Appendix for WIFI 2.4GHz

Product Name: Realia
Model No: VR2

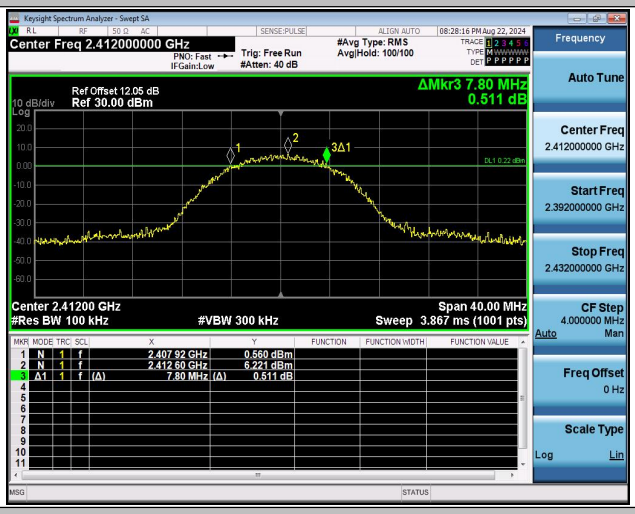
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.800	2407.920	2415.720	0.5	PASS
	Ant2	2412	8.040	2407.680	2415.720	0.5	PASS
	Ant1	2437	16.520	2428.720	2445.240	0.5	PASS
	Ant2	2437	7.160	2433.320	2440.480	0.5	PASS
	Ant1	2462	7.840	2458.240	2466.080	0.5	PASS
	Ant2	2462	6.960	2458.480	2465.440	0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	0.5	PASS
	Ant2	2412	16.440	2403.760	2420.200	0.5	PASS
	Ant1	2437	16.480	2428.760	2445.240	0.5	PASS
	Ant2	2437	16.480	2428.760	2445.240	0.5	PASS
	Ant1	2462	16.400	2453.800	2470.200	0.5	PASS
	Ant2	2462	16.440	2453.760	2470.200	0.5	PASS
11N20MIMO	Ant1	2412	17.720	2403.120	2420.840	0.5	PASS
	Ant2	2412	17.680	2403.120	2420.800	0.5	PASS
	Ant1	2437	17.720	2428.160	2445.880	0.5	PASS
	Ant2	2437	17.720	2428.120	2445.840	0.5	PASS
	Ant1	2462	17.680	2453.160	2470.840	0.5	PASS
	Ant2	2462	17.720	2453.120	2470.840	0.5	PASS
11AX20MIMO	Ant1	2412	19.040	2402.480	2421.520	0.5	PASS
	Ant2	2412	39.920	2392.040	2431.960	0.5	PASS
	Ant1	2437	19.000	2427.520	2446.520	0.5	PASS
	Ant2	2437	19.080	2427.440	2446.520	0.5	PASS
	Ant1	2462	19.080	2452.440	2471.520	0.5	PASS
	Ant2	2462	19.080	2452.440	2471.520	0.5	PASS

Test Graphs

11B_Ant1_2412



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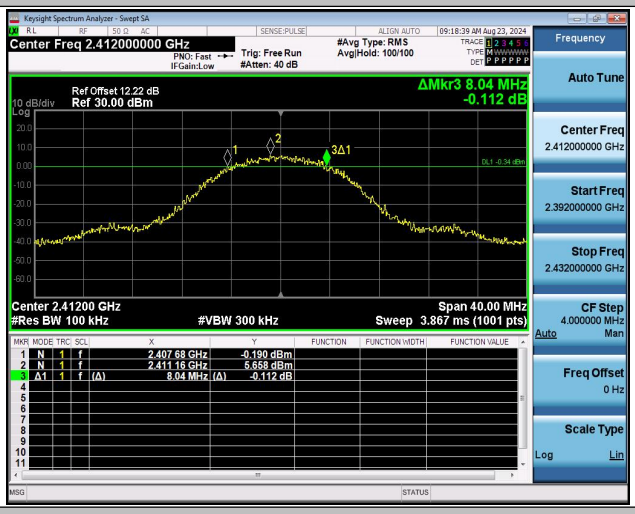
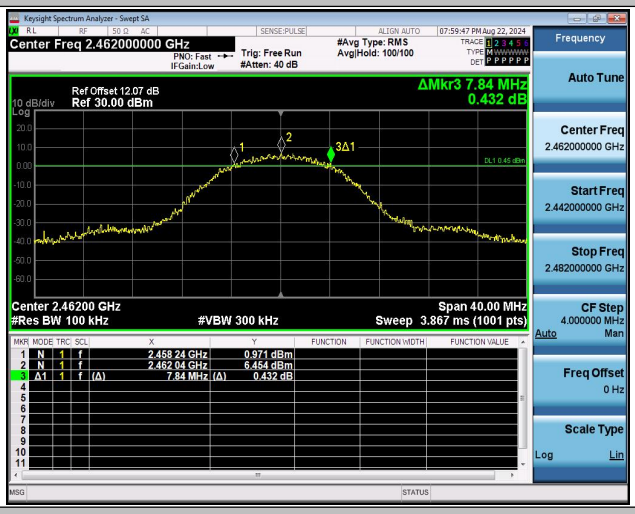


11B_Ant1_2437

11B_Ant2_2437

11B_Ant1_2462



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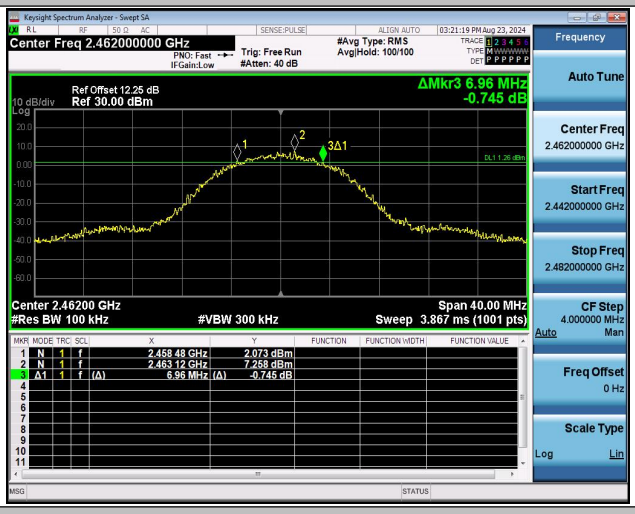

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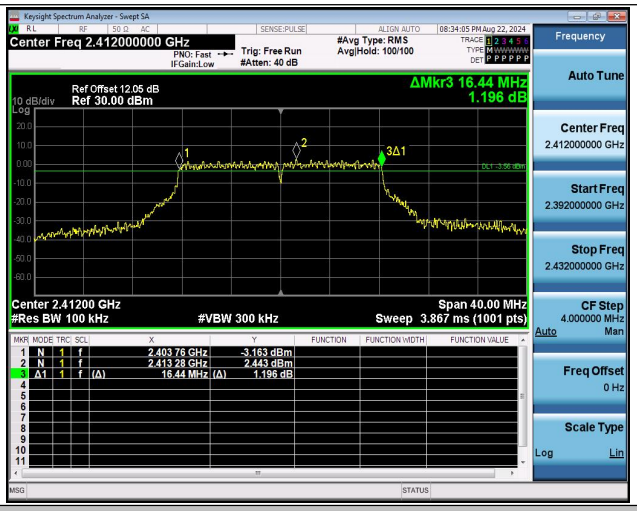

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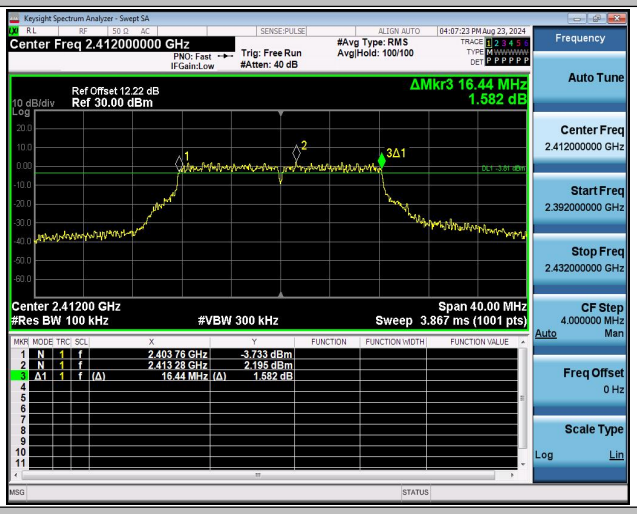

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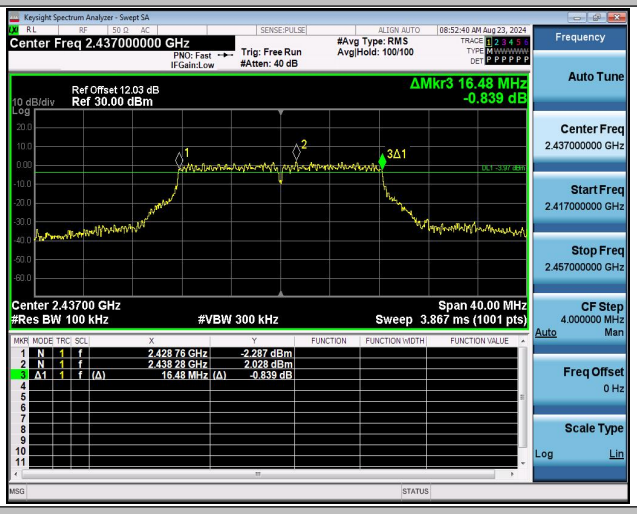
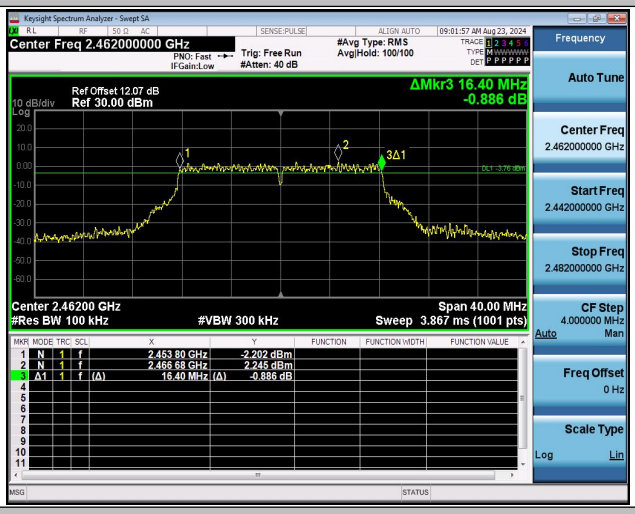


11G_Ant2_2437

11G_Ant1_2462



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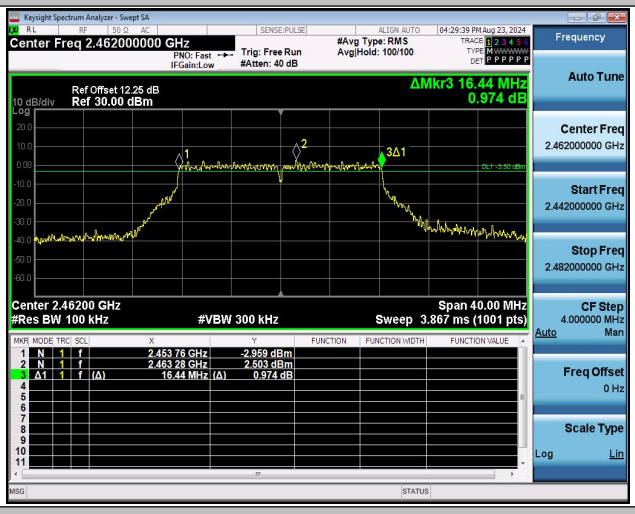

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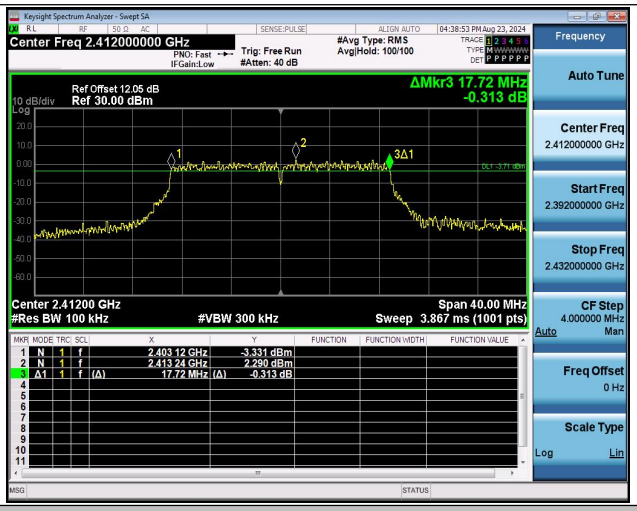

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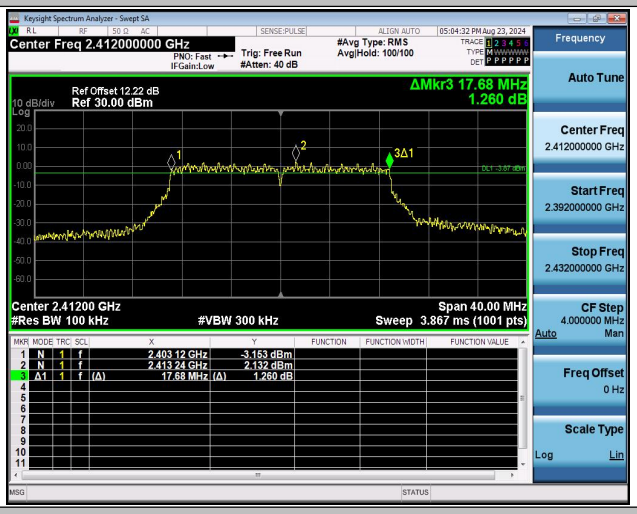

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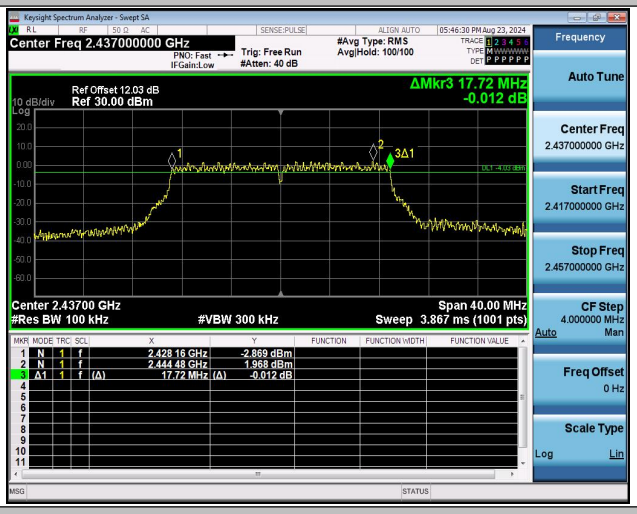

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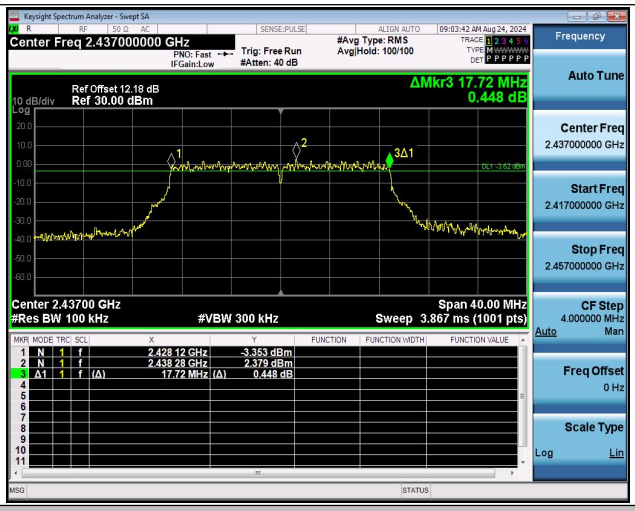

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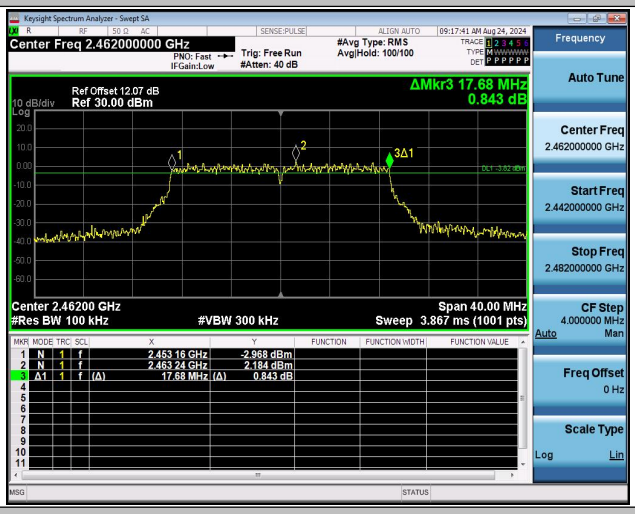

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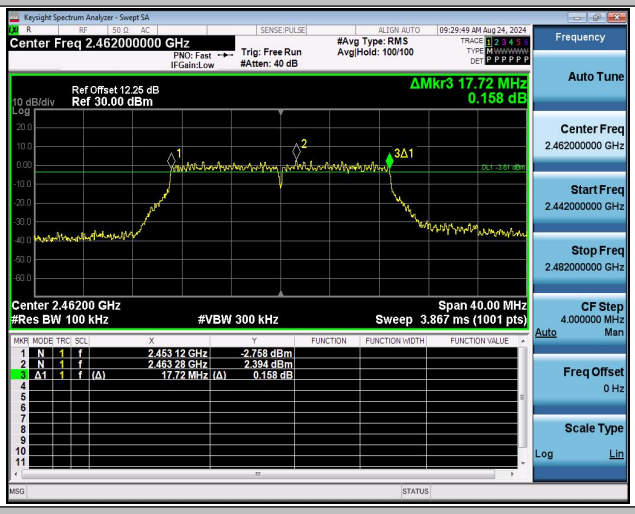

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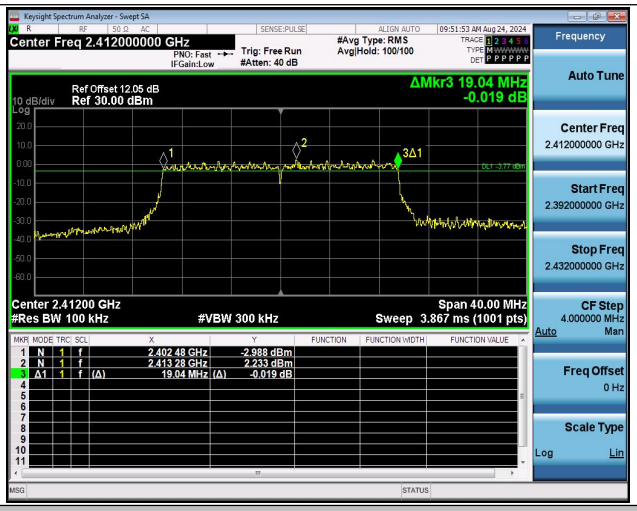

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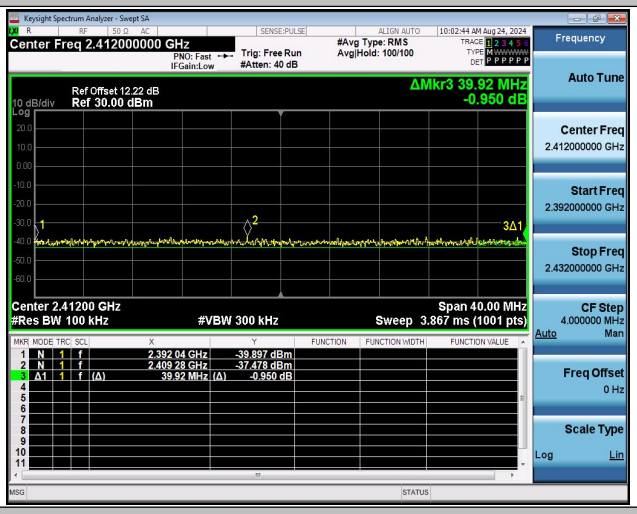

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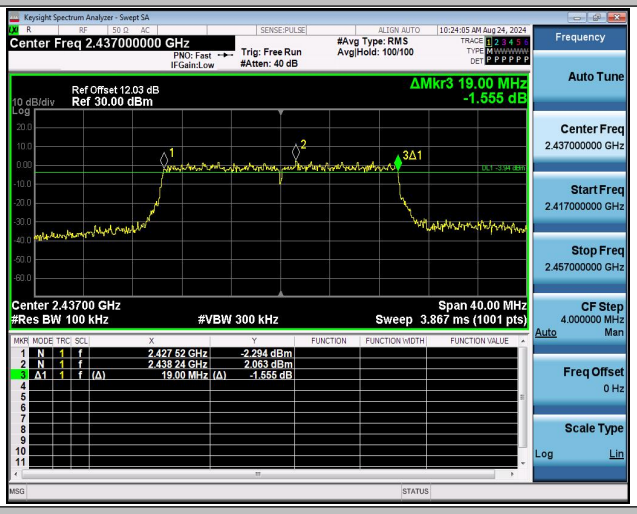

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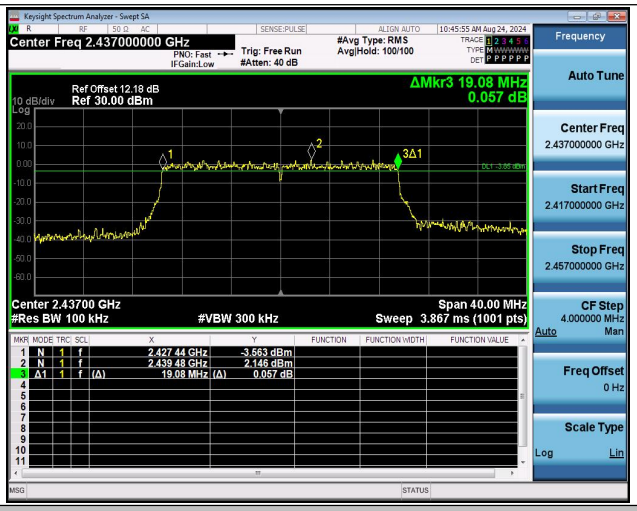

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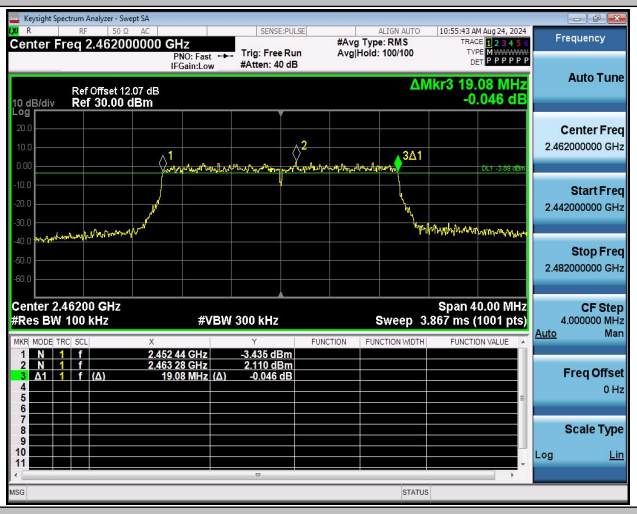

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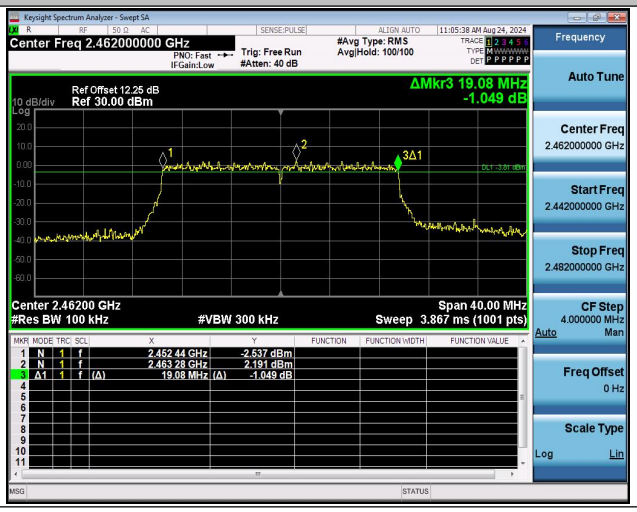


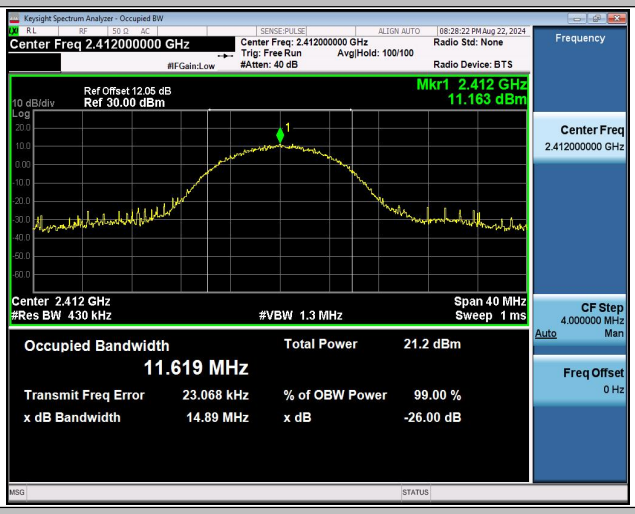
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.619	2406.2136	2417.8326	---	---
	Ant2	2412	12.114	2405.9232	2418.0372	---	---
	Ant1	2437	11.977	2431.0578	2443.0348	---	---
	Ant2	2437	12.132	2430.9209	2443.0529	---	---
	Ant1	2462	12.018	2456.0207	2468.0387	---	---
	Ant2	2462	11.942	2456.0384	2467.9804	---	---
11G	Ant1	2412	17.306	2403.4422	2420.7482	---	---
	Ant2	2412	17.169	2403.4633	2420.6323	---	---
	Ant1	2437	17.121	2428.4708	2445.5918	---	---
	Ant2	2437	17.105	2428.5194	2445.6244	---	---
	Ant1	2462	17.127	2453.4681	2470.5951	---	---
	Ant2	2462	17.071	2453.5079	2470.5789	---	---
11N20MIMO	Ant1	2412	18.168	2403.0638	2421.2318	---	---
	Ant2	2412	18.225	2402.8741	2421.0991	---	---
	Ant1	2437	18.218	2427.9169	2446.1349	---	---
	Ant2	2437	18.267	2427.9229	2446.1899	---	---
	Ant1	2462	18.170	2452.9902	2471.1602	---	---
	Ant2	2462	18.095	2452.9737	2471.0687	---	---
11AX20MIMO	Ant1	2412	19.181	2402.4561	2421.6371	---	---
	Ant2	2412	39.619	2392.1823	2431.8013	---	---
	Ant1	2437	19.139	2427.4720	2446.6110	---	---
	Ant2	2437	19.134	2427.4453	2446.5793	---	---
	Ant1	2462	19.174	2452.4331	2471.6071	---	---
	Ant2	2462	19.158	2452.4341	2471.5921	---	---

Test Graphs

11B_Ant1_2412



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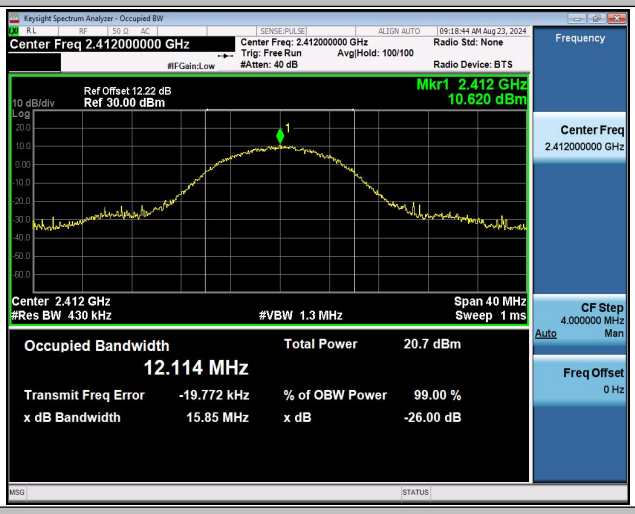

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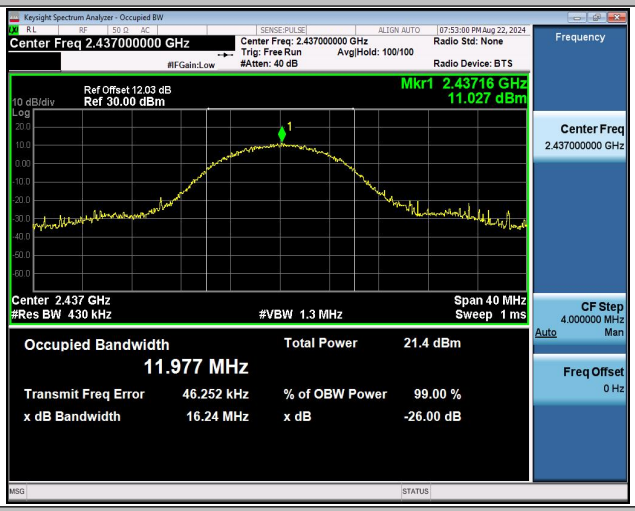

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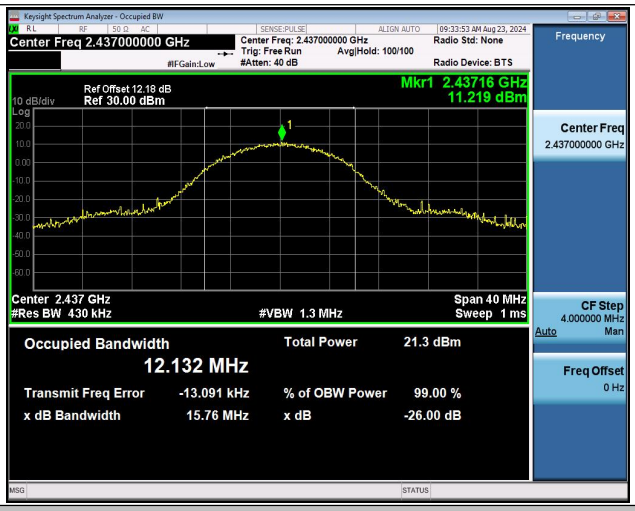

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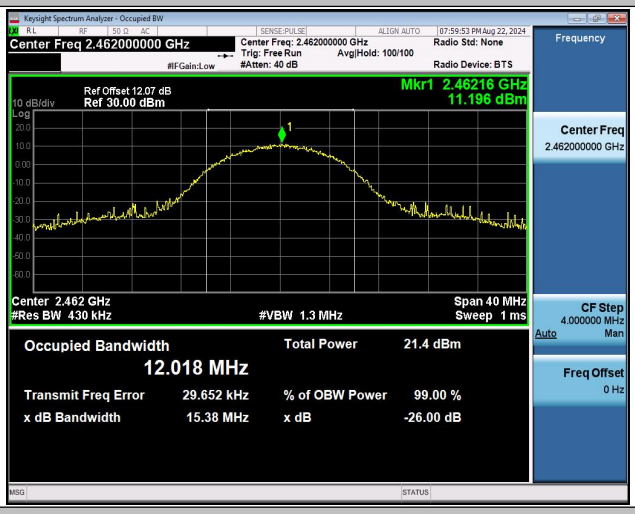

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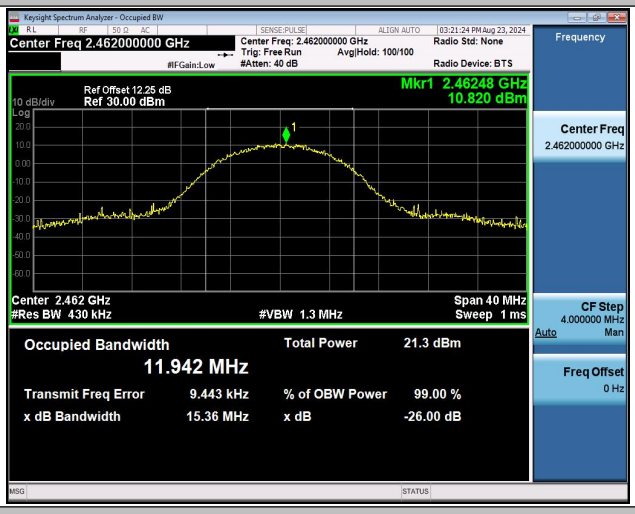
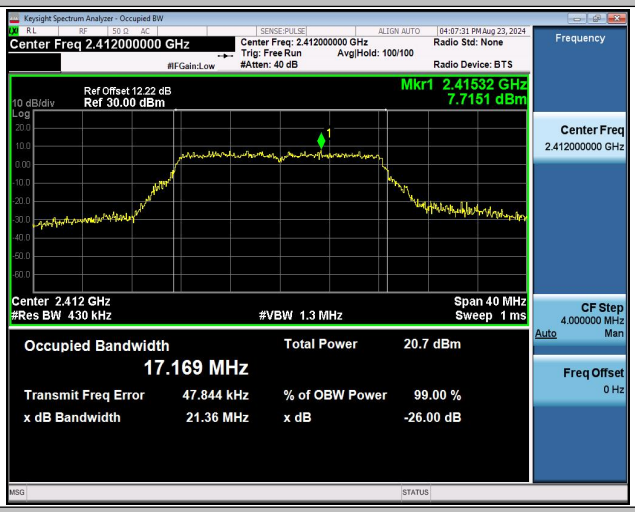


11G_Ant1_2412

11G_Ant2_2412



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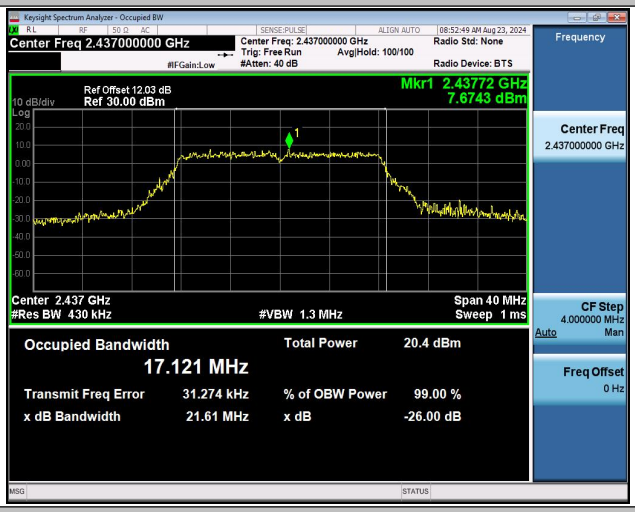

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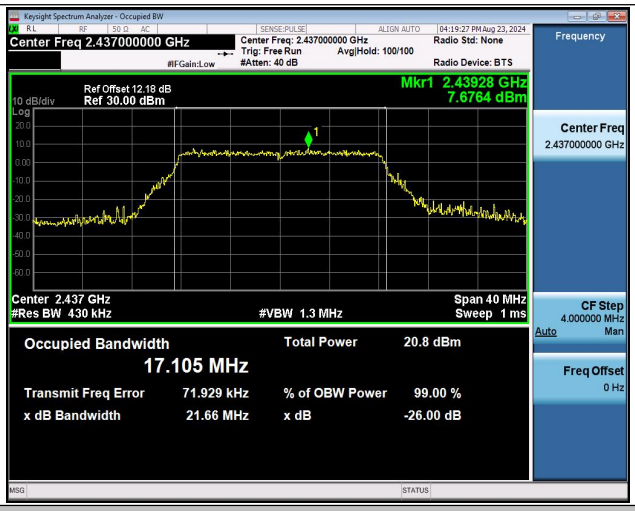

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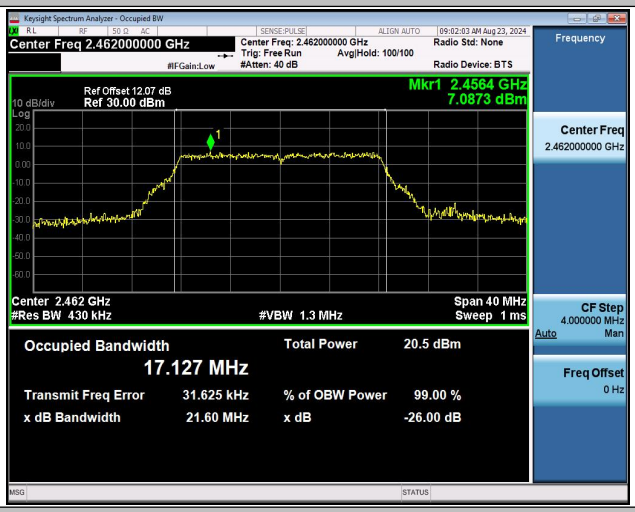

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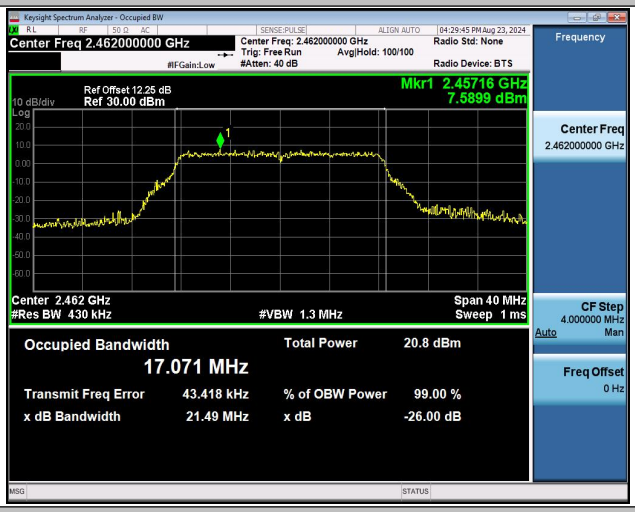

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