

Appendix RF Test Data

FCC ID : 2BR3A-SN5

Company : Shenzhen city Hechuanghui Technology Co., Ltd

EUT : Magnetic selfie screen

Model Number : SN5

Report No. : CTA25082600402

Reviewed By : Eric Wang

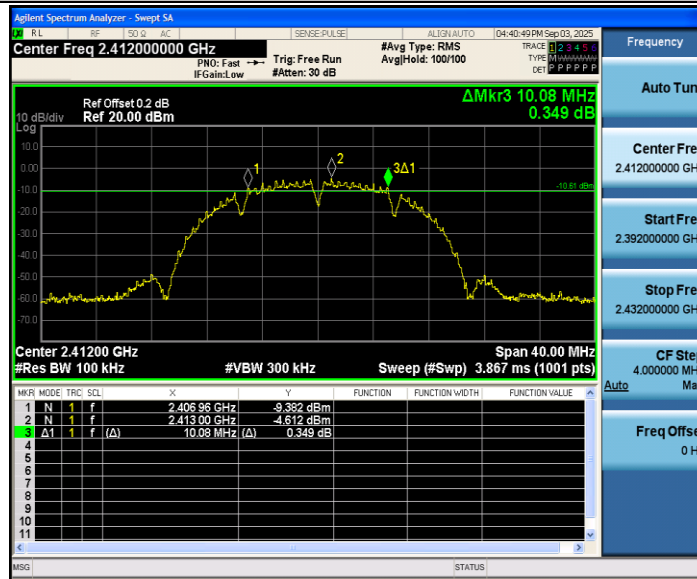
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.800	2403.600	2420.400	0.5	PASS
		2437	17.160	2428.400	2445.560	0.5	PASS
		2462	16.720	2453.600	2470.320	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.240	2439.920	0.5	PASS
		2437	35.440	2419.400	2454.840	0.5	PASS
		2452	35.440	2434.080	2469.520	0.5	PASS

Test Graphs

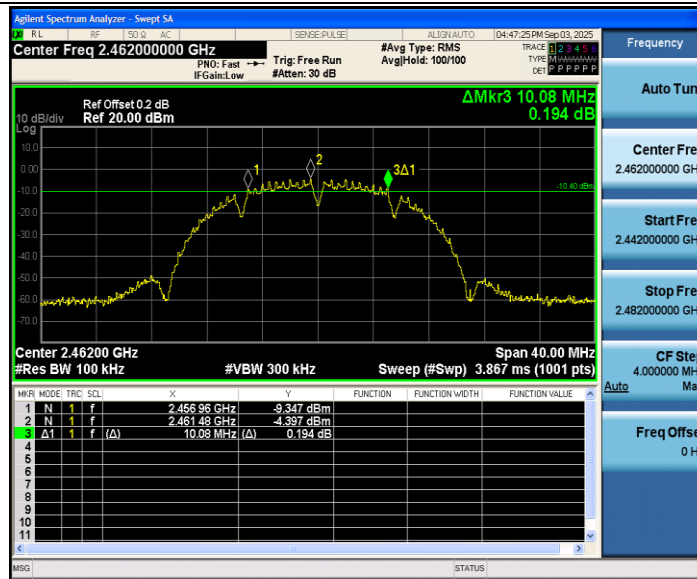
11B_Ant1_2412



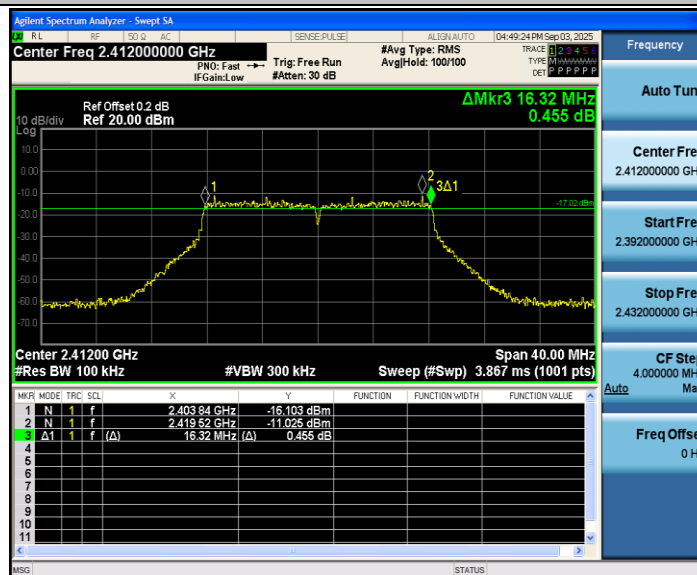
11B_Ant1_2437



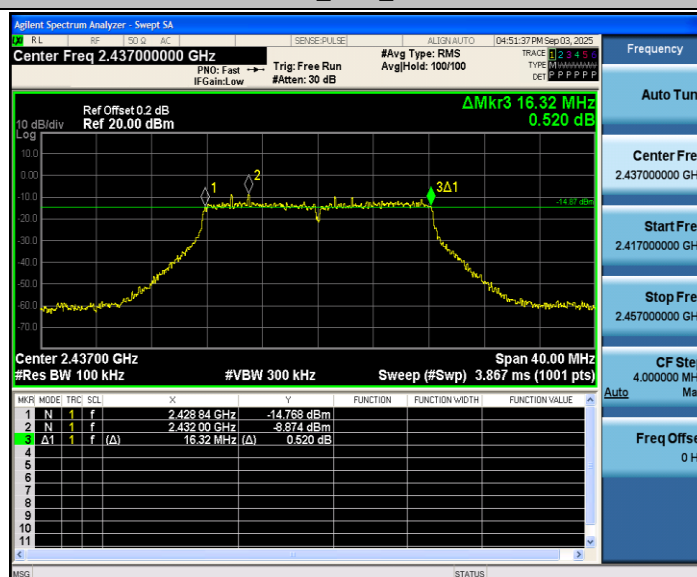
11B_Ant1_2462



11G_Ant1_2412



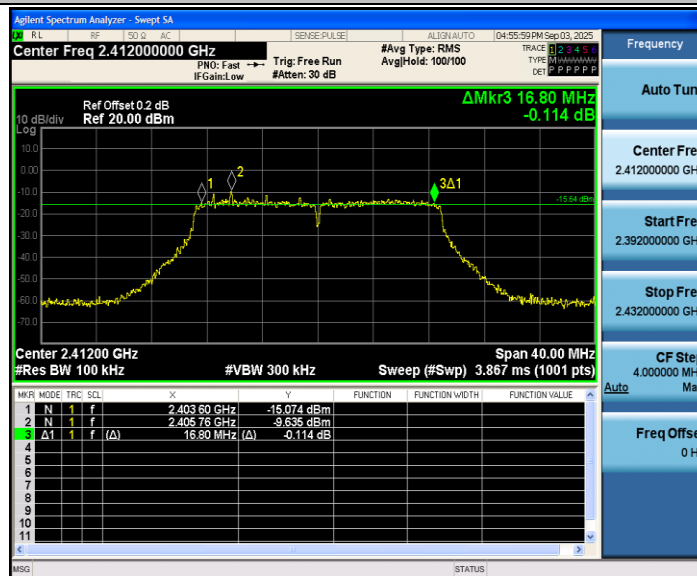
11G_Ant1_2437



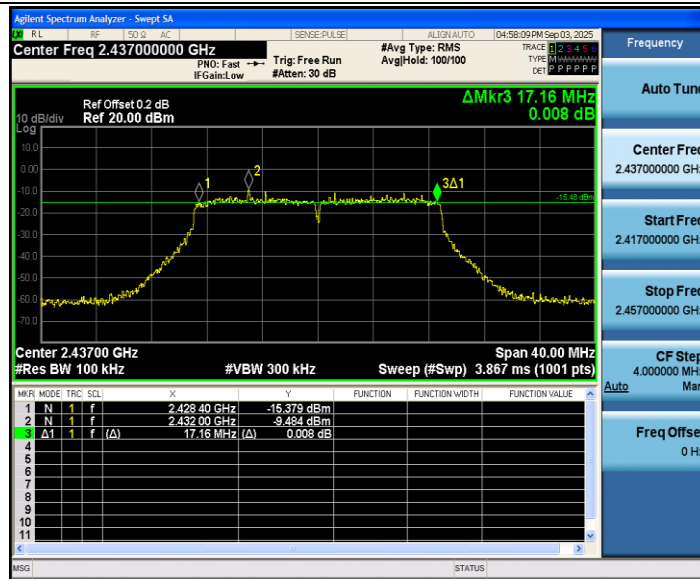
11G_Ant1_2462



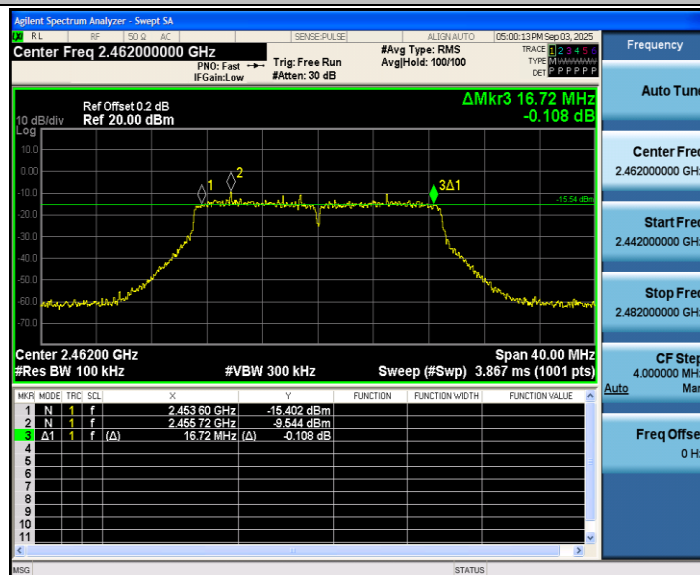
11N20SISO_Ant1_2412



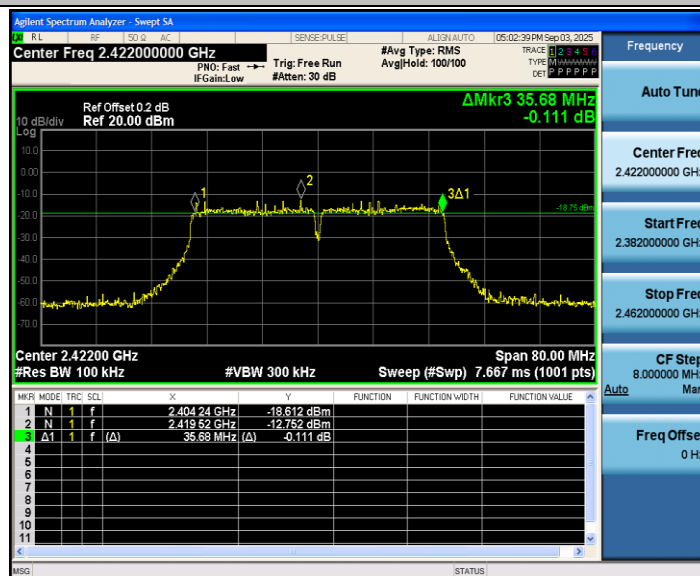
11N20SISO_Ant1_2437



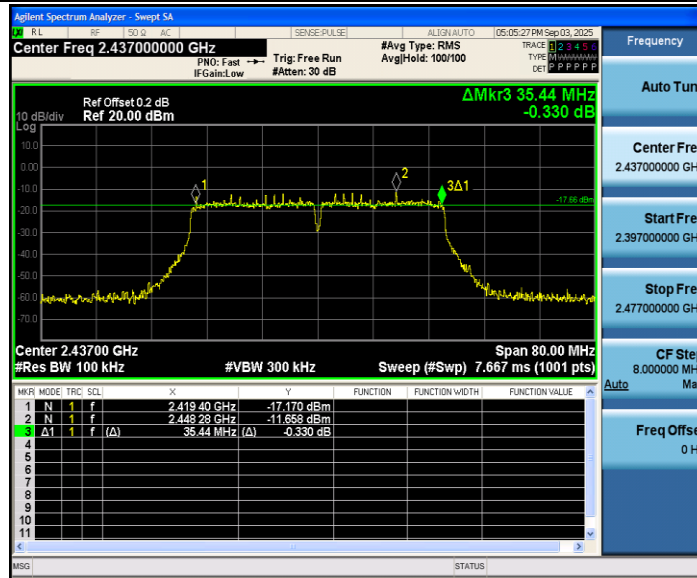
11N20SISO_Ant1_2462



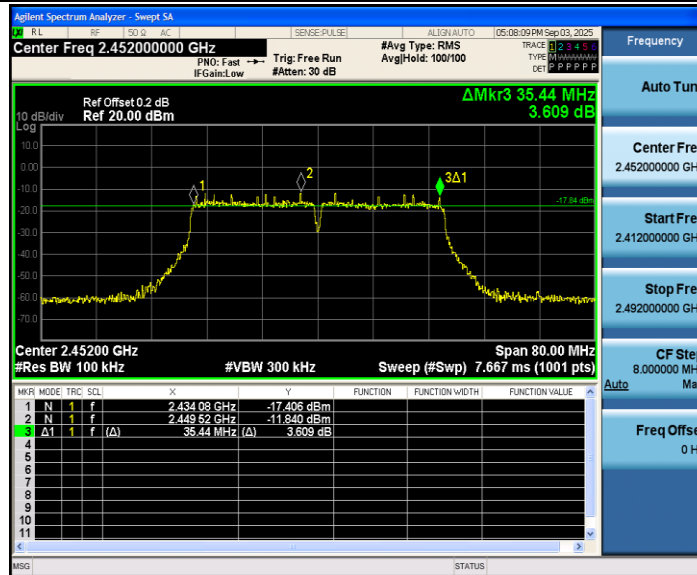
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



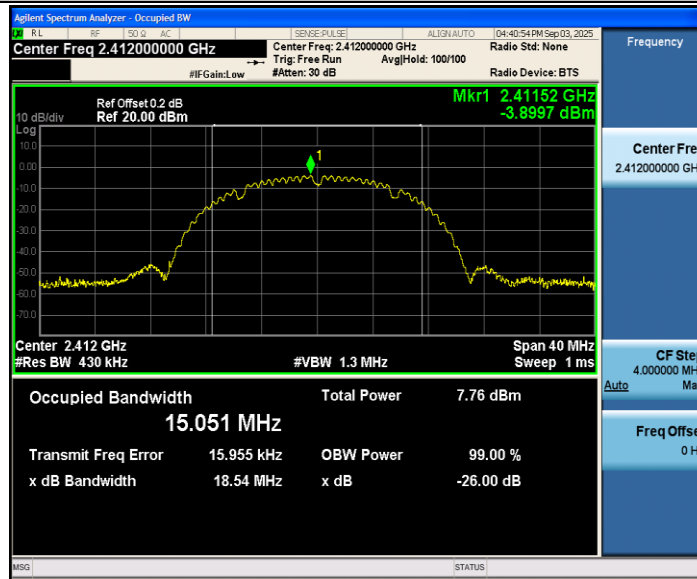
Appendix B: Occupied Channel Bandwidth

Test Result

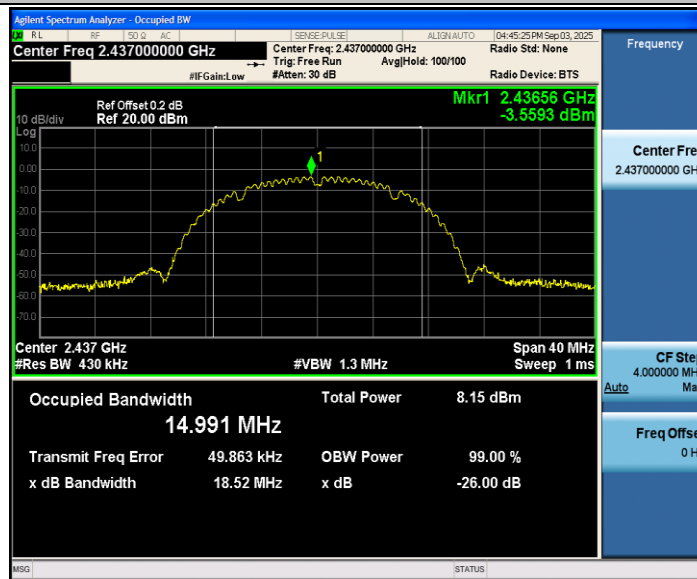
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.051	2404.4905	2419.5415	---	---
		2437	14.991	2429.5544	2444.5454	---	---
		2462	15.033	2454.4707	2469.5037	---	---
11G	Ant1	2412	16.921	2403.5886	2420.5096	---	---
		2437	16.866	2428.6435	2445.5095	---	---
		2462	16.970	2453.5290	2470.4990	---	---
11N20SISO	Ant1	2412	17.918	2403.0642	2420.9822	---	---
		2437	17.884	2428.1130	2445.9970	---	---
		2462	17.931	2453.0136	2470.9446	---	---
11N40SISO	Ant1	2422	36.463	2403.9354	2440.3984	---	---
		2437	36.280	2418.9333	2455.2133	---	---
		2452	36.400	2433.8716	2470.2716	---	---

Test Graphs

11B_Ant1_2412



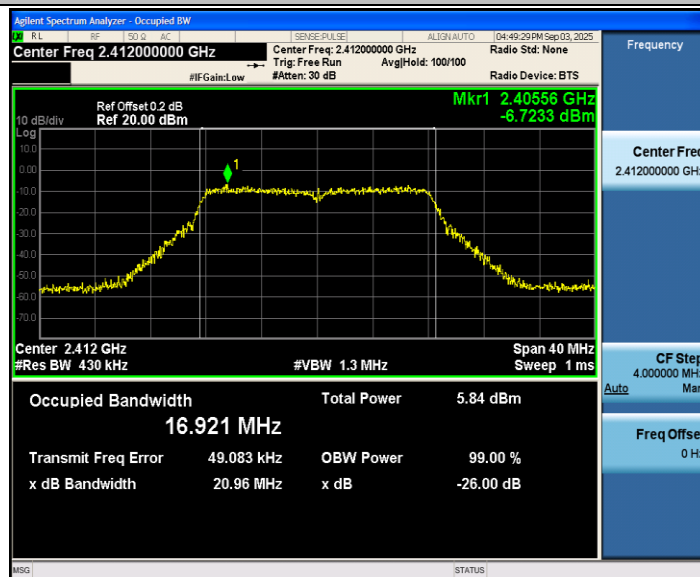
11B_Ant1_2437



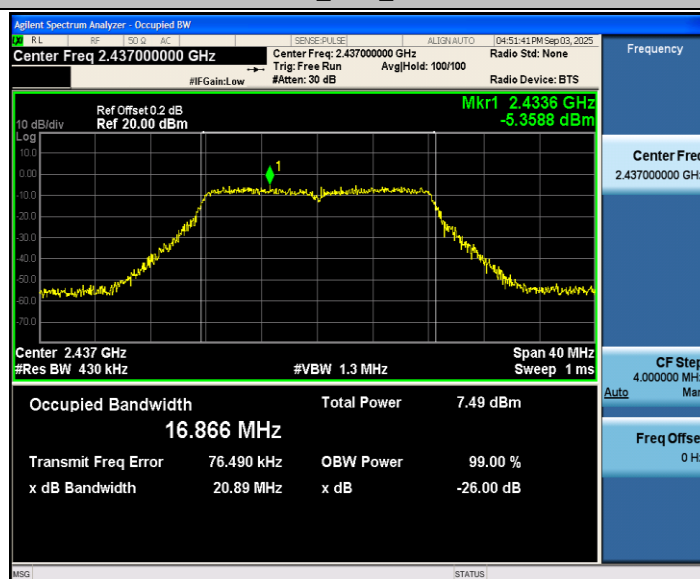
11B_Ant1_2462



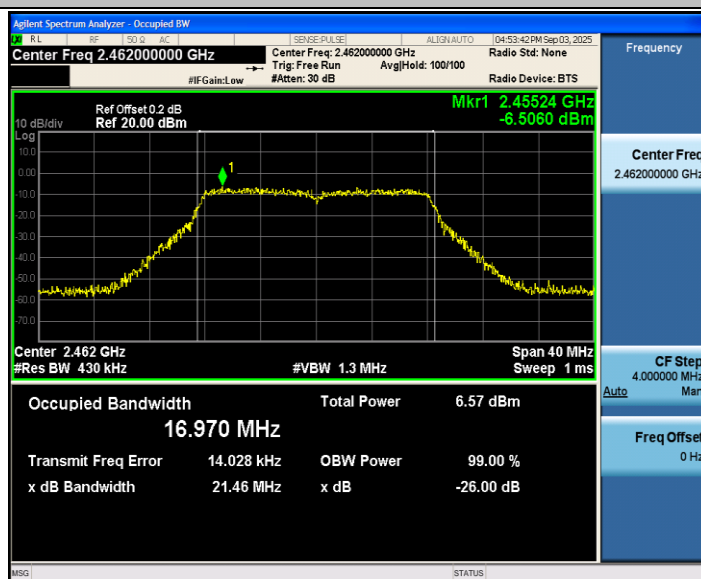
11G_Ant1_2412



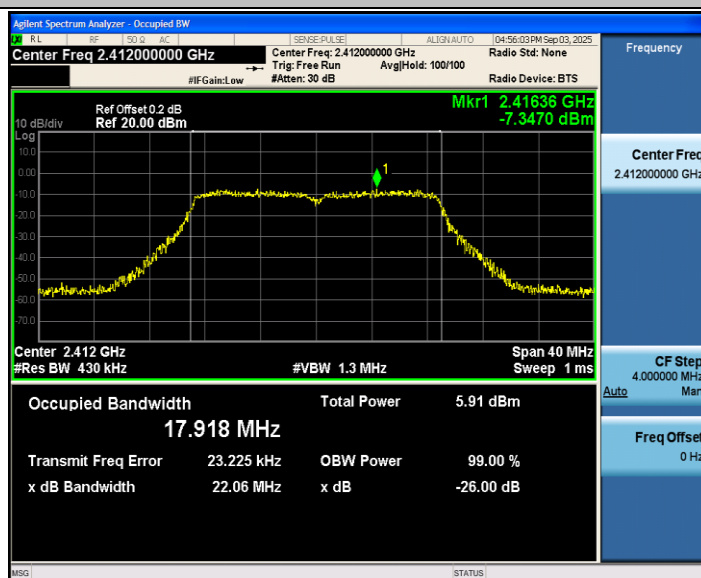
11G_Ant1_2437



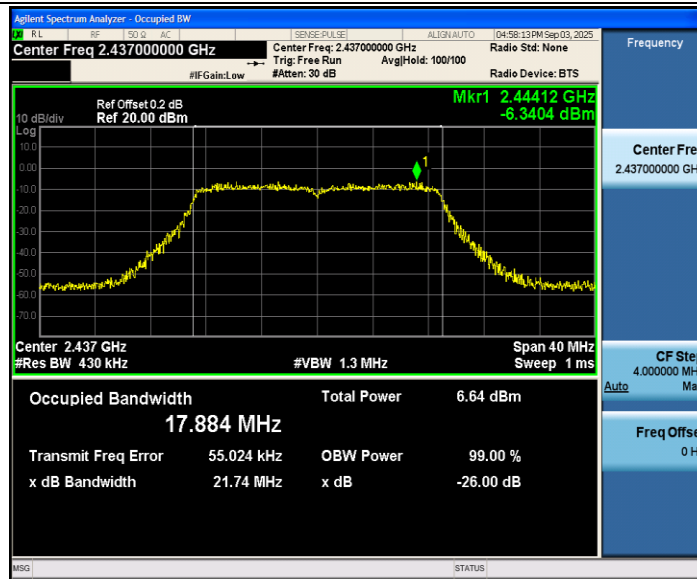
11G_Ant1_2462



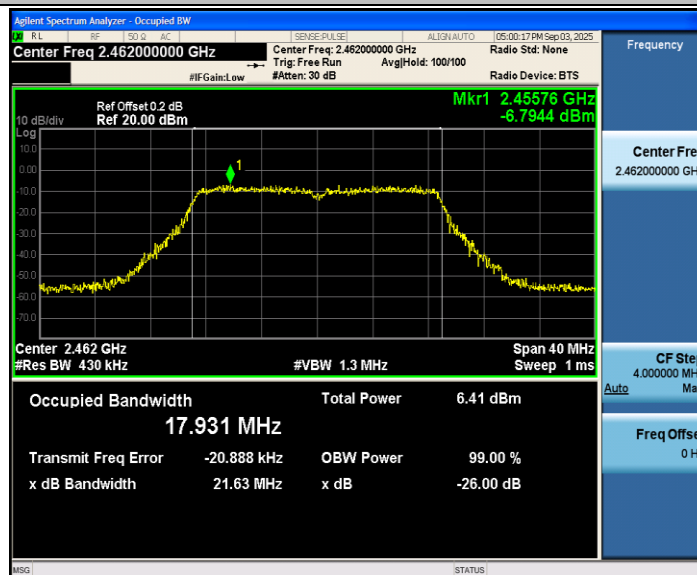
11N20SISO_Ant1_2412



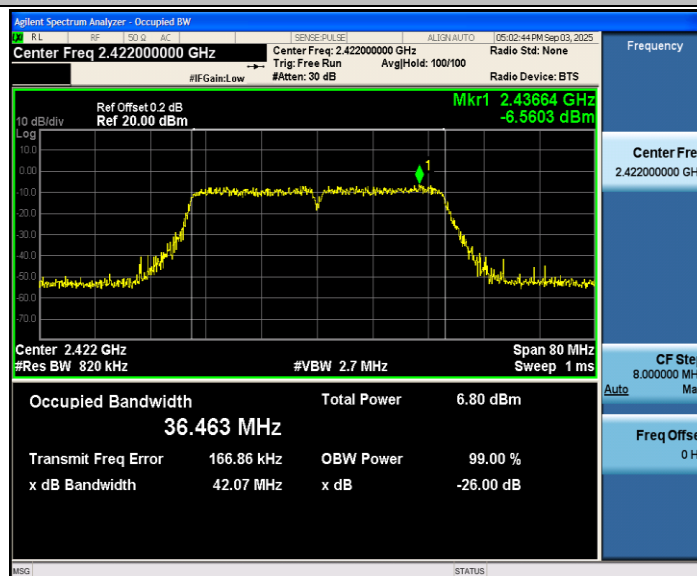
11N20SISO_Ant1_2437



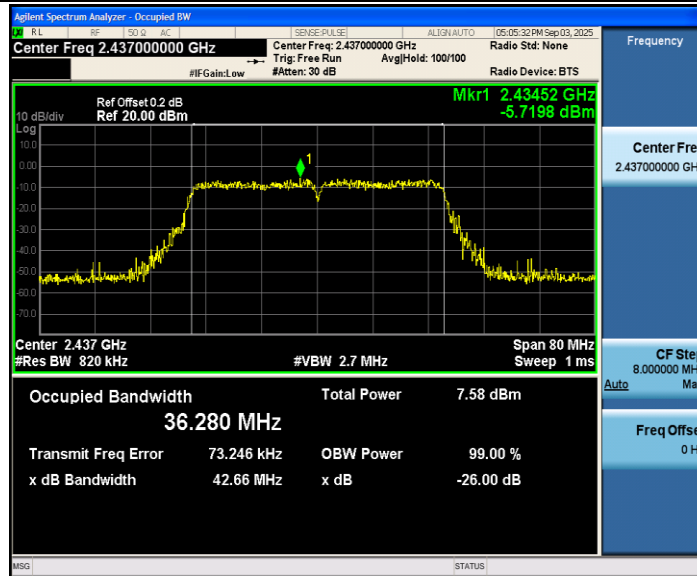
11N20SISO_Ant1_2462



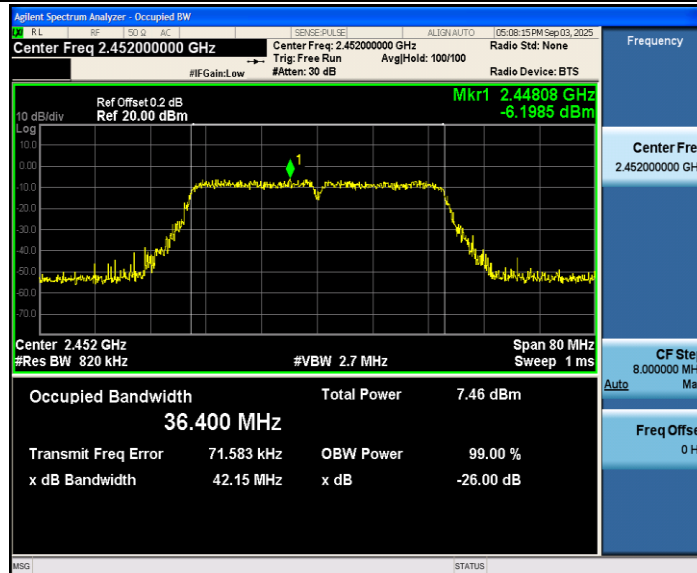
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	7.60	≤30.00	PASS
		2437	8.02	≤30.00	PASS
		2462	7.50	≤30.00	PASS
11G	Ant1	2412	6.38	≤30.00	PASS
		2437	8.15	≤30.00	PASS
		2462	7.25	≤30.00	PASS
11N20SISO	Ant1	2412	6.68	≤30.00	PASS
		2437	7.43	≤30.00	PASS
		2462	7.24	≤30.00	PASS
11N40SISO	Ant1	2422	7.21	≤30.00	PASS
		2437	7.80	≤30.00	PASS
		2452	7.99	≤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	-18.56	≤8.00	PASS
		2437	-17.61	≤8.00	PASS
		2462	-17.99	≤8.00	PASS
11G	Ant1	2412	-24.80	≤8.00	PASS
		2437	-23.27	≤8.00	PASS
		2462	-23.76	≤8.00	PASS
11N20SISO	Ant1	2412	-24.85	≤8.00	PASS
		2437	-24.07	≤8.00	PASS
		2462	-23.98	≤8.00	PASS
11N40SISO	Ant1	2422	-25.72	≤8.00	PASS
		2437	-26.20	≤8.00	PASS
		2452	-26.65	≤8.00	PASS

Test Graphs

11B_Ant1_2412



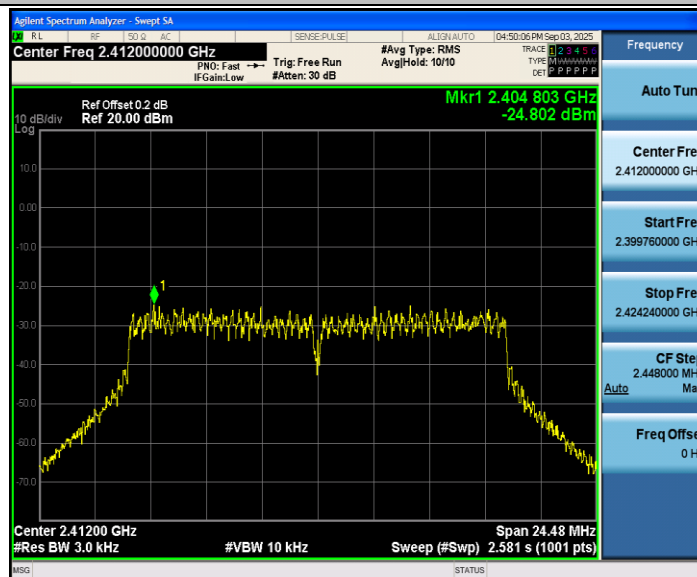
11B_Ant1_2437



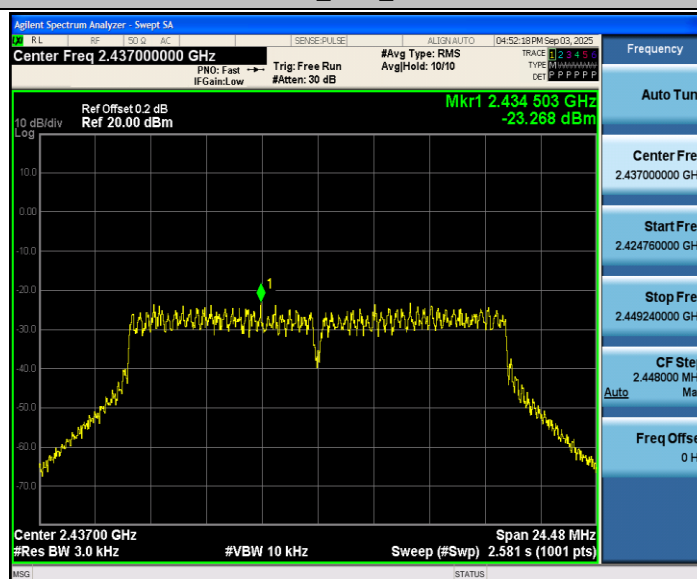
11B_Ant1_2462



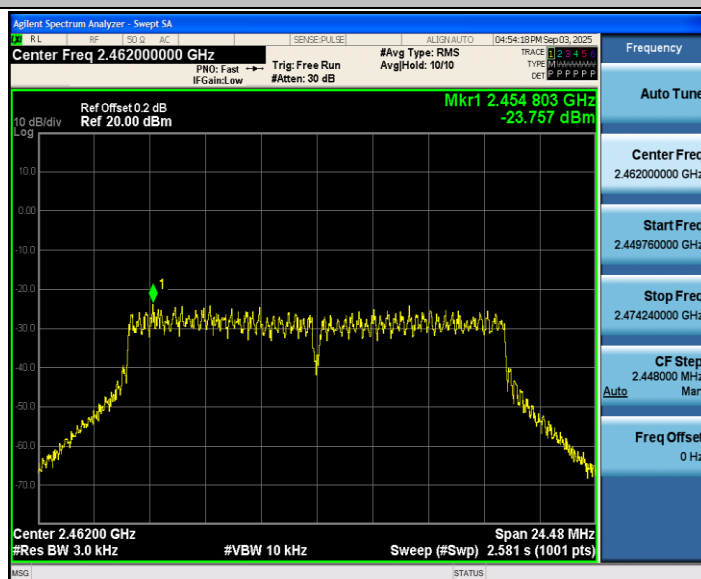
11G_Ant1_2412



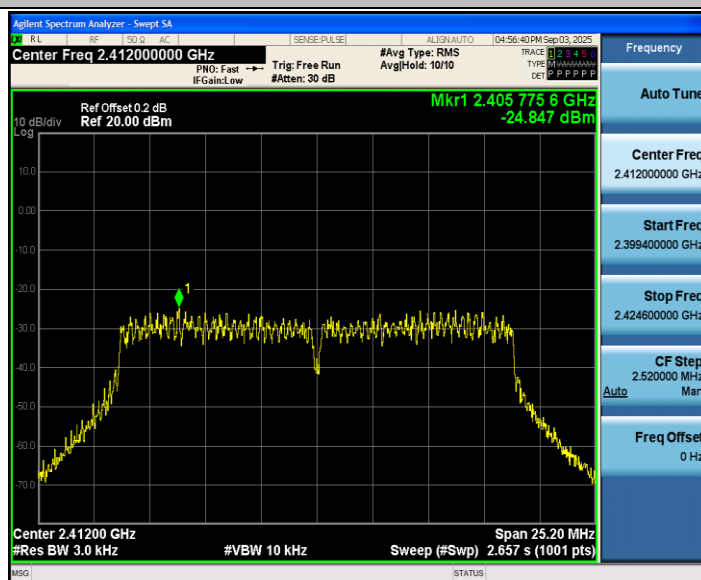
11G_Ant1_2437



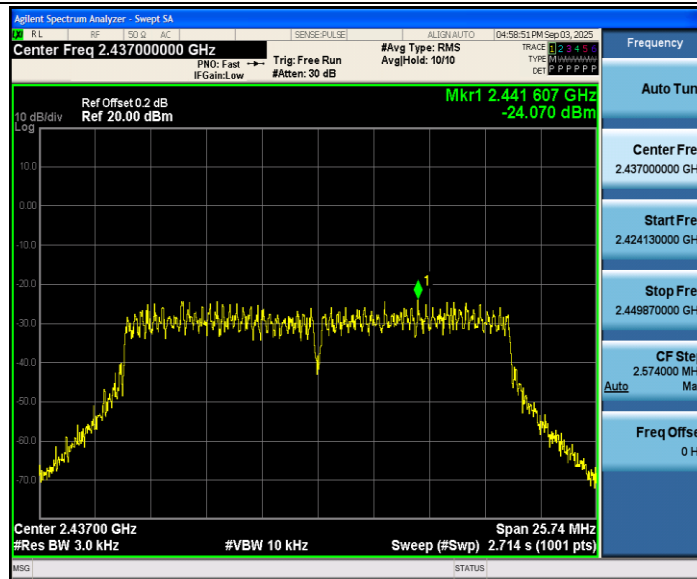
11G_Ant1_2462



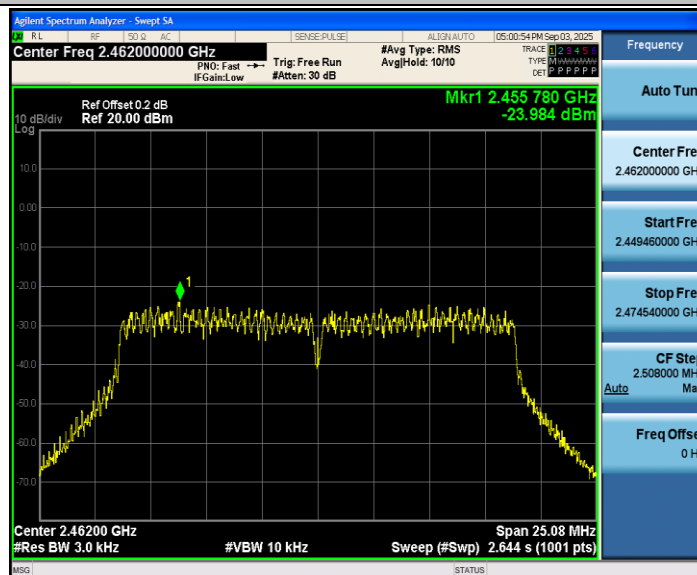
11N20SISO_Ant1_2412



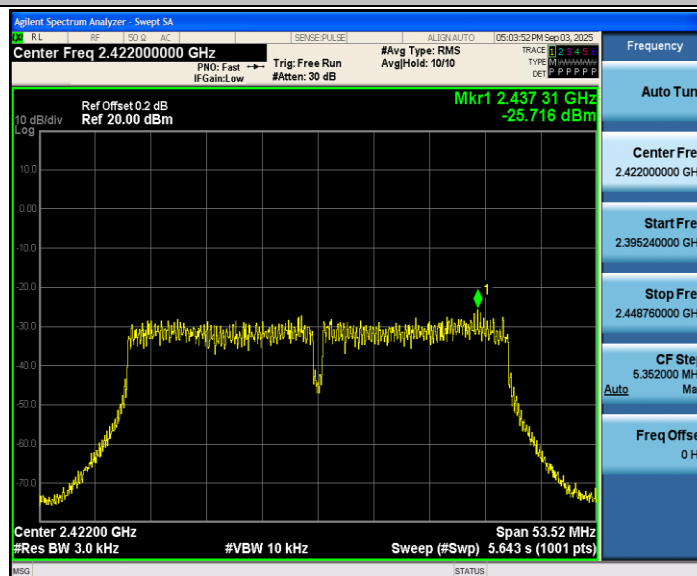
11N20SISO_Ant1_2437



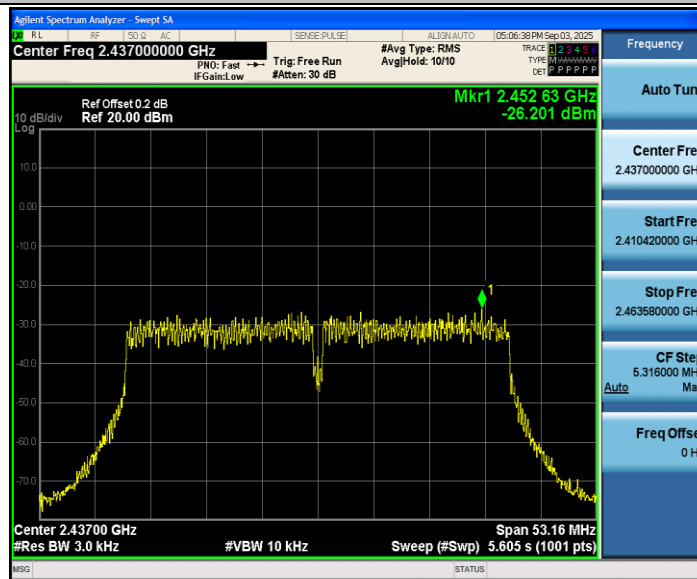
11N20SISO_Ant1_2462



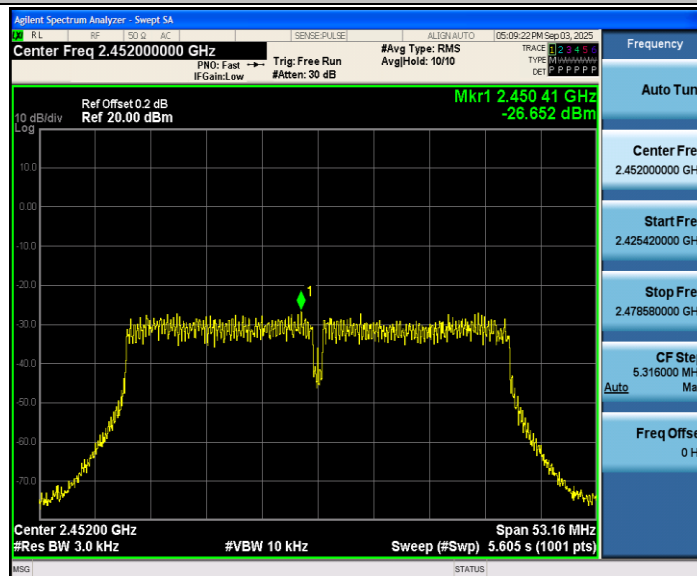
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



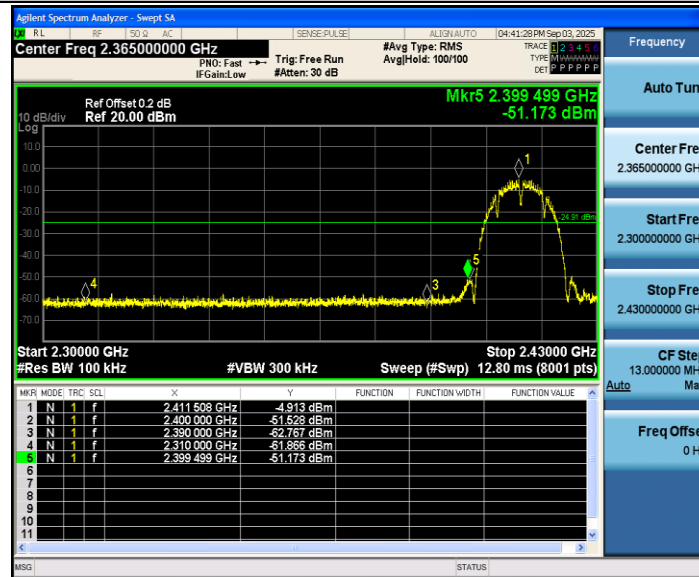
Appendix E: Band edge measurements

Test Result

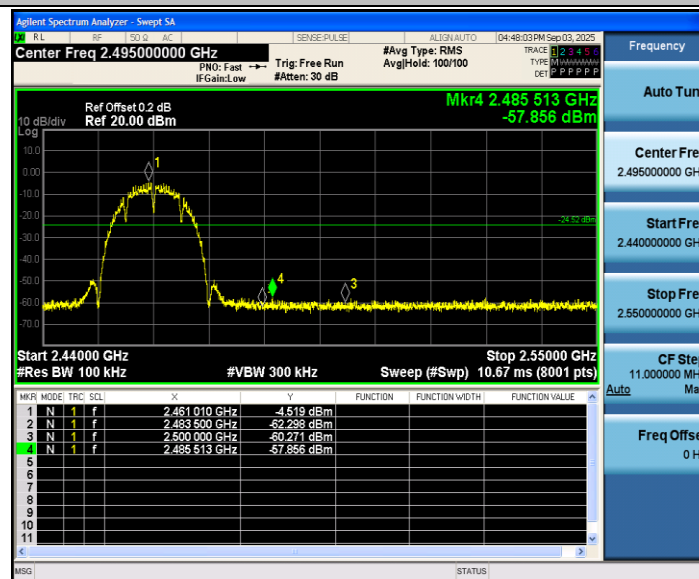
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-4.91	-51.17	≤-24.91	PASS
		High	2462	-4.52	-57.86	≤-24.52	PASS
11G	Ant1	Low	2412	-10.05	-49.89	≤-30.05	PASS
		High	2462	-10.08	-57.55	≤-30.08	PASS
11N20SISO	Ant1	Low	2412	-10.36	-49.67	≤-30.36	PASS
		High	2462	-10.42	-57.02	≤-30.42	PASS
11N40SISO	Ant1	Low	2422	-12.11	-48.47	≤-32.11	PASS
		High	2452	-11.95	-57.2	≤-31.95	PASS

Test Graphs

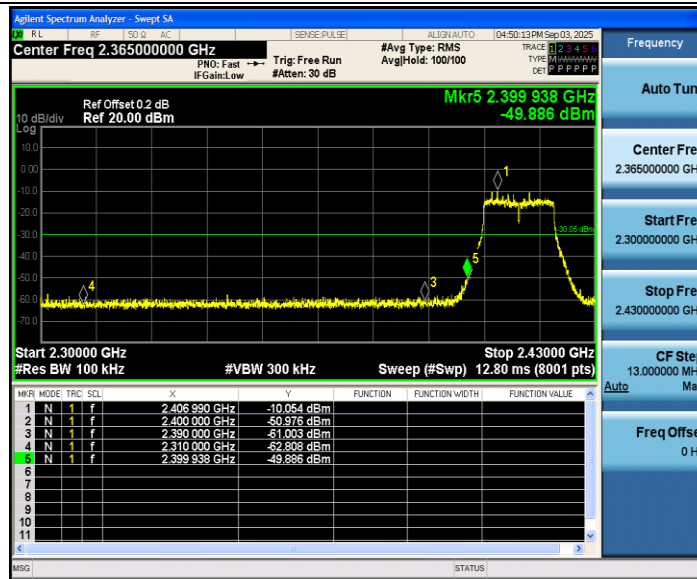
11B_Ant1_Low_2412



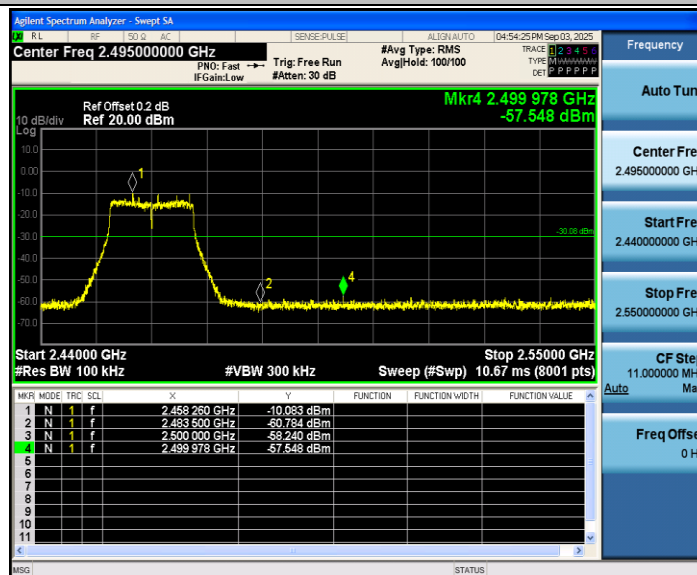
11B_Ant1_High_2462



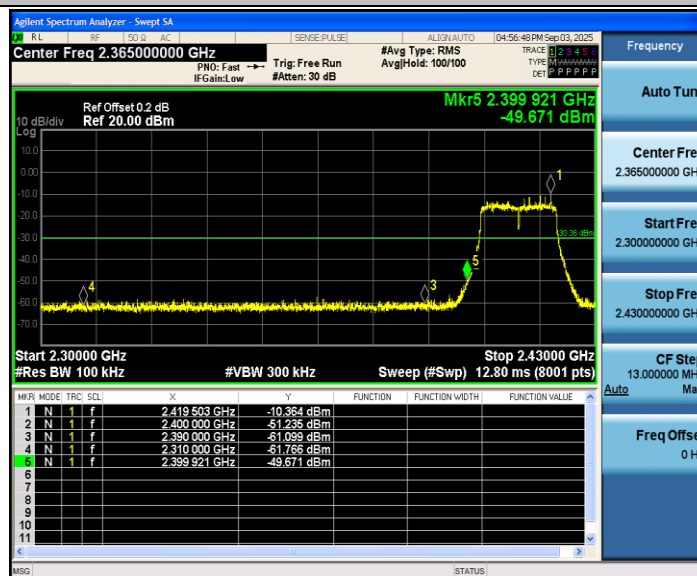
11G_Ant1_Low_2412



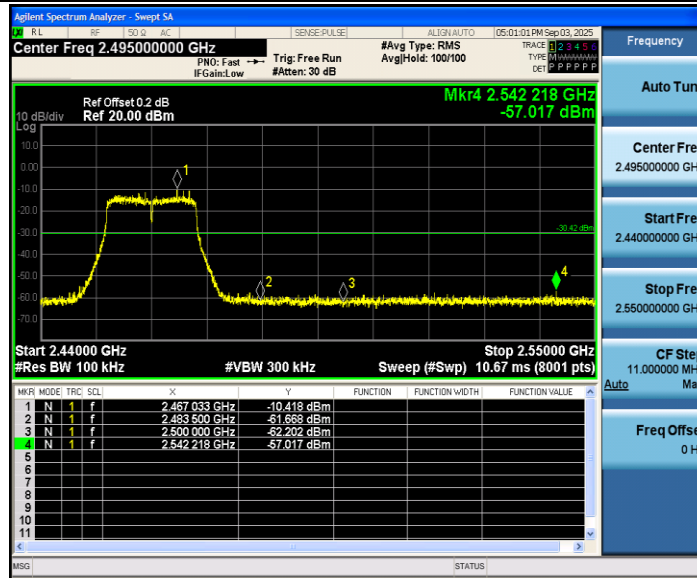
11G_Ant1_High_2462



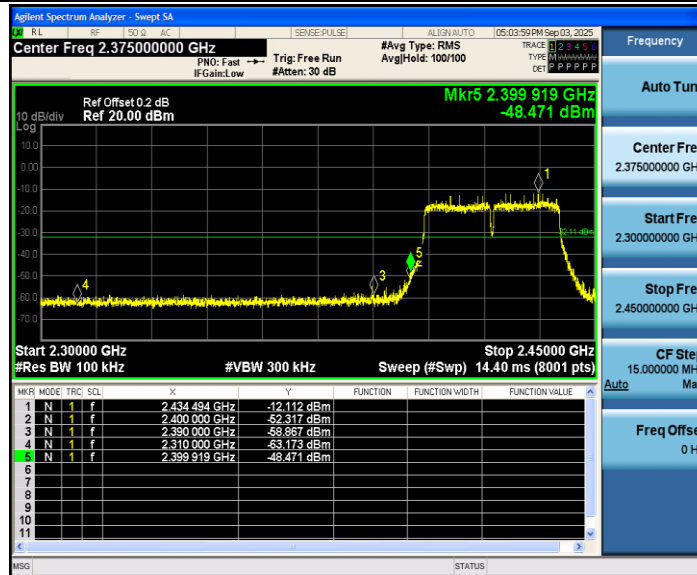
11N20SISO_Ant1_Low_2412



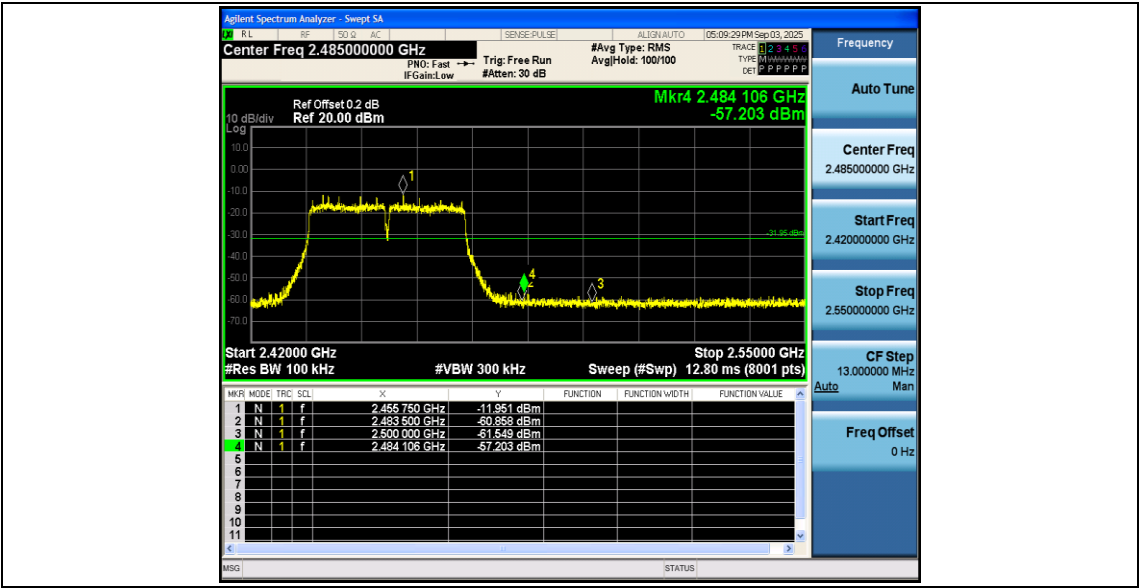
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

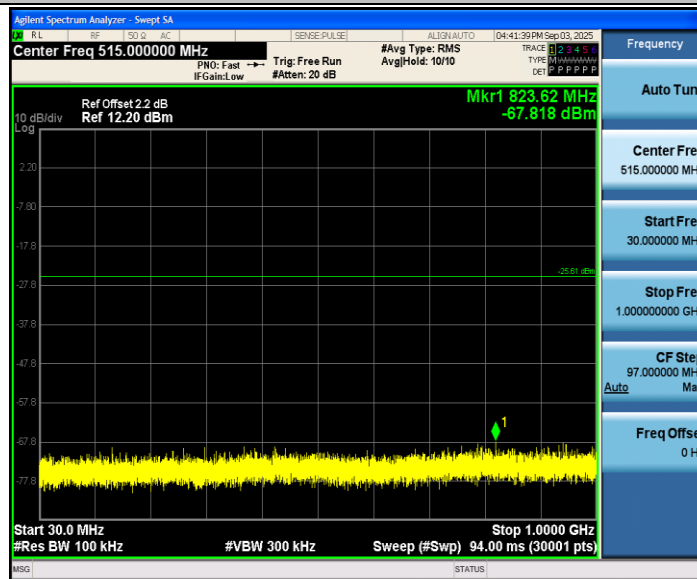
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-5.61	-5.61	---	PASS
			30~1000	-5.61	-67.82	≤-25.61	PASS
			1000~26500	-5.61	-55.23	≤-25.61	PASS
		2437	Reference	-5.20	-5.20	---	PASS
			30~1000	-5.20	-68.49	≤-25.2	PASS
			1000~26500	-5.20	-54.76	≤-25.2	PASS
		2462	Reference	-5.23	-5.23	---	PASS
			30~1000	-5.23	-67.78	≤-25.23	PASS
			1000~26500	-5.23	-54.64	≤-25.23	PASS
11G	Ant1	2412	Reference	-14.00	-14.00	---	PASS
			30~1000	-14.00	-68.39	≤-34	PASS
			1000~26500	-14.00	-54.56	≤-34	PASS
		2437	Reference	-12.08	-12.08	---	PASS
			30~1000	-12.08	-67.88	≤-32.08	PASS
			1000~26500	-12.08	-54.45	≤-32.08	PASS
		2462	Reference	-11.76	-11.76	---	PASS
			30~1000	-11.76	-67.82	≤-31.76	PASS
			1000~26500	-11.76	-54.31	≤-31.76	PASS
11N20SISO	Ant1	2412	Reference	-13.85	-13.85	---	PASS
			30~1000	-13.85	-68.15	≤-33.85	PASS
			1000~26500	-13.85	-54.89	≤-33.85	PASS
		2437	Reference	-13.50	-13.50	---	PASS
			30~1000	-13.50	-68.32	≤-33.5	PASS
			1000~26500	-13.50	-55.14	≤-33.5	PASS
		2462	Reference	-12.66	-12.66	---	PASS
			30~1000	-12.66	-68.3	≤-32.66	PASS
			1000~26500	-12.66	-53.88	≤-32.66	PASS
11N40SISO	Ant1	2422	Reference	-14.73	-14.73	---	PASS
			30~1000	-14.73	-68.19	≤-34.73	PASS
			1000~26500	-14.73	-55.15	≤-34.73	PASS
		2437	Reference	-13.33	-13.33	---	PASS
			30~1000	-13.33	-68.35	≤-33.33	PASS
			1000~26500	-13.33	-55.52	≤-33.33	PASS
		2452	Reference	-12.50	-12.50	---	PASS
			30~1000	-12.50	-68.46	≤-32.5	PASS
			1000~26500	-12.50	-54.9	≤-32.5	PASS

Test Graphs

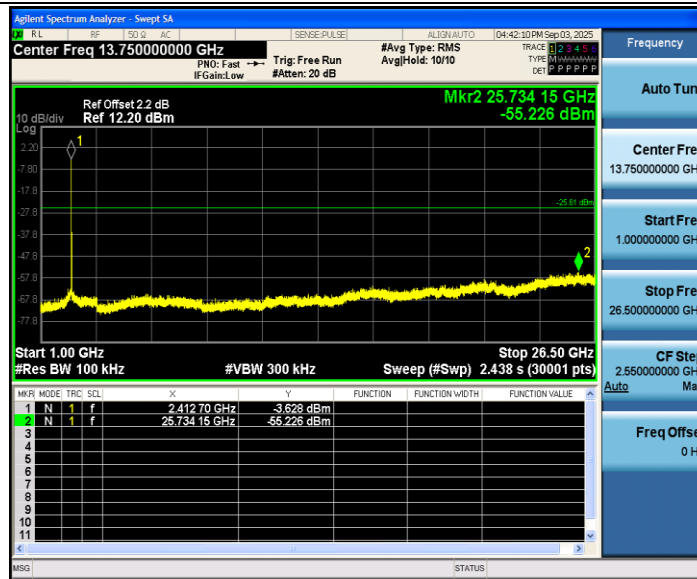
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



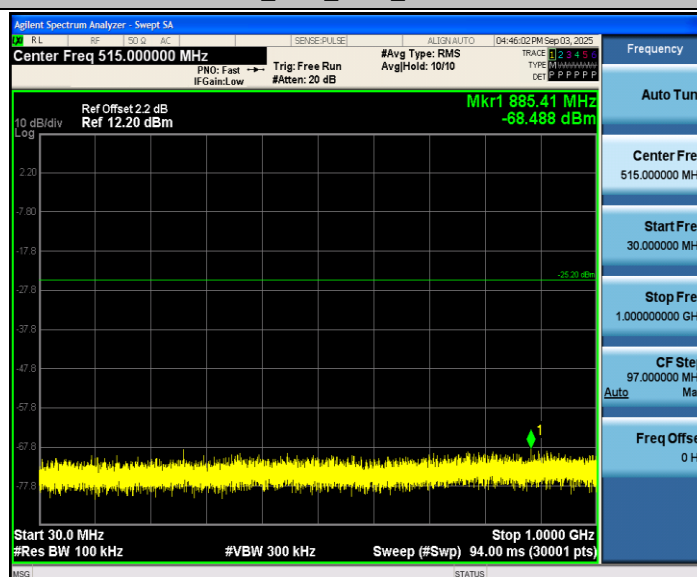
11B_Ant1_2412_1000~26500



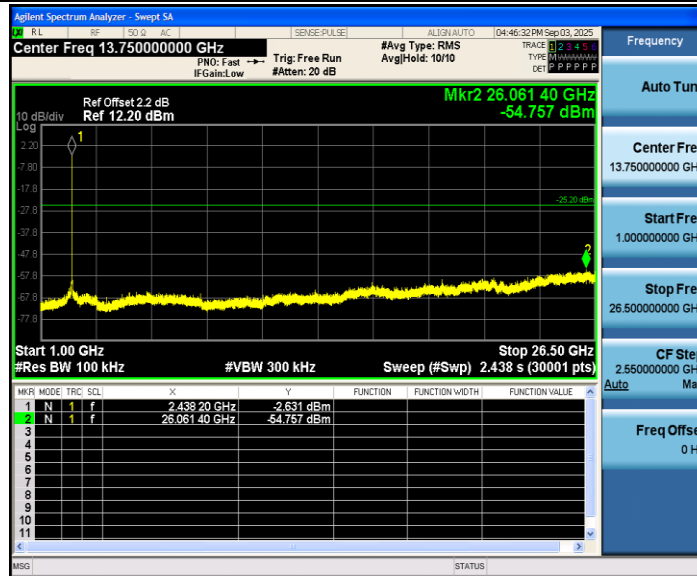
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



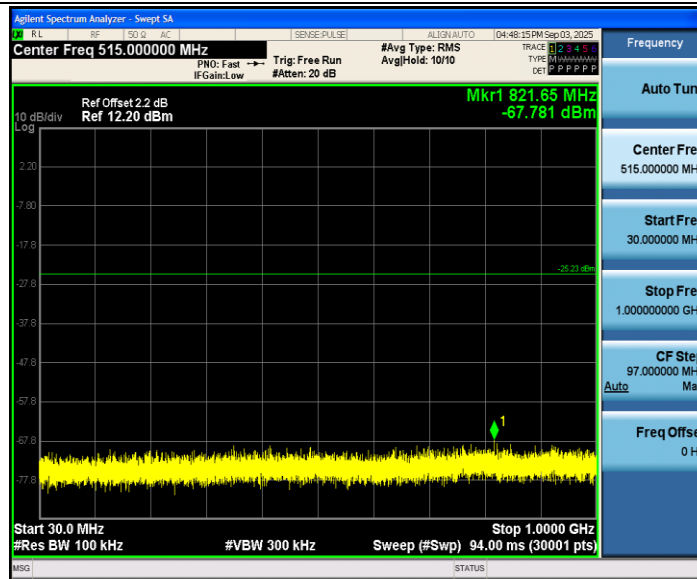
11B_Ant1_2437_1000~26500



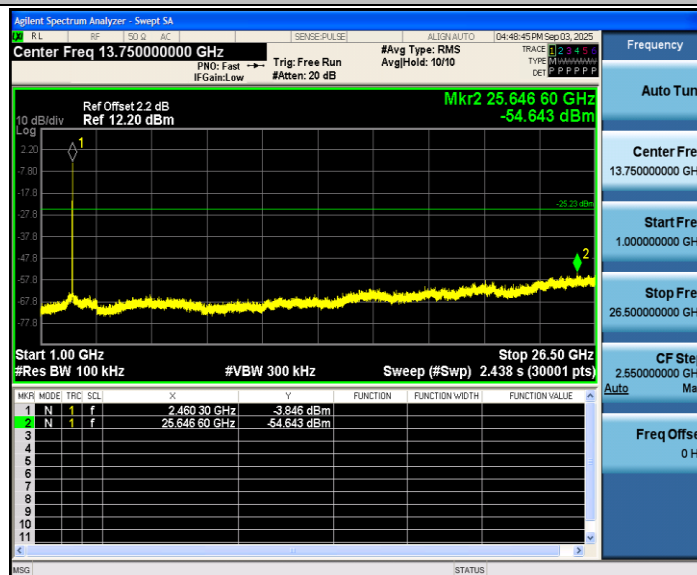
11B_Ant1_2462_0~Reference



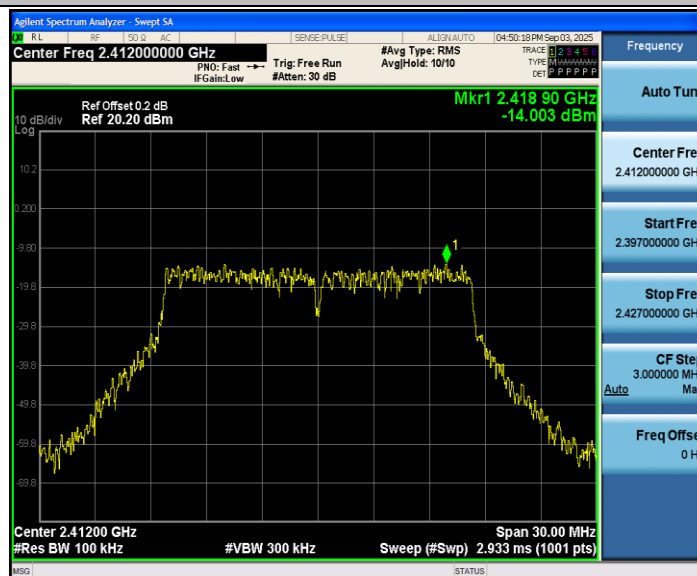
11B_Ant1_2462_30~1000



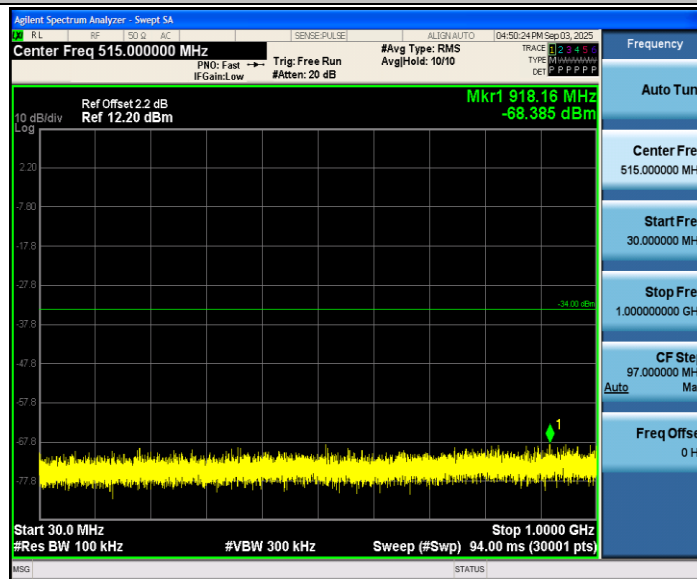
11B_Ant1_2462_1000~26500



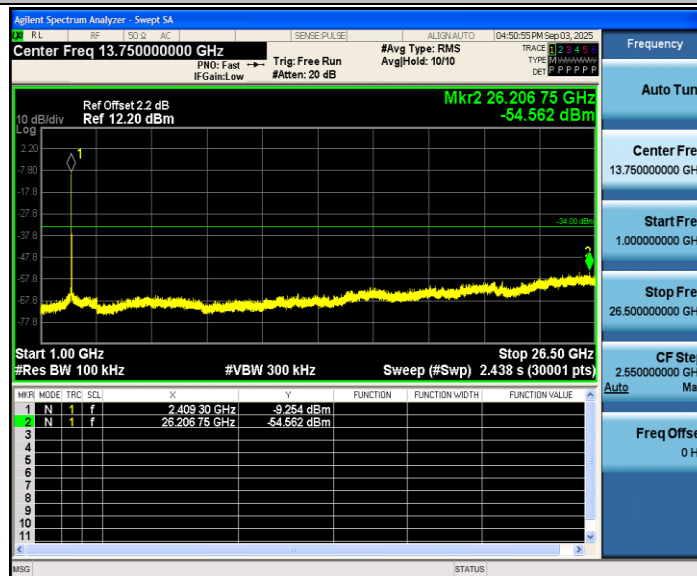
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



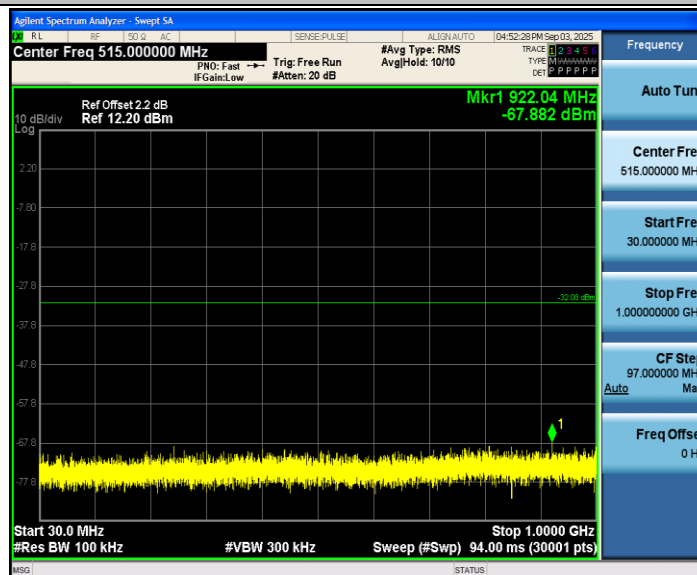
11G_Ant1_2412_1000~26500



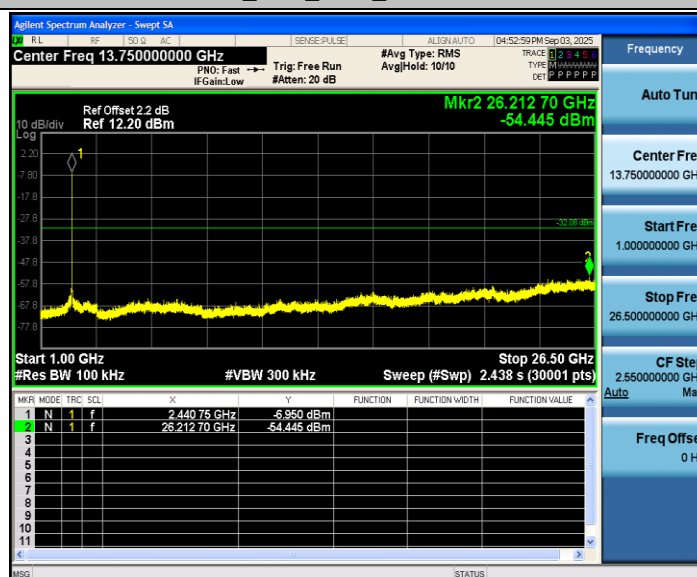
11G_Ant1_2437_0~Reference



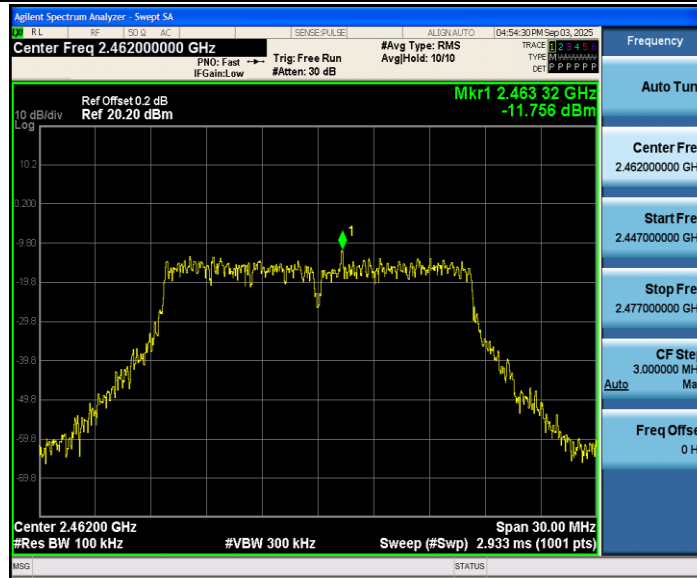
11G_Ant1_2437_30~1000



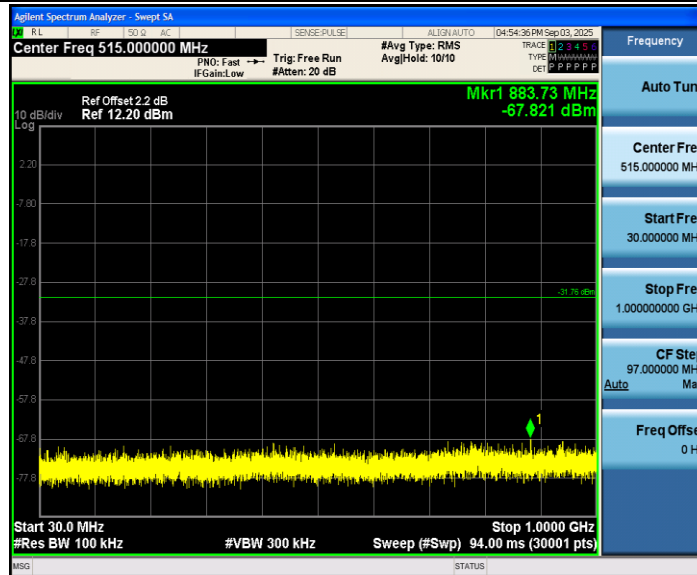
11G_Ant1_2437_1000~26500



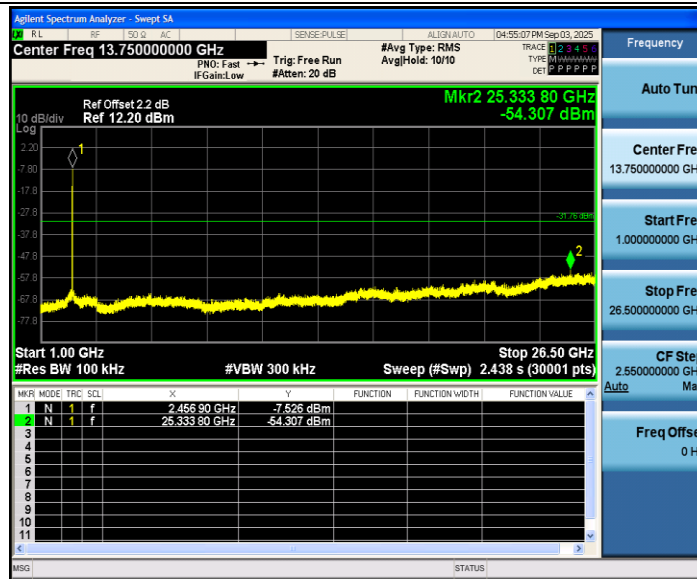
11G_Ant1_2462_0~Reference



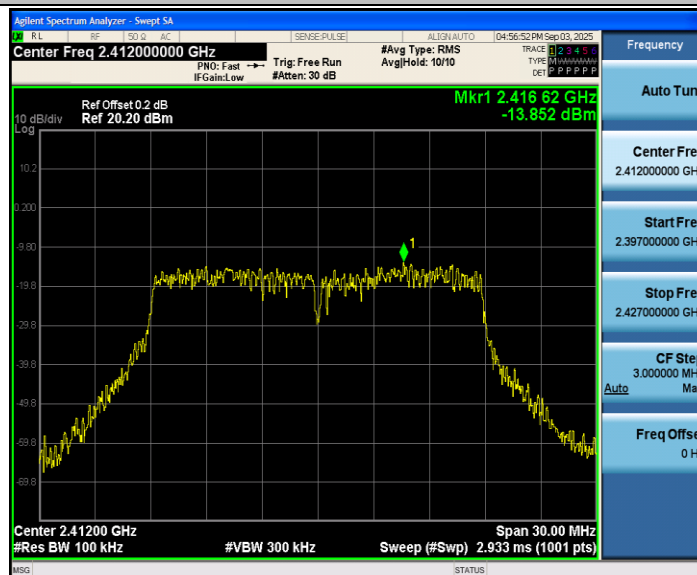
11G_Ant1_2462_30~1000



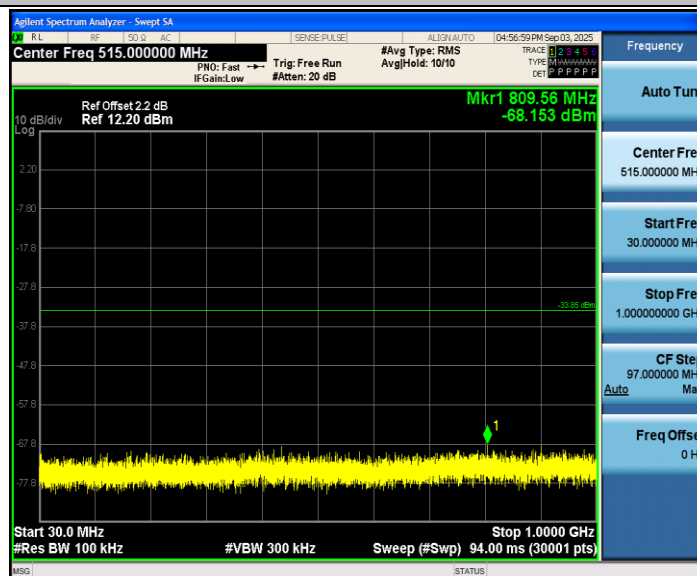
11G_Ant1_2462_1000~26500



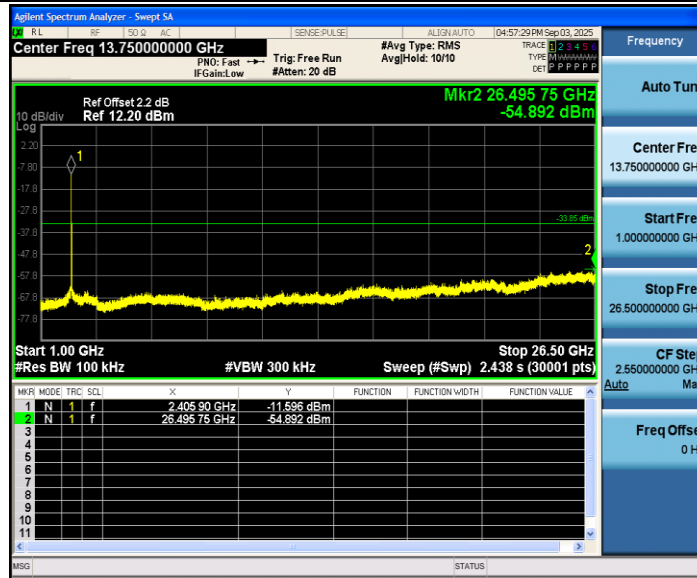
11N20SISO_Ant1_2412_0~Reference



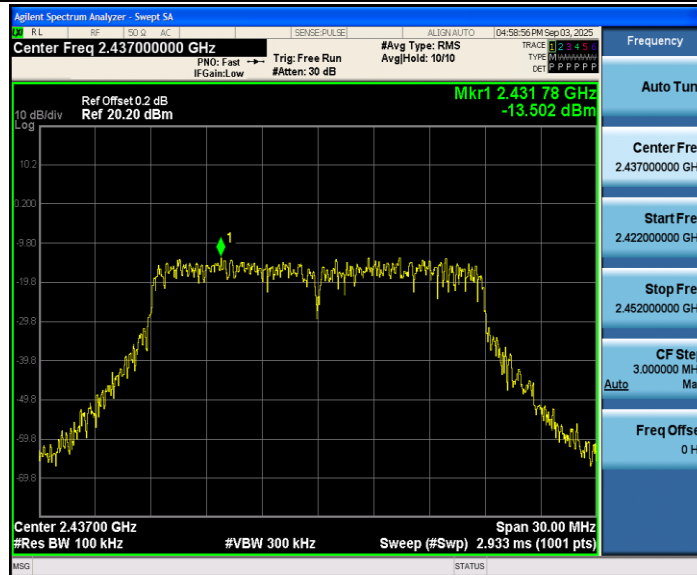
11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000