

FCC Appendix RF Test Data

FCC ID : **2A8W5S6MAX**

Company: : **BAODE INTERNATIONAL LIMITED**

EUT : **Smart Media Player**

Model Number : **SuperBOX S6MAX**

Reviewed By : **Eric Wang**

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.320	2407.200	2416.520	0.5	PASS
		2437	9.080	2432.480	2441.560	0.5	PASS
		2462	9.120	2456.960	2466.080	0.5	PASS
11G	Ant1	2412	15.760	2404.440	2420.200	0.5	PASS
		2437	15.720	2429.440	2445.160	0.5	PASS
		2462	16.040	2454.120	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.160	2404.440	2420.600	0.5	PASS
		2437	15.760	2429.440	2445.200	0.5	PASS
		2462	16.560	2454.080	2470.640	0.5	PASS
11N40SISO	Ant1	2422	35.440	2404.480	2439.920	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.200	2434.400	2469.600	0.5	PASS
11AX20SISO	Ant1	2412	16.160	2404.480	2420.640	0.5	PASS
		2437	15.720	2429.480	2445.200	0.5	PASS
		2462	16.840	2453.800	2470.640	0.5	PASS
11AX40SISO	Ant1	2422	35.600	2404.480	2440.080	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.200	2434.400	2469.600	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



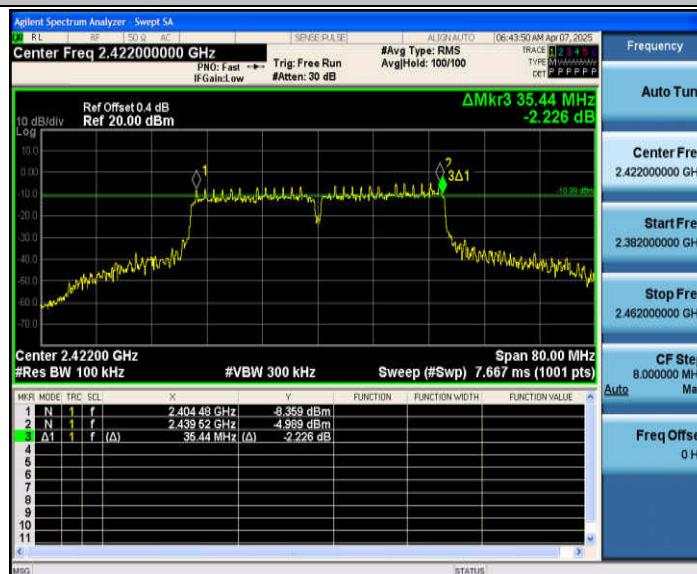
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



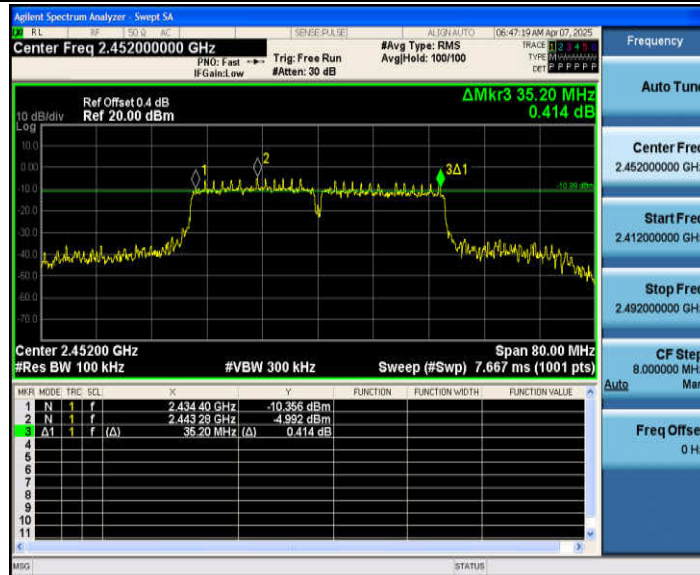
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



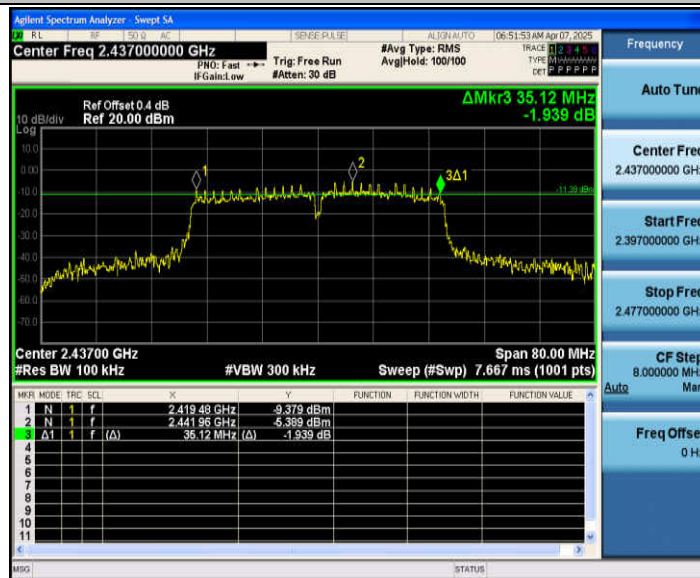
11AX20SISO_Ant1_2462



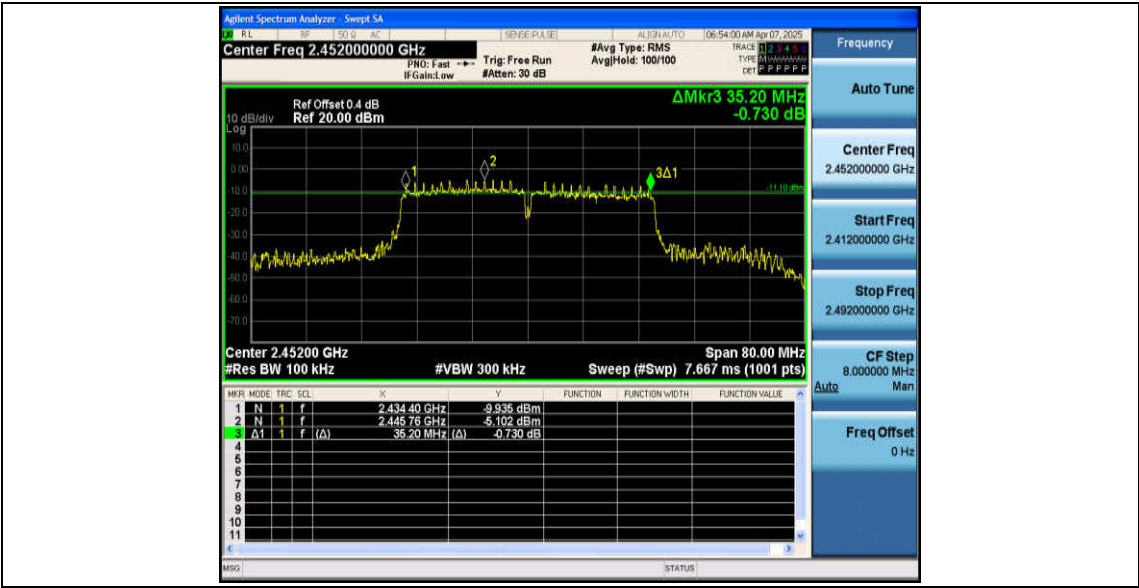
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.345	2405.7727	2418.1177	---	---
		2437	12.282	2431.0980	2443.3800	---	---
		2462	12.701	2455.4671	2468.1681	---	---
11G	Ant1	2412	16.815	2403.7479	2420.5629	---	---
		2437	16.650	2428.8244	2445.4744	---	---
		2462	16.950	2453.6290	2470.5790	---	---
11N20SISO	Ant1	2412	17.890	2403.2706	2421.1606	---	---
		2437	17.667	2428.2871	2445.9541	---	---
		2462	17.975	2453.1436	2471.1186	---	---
11N40SISO	Ant1	2422	36.369	2404.0899	2440.4589	---	---
		2437	36.010	2419.0656	2455.0756	---	---
		2452	36.425	2433.8914	2470.3164	---	---
11AX20SISO	Ant1	2412	17.897	2403.2228	2421.1198	---	---
		2437	17.614	2428.3271	2445.9411	---	---
		2462	18.082	2453.0942	2471.1762	---	---
11AX40SISO	Ant1	2422	36.383	2404.0775	2440.4605	---	---
		2437	35.978	2419.0768	2455.0548	---	---
		2452	36.341	2433.9065	2470.2475	---	---

Test Graphs

11B_Ant1_2412



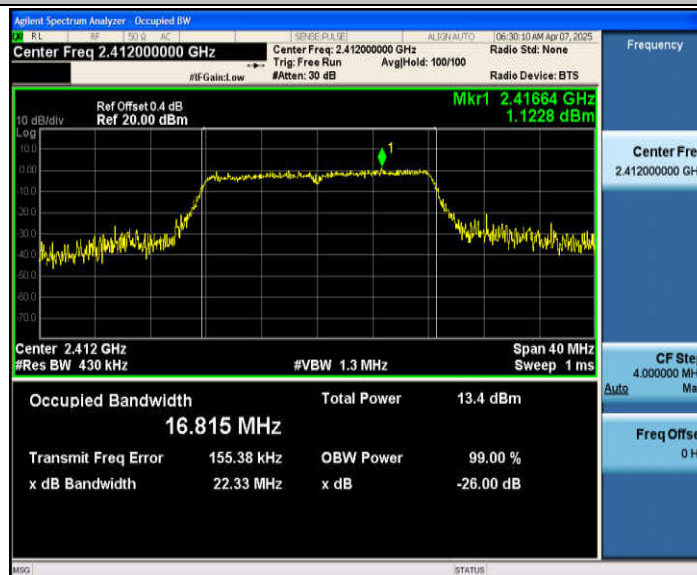
11B_Ant1_2437



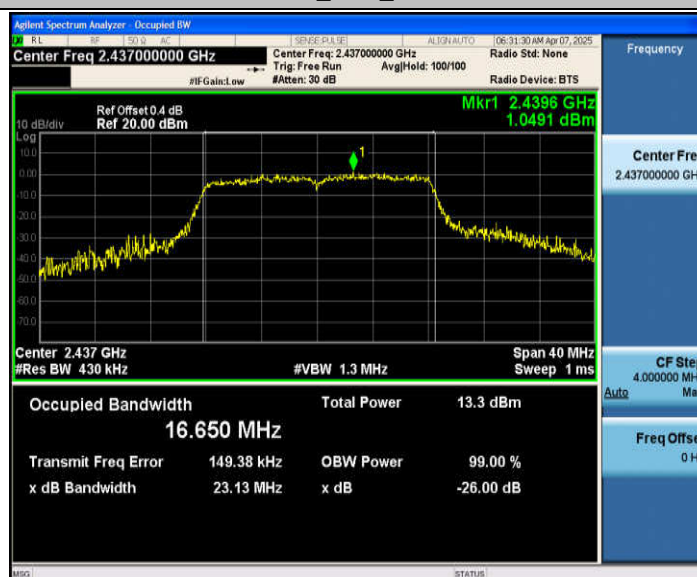
11B_Ant1_2462



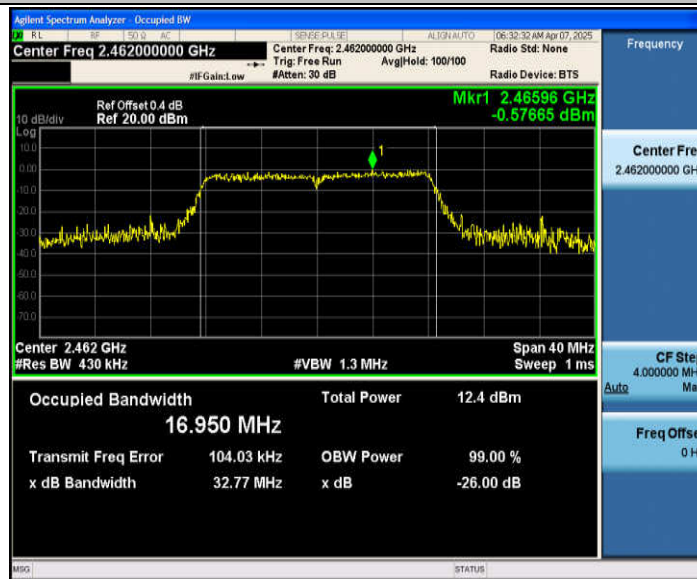
11G_Ant1_2412



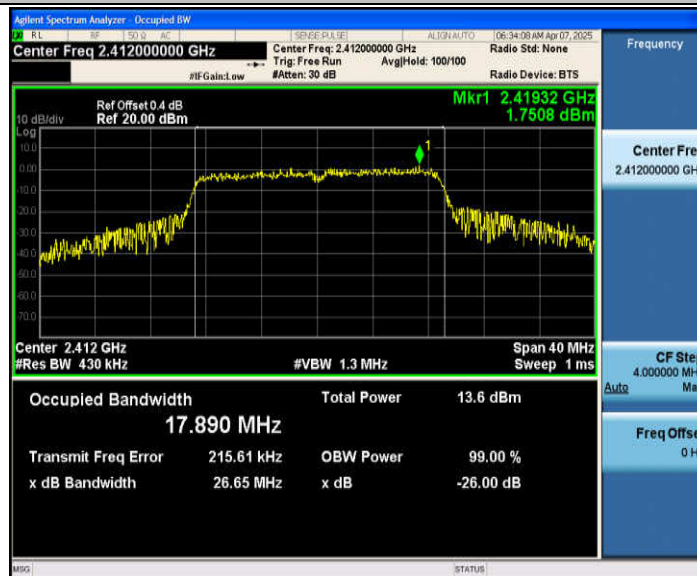
11G_Ant1_2437



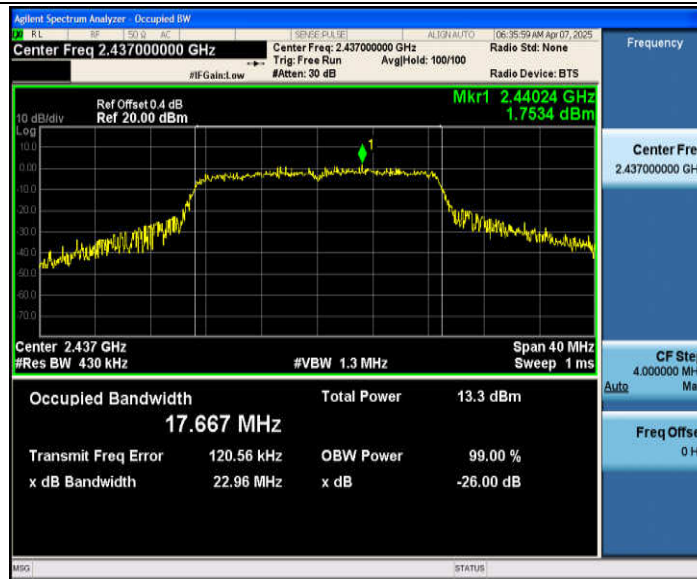
11G_Ant1_2462



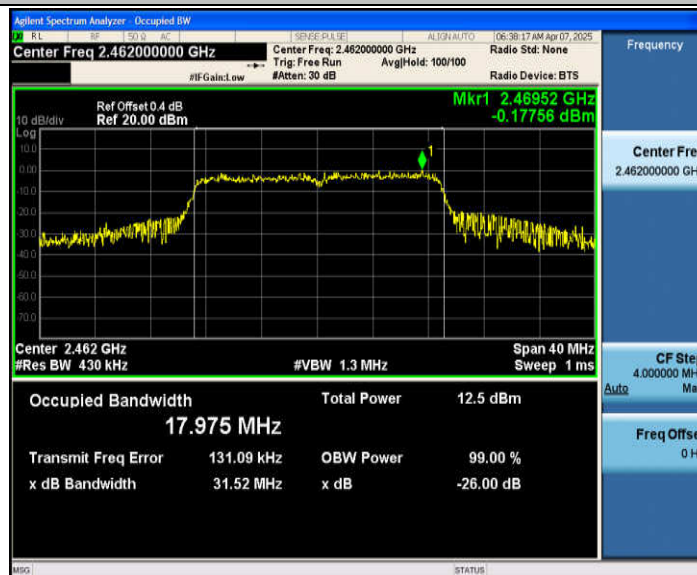
11N20SISO_Ant1_2412



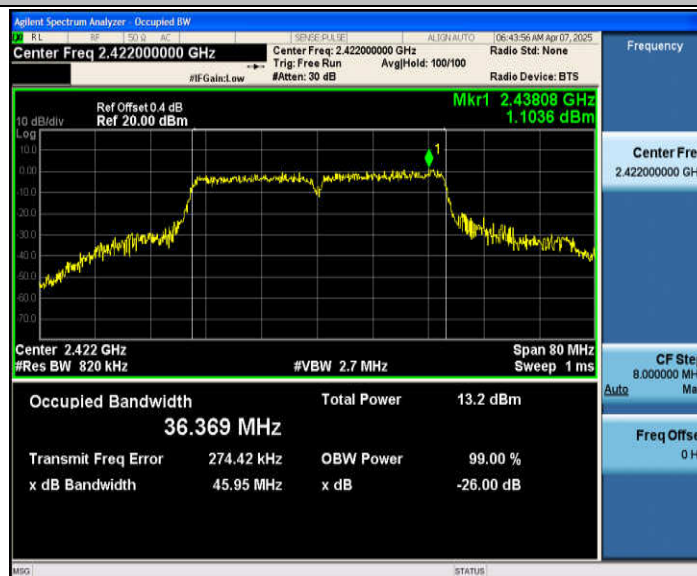
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



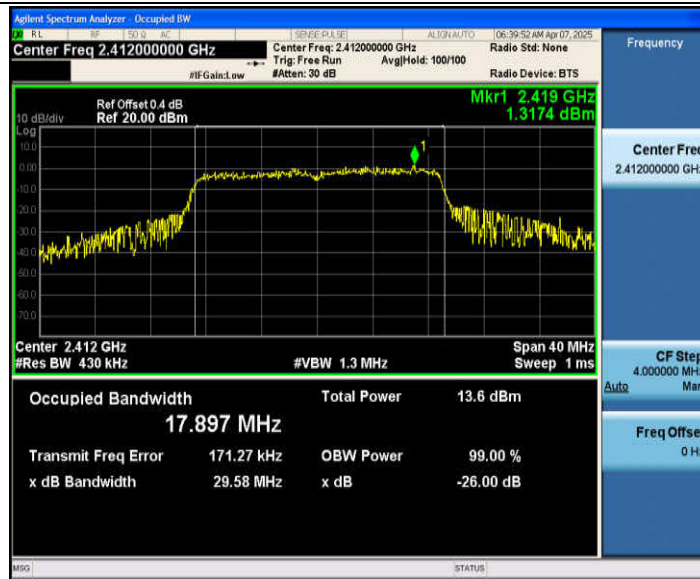
11N40SISO_Ant1_2437



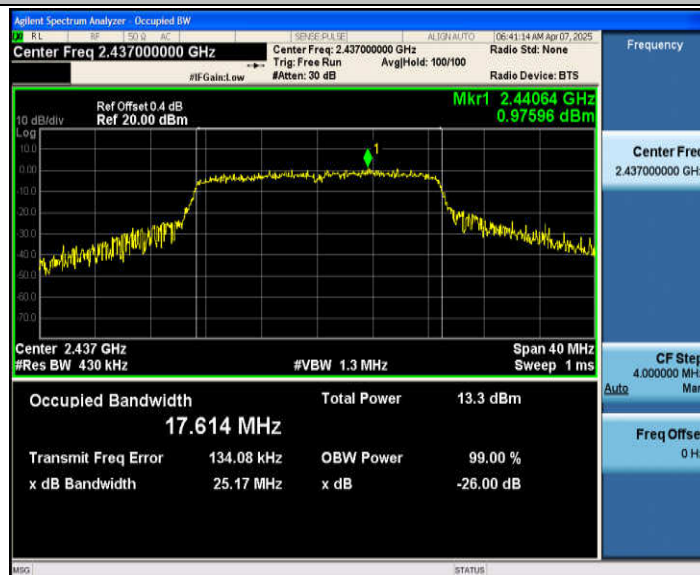
11N40SISO_Ant1_2452



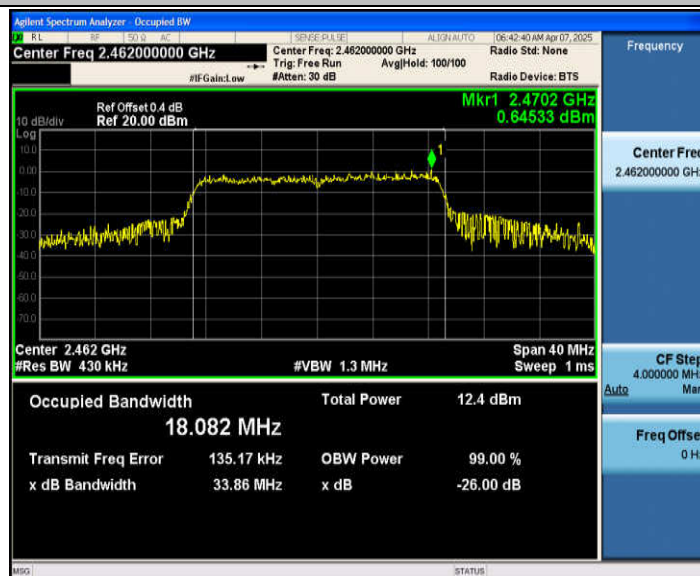
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



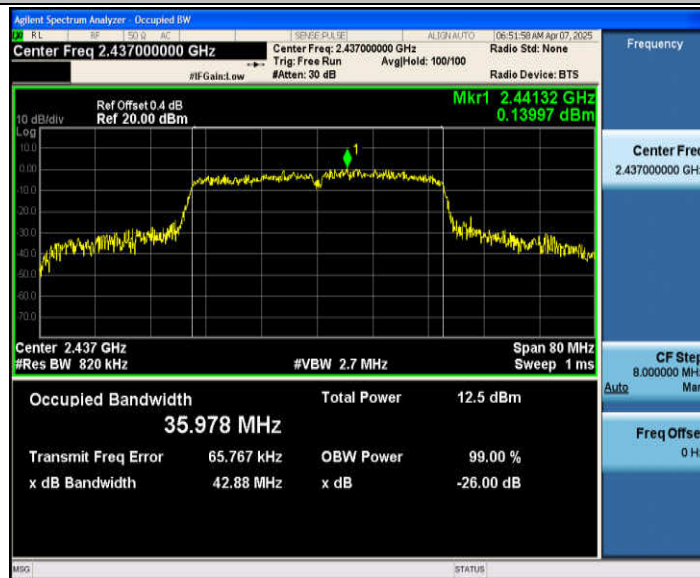
11AX20SISO_Ant1_2462



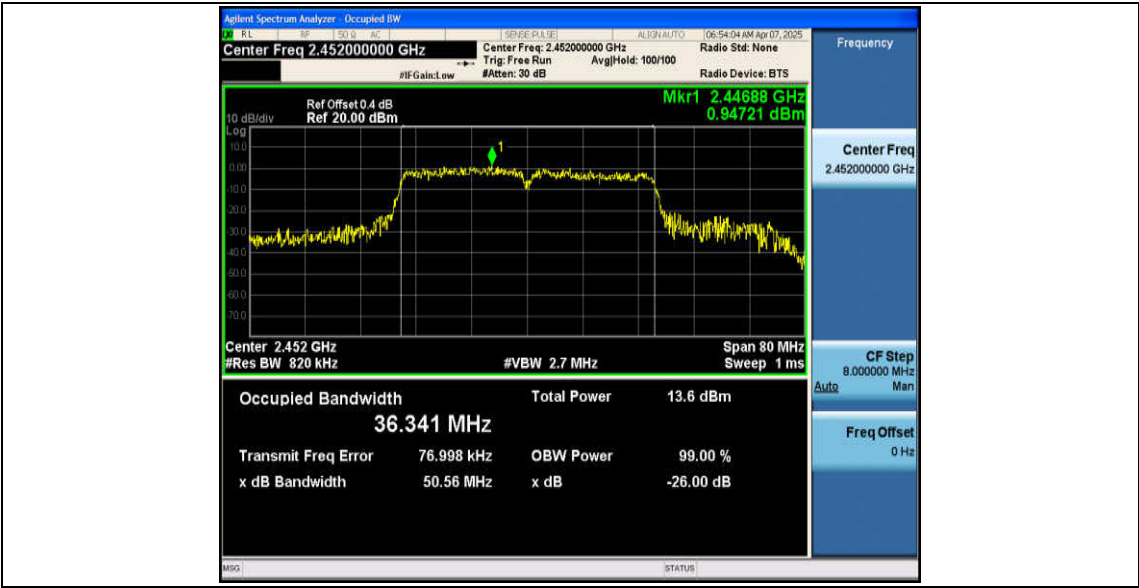
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.35	≤30.00	PASS
		2437	14.47	≤30.00	PASS
		2462	13.32	≤30.00	PASS
11G	Ant1	2412	14.11	≤30.00	PASS
		2437	13.96	≤30.00	PASS
		2462	13.10	≤30.00	PASS
11N20SISO	Ant1	2412	14.30	≤30.00	PASS
		2437	13.78	≤30.00	PASS
		2462	12.94	≤30.00	PASS
11N40SISO	Ant1	2422	13.40	≤30.00	PASS
		2437	12.68	≤30.00	PASS
		2452	13.80	≤30.00	PASS
11AX20SISO	Ant1	2412	14.09	≤30.00	PASS
		2437	13.63	≤30.00	PASS
		2462	13.08	≤30.00	PASS
11AX40SISO	Ant1	2422	13.45	≤30.00	PASS
		2437	12.54	≤30.00	PASS
		2452	13.63	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.00	≤8.00	PASS
		2437	-10.50	≤8.00	PASS
		2462	-12.34	≤8.00	PASS
11G	Ant1	2412	-15.95	≤8.00	PASS
		2437	-16.77	≤8.00	PASS
		2462	-18.98	≤8.00	PASS
11N20SISO	Ant1	2412	-17.83	≤8.00	PASS
		2437	-18.06	≤8.00	PASS
		2462	-19.52	≤8.00	PASS
11N40SISO	Ant1	2422	-20.22	≤8.00	PASS
		2437	-21.37	≤8.00	PASS
		2452	-20.37	≤8.00	PASS
11AX20SISO	Ant1	2412	-16.33	≤8.00	PASS
		2437	-17.52	≤8.00	PASS
		2462	-17.42	≤8.00	PASS
11AX40SISO	Ant1	2422	-20.79	≤8.00	PASS
		2437	-21.49	≤8.00	PASS
		2452	-20.72	≤8.00	PASS

Test Graphs

11B_Ant1_2412



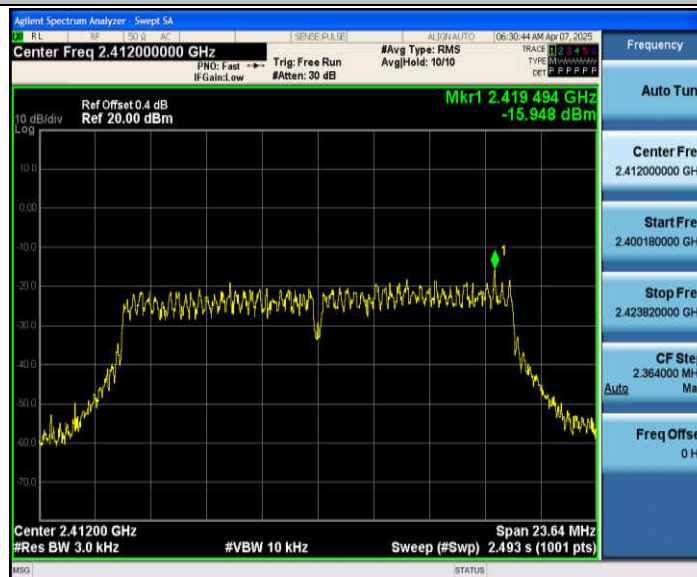
11B_Ant1_2437



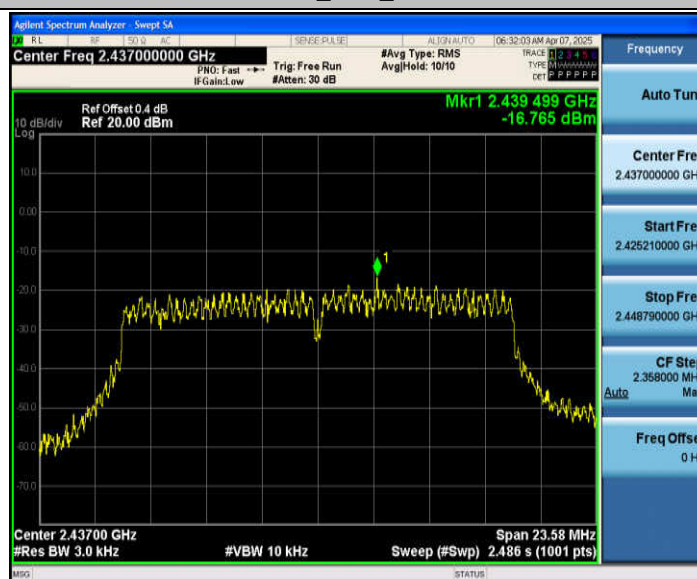
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



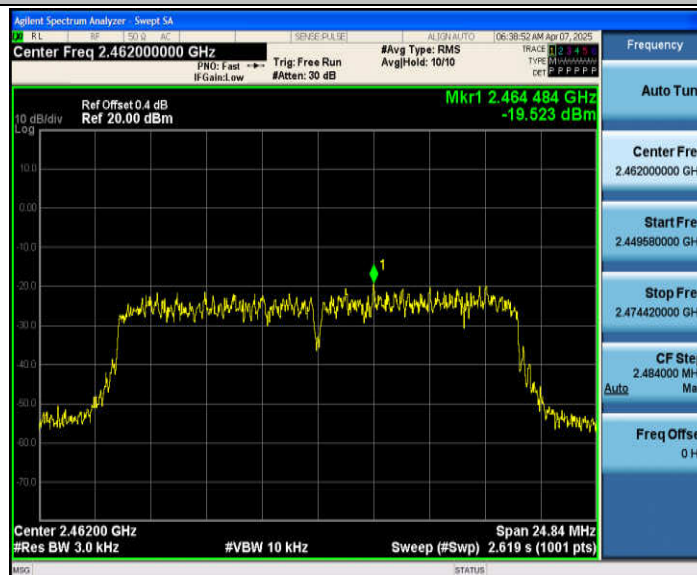
11N20SISO_Ant1_2412



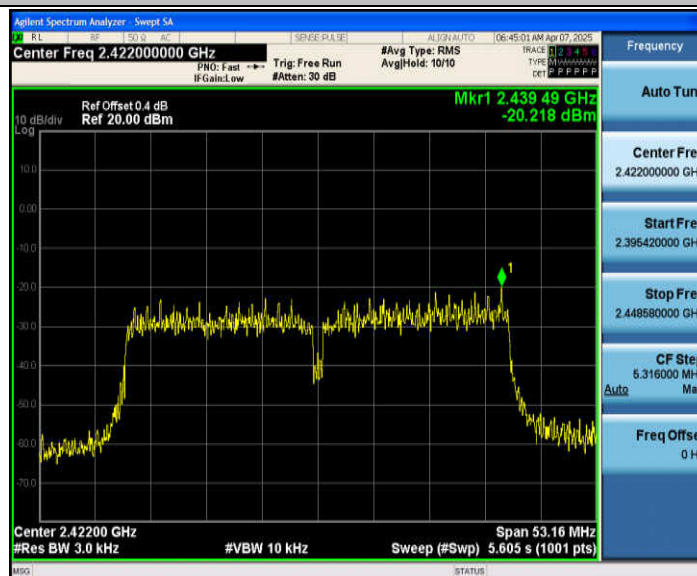
11N20SISO_Ant1_2437



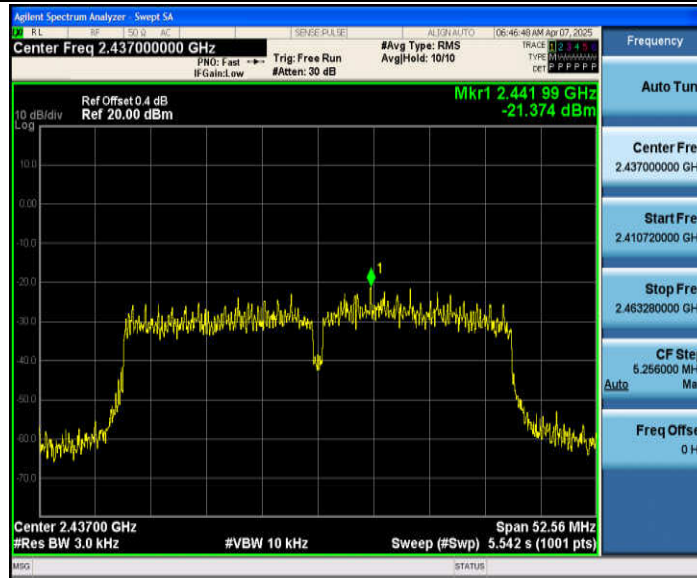
11N20SISO_Ant1_2462



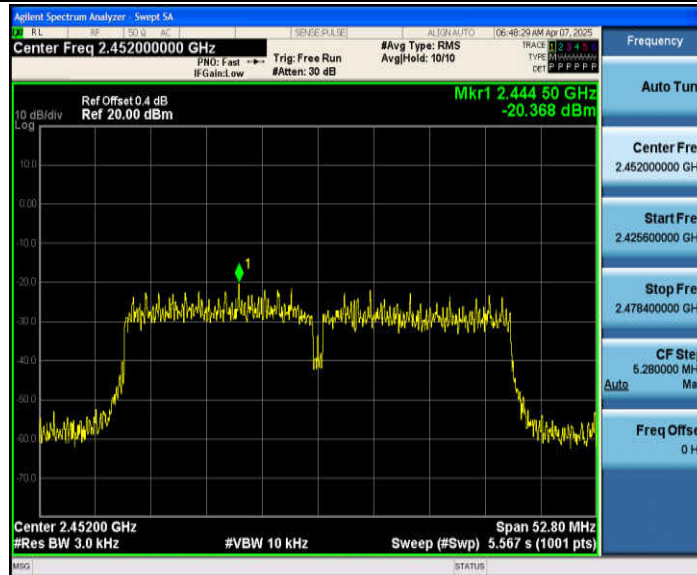
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



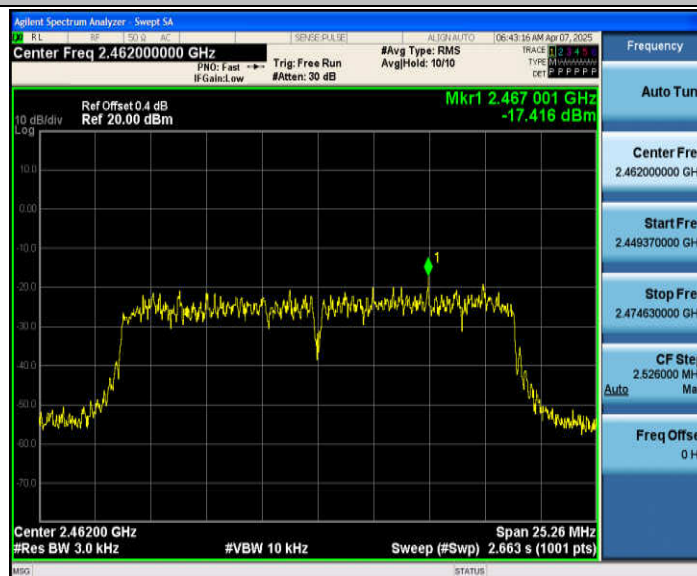
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



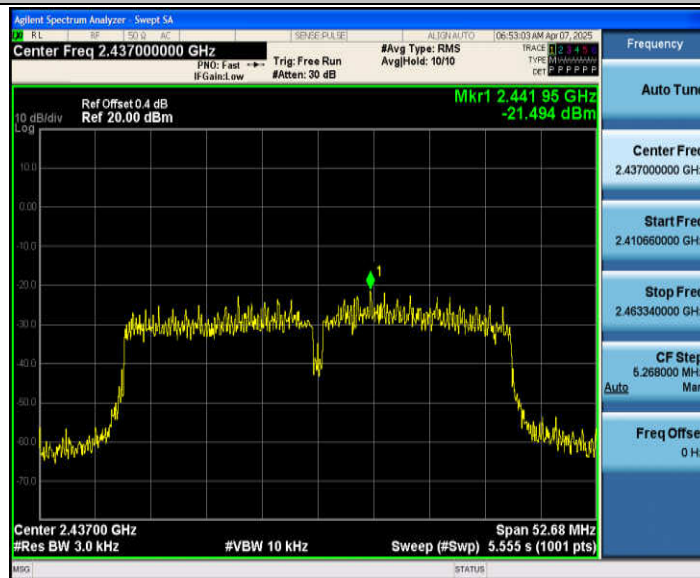
11AX20SISO_Ant1_2462



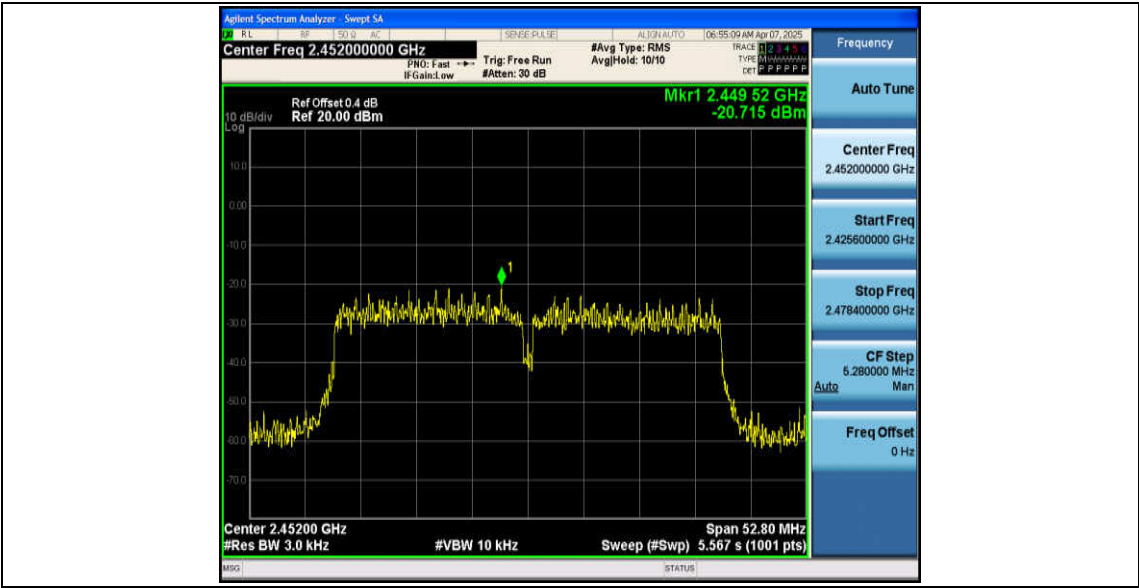
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



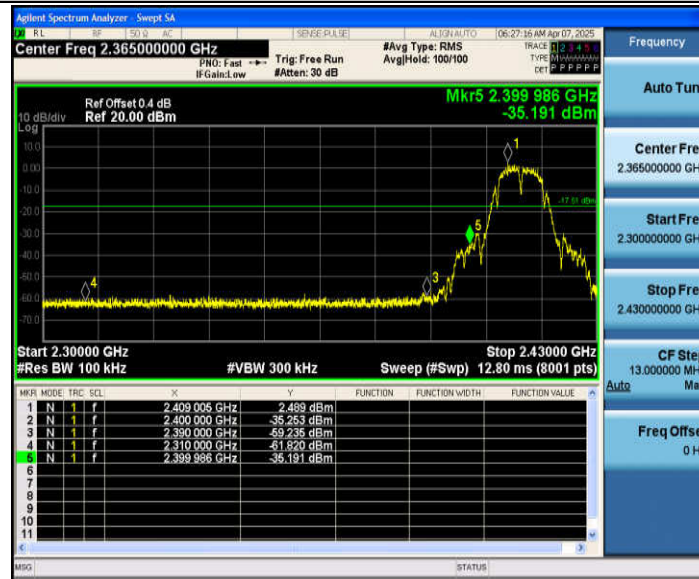
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.49	-35.19	≤-17.51	PASS
		High	2462	1.41	-51.26	≤-18.59	PASS
11G	Ant1	Low	2412	-1.47	-34.43	≤-21.47	PASS
		High	2462	-2.75	-39.16	≤-22.75	PASS
11N20SISO	Ant1	Low	2412	-1.47	-34.14	≤-21.47	PASS
		High	2462	-2.91	-38.6	≤-22.91	PASS
11N40SISO	Ant1	Low	2422	-4.95	-36.55	≤-24.95	PASS
		High	2452	-5.16	-36.14	≤-25.16	PASS
11AX20SISO	Ant1	Low	2412	-1.64	-33.98	≤-21.64	PASS
		High	2462	-2.89	-40.37	≤-22.89	PASS
11AX40SISO	Ant1	Low	2422	-5.07	-36.64	≤-25.07	PASS
		High	2452	-5.04	-36.38	≤-25.04	PASS

Test Graphs

11B_Ant1_Low_2412



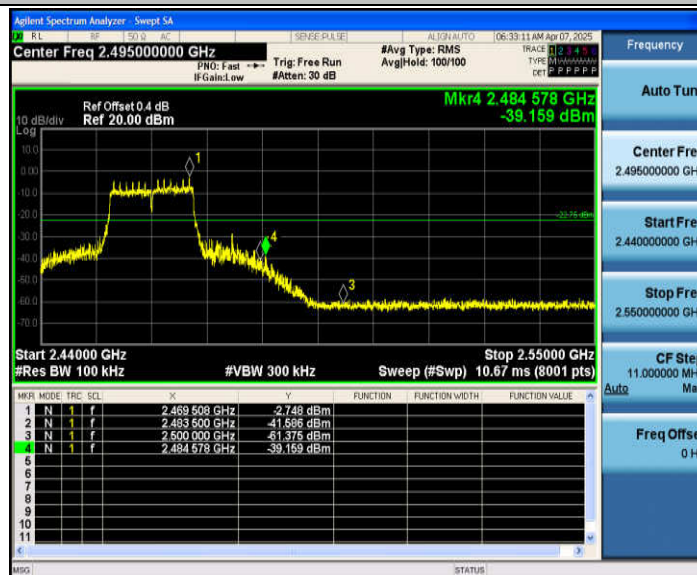
11B_Ant1_High_2462



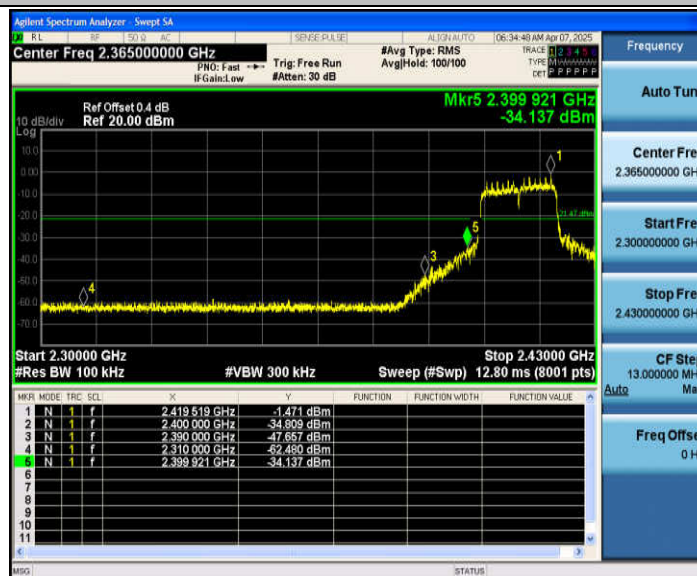
11G_Ant1_Low_2412



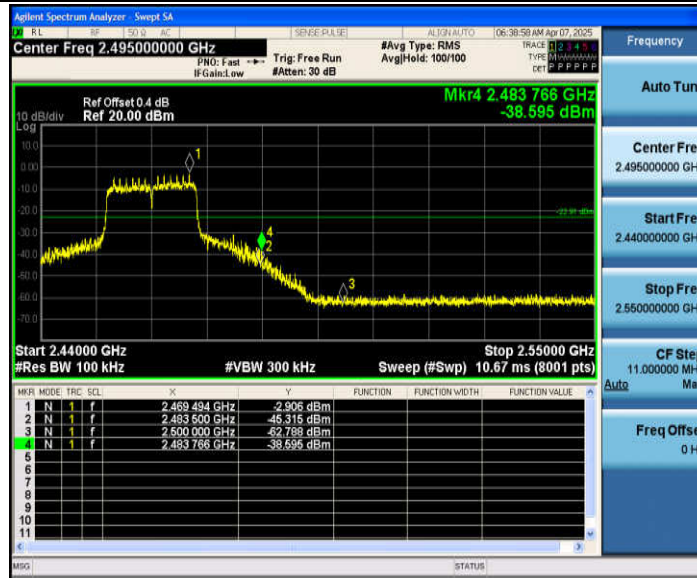
11G_Ant1_High_2462



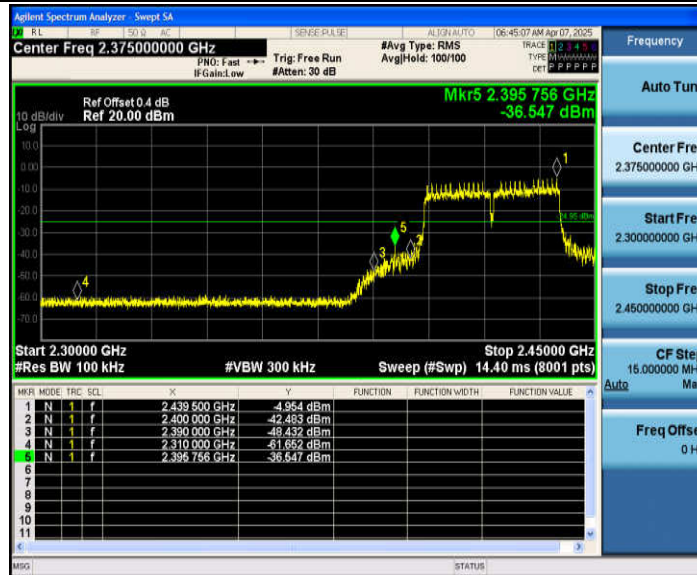
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



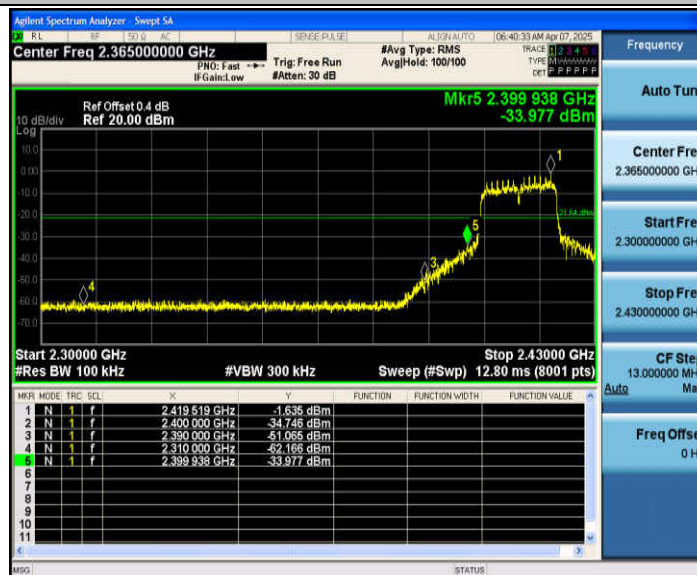
11N40SISO_Ant1_Low_2422



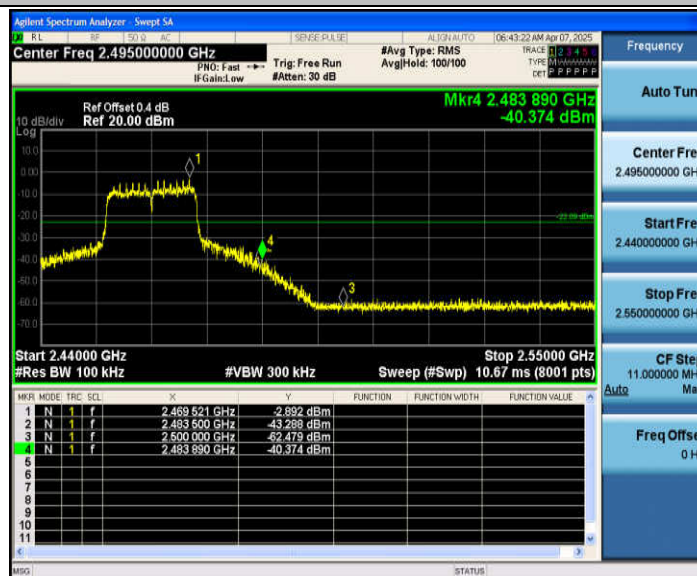
11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412



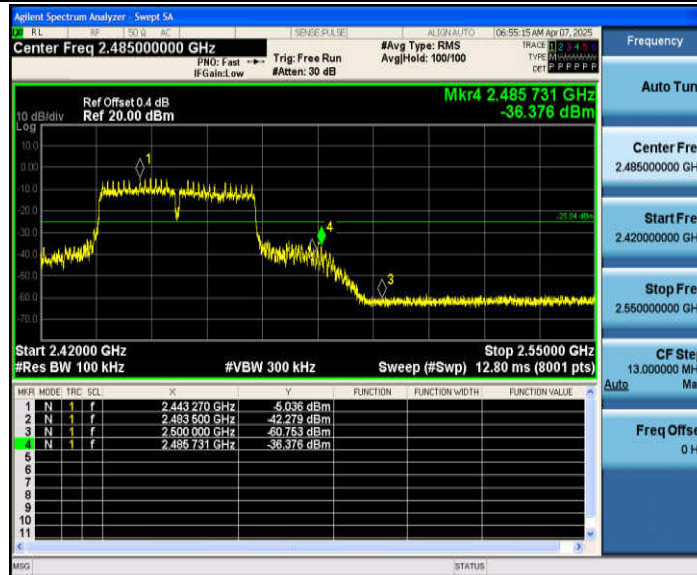
11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452



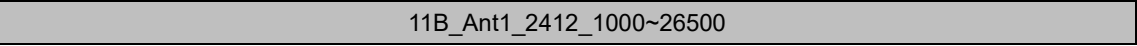
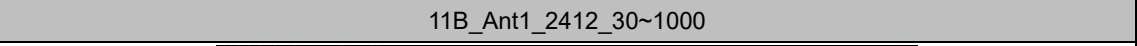
Appendix F: Conducted Spurious Emission

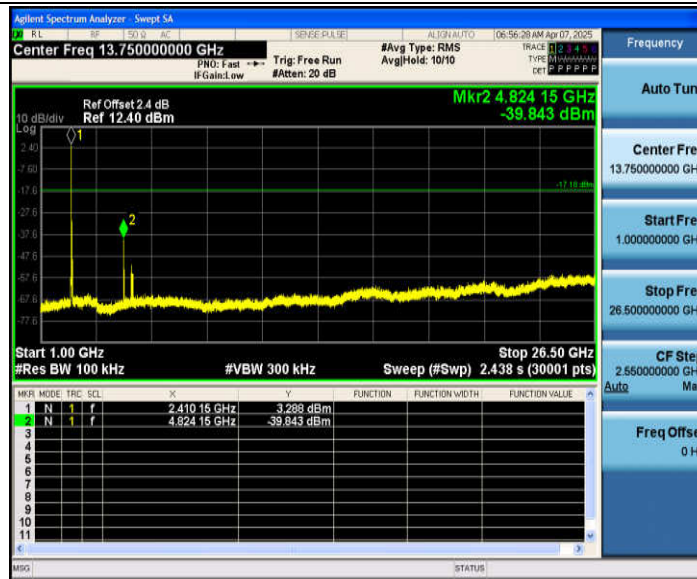
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.82	2.82	---	PASS
			30~1000	2.82	-66.44	≤-17.18	PASS
			1000~26500	2.82	-39.84	≤-17.18	PASS
		2437	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-68.03	≤-16	PASS
			1000~26500	4.00	-37.52	≤-16	PASS
		2462	Reference	3.73	3.73	---	PASS
			30~1000	3.73	-66.26	≤-16.27	PASS
			1000~26500	3.73	-30.87	≤-16.27	PASS
11G	Ant1	2412	Reference	-1.08	-1.08	---	PASS
			30~1000	-1.08	-67.85	≤-21.08	PASS
			1000~26500	-1.08	-52.32	≤-21.08	PASS
		2437	Reference	-0.28	-0.28	---	PASS
			30~1000	-0.28	-67.35	≤-20.28	PASS
			1000~26500	-0.28	-48.6	≤-20.28	PASS
		2462	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-68.32	≤-20.79	PASS
			1000~26500	-0.79	-44.9	≤-20.79	PASS
11N20SISO	Ant1	2412	Reference	-0.62	-0.62	---	PASS
			30~1000	-0.62	-68.05	≤-20.62	PASS
			1000~26500	-0.62	-50.73	≤-20.62	PASS
		2437	Reference	-2.22	-2.22	---	PASS
			30~1000	-2.22	-68.68	≤-22.22	PASS
			1000~26500	-2.22	-50.75	≤-22.22	PASS
		2462	Reference	-2.73	-2.73	---	PASS
			30~1000	-2.73	-68.19	≤-22.73	PASS
			1000~26500	-2.73	-43	≤-22.73	PASS
11N40SISO	Ant1	2422	Reference	-3.47	-3.47	---	PASS
			30~1000	-3.47	-68.21	≤-23.47	PASS
			1000~26500	-3.47	-51.08	≤-23.47	PASS
		2437	Reference	-4.26	-4.26	---	PASS
			30~1000	-4.26	-67.93	≤-24.26	PASS
			1000~26500	-4.26	-50.64	≤-24.26	PASS
		2452	Reference	-3.24	-3.24	---	PASS
			30~1000	-3.24	-67.42	≤-23.24	PASS
			1000~26500	-3.24	-49.1	≤-23.24	PASS
11AX20SISO	Ant1	2412	Reference	-0.25	-0.25	---	PASS

			30~1000	-0.25	-67.15	≤-20.25	PASS
			1000~26500	-0.25	-49.86	≤-20.25	PASS
		2437	Reference	-0.01	-0.01	---	PASS
			30~1000	-0.01	-68.41	≤-20.01	PASS
			1000~26500	-0.01	-49.4	≤-20.01	PASS
		2462	Reference	-1.06	-1.06	---	PASS
			30~1000	-1.06	-67.22	≤-21.06	PASS
			1000~26500	-1.06	-43.55	≤-21.06	PASS
11AX40SISO	Ant1	2422	Reference	-3.24	-3.24	---	PASS
			30~1000	-3.24	-67.78	≤-23.24	PASS
			1000~26500	-3.24	-48.64	≤-23.24	PASS
		2437	Reference	-3.82	-3.82	---	PASS
			30~1000	-3.82	-67.91	≤-23.82	PASS
			1000~26500	-3.82	-51.43	≤-23.82	PASS
		2452	Reference	-2.99	-2.99	---	PASS
			30~1000	-2.99	-68.39	≤-22.99	PASS
			1000~26500	-2.99	-48.74	≤-22.99	PASS

11B_Ant1_2412_0~Reference

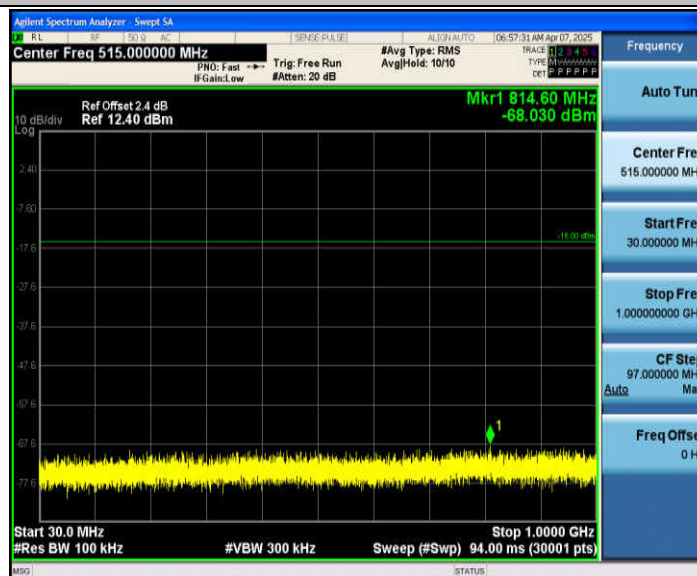




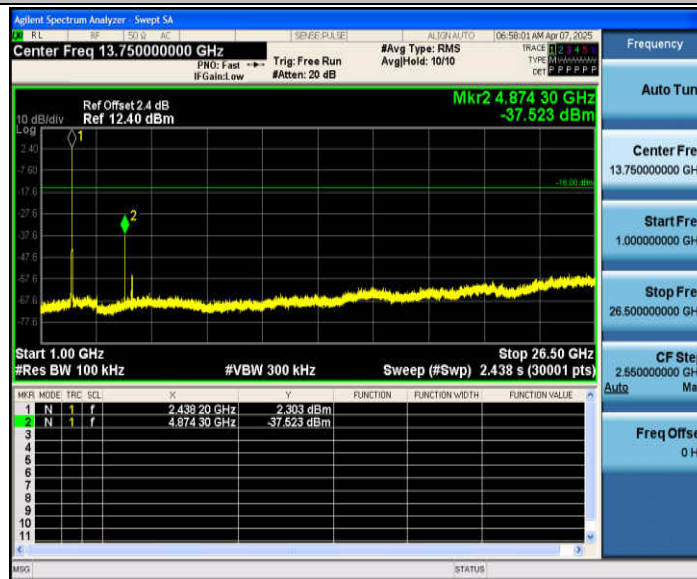
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



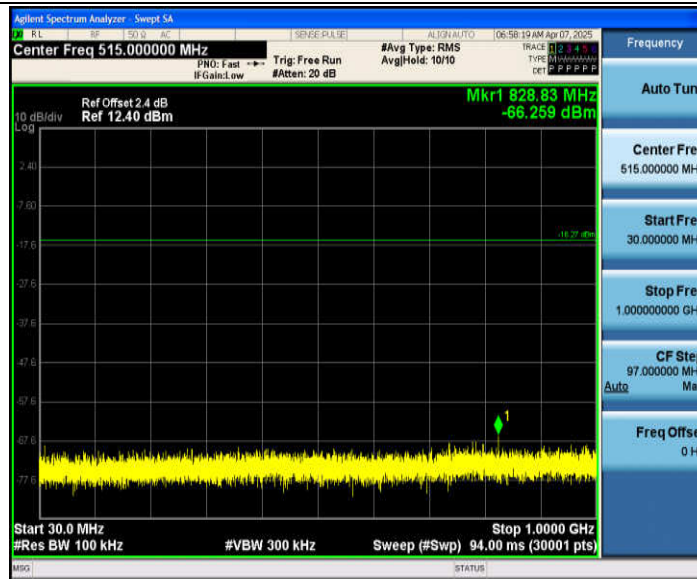
11B_Ant1_2437_1000~26500



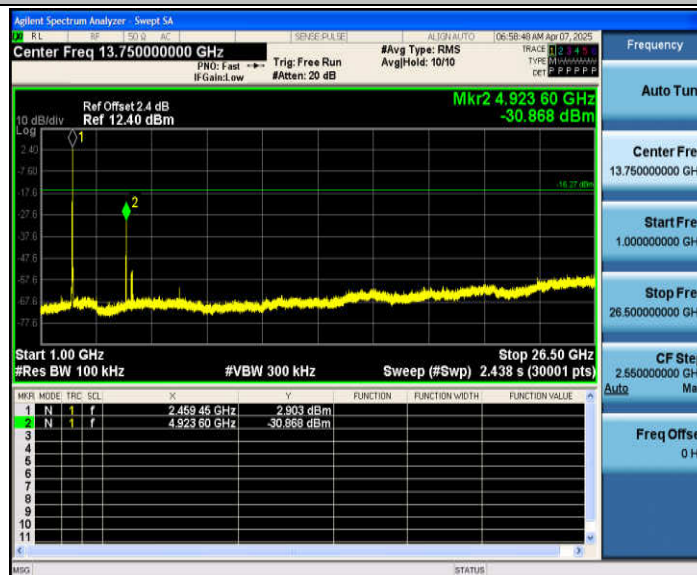
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



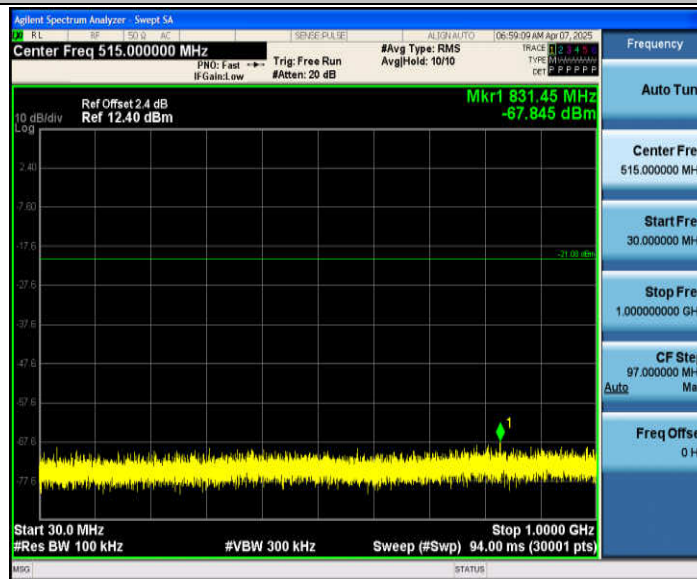
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



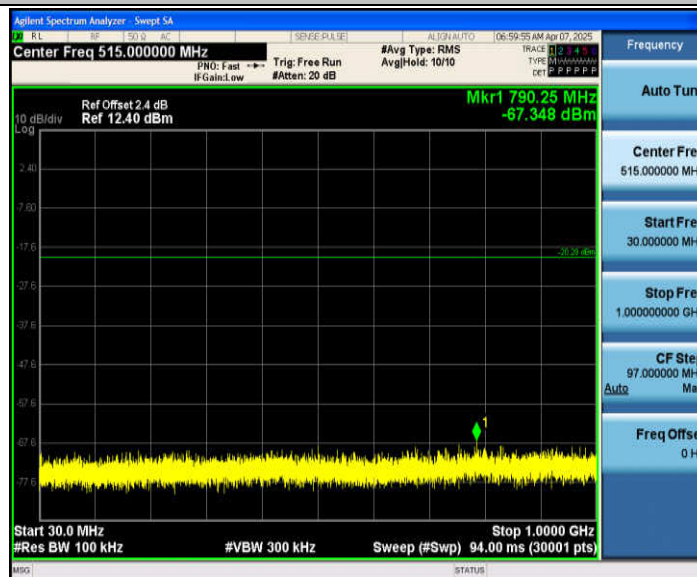
11G_Ant1_2412_1000~26500



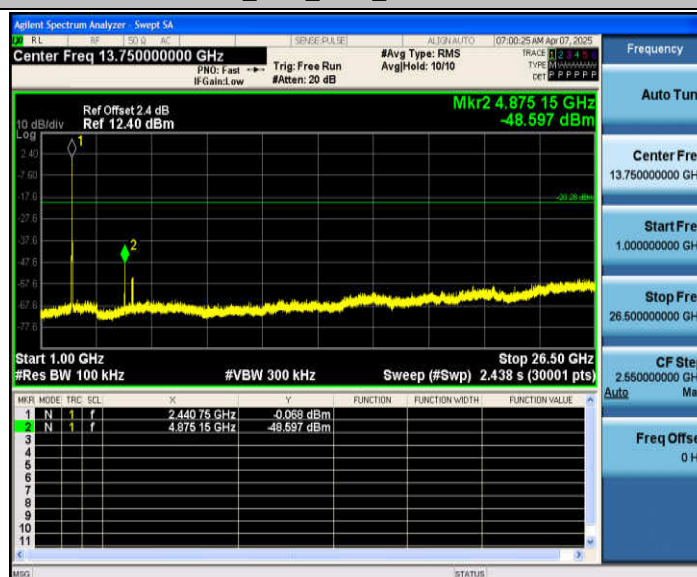
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



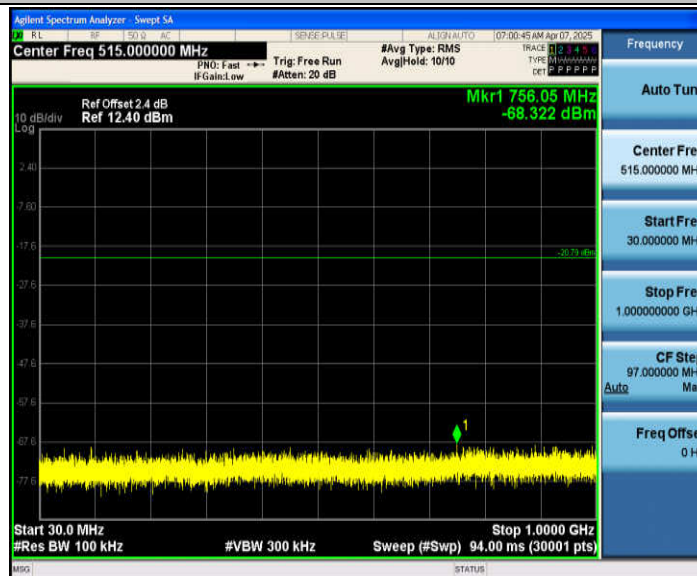
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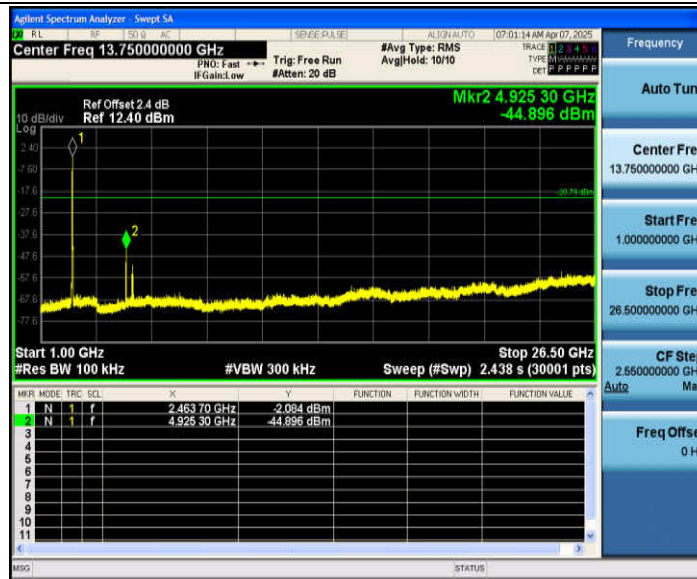
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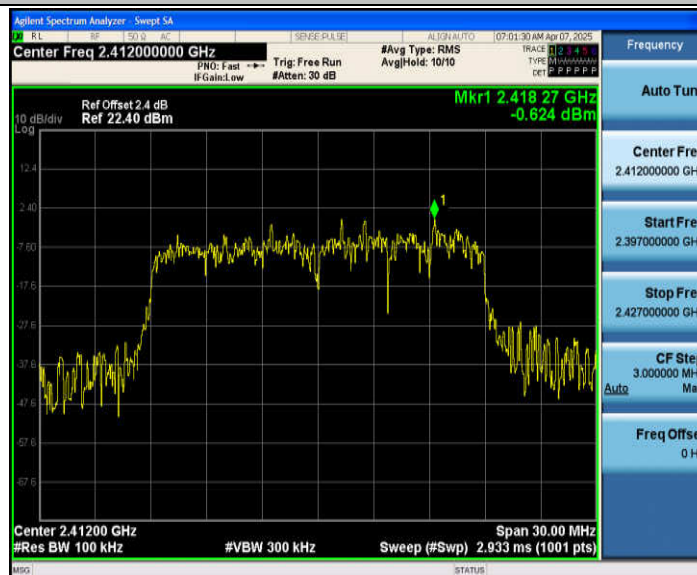
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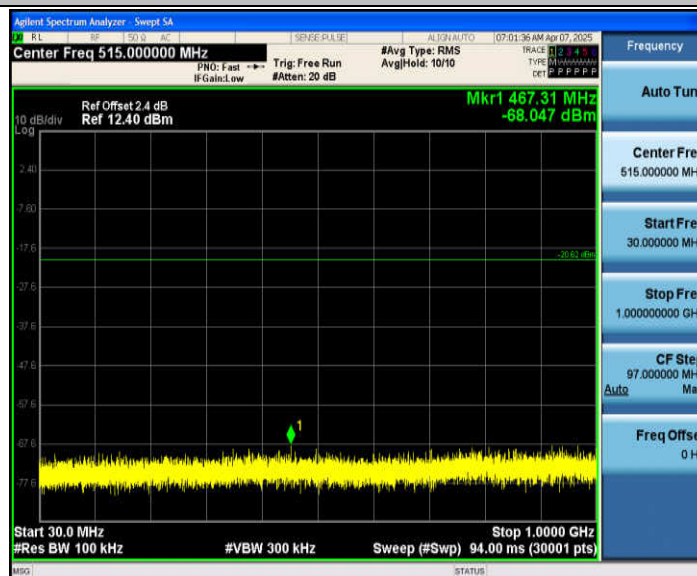
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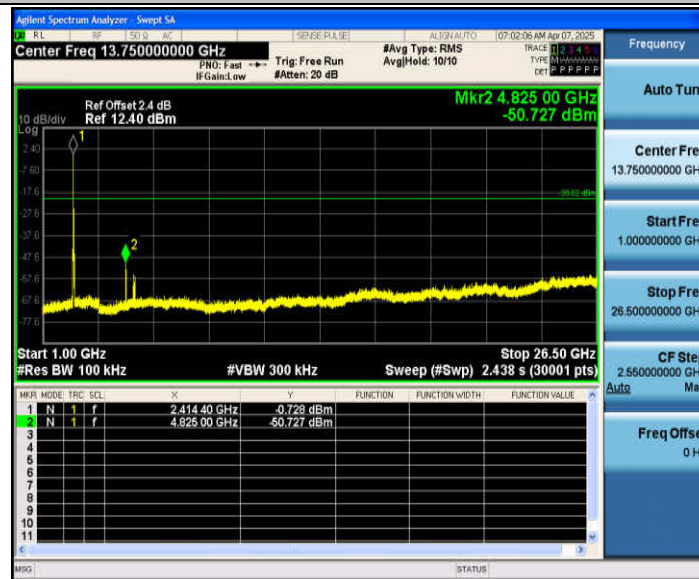
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11N20SISO_Ant1_2412_30~1000



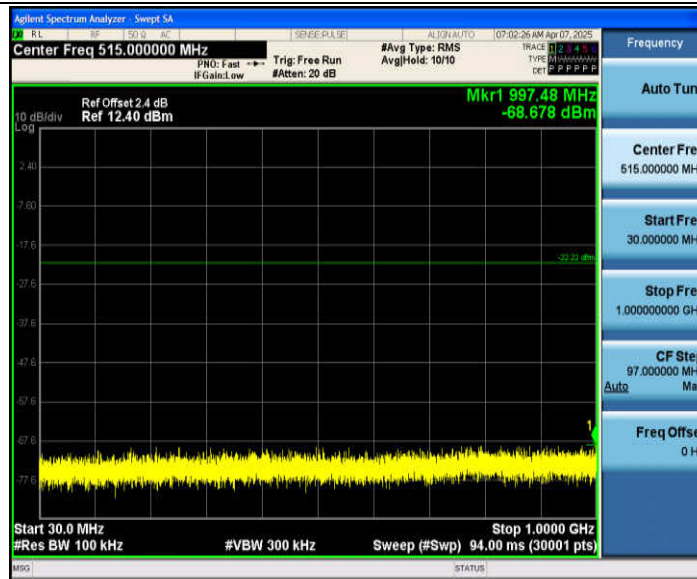
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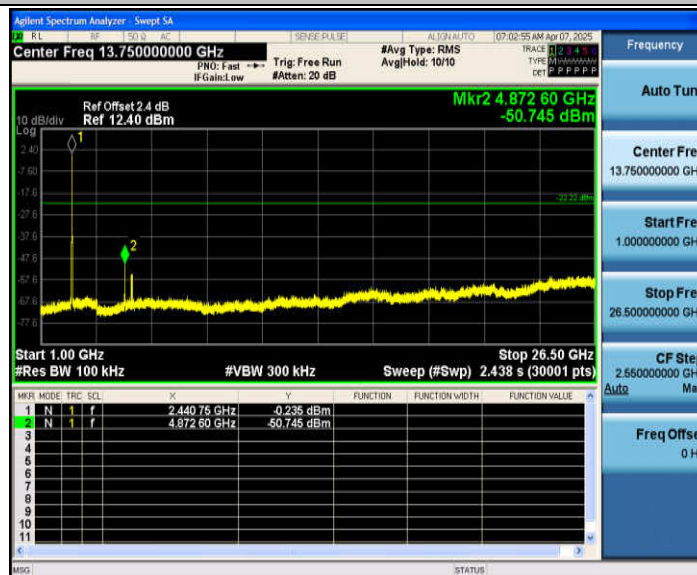
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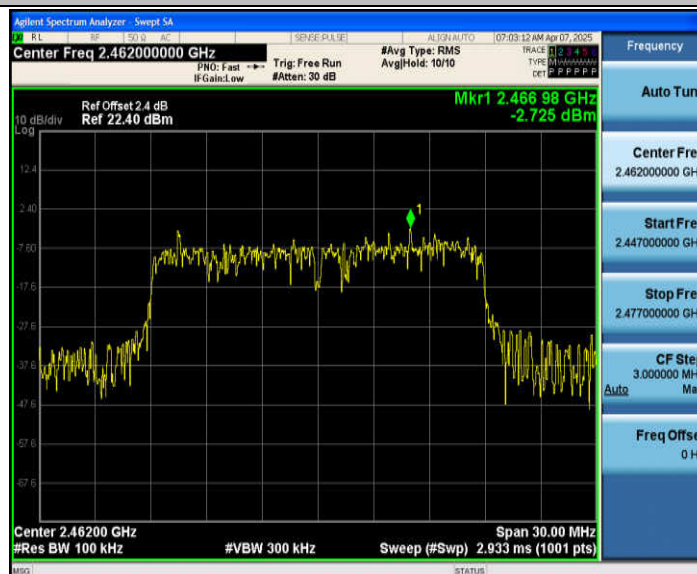
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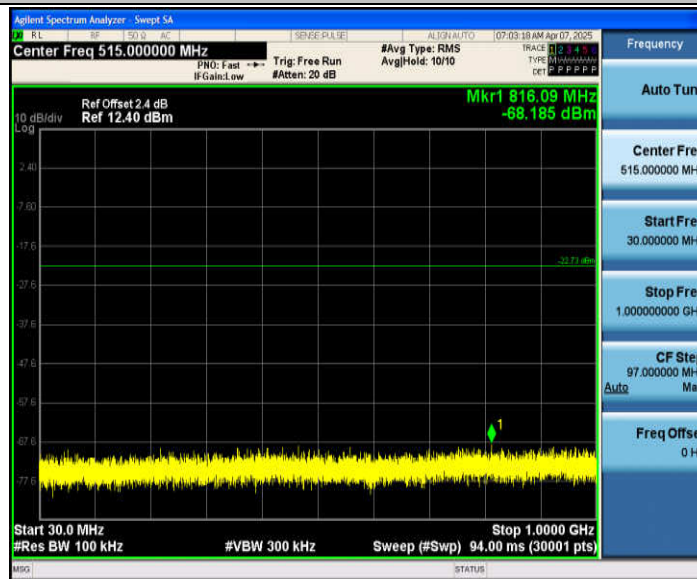
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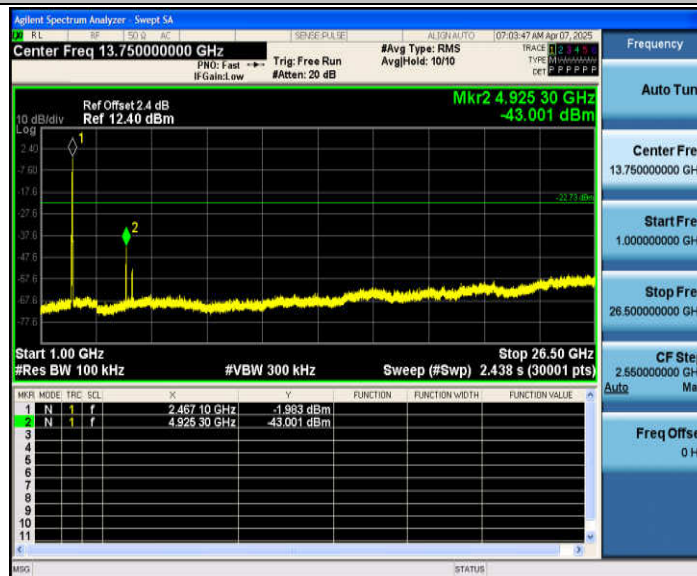
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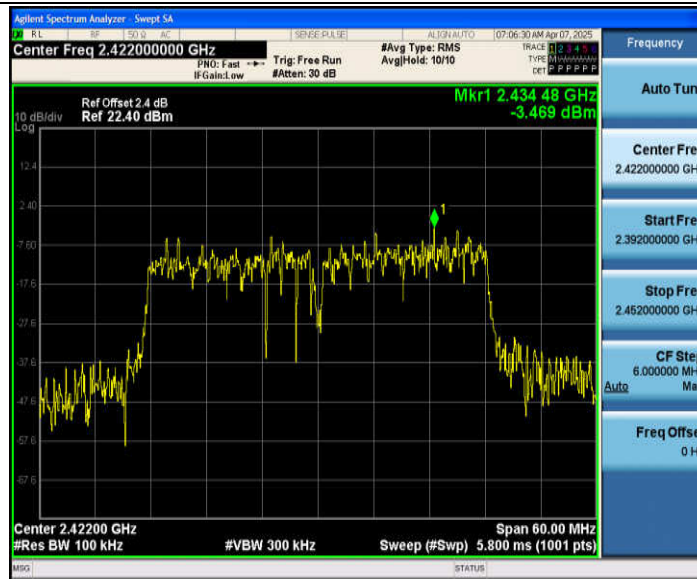
11N20SISO_Ant1_2462_30~1000



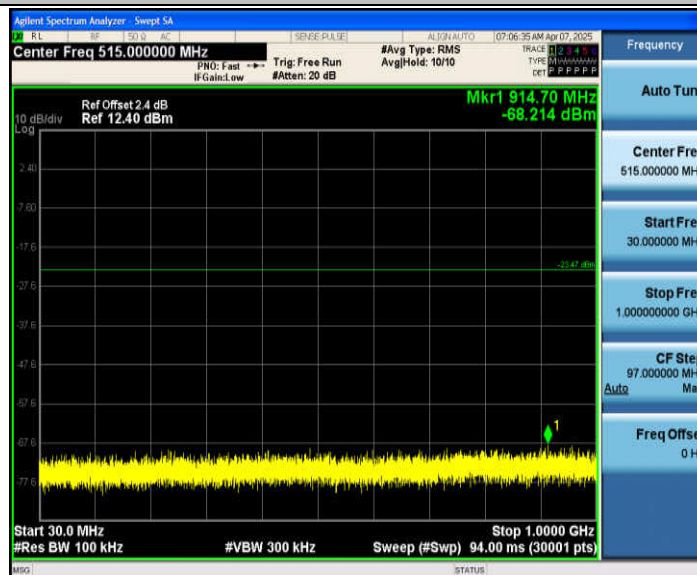
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500

