Appendix Test Data

Report No.:	182512C400507101	Test Sample No.:	1-2-2
Start Test Date:	2024.7.31	Finish Test Date:	2024.8.1
Test Engineer:	Jokes Huang	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	7.560	2408.480	2416.040	0.5	PASS
11B	Ant2	2412	8.040	2408.040	2416.080	0.5	PASS
11B	Ant1	2437	8.080	2433.000	2441.080	0.5	PASS
11B	Ant2	2437	7.080	2433.520	2440.600	0.5	PASS
11B	Ant1	2462	6.560	2459.000	2465.560	0.5	PASS
11B	Ant2	2462	7.520	2458.520	2466.040	0.5	PASS
11G	Ant1	2412	16.360	2403.880	2420.240	0.5	PASS
11G	Ant2	2412	16.320	2403.880	2420.200	0.5	PASS
11G	Ant1	2437	16.320	2428.880	2445.200	0.5	PASS
11G	Ant2	2437	16.320	2428.880	2445.200	0.5	PASS
11G	Ant1	2462	16.360	2453.840	2470.200	0.5	PASS
11G	Ant2	2462	16.360	2453.880	2470.240	0.5	PASS
11N20MIMO	Ant1	2412	17.720	2403.200	2420.920	0.5	PASS
11N20MIMO	Ant2	2412	17.680	2403.200	2420.880	0.5	PASS
11N20MIMO	Ant1	2437	17.720	2428.200	2445.920	0.5	PASS
11N20MIMO	Ant2	2437	17.680	2428.200	2445.880	0.5	PASS
11N20MIMO	Ant1	2462	16.080	2453.840	2469.920	0.5	PASS
11N20MIMO	Ant2	2462	16.080	2453.840	2469.920	0.5	PASS
11N40MIMO	Ant1	2422	32.640	2406.880	2439.520	0.5	PASS
11N40MIMO	Ant2	2422	31.360	2405.680	2437.040	0.5	PASS
11N40MIMO	Ant1	2437	31.280	2420.760	2452.040	0.5	PASS
11N40MIMO	Ant2	2437	31.360	2420.680	2452.040	0.5	PASS
11N40MIMO	Ant1	2452	32.560	2434.480	2467.040	0.5	PASS

11N40MIMO	Ant2	2452	32.560	2434.480	2467.040	0.5	PASS
11AX20MIMO	Ant1	2412	15.000	2404.440	2419.440	0.5	PASS
11AX20MIMO	Ant2	2412	15.120	2404.400	2419.520	0.5	PASS
11AX20MIMO	Ant1	2437	15.400	2429.080	2444.480	0.5	PASS
11AX20MIMO	Ant2	2437	12.840	2429.400	2442.240	0.5	PASS
11AX20MIMO	Ant1	2462	15.440	2454.080	2469.520	0.5	PASS
11AX20MIMO	Ant2	2462	15.040	2454.480	2469.520	0.5	PASS
11AX40MIMO	Ant1	2422	32.560	2405.680	2438.240	0.5	PASS
11AX40MIMO	Ant2	2422	30.080	2405.680	2435.760	0.5	PASS
11AX40MIMO	Ant1	2437	30.640	2422.600	2453.240	0.5	PASS
11AX40MIMO	Ant2	2437	30.080	2420.680	2450.760	0.5	PASS
11AX40MIMO	Ant1	2452	30.080	2436.880	2466.960	0.5	PASS
11AX40MIMO	Ant2	2452	35.040	2434.400	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

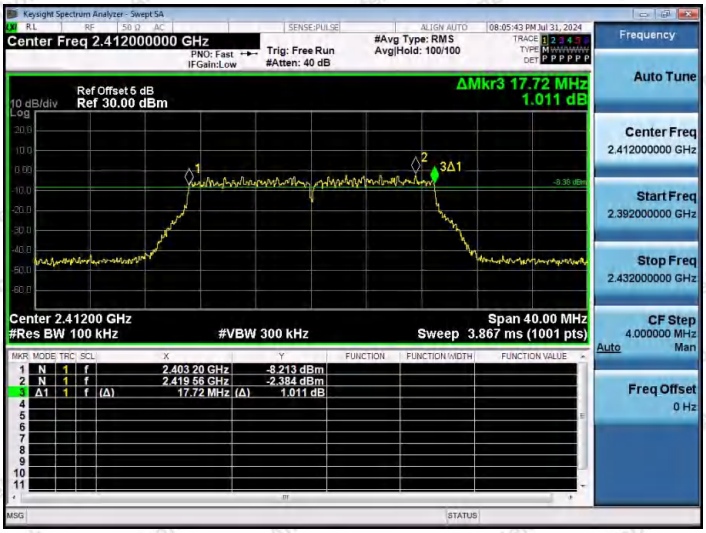
11G-Ant2-2412-PASS

11G-Ant1-2437-PASS

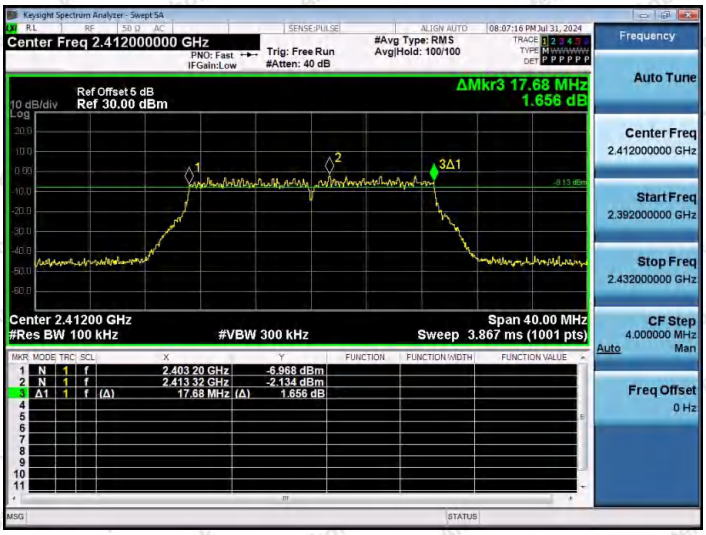
11G-Ant2-2437-PASS

11G-Ant1-2462-PASS

11G-Ant2-2462-PASS



11N20MIMO-Ant1-2412-PASS



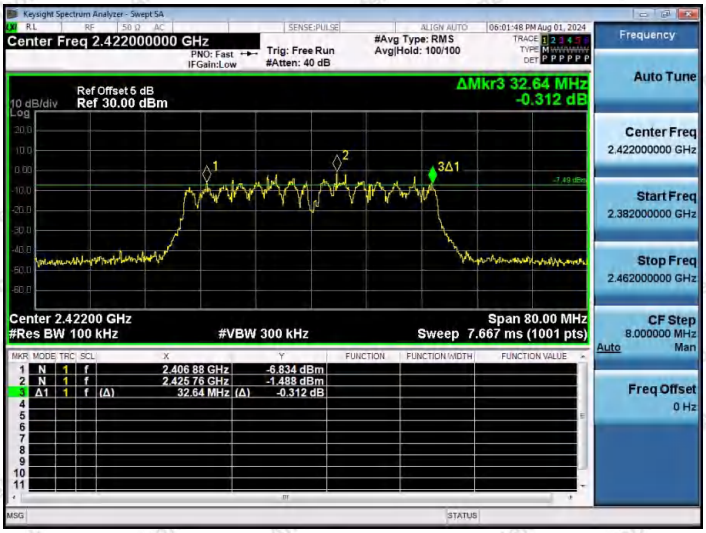
11N20MIMO-Ant2-2412-PASS

11N20MIMO-Ant1-2437-PASS

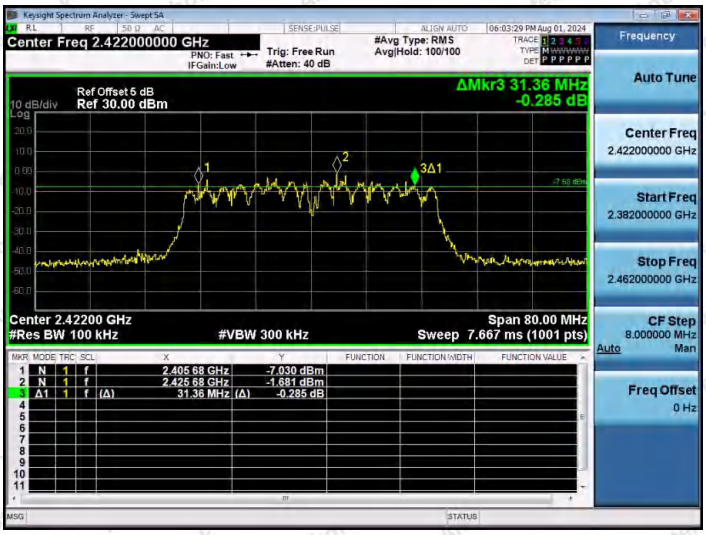
11N20MIMO-Ant2-2437-PASS

11N20MIMO-Ant1-2462-PASS

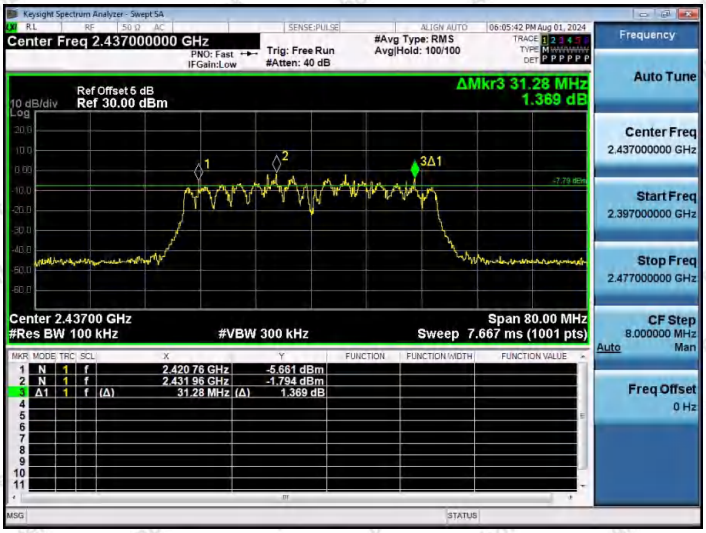
11N20MIMO-Ant2-2462-PASS



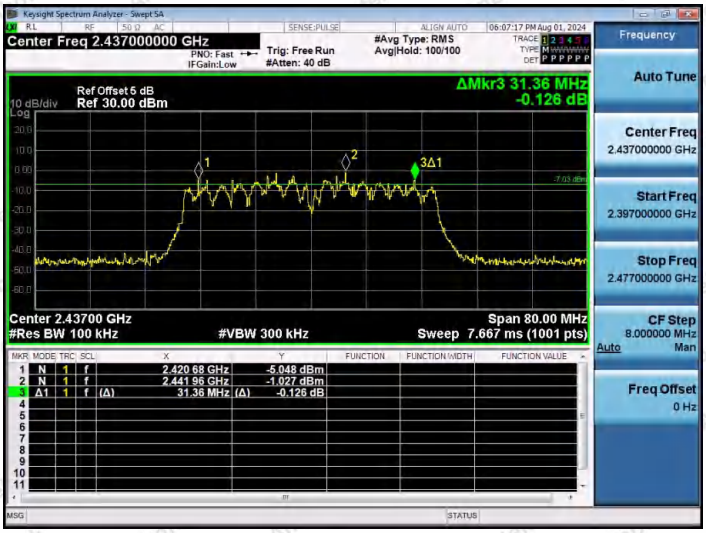
11N40MIMO-Ant1-2422-PASS



11N40MIMO-Ant2-2422-PASS



11N40MIMO-Ant1-2437-PASS



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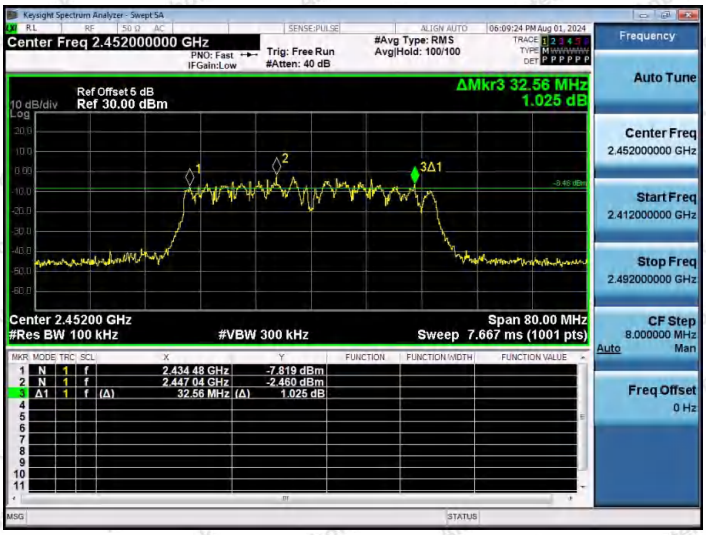
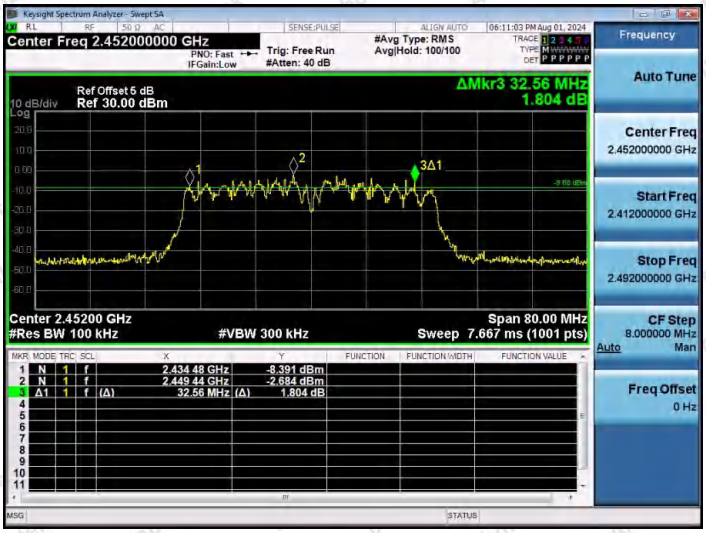
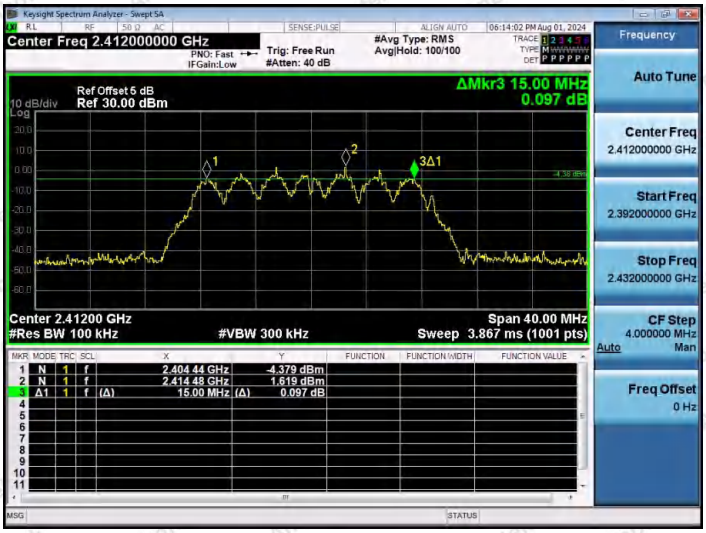


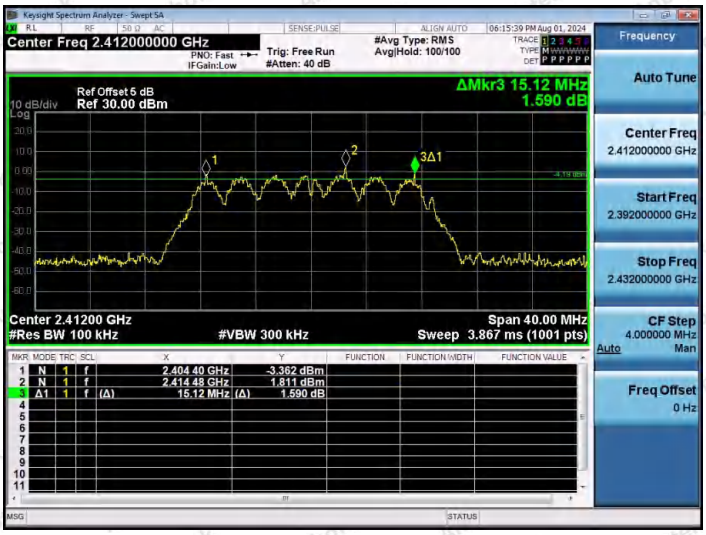
11N40MIMO-Ant1-2452-PASS



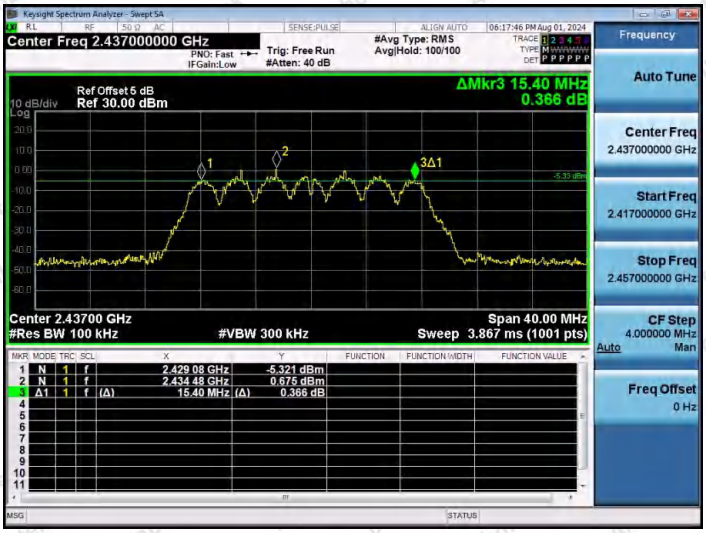
11N40MIMO-Ant2-2452-PASS



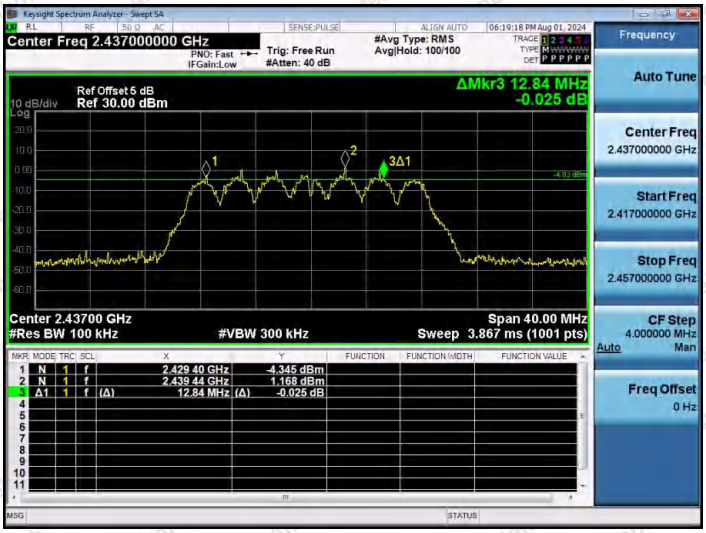
11AX20MIMO-Ant1-2412-PASS



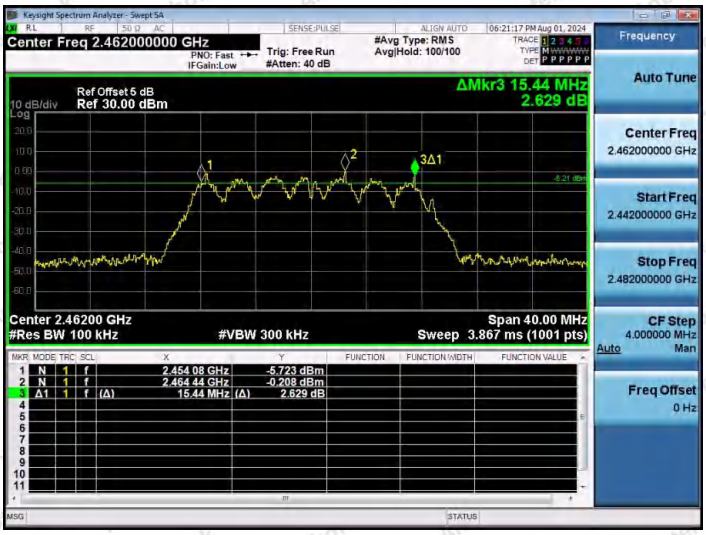
11AX20MIMO-Ant2-2412-PASS



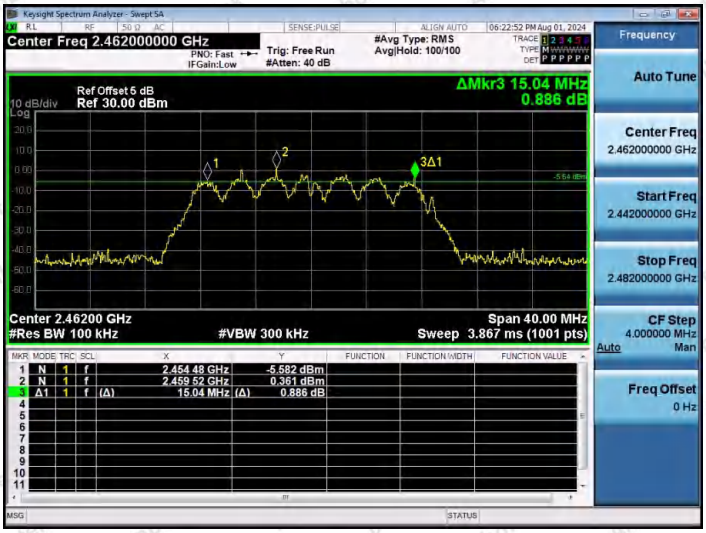
11AX20MIMO-Ant1-2437-PASS



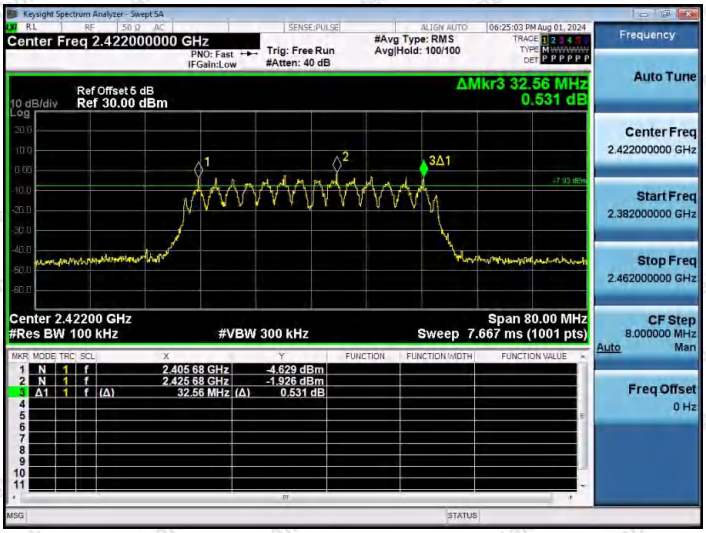
11AX20MIMO-Ant2-2437-PASS



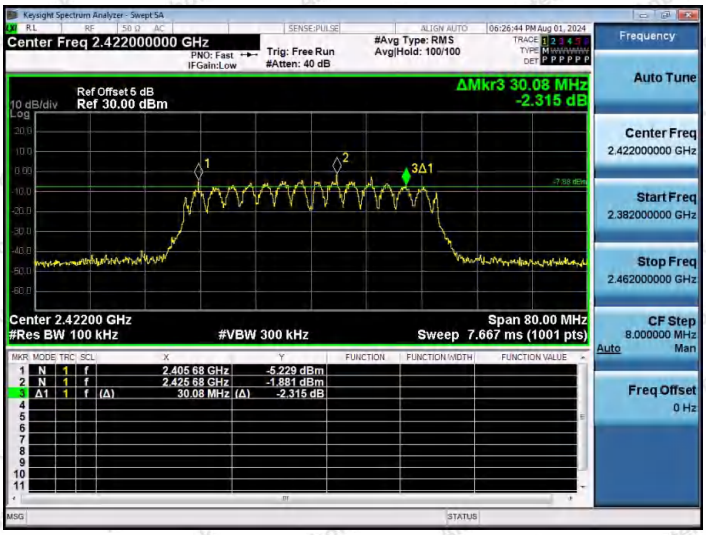
11AX20MIMO-Ant1-2462-PASS



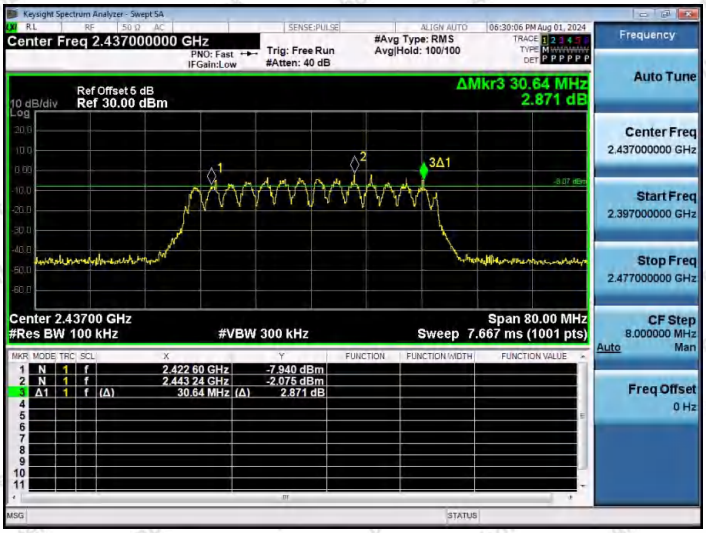
11AX20MIMO-Ant2-2462-PASS



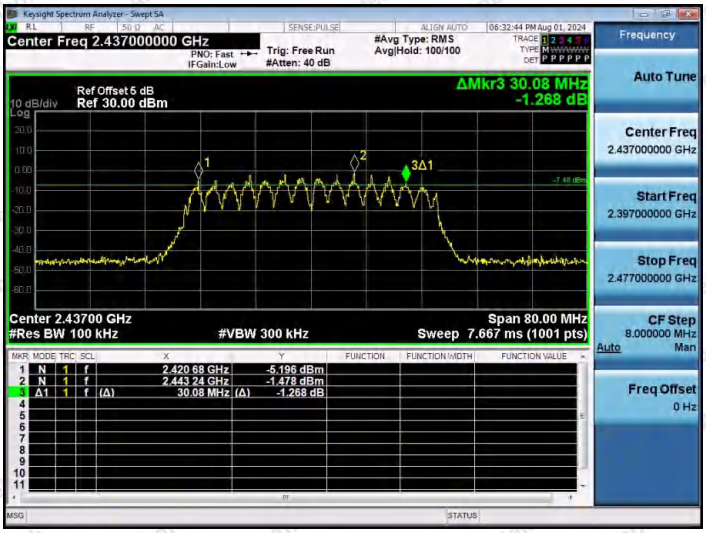
11AX40MIMO-Ant1-2422-PASS



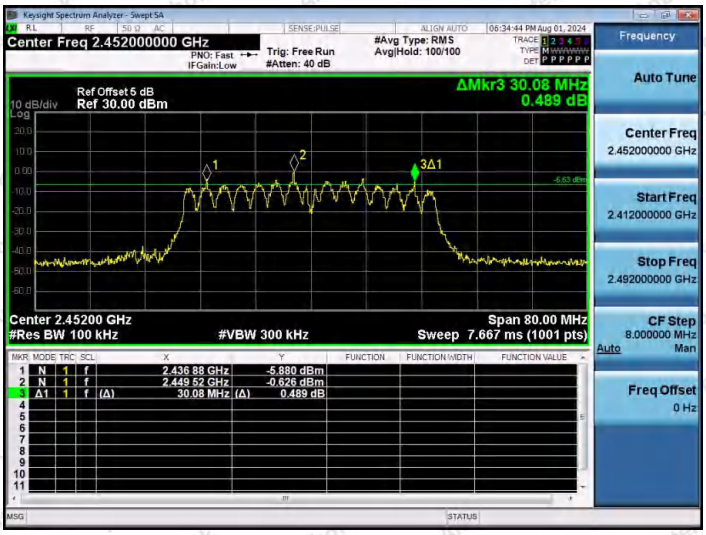
11AX40MIMO-Ant2-2422-PASS



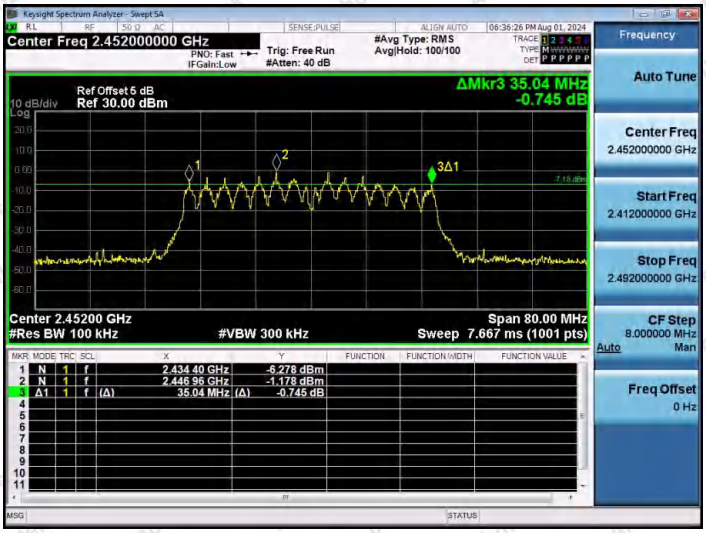
11AX40MIMO-Ant1-2437-PASS



11AX40MIMO-Ant2-2437-PASS



11AX40MIMO-Ant1-2452-PASS



11AX40MIMO-Ant2-2452-PASS

Appendix B: 99% Occupied Bandwidth

Test Result

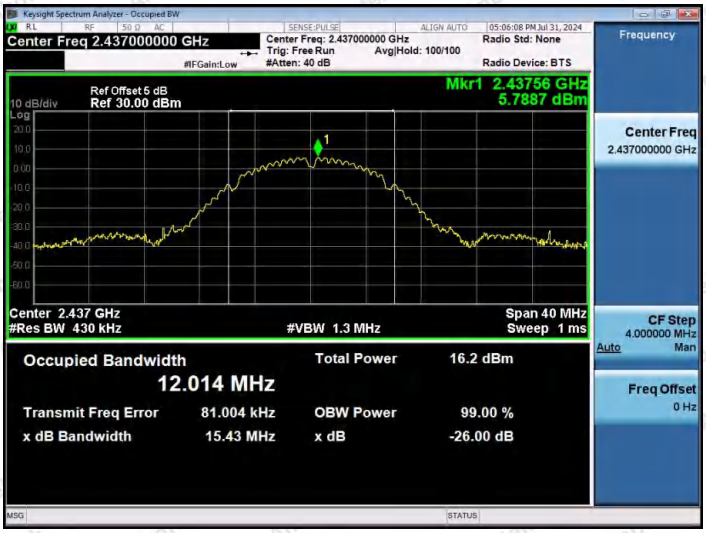
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.906	2406.1360	2418.0420	---	---
11B	Ant2	2412	11.978	2406.0799	2418.0579	---	---
11B	Ant1	2437	11.886	2431.1647	2443.0507	---	---
11B	Ant2	2437	12.014	2431.0740	2443.0880	---	---
11B	Ant1	2462	11.895	2456.1335	2468.0285	---	---
11B	Ant2	2462	11.993	2456.1075	2468.1005	---	---
11G	Ant1	2412	17.143	2403.5719	2420.7149	---	---
11G	Ant2	2412	17.084	2403.5036	2420.5876	---	---
11G	Ant1	2437	17.138	2428.5684	2445.7064	---	---
11G	Ant2	2437	17.243	2428.4534	2445.6964	---	---
11G	Ant1	2462	17.186	2453.4635	2470.6495	---	---
11G	Ant2	2462	17.126	2453.5196	2470.6456	---	---
11N20MIMO	Ant1	2412	18.140	2403.0408	2421.1808	---	---
11N20MIMO	Ant2	2412	18.230	2402.9889	2421.2189	---	---
11N20MIMO	Ant1	2437	18.103	2428.0061	2446.1091	---	---
11N20MIMO	Ant2	2437	18.132	2428.0094	2446.1414	---	---
11N20MIMO	Ant1	2462	17.921	2453.0781	2470.9991	---	---
11N20MIMO	Ant2	2462	17.914	2453.0980	2471.0120	---	---
11N40MIMO	Ant1	2422	36.342	2403.9257	2440.2677	---	---
11N40MIMO	Ant2	2422	36.336	2403.9156	2440.2516	---	---
11N40MIMO	Ant1	2437	36.301	2418.8445	2455.1455	---	---
11N40MIMO	Ant2	2437	36.343	2418.8224	2455.1654	---	---
11N40MIMO	Ant1	2452	36.111	2433.7850	2469.8960	---	---
11N40MIMO	Ant2	2452	36.102	2433.7835	2469.8855	---	---
11AX20MIMO	Ant1	2412	17.023	2403.4905	2420.5135	---	---
11AX20MIMO	Ant2	2412	17.115	2403.4827	2420.5977	---	---
11AX20MIMO	Ant1	2437	17.437	2428.1634	2445.6004	---	---
11AX20MIMO	Ant2	2437	17.270	2428.2147	2445.4847	---	---
11AX20MIMO	Ant1	2462	17.026	2453.3715	2470.3975	---	---
11AX20MIMO	Ant2	2462	17.127	2453.3443	2470.4713	---	---
11AX40MIMO	Ant1	2422	35.299	2404.5288	2439.8278	---	---
11AX40MIMO	Ant2	2422	35.497	2404.5002	2439.9972	---	---
11AX40MIMO	Ant1	2437	35.372	2419.5060	2454.8780	---	---
11AX40MIMO	Ant2	2437	35.626	2419.3426	2454.9686	---	---
11AX40MIMO	Ant1	2452	36.206	2433.7366	2469.9426	---	---
11AX40MIMO	Ant2	2452	36.273	2433.7097	2469.9827	---	---

Test Graphs

11B-Ant1-2412

11B-Ant2-2412

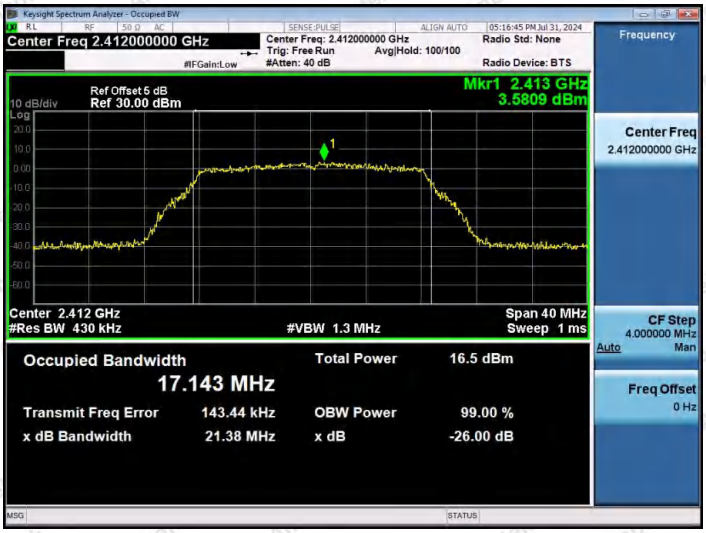
11B-Ant1-2437



11B-Ant2-2437

11B-Ant1-2462

11B-Ant2-2462

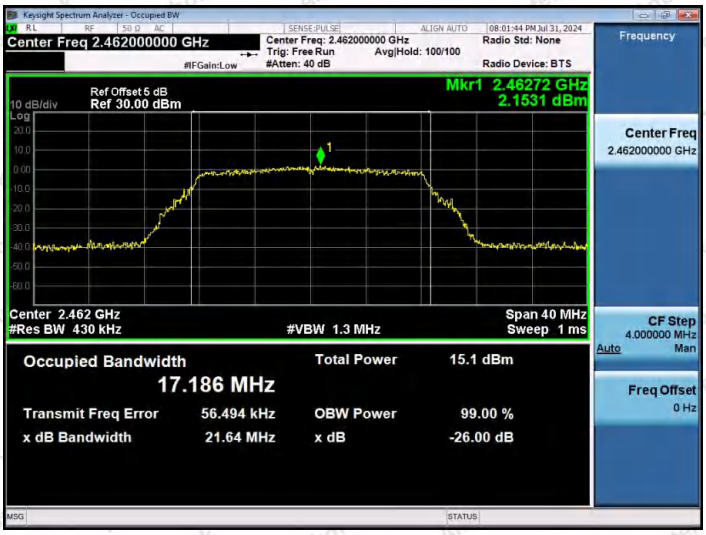


11G-Ant1-2412

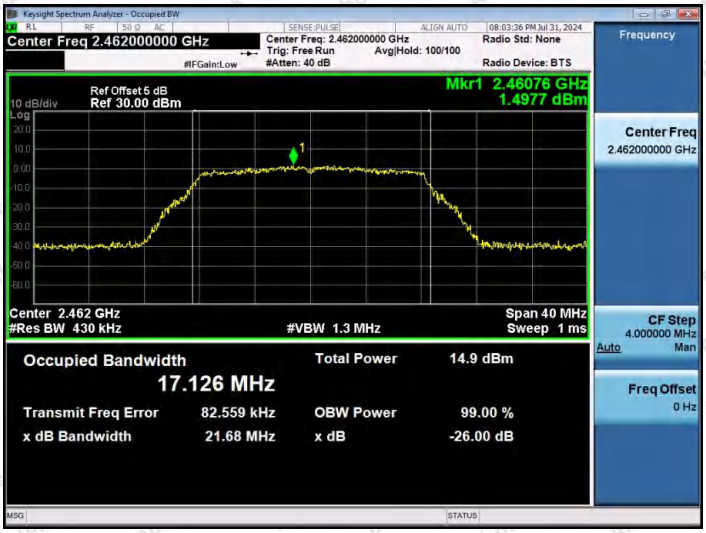
11G-Ant2-2412

11G-Ant1-2437

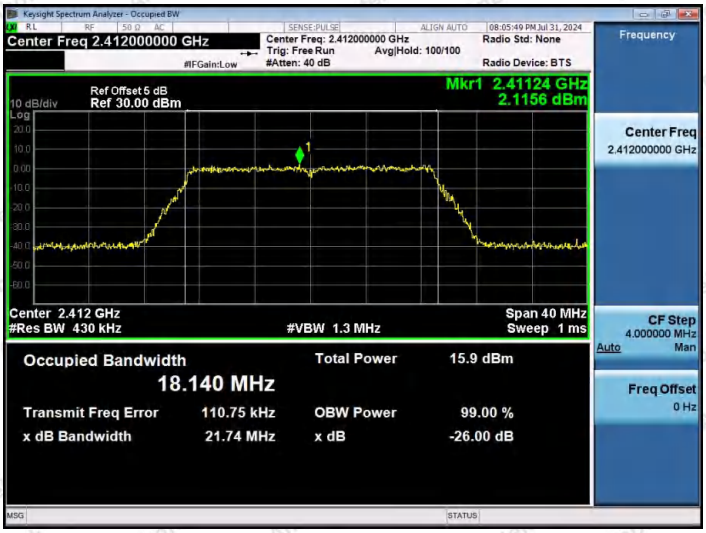
11G-Ant2-2437



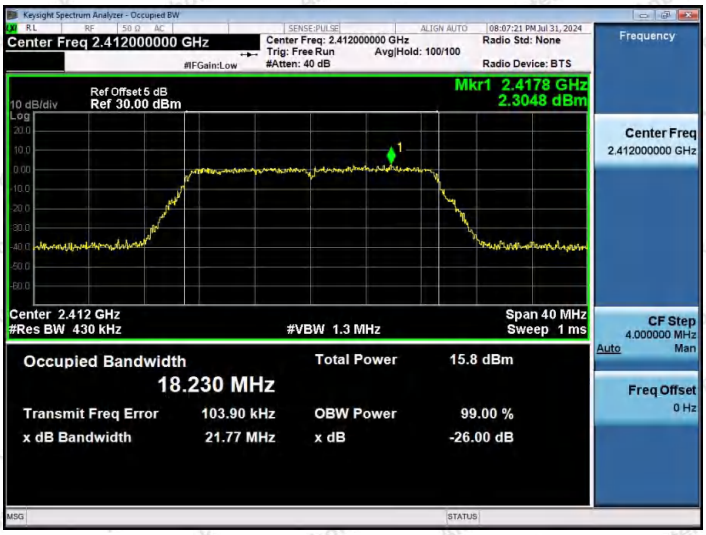
11G-Ant1-2462



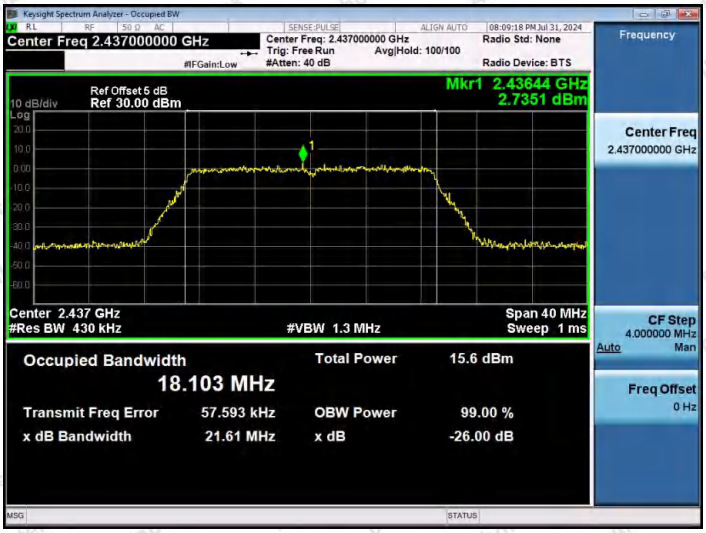
11G-Ant2-2462



11N20MIMO-Ant1-2412

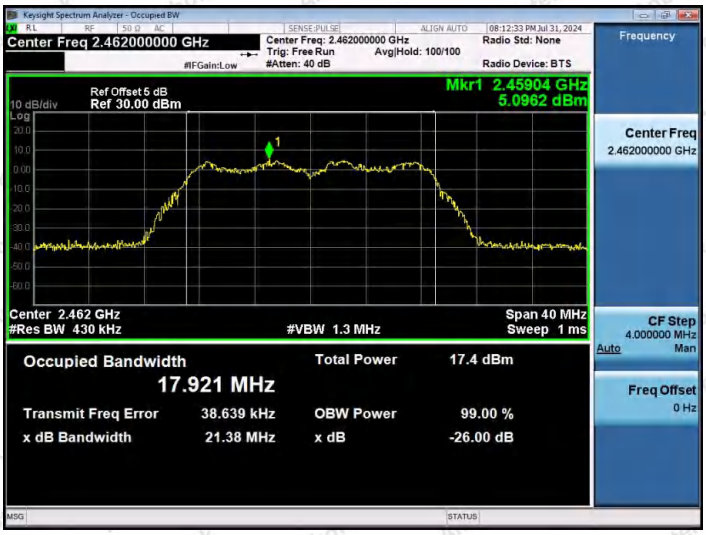


11N20MIMO-Ant2-2412



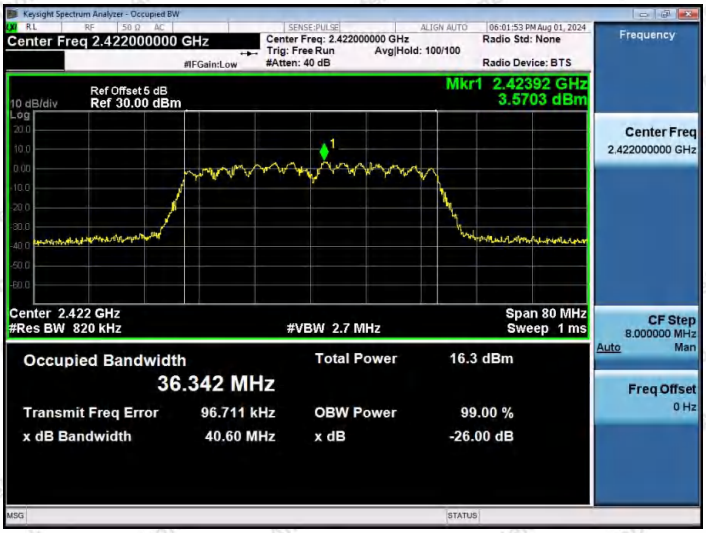
11N20MIMO-Ant1-2437

11N20MIMO-Ant2-2437

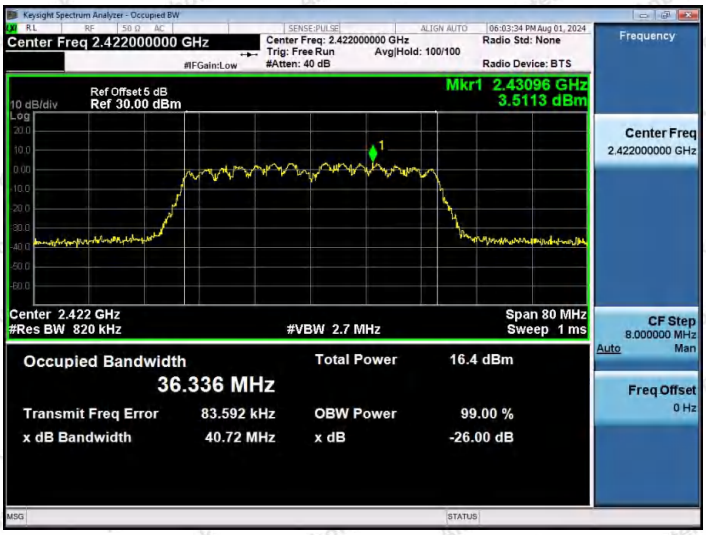


11N20MIMO-Ant1-2462

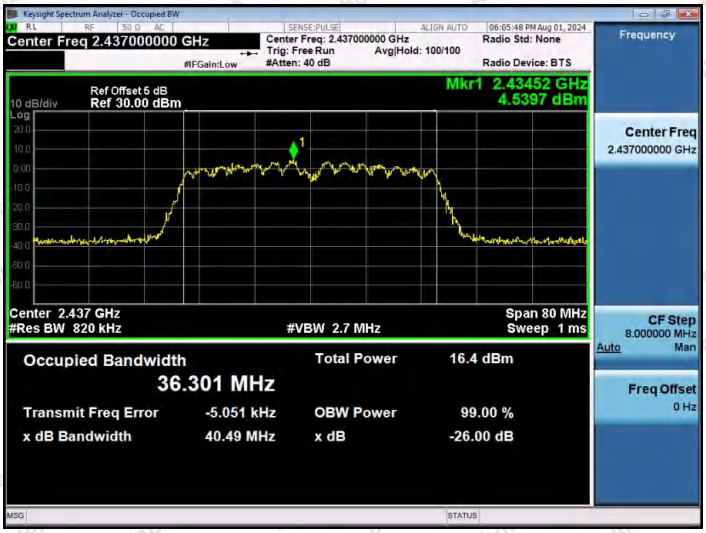
11N20MIMO-Ant2-2462



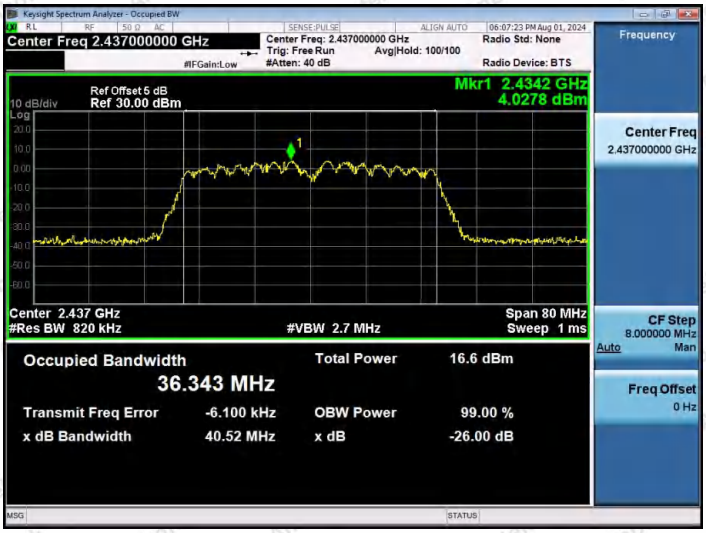
11N40MIMO-Ant1-2422



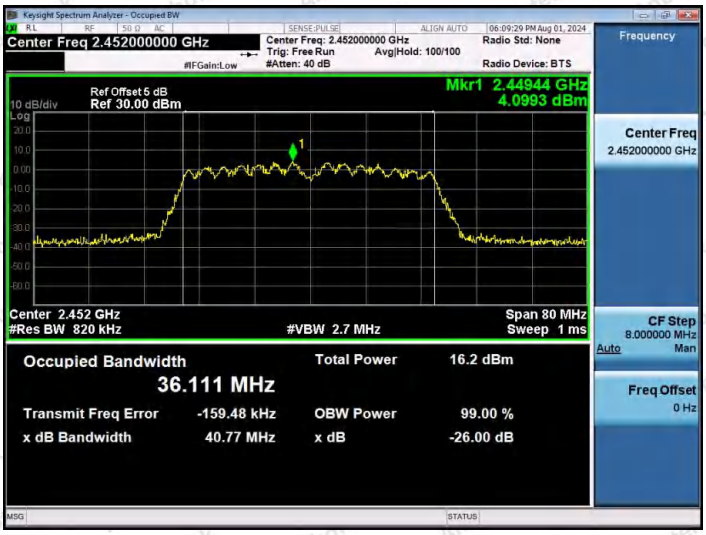
11N40MIMO-Ant2-2422



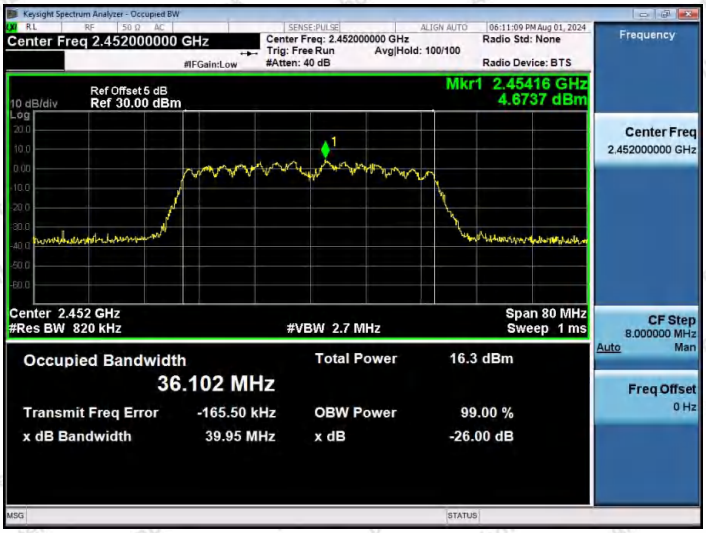
11N40MIMO-Ant1-2437



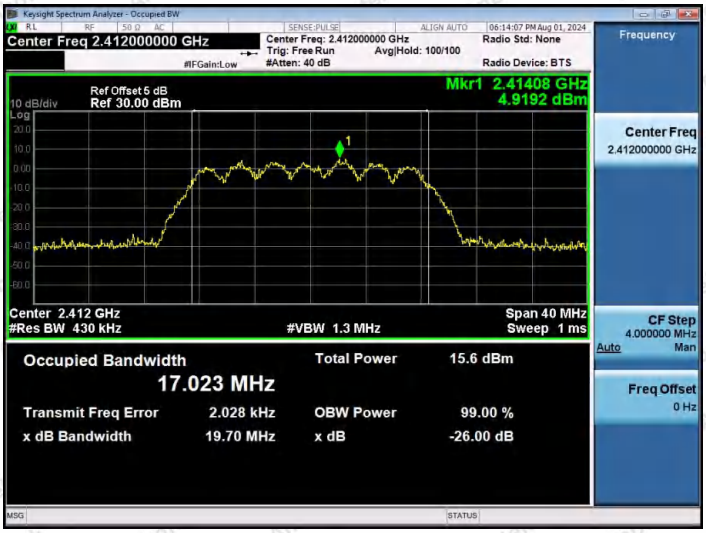
11N40MIMO-Ant2-2437



11N40MIMO-Ant1-2452



11N40MIMO-Ant2-2452



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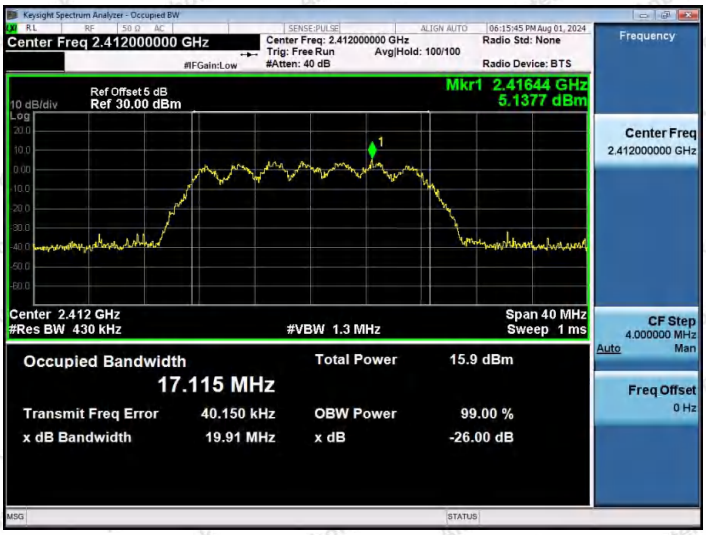

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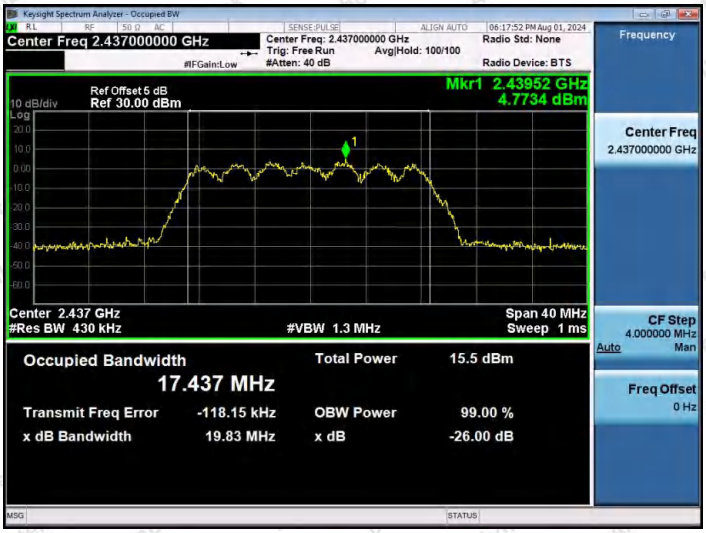

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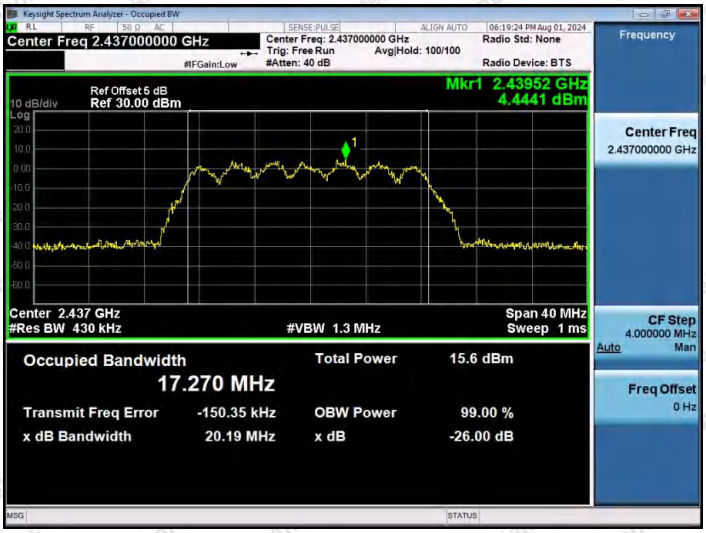

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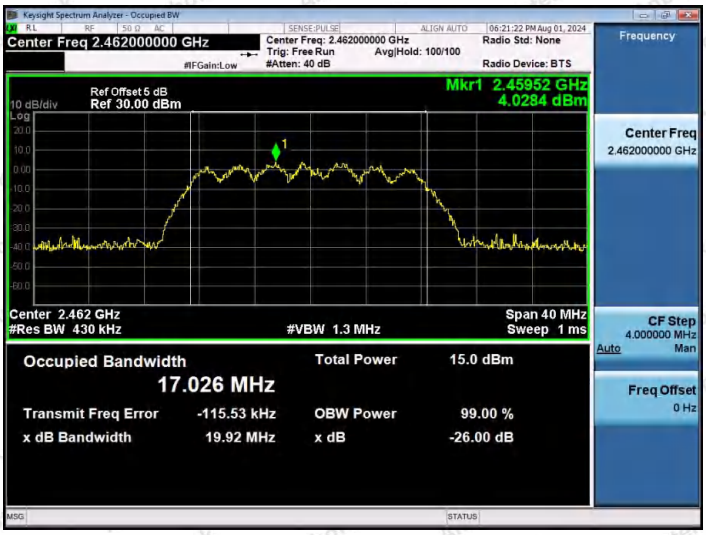

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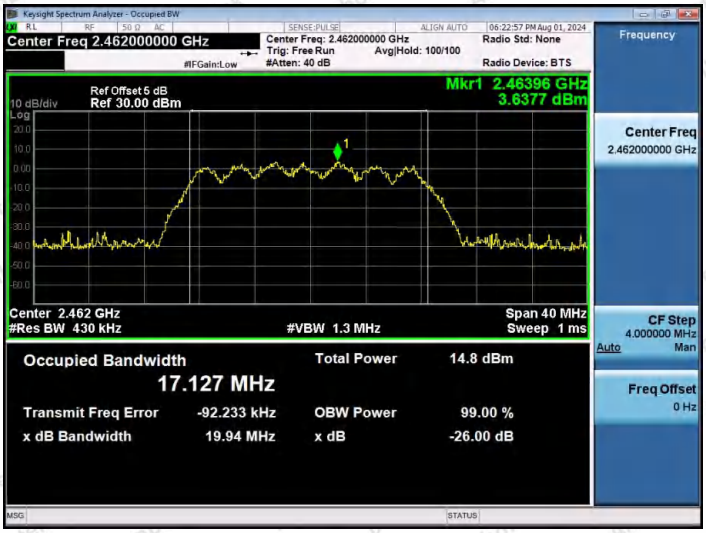

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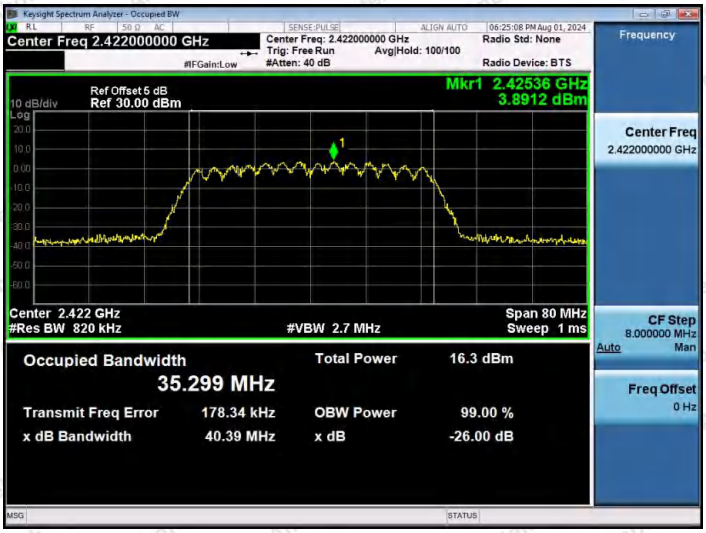

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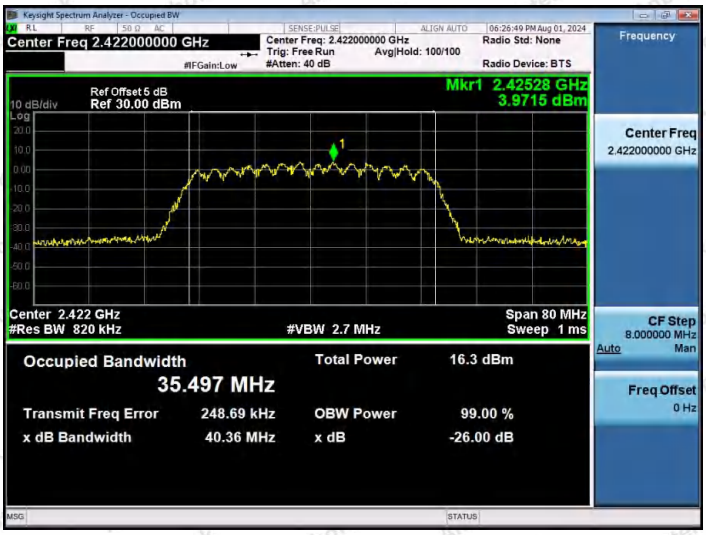

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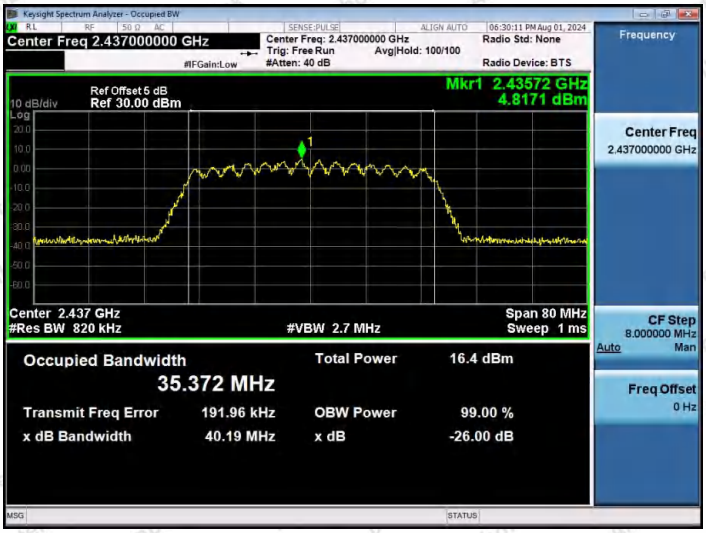

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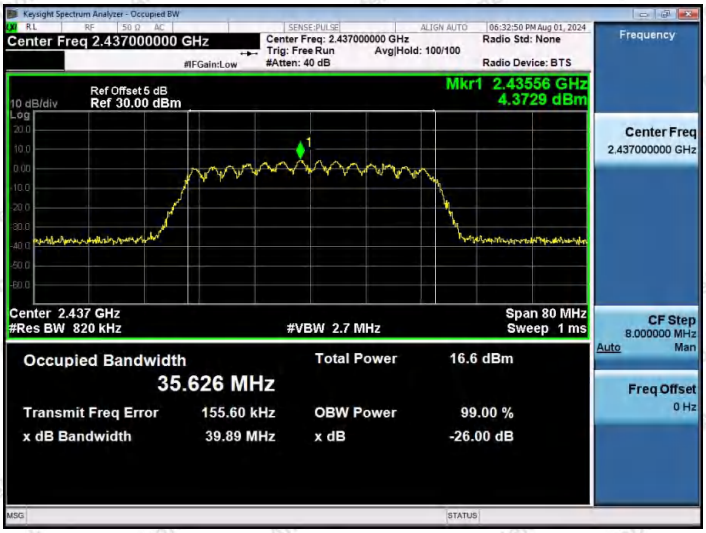

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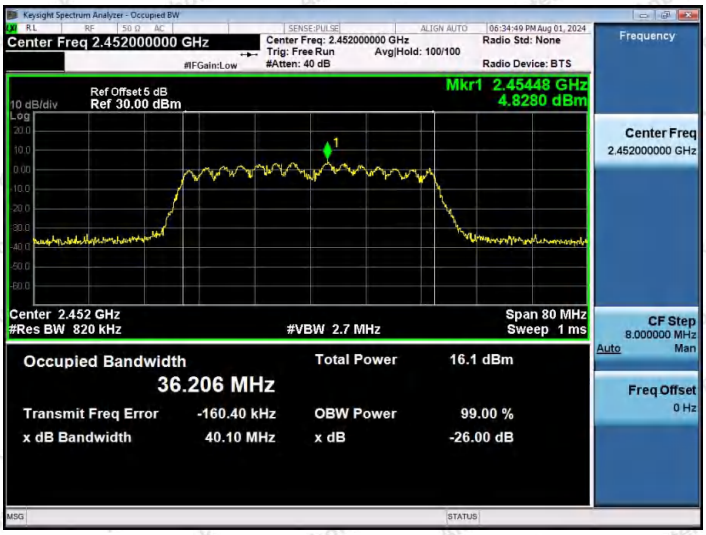


11AX40MIMO-Ant1-2452

11AX40MIMO-Ant2-2452

Appendix C: Maximum conducted output power

Test Result Average

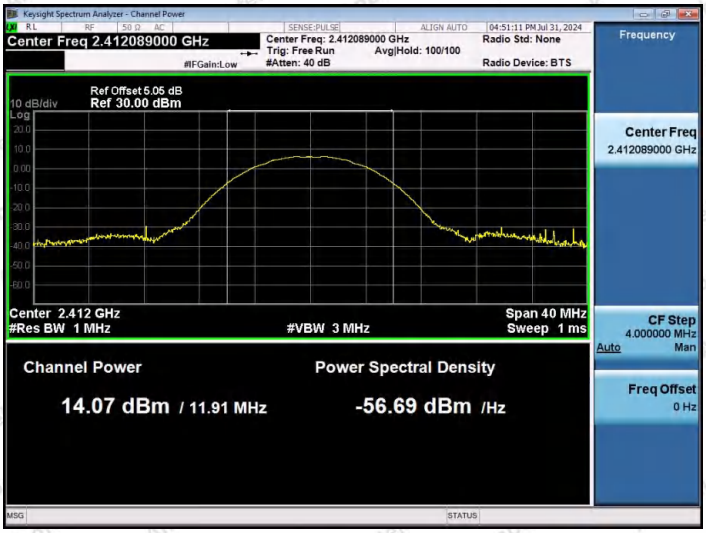
Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.02	98.94	0.05	14.07	≤30.00	PASS
11B	Ant2	2412	15.73	98.83	0.05	15.78	≤30.00	PASS
11B	Ant1	2437	14.51	98.83	0.05	14.56	≤30.00	PASS
11B	Ant2	2437	14.70	98.94	0.05	14.75	≤30.00	PASS
11B	Ant1	2462	14.86	98.94	0.05	14.91	≤30.00	PASS
11B	Ant2	2462	14.62	98.82	0.05	14.67	≤30.00	PASS
11G	Ant1	2412	14.84	93.96	0.27	15.11	≤30.00	PASS
11G	Ant2	2412	12.84	93.33	0.30	13.14	≤30.00	PASS
11G	Ant1	2437	11.79	93.33	0.30	12.09	≤30.00	PASS
11G	Ant2	2437	11.47	93.33	0.30	11.77	≤30.00	PASS
11G	Ant1	2462	13.49	93.33	0.30	13.79	≤30.00	PASS
11G	Ant2	2462	13.17	93.29	0.30	13.47	≤30.00	PASS
11N20MIMO	Ant1	2412	14.05	61.54	2.11	16.16	≤30.00	PASS
11N20MIMO	Ant2	2412	14.14	61.54	2.11	16.25	≤30.00	PASS
11N20MIMO	total	2412	---	---	---	19.22	≤30.00	PASS
11N20MIMO	Ant1	2437	13.87	61.54	2.11	15.98	≤30.00	PASS
11N20MIMO	Ant2	2437	13.86	62.96	2.01	15.87	≤30.00	PASS
11N20MIMO	total	2437	---	---	---	18.94	≤30.00	PASS

11N20MIMO	Ant1	2462	15.80	62.96	2.01	17.81	≤30.00	PASS
11N20MIMO	Ant2	2462	15.73	62.96	2.01	17.74	≤30.00	PASS
11N20MIMO	total	2462	---	---	---	20.79	≤30.00	PASS
11N40MIMO	Ant1	2422	13.84	54.62	2.63	16.47	≤30.00	PASS
11N40MIMO	Ant2	2422	13.97	54.24	2.66	16.63	≤30.00	PASS
11N40MIMO	total	2422	---	---	---	19.56	≤30.00	PASS
11N40MIMO	Ant1	2437	14.11	54.62	2.63	16.74	≤30.00	PASS
11N40MIMO	Ant2	2437	14.09	54.24	2.66	16.75	≤30.00	PASS
11N40MIMO	total	2437	---	---	---	19.76	≤30.00	PASS
11N40MIMO	Ant1	2452	13.87	54.62	2.63	16.50	≤30.00	PASS
11N40MIMO	Ant2	2452	13.88	52.46	2.80	16.68	≤30.00	PASS
11N40MIMO	total	2452	---	---	---	19.60	≤30.00	PASS
11AX20MIMO	Ant1	2412	14.19	69.35	1.59	15.78	≤30.00	PASS
11AX20MIMO	Ant2	2412	14.33	70.49	1.52	15.85	≤30.00	PASS
11AX20MIMO	total	2412	---	---	---	18.83	≤30.00	PASS
11AX20MIMO	Ant1	2437	13.87	69.95	1.55	15.42	≤30.00	PASS
11AX20MIMO	Ant2	2437	13.97	70.33	1.53	15.50	≤30.00	PASS
11AX20MIMO	total	2437	---	---	---	18.47	≤30.00	PASS
11AX20MIMO	Ant1	2462	13.32	70.49	1.52	14.84	≤30.00	PASS
11AX20MIMO	Ant2	2462	13.19	70.88	1.49	14.68	≤30.00	PASS
11AX20MIMO	total	2462	---	---	---	17.77	≤30.00	PASS
11AX40M	Ant1	2422	14.00	54.31	2.65	16.65	≤30.0	PASS

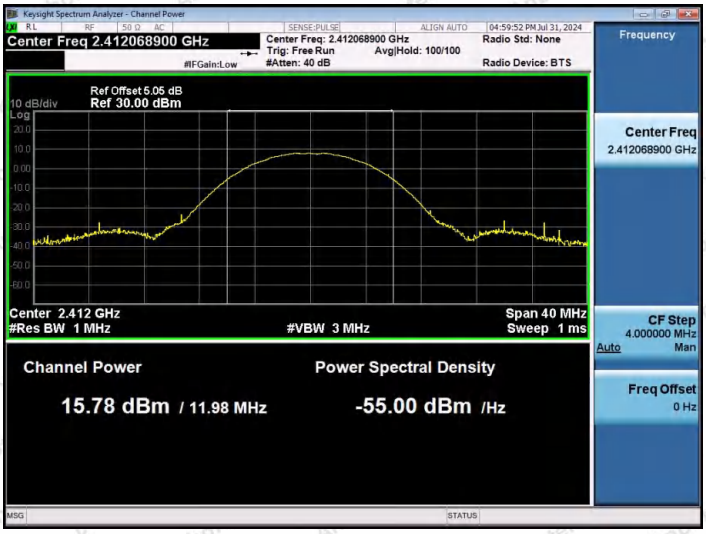
IMO							0	
11AX40M IMO	Ant2	2422	13.98	53.85	2.69	16.67	≤30.00	PASS
11AX40M IMO	total	2422	---	---	---	19.67	≤30.00	PASS
11AX40M IMO	Ant1	2437	14.17	54.24	2.66	16.83	≤30.00	PASS
11AX40M IMO	Ant2	2437	14.12	53.85	2.69	16.81	≤30.00	PASS
11AX40M IMO	total	2437	---	---	---	19.83	≤30.00	PASS
11AX40M IMO	Ant1	2452	13.81	53.85	2.69	16.50	≤30.00	PASS
11AX40M IMO	Ant2	2452	11.36	53.85	2.69	14.05	≤30.00	PASS
11AX40M IMO	total	2452	---	---	---	18.46	≤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



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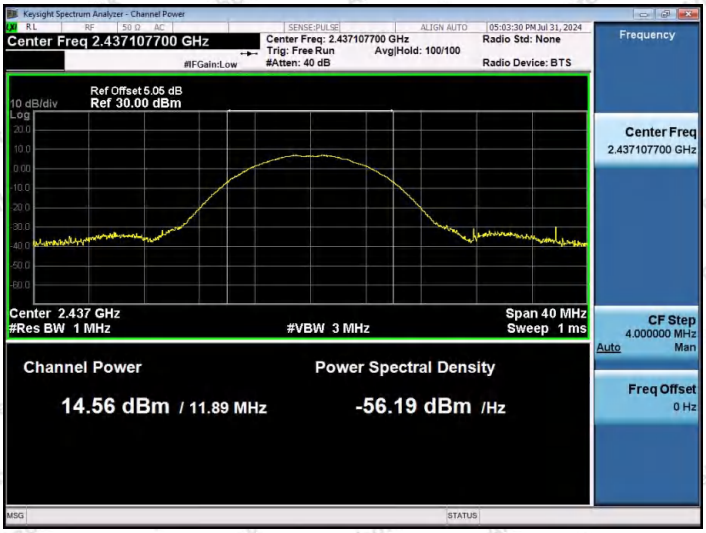

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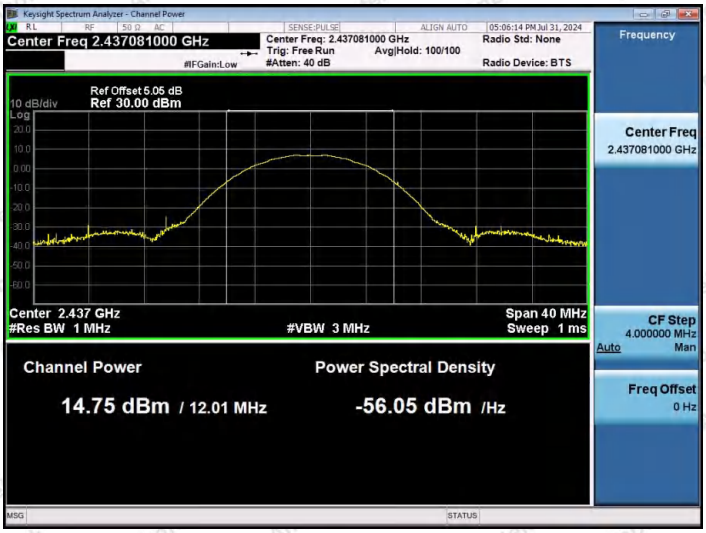

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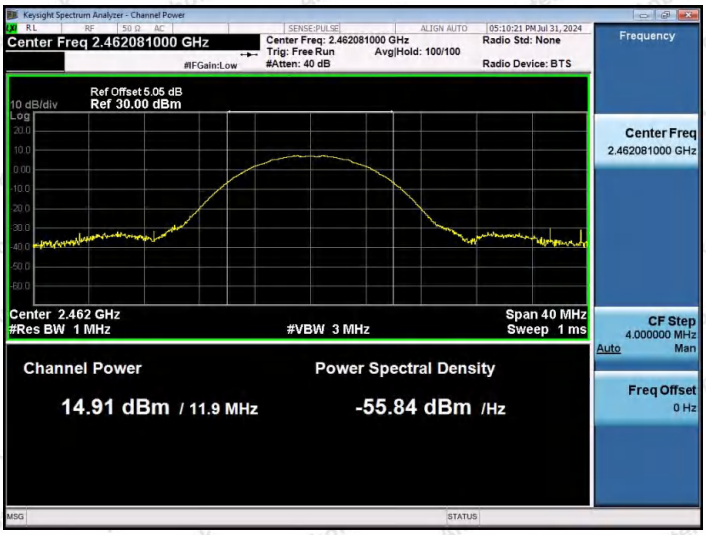

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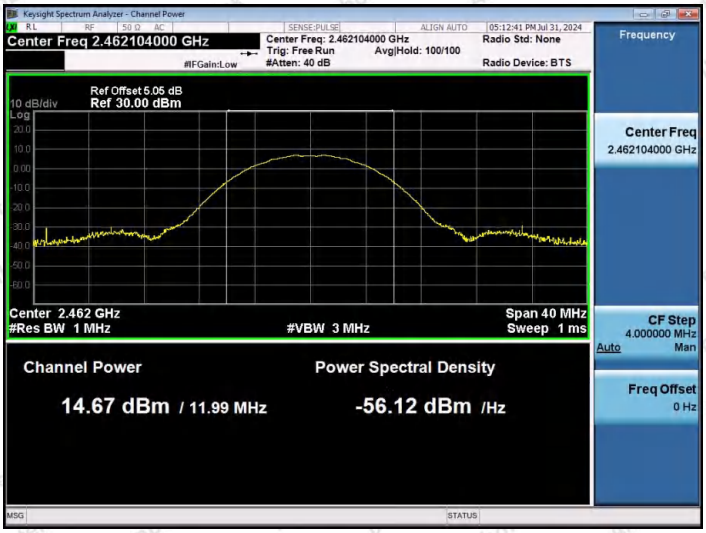

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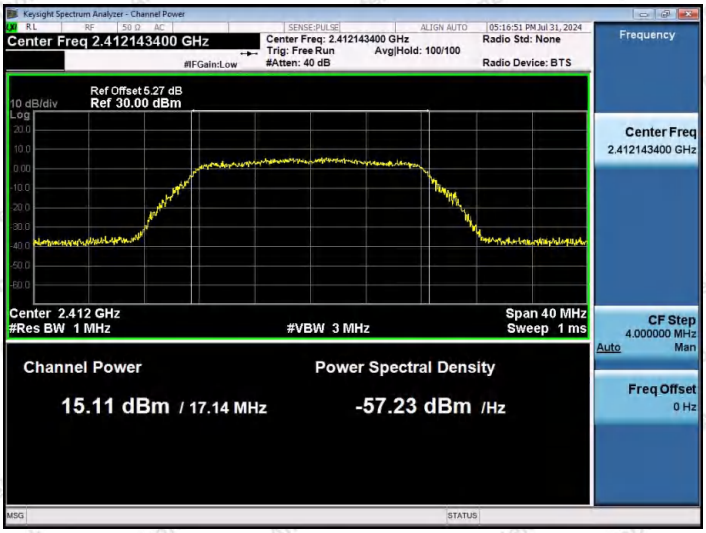

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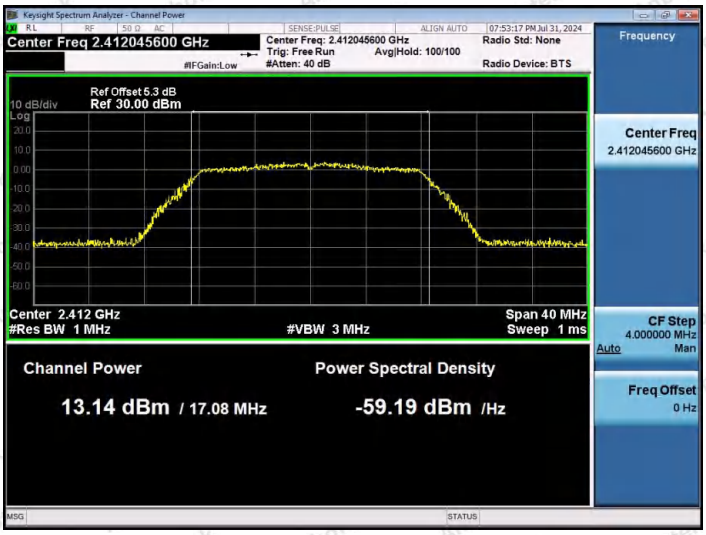

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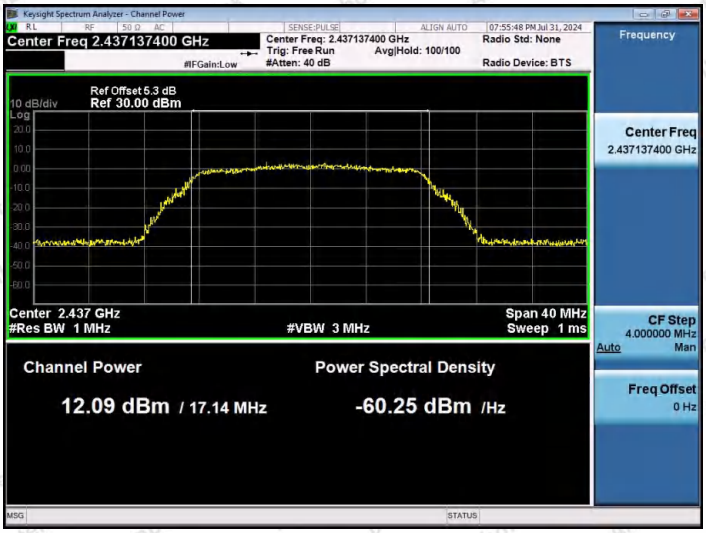

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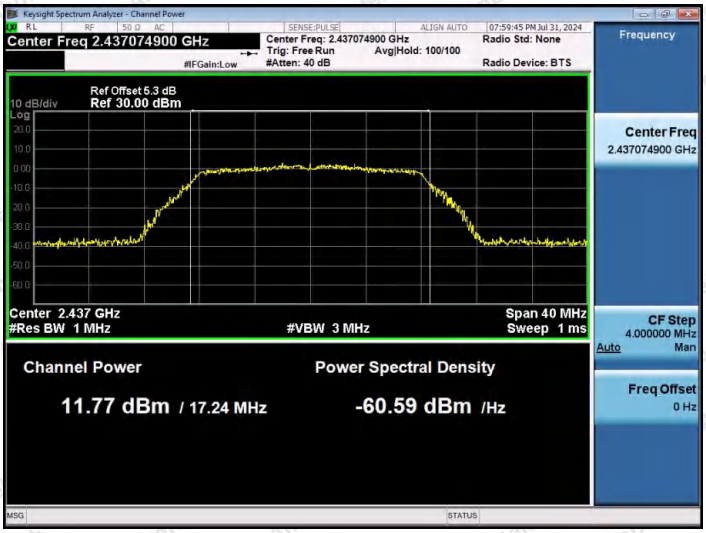

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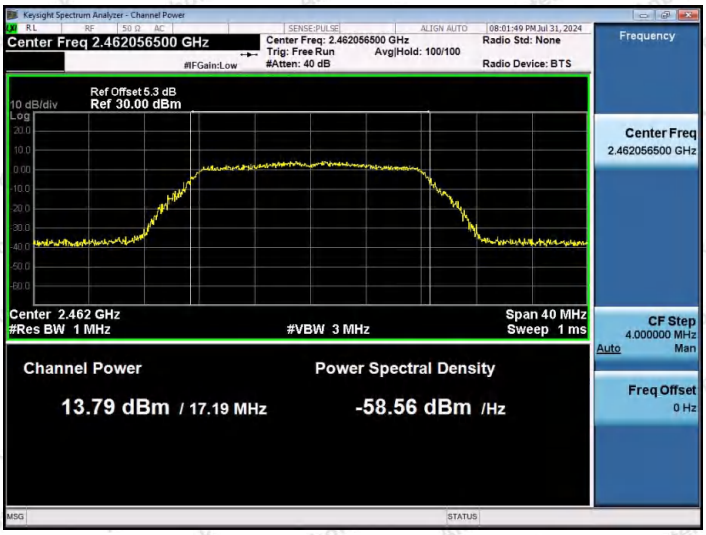

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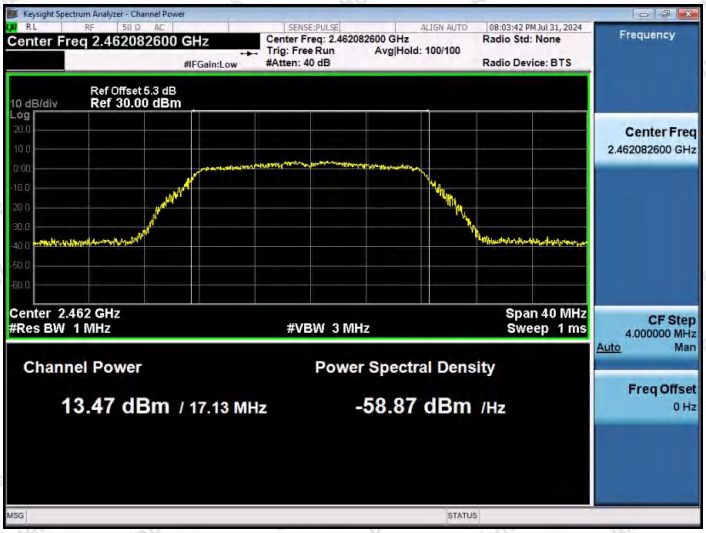

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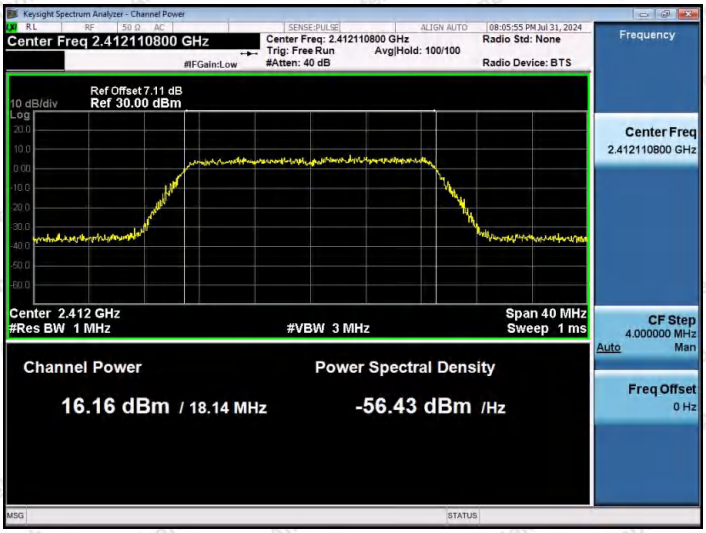

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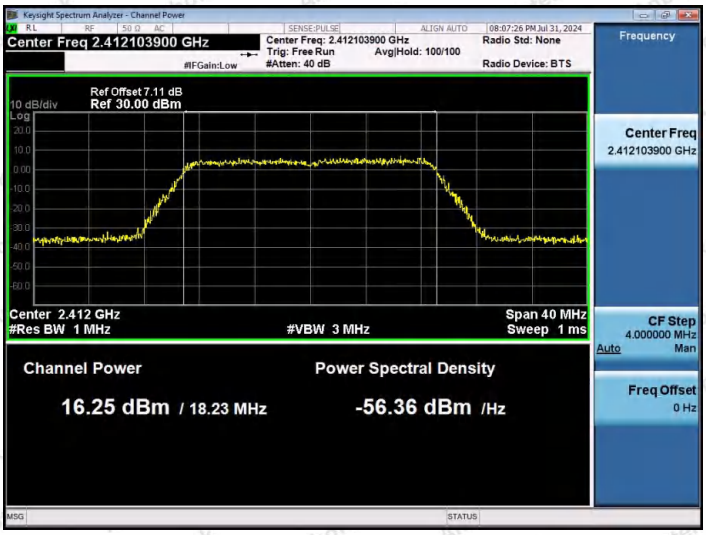

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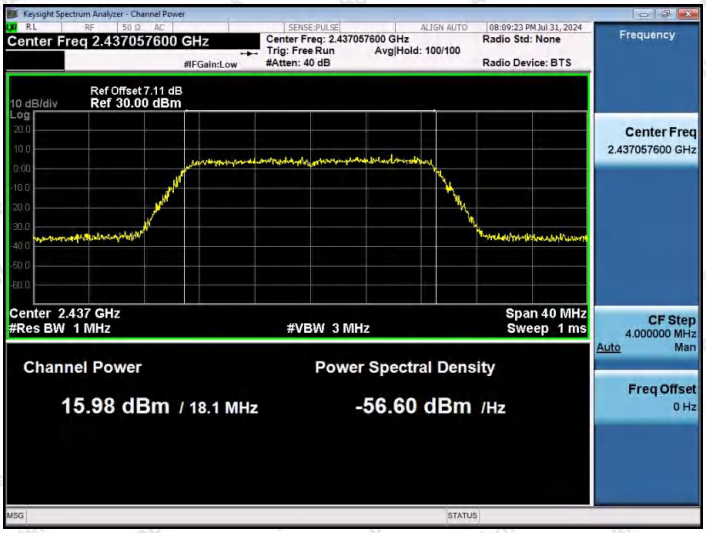

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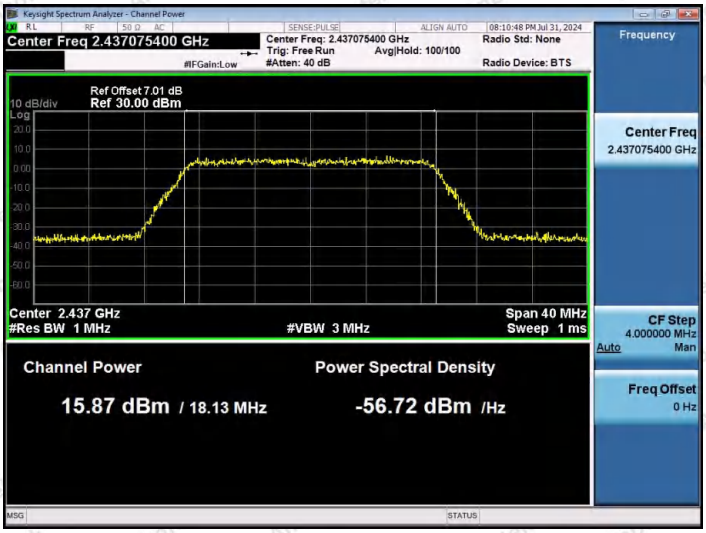

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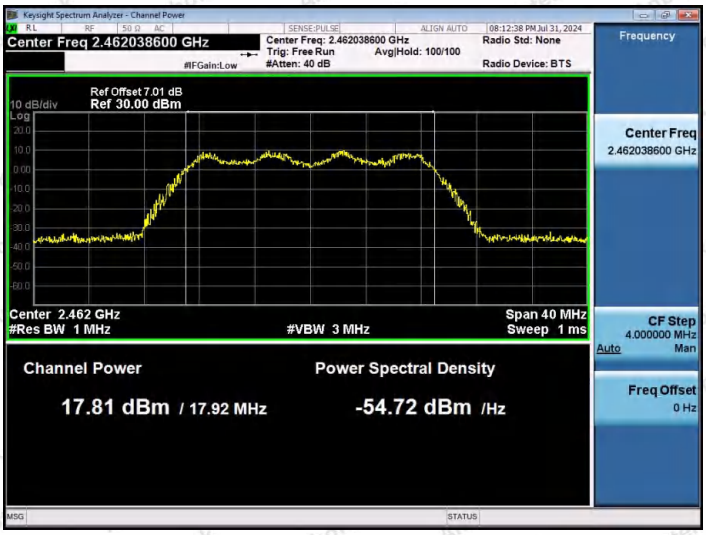

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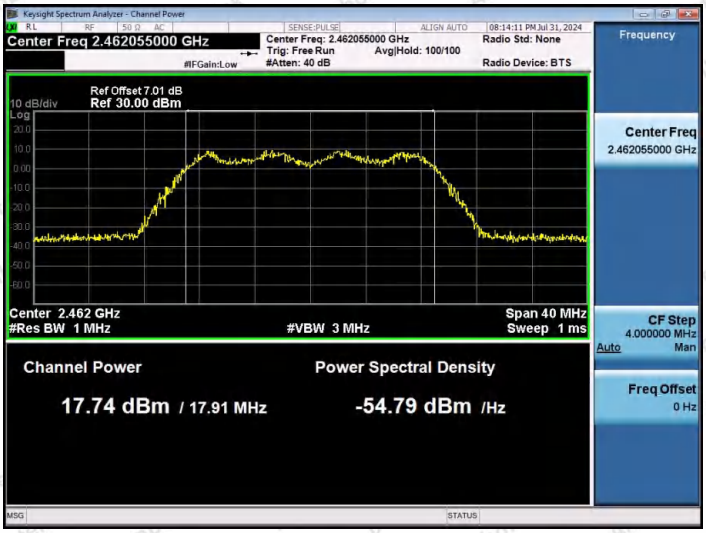

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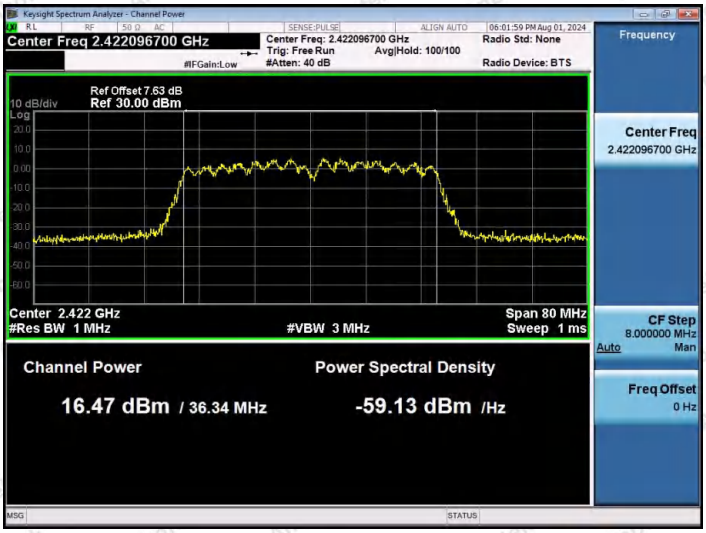

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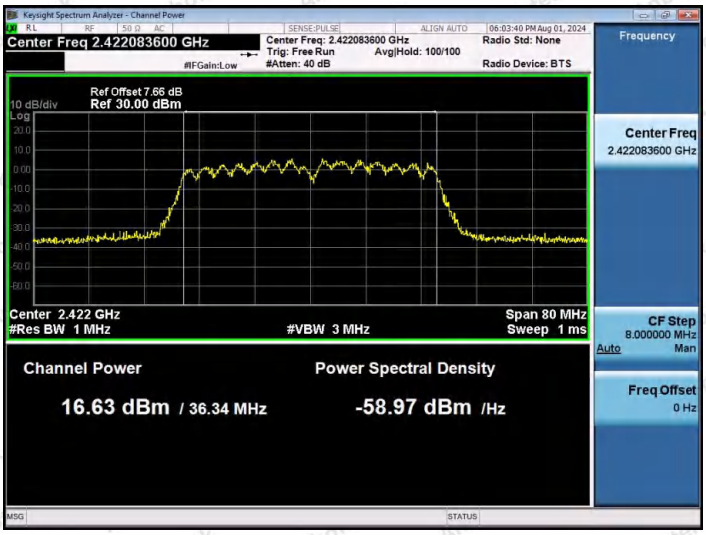

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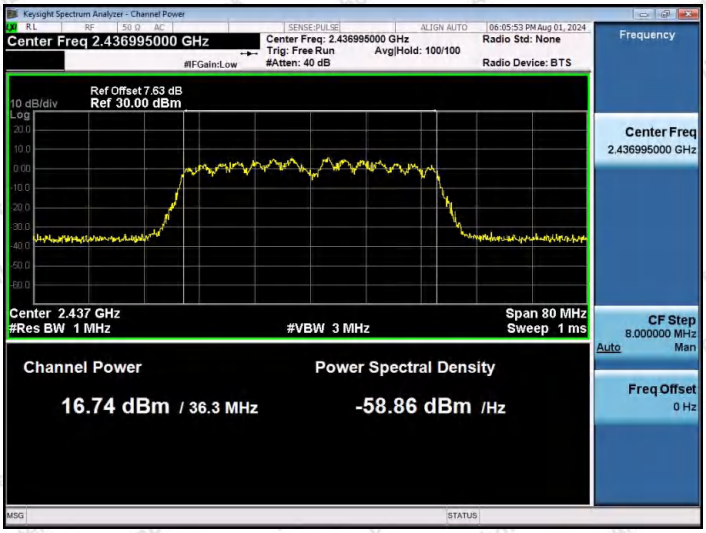

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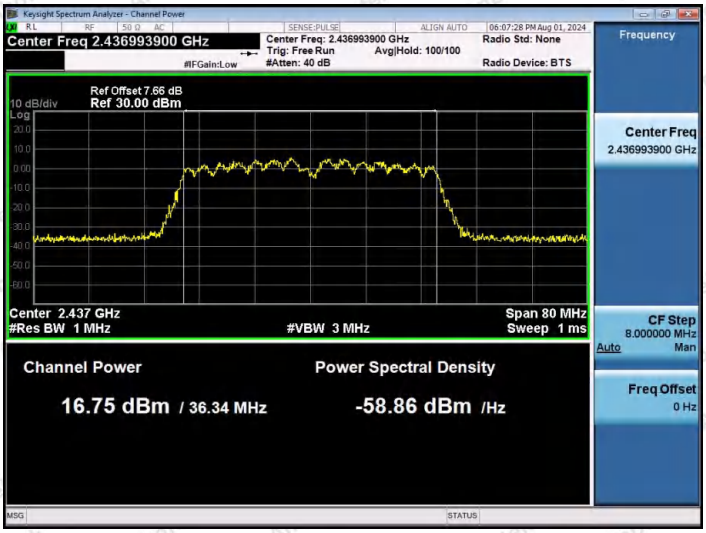

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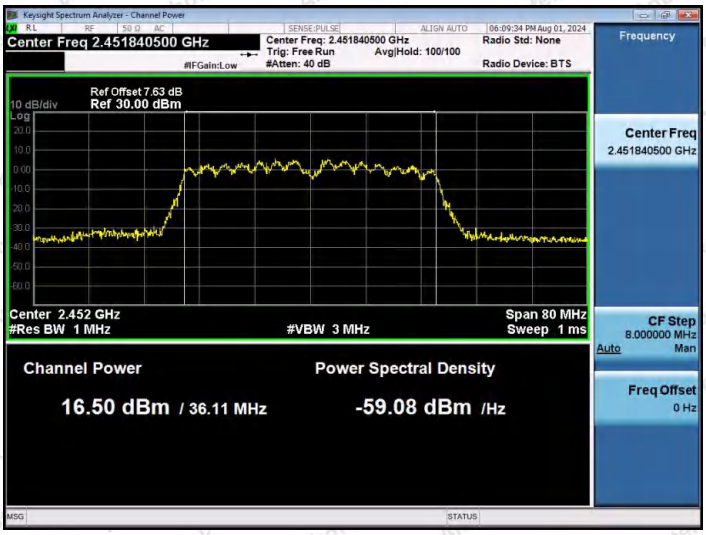

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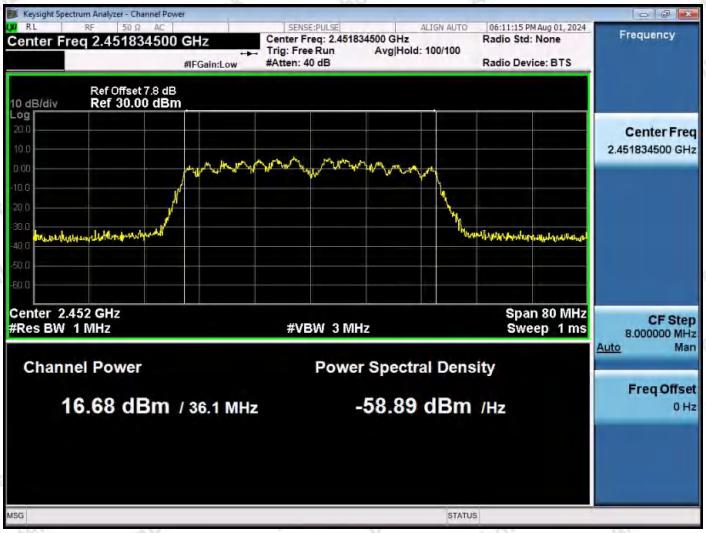

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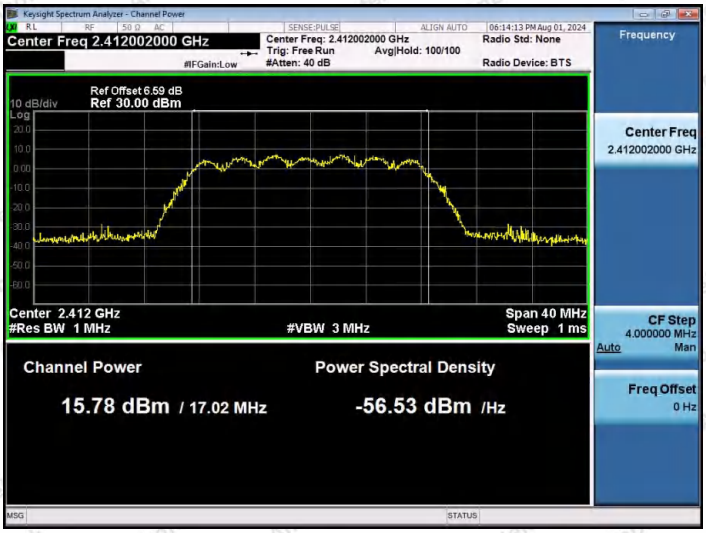

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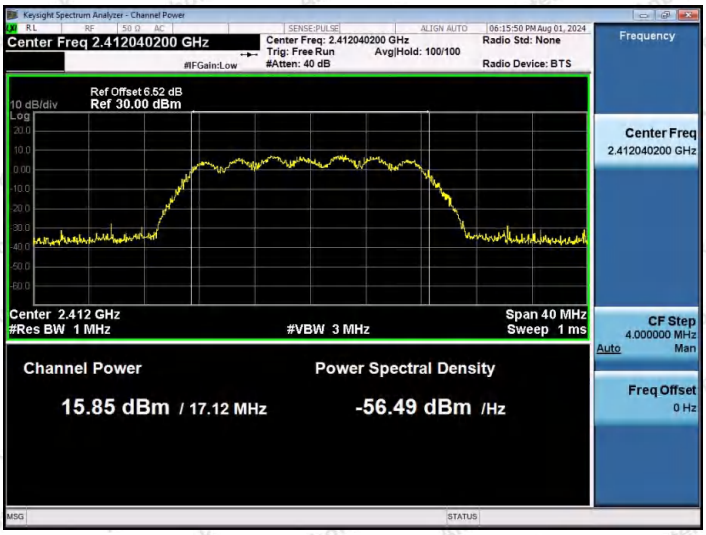

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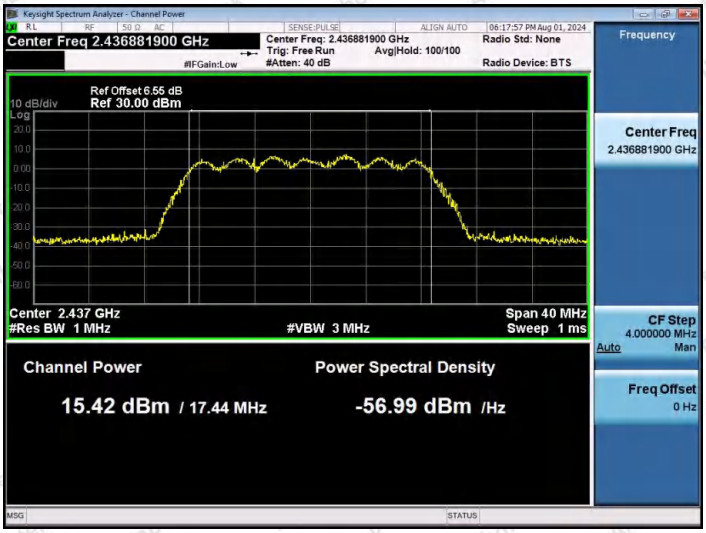

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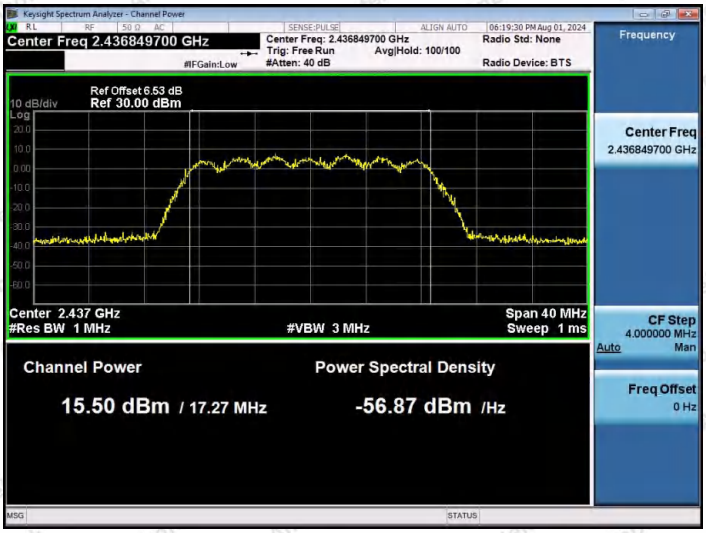

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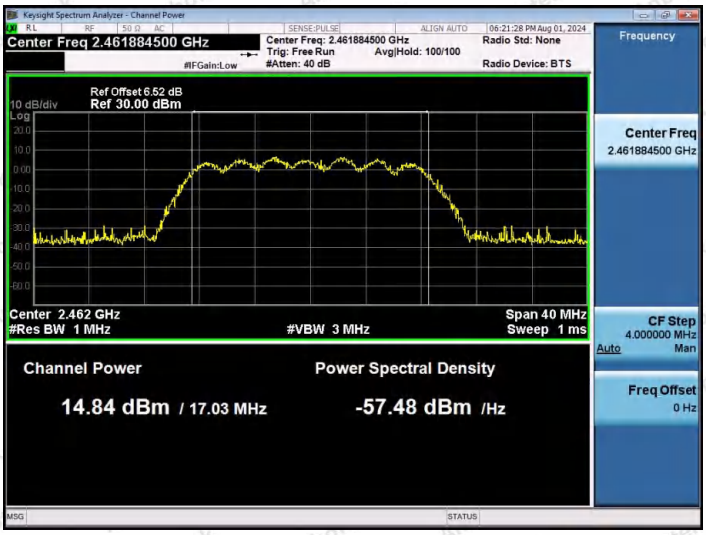
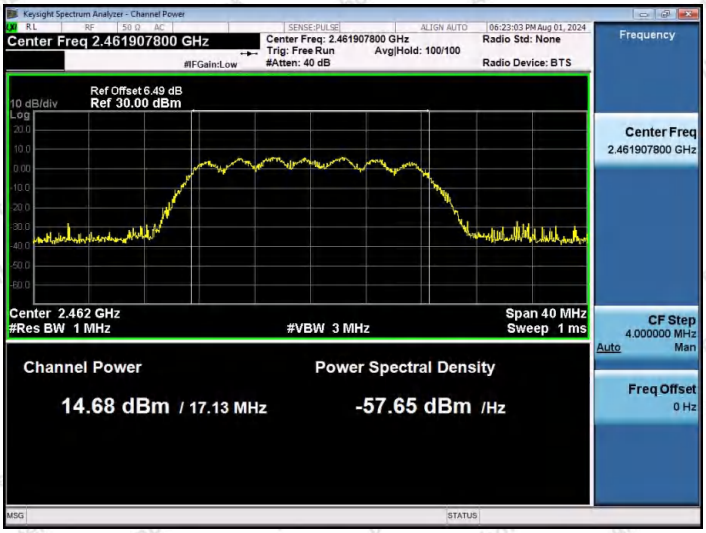


11AX20MIMO-Ant1-2462-PASS



11AX20MIMO-Ant2-2462-PASS