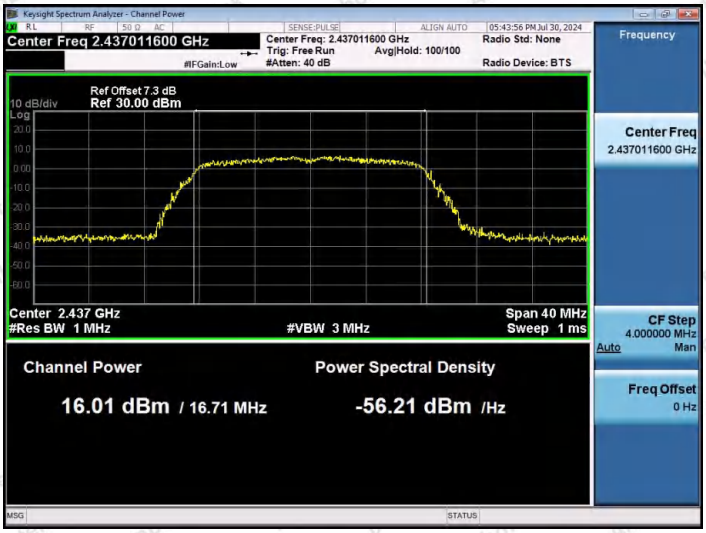


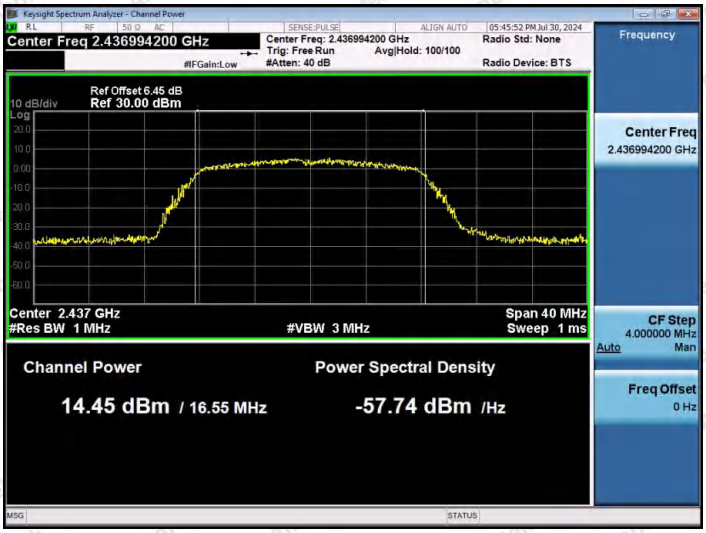
11G-Ant1-2412-PASS



11G-Ant2-2412-PASS



11G-Ant1-2437-PASS



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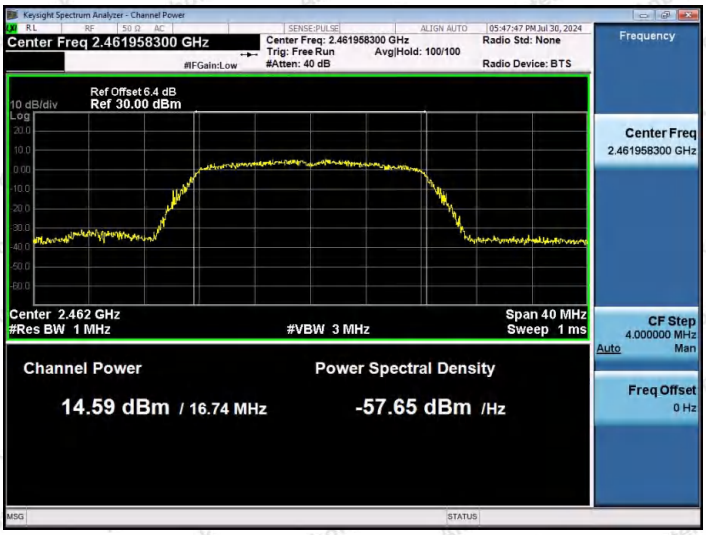

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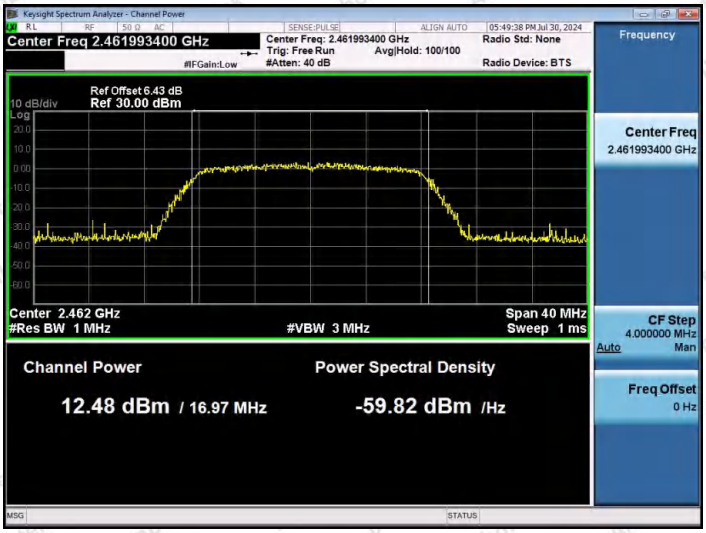
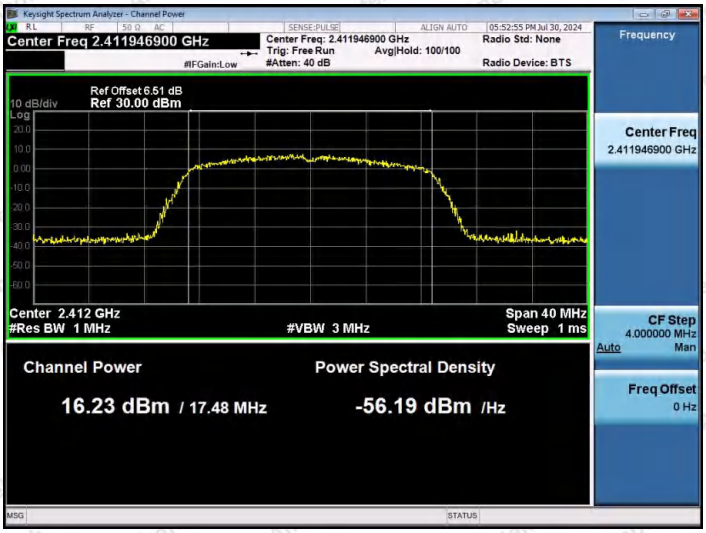


11G-Ant2-2462-PASS



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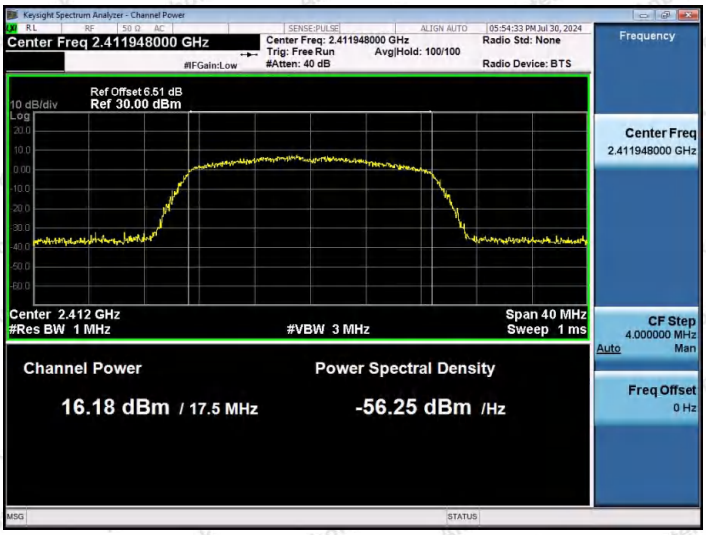
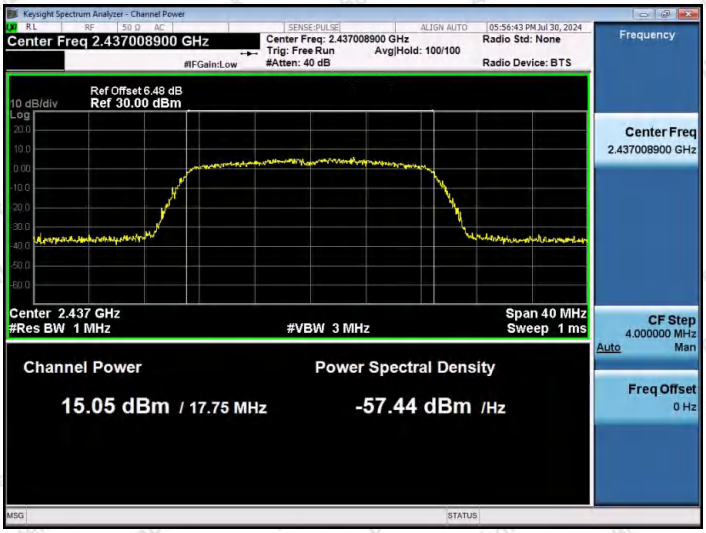
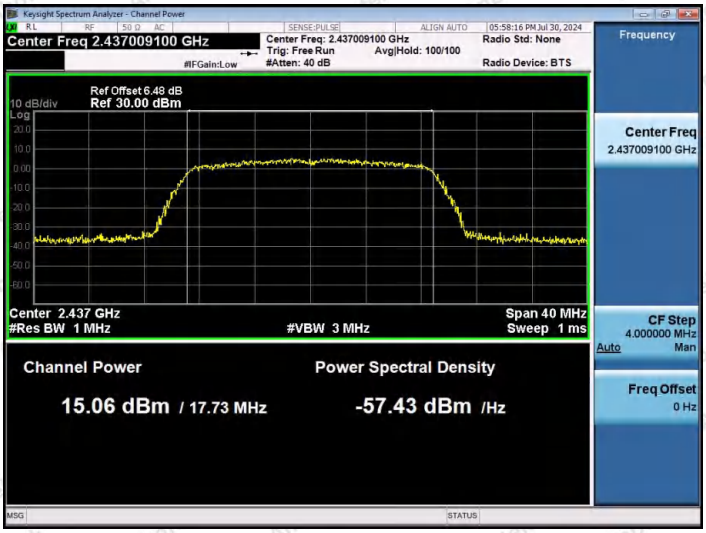


11N20MIMO-Ant2-2412-PASS



11N20MIMO-Ant1-2437-PASS



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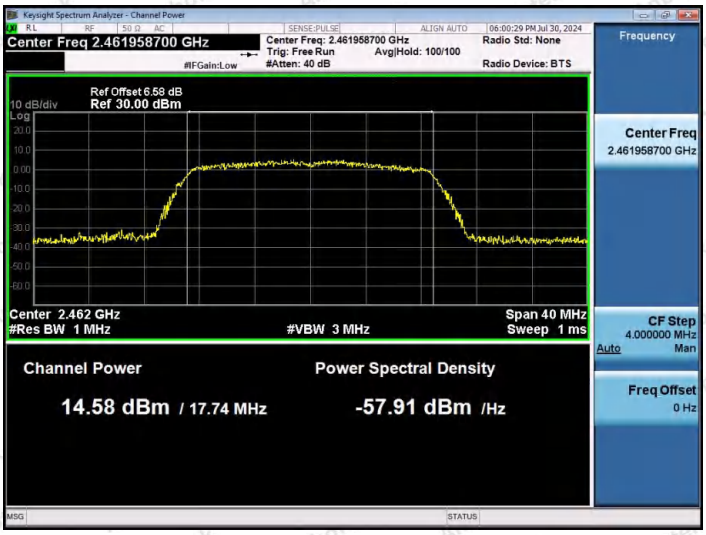

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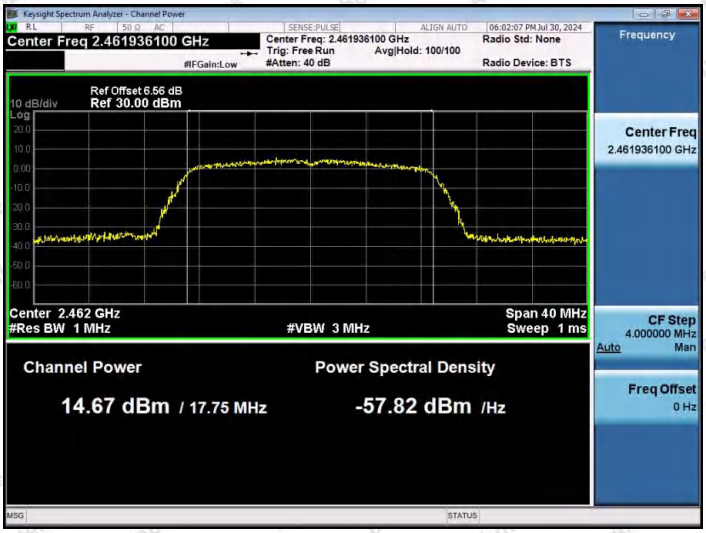

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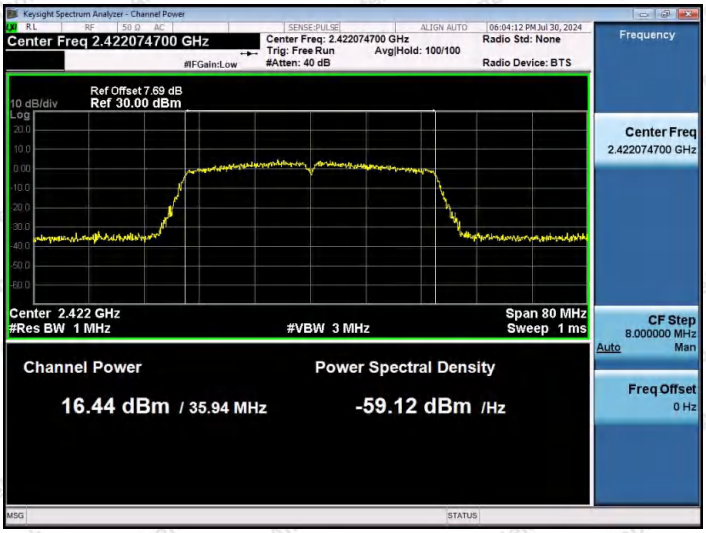
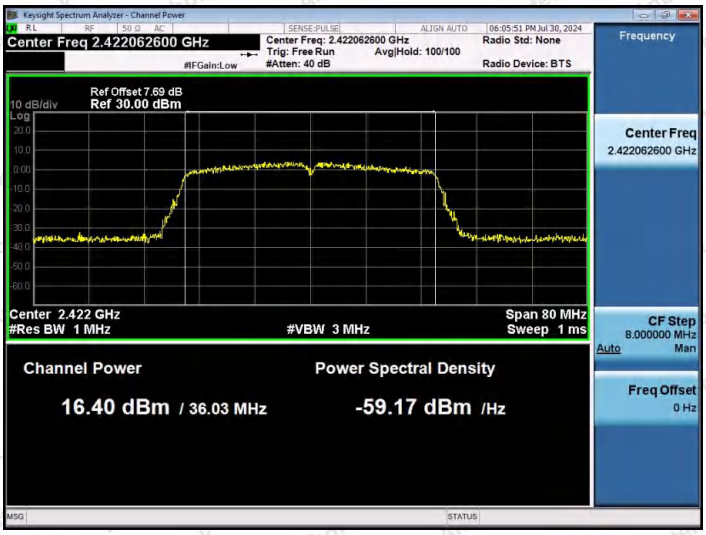


11N40MIMO-Ant1-2422-PASS



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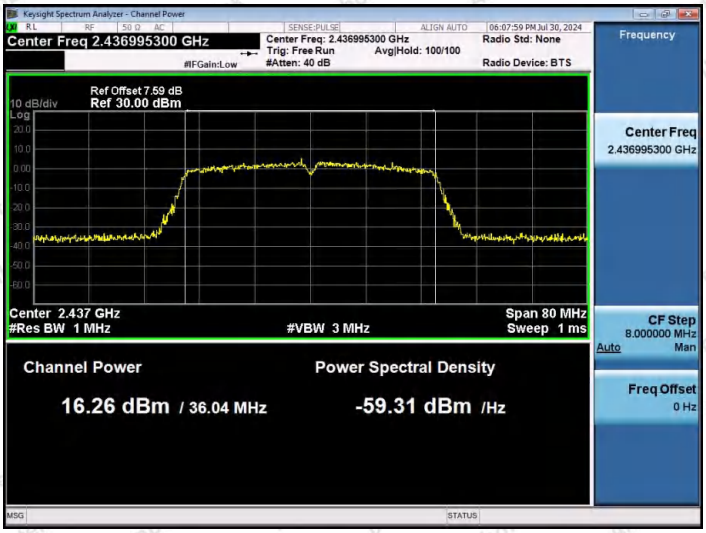
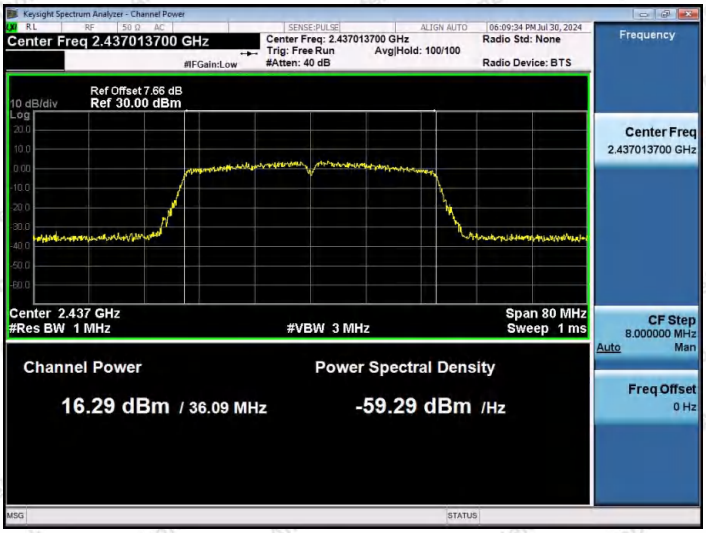


11N40MIMO-Ant1-2437-PASS



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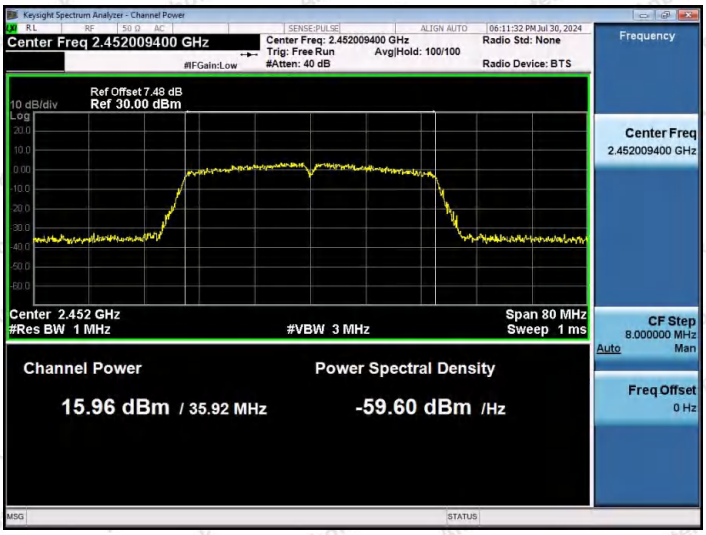
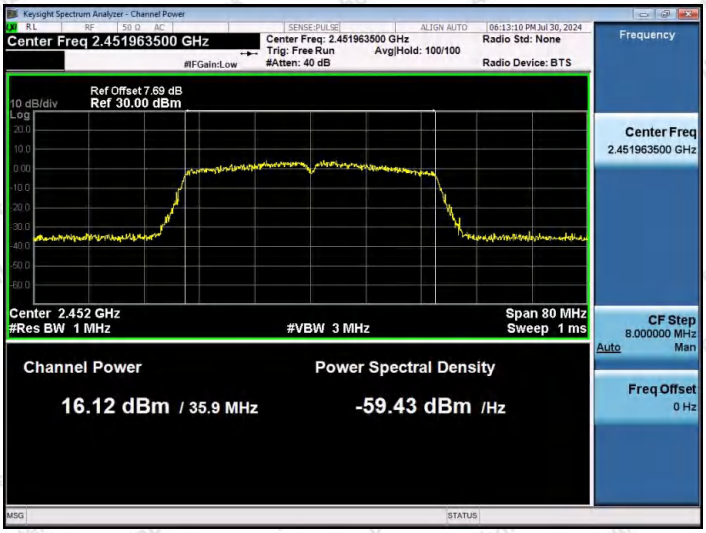


11N40MIMO-Ant1-2452-PASS



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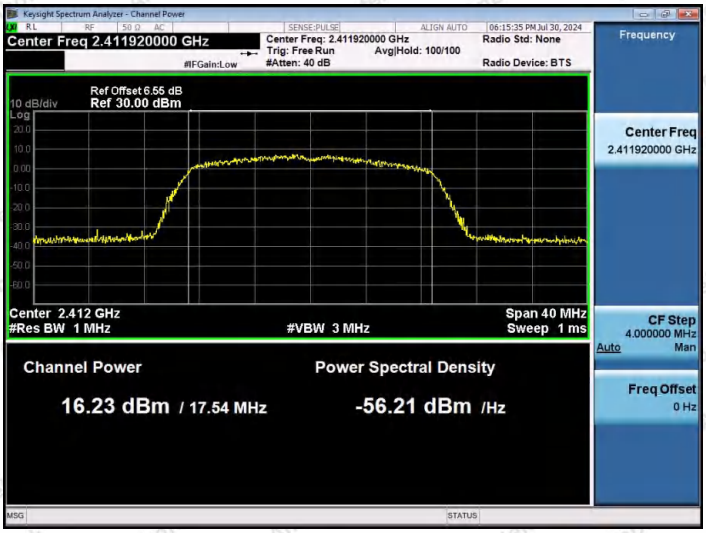
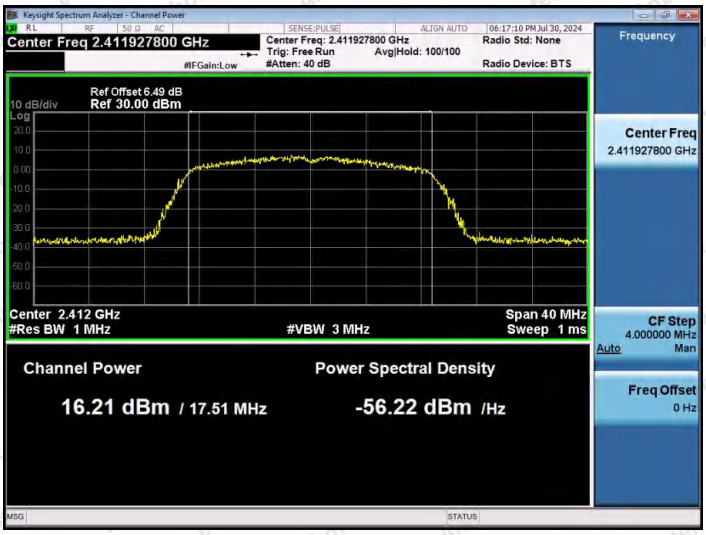


11AX20MIMO-Ant1-2412-PASS



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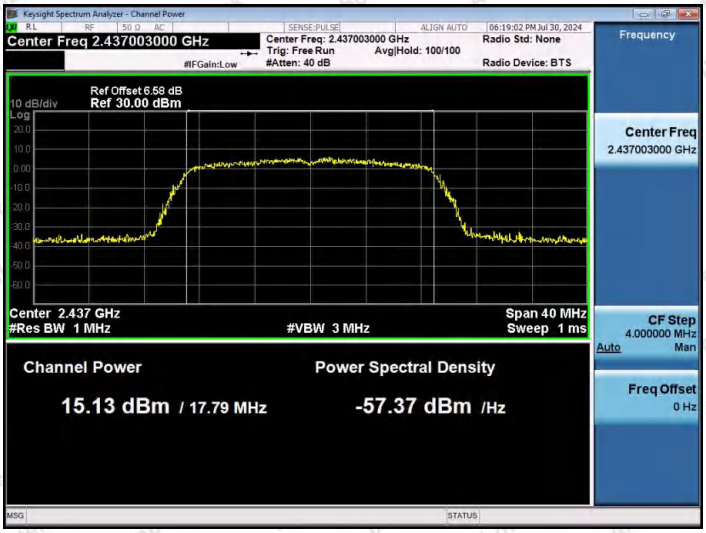

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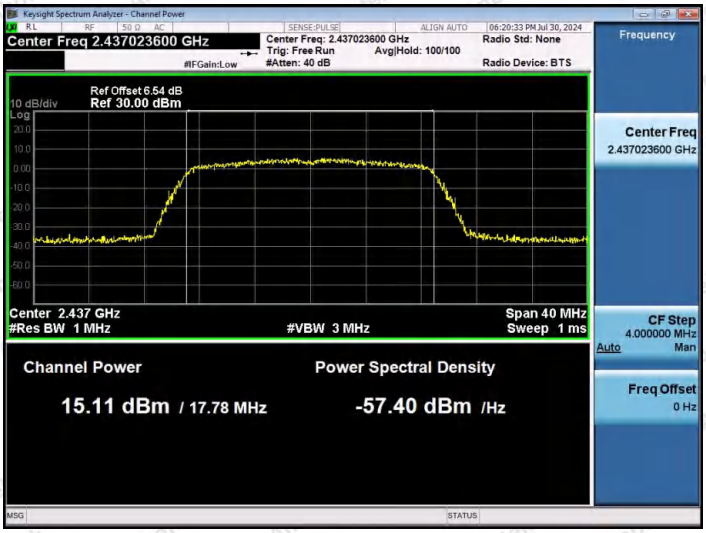

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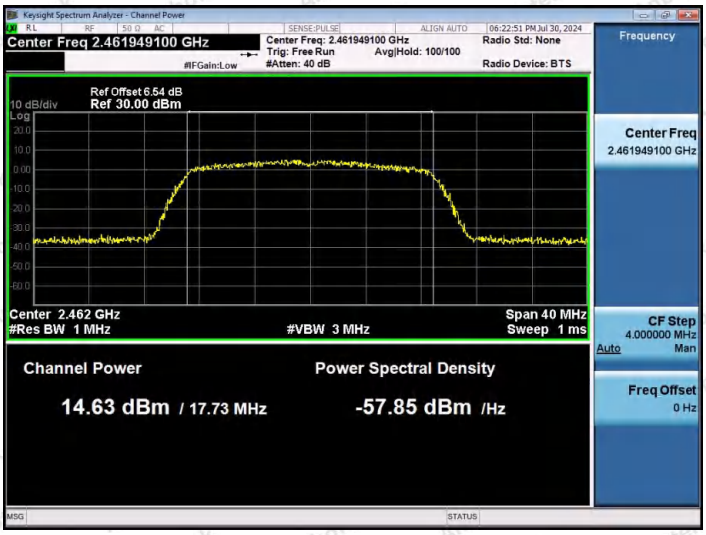
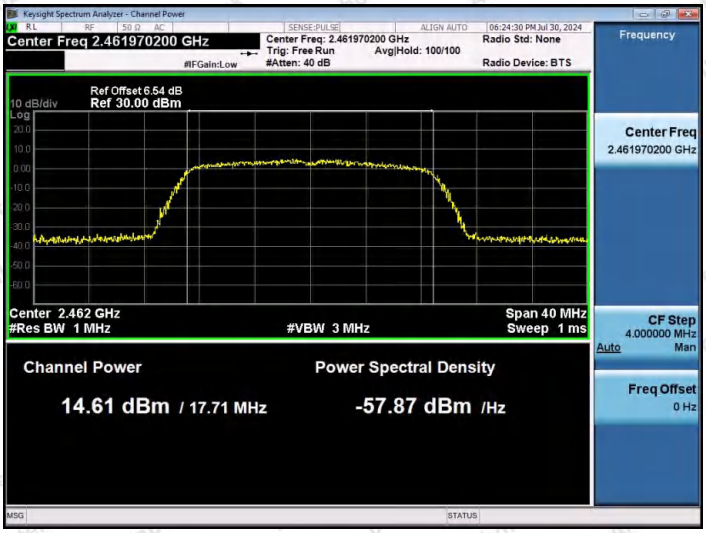


11AX20MIMO-Ant1-2462-PASS



11AX20MIMO-Ant2-2462-PASS