

FCC Appendix RF Test Data

FCC ID : 2BFMG-C90

Company: : Shenzhen Chuangzhan Hong Electronic Technology Co., Ltd.

EUT : Magnetic Selfie Screen

Model Number : C90

Report No. : CTA25041500801

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	10.040	2407.000	2417.040	0.5	PASS
		2437	8.600	2432.960	2441.560	0.5	PASS
		2462	9.080	2457.920	2467.000	0.5	PASS
11G	Ant1	2412	16.040	2403.840	2419.880	0.5	PASS
		2437	15.720	2429.440	2445.160	0.5	PASS
		2462	15.680	2453.880	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.760	2404.040	2419.800	0.5	PASS
		2437	16.200	2429.440	2445.640	0.5	PASS
		2462	16.080	2453.480	2469.560	0.5	PASS
11N40SISO	Ant1	2422	35.600	2404.240	2439.840	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	30.000	2434.480	2464.480	0.5	PASS

Test Graphs

11B_Ant1_2412



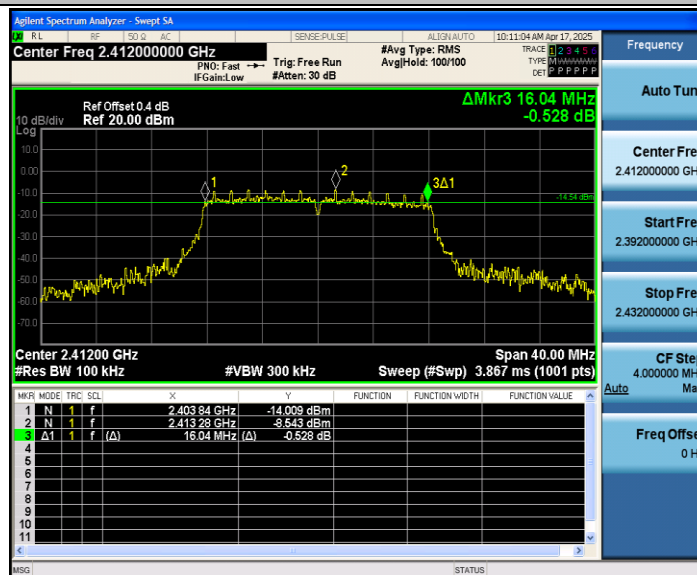
11B_Ant1_2437



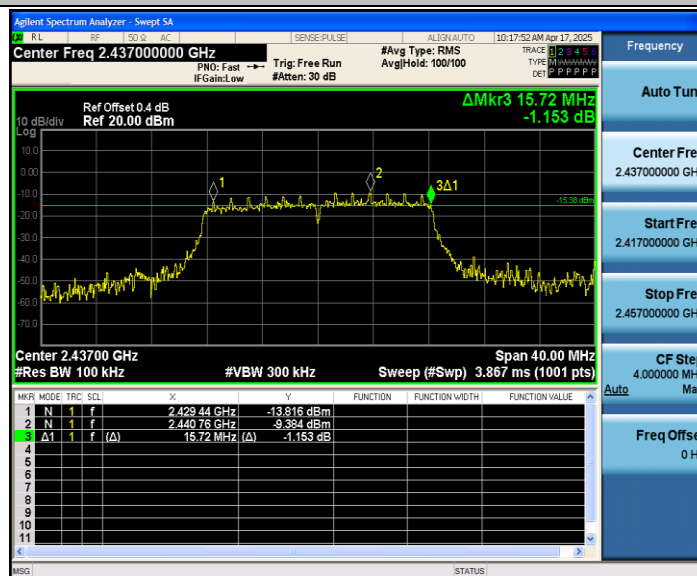
11B_Ant1_2462



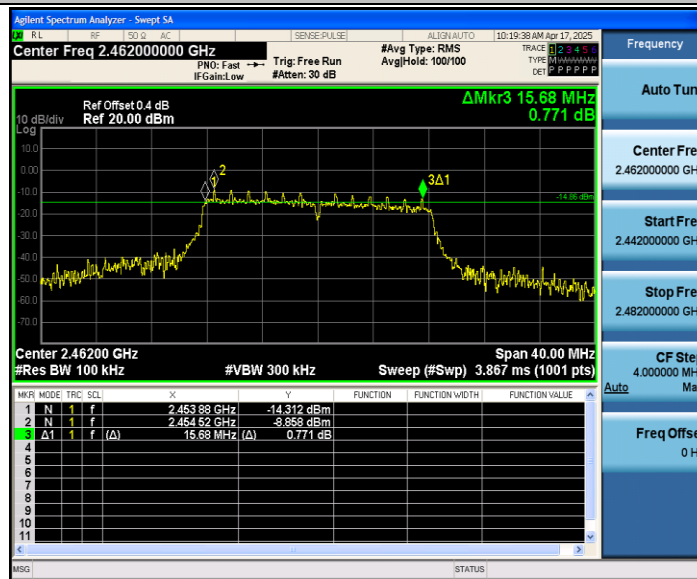
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



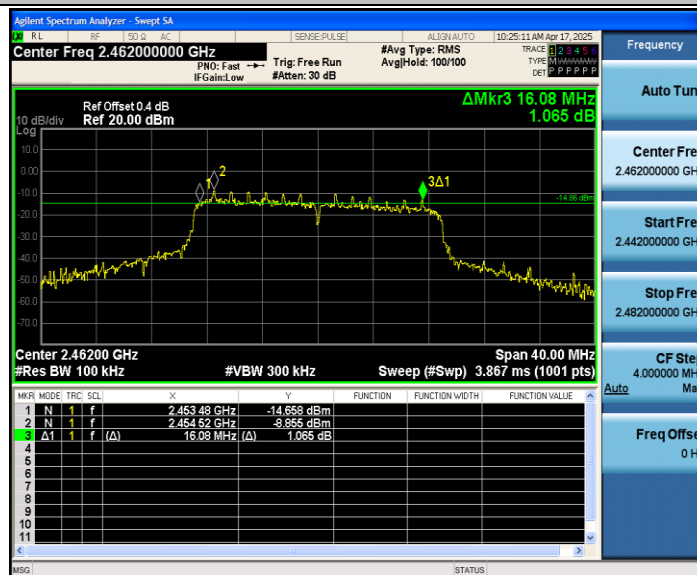
11N20SISO_Ant1_2412



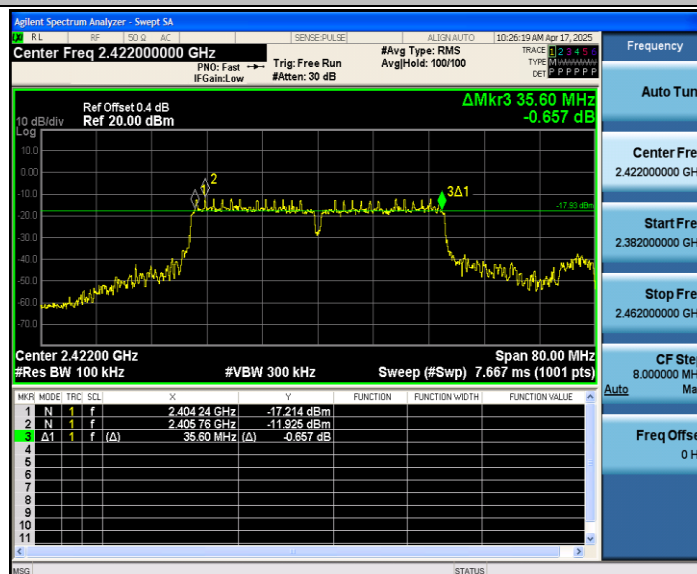
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



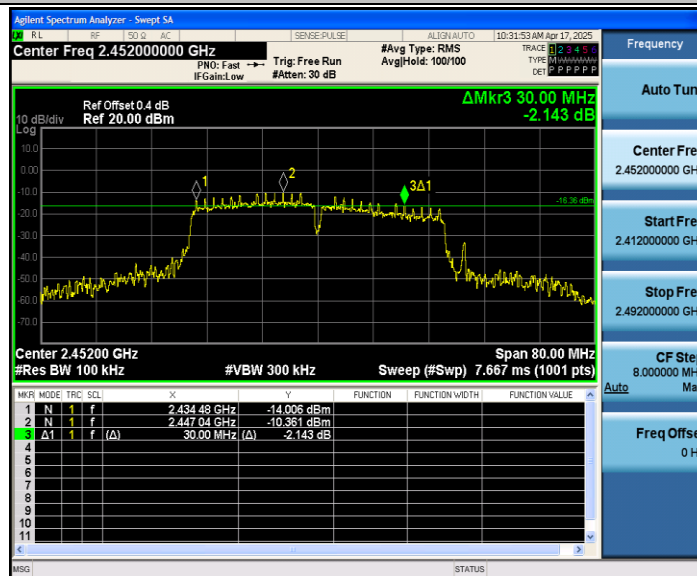
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



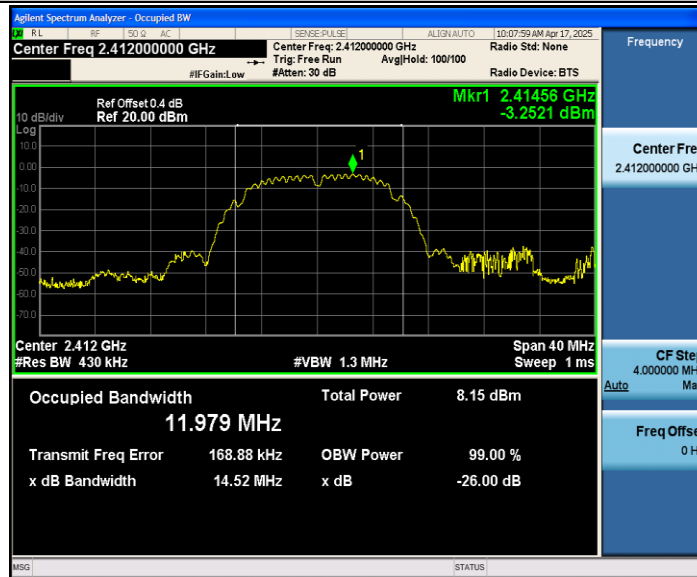
Appendix B: Occupied Channel Bandwidth

Test Result

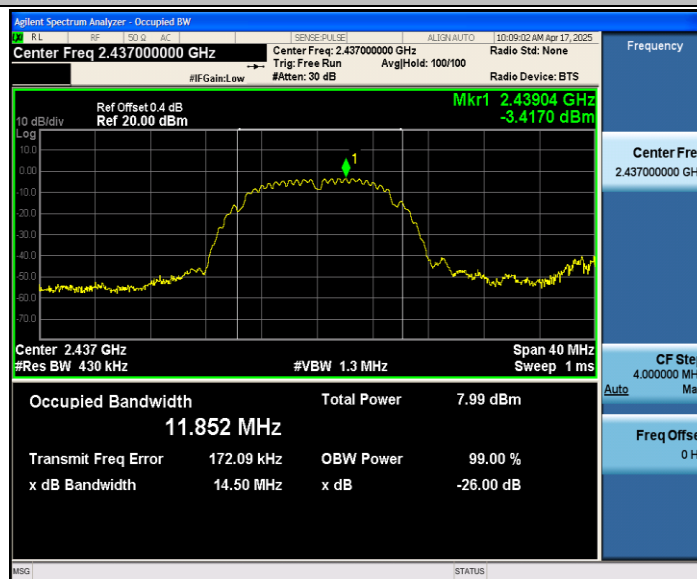
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.979	2406.1794	2418.1584	---	---
		2437	11.852	2431.2461	2443.0981	---	---
		2462	11.999	2456.1290	2468.1280	---	---
11G	Ant1	2412	16.582	2403.6936	2420.2756	---	---
		2437	16.651	2428.7873	2445.4383	---	---
		2462	16.713	2453.4828	2470.1958	---	---
11N20SISO	Ant1	2412	17.605	2403.1958	2420.8008	---	---
		2437	17.592	2428.3399	2445.9319	---	---
		2462	17.798	2452.9522	2470.7502	---	---
11N40SISO	Ant1	2422	36.525	2403.8952	2440.4202	---	---
		2437	35.997	2419.1427	2455.1397	---	---
		2452	35.908	2433.9022	2469.8102	---	---

Test Graphs

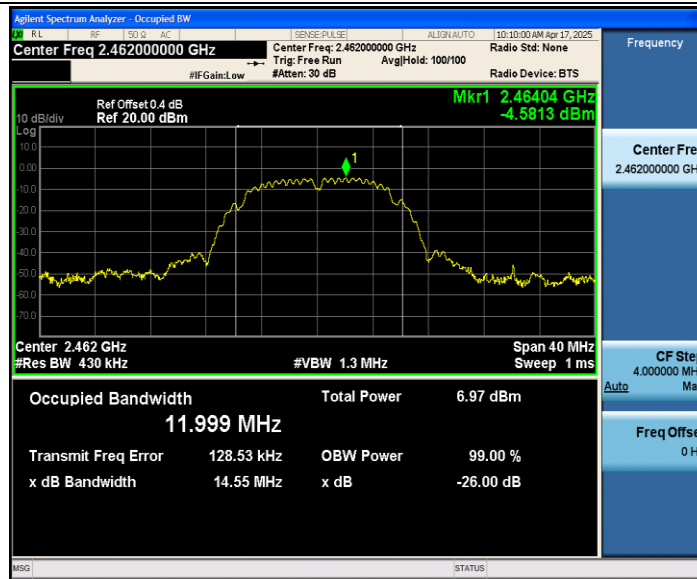
11B_Ant1_2412



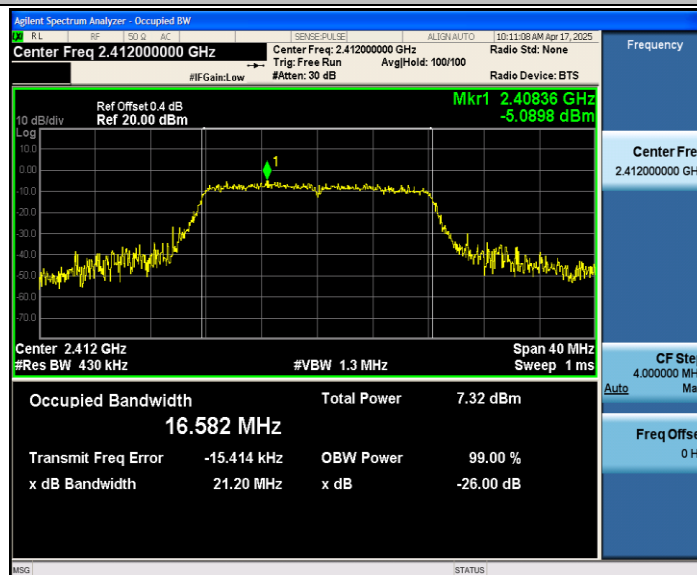
11B_Ant1_2437



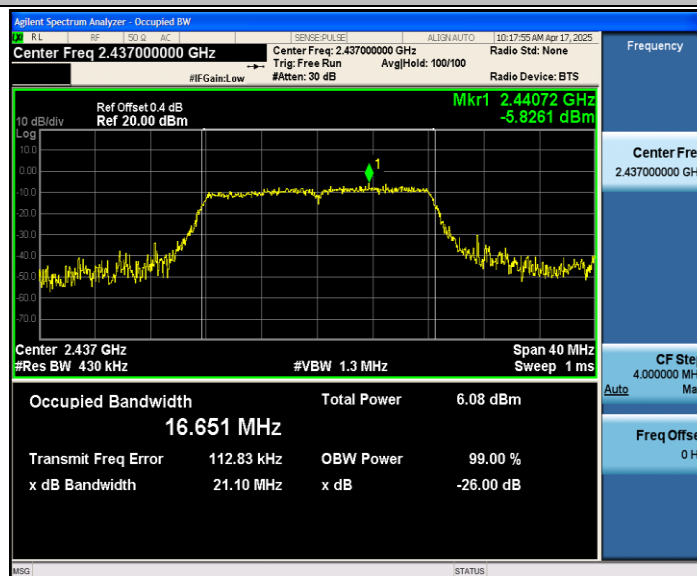
11B_Ant1_2462



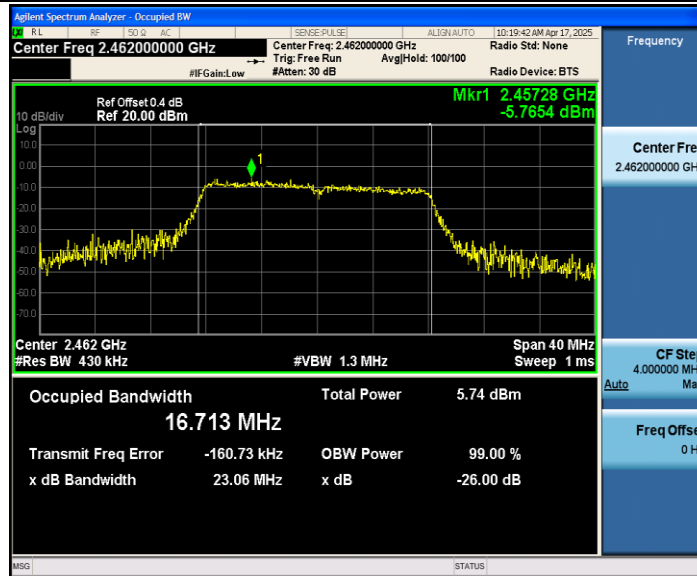
11G_Ant1_2412



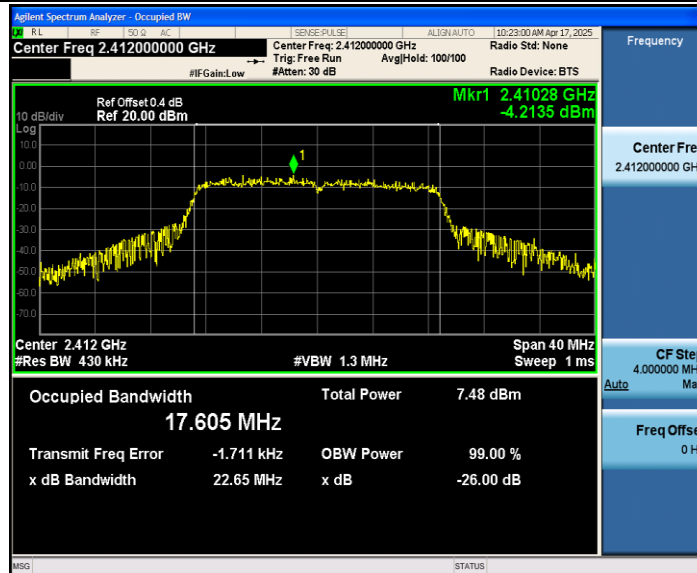
11G_Ant1_2437



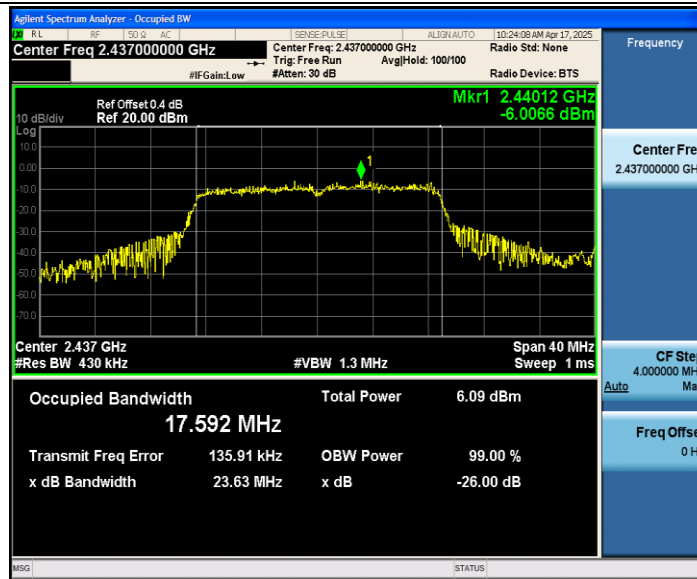
11G_Ant1_2462



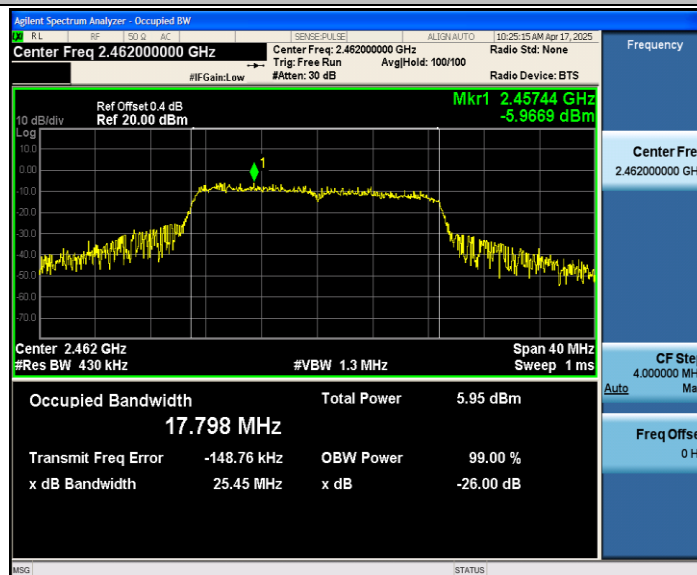
11N20SISO_Ant1_2412



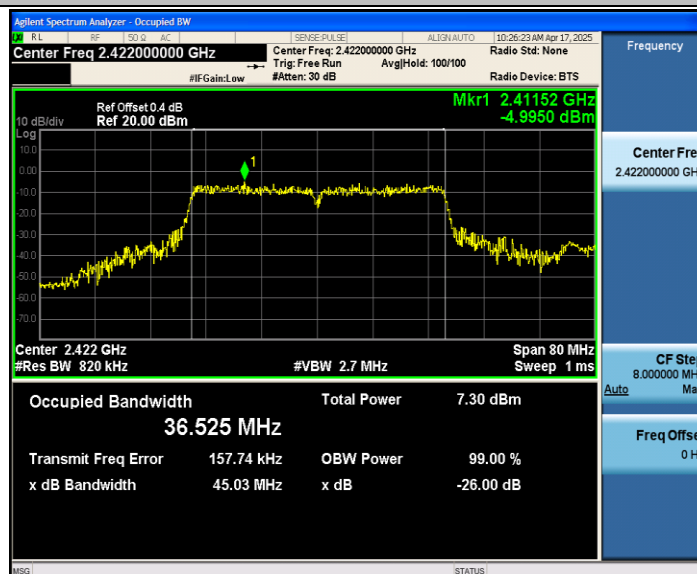
11N20SISO_Ant1_2437



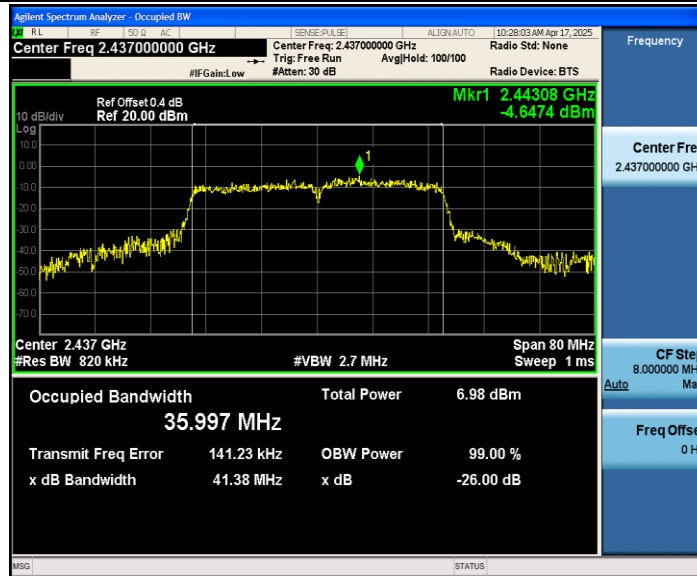
11N20SISO_Ant1_2462



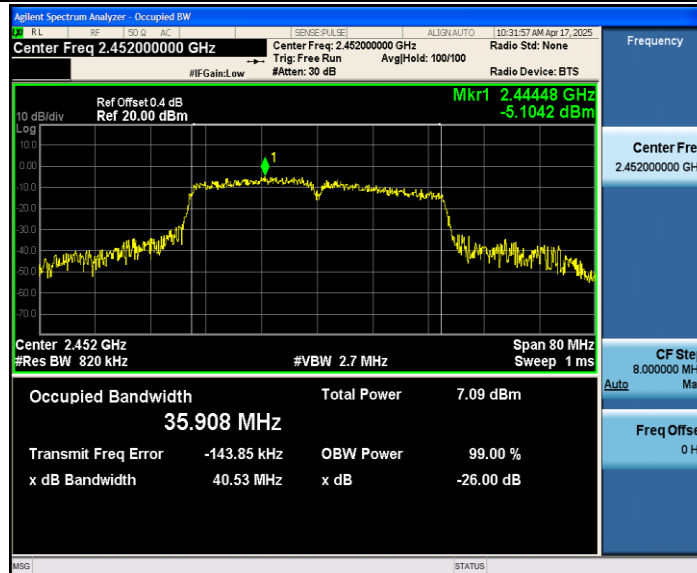
11N40SISO_Ant1_2422



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	8.13	≤30.00	PASS
		2437	7.70	≤30.00	PASS
		2462	6.76	≤30.00	PASS
11G	Ant1	2412	8.16	≤30.00	PASS
		2437	6.62	≤30.00	PASS
		2462	6.50	≤30.00	PASS
11N20SISO	Ant1	2412	7.78	≤30.00	PASS
		2437	6.62	≤30.00	PASS
		2462	6.41	≤30.00	PASS
11N40SISO	Ant1	2422	7.34	≤30.00	PASS
		2437	7.12	≤30.00	PASS
		2452	6.99	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

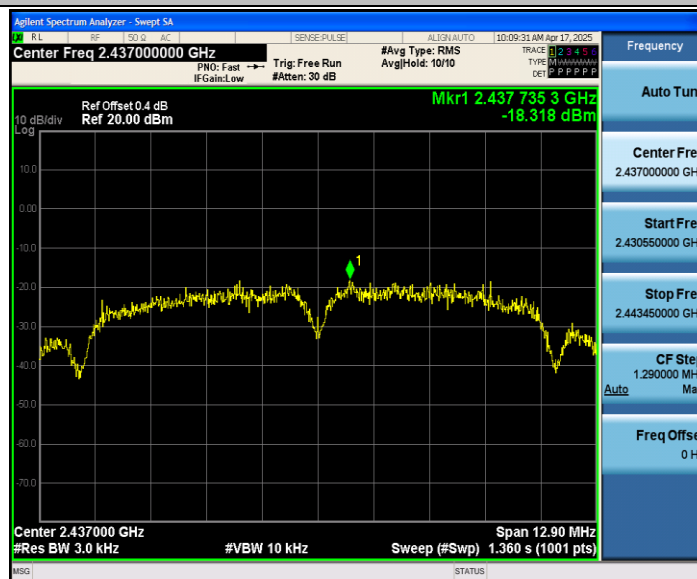
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.84	≤8.00	PASS
		2437	-18.32	≤8.00	PASS
		2462	-18.30	≤8.00	PASS
11G	Ant1	2412	-24.65	≤8.00	PASS
		2437	-24.94	≤8.00	PASS
		2462	-24.00	≤8.00	PASS
11N20SISO	Ant1	2412	-24.73	≤8.00	PASS
		2437	-24.84	≤8.00	PASS
		2462	-24.95	≤8.00	PASS
11N40SISO	Ant1	2422	-27.85	≤8.00	PASS
		2437	-27.20	≤8.00	PASS
		2452	-26.53	≤8.00	PASS

Test Graphs

11B_Ant1_2412



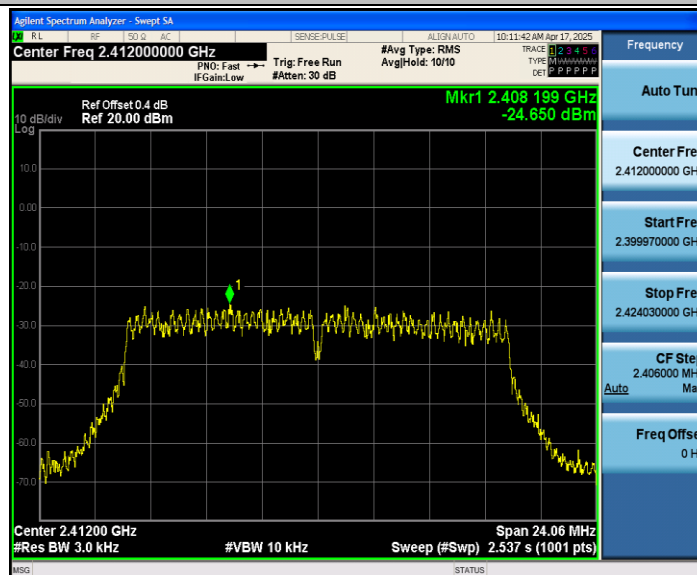
11B_Ant1_2437



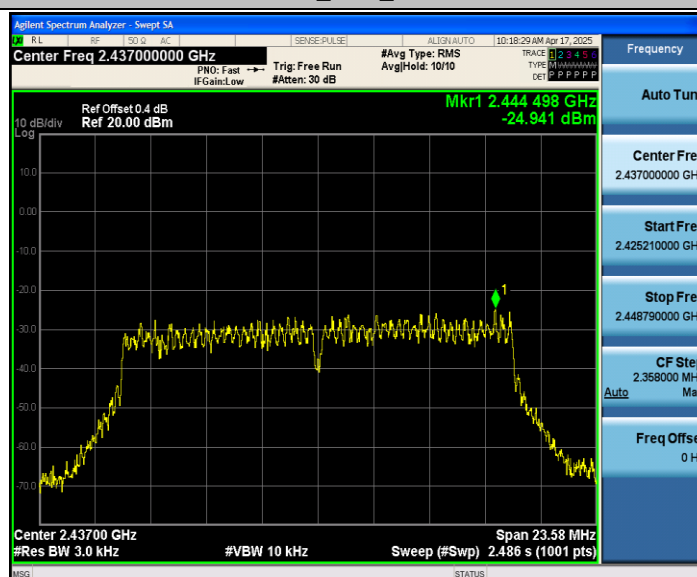
11B_Ant1_2462



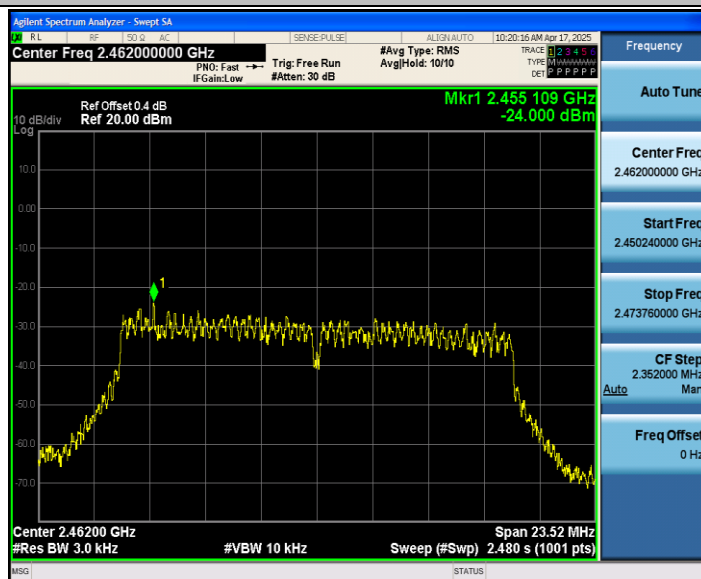
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



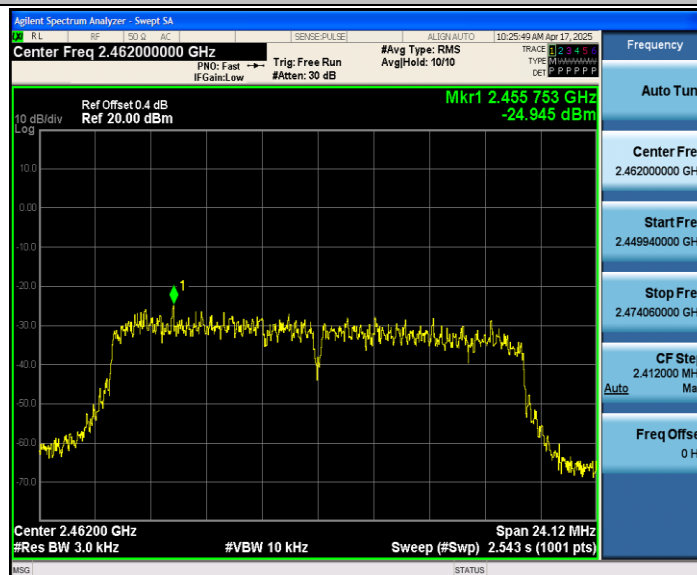
11N20SISO_Ant1_2412



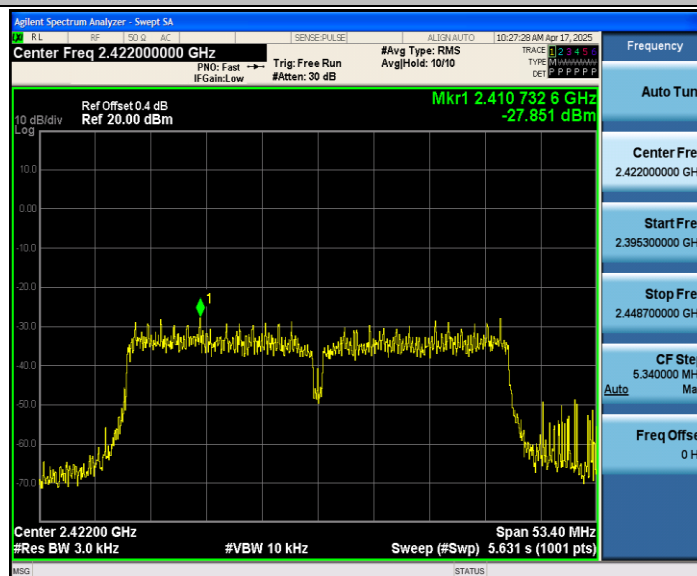
11N20SISO_Ant1_2437



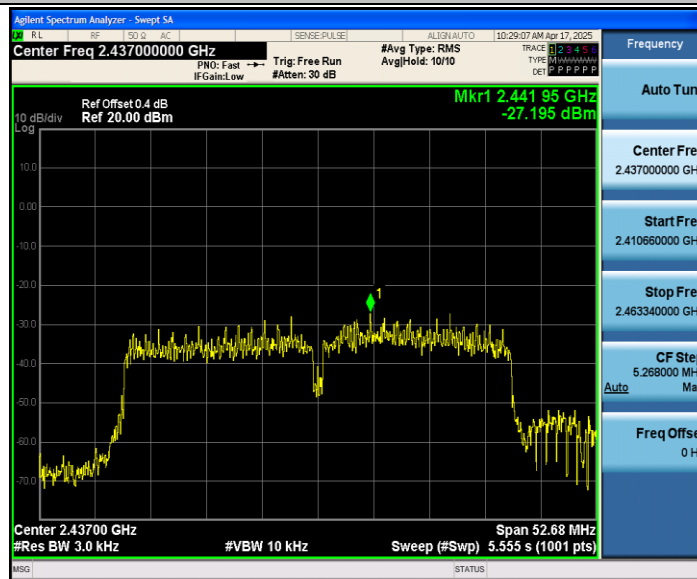
11N20SISO_Ant1_2462



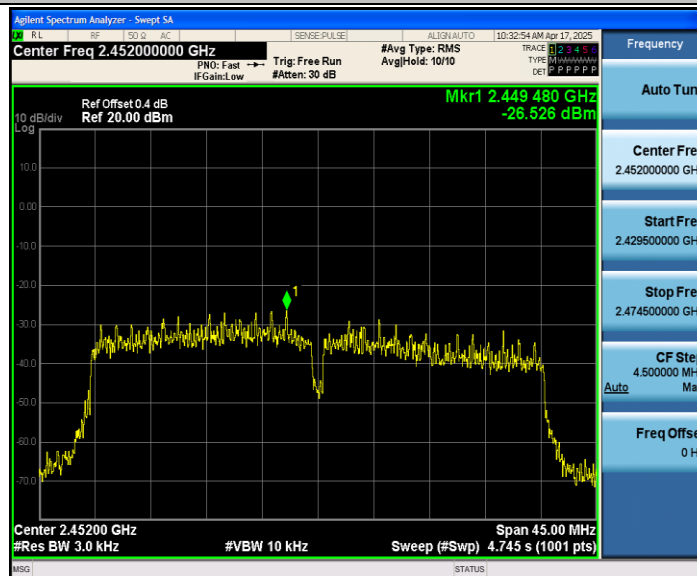
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



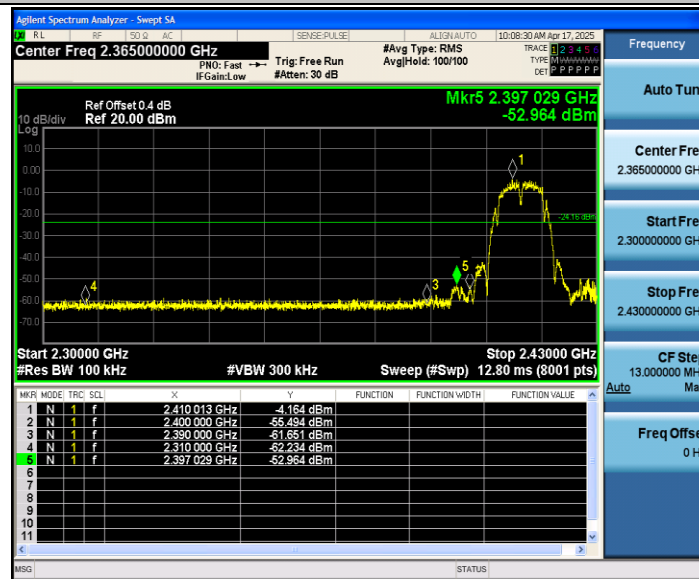
Appendix E: Band edge measurements

Test Result

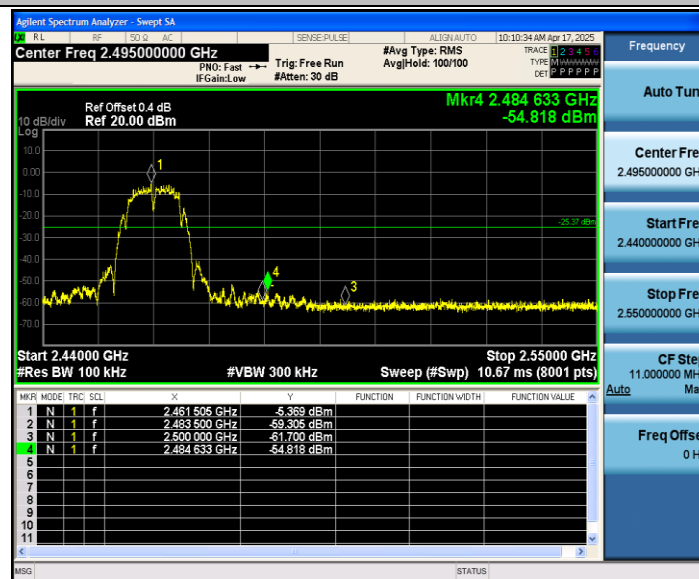
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-4.16	-52.96	≤-24.16	PASS
		High	2462	-5.37	-54.82	≤-25.37	PASS
11G	Ant1	Low	2412	-8.64	-42.62	≤-28.64	PASS
		High	2462	-9.19	-53.34	≤-29.19	PASS
11N20SISO	Ant1	Low	2412	-8.35	-42.37	≤-28.35	PASS
		High	2462	-8.98	-55.08	≤-28.98	PASS
11N40SISO	Ant1	Low	2422	-12.18	-42.77	≤-32.18	PASS
		High	2452	-10.38	-47.98	≤-30.38	PASS

Test Graphs

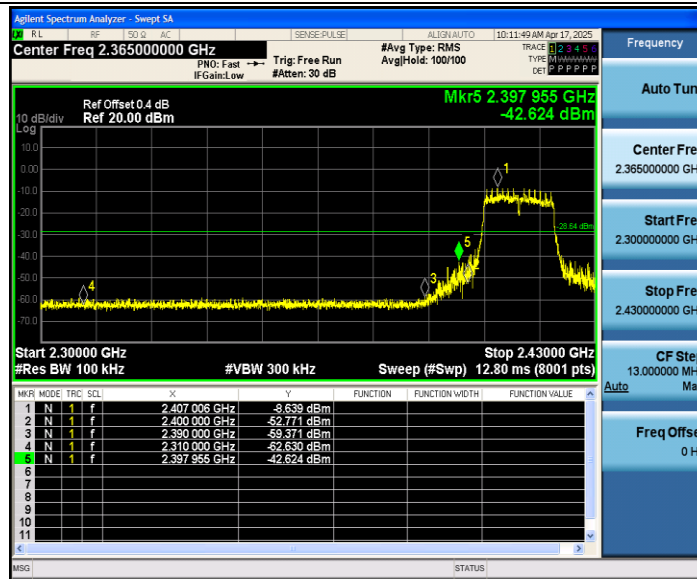
11B_Ant1_Low_2412



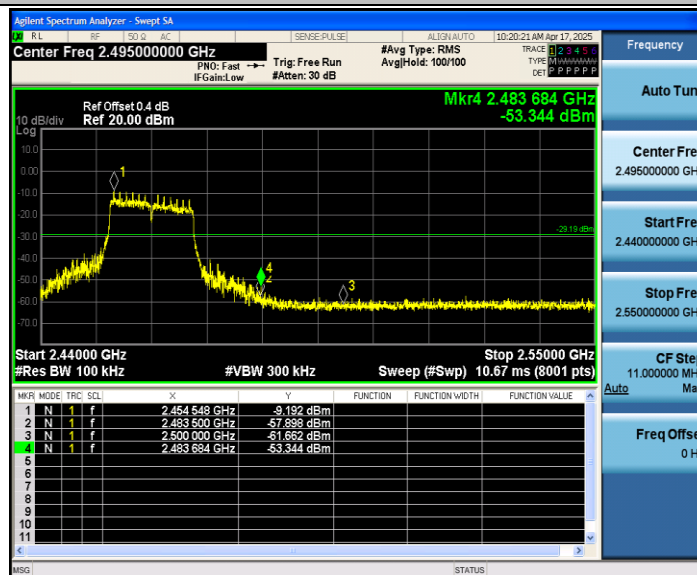
11B_Ant1_High_2462



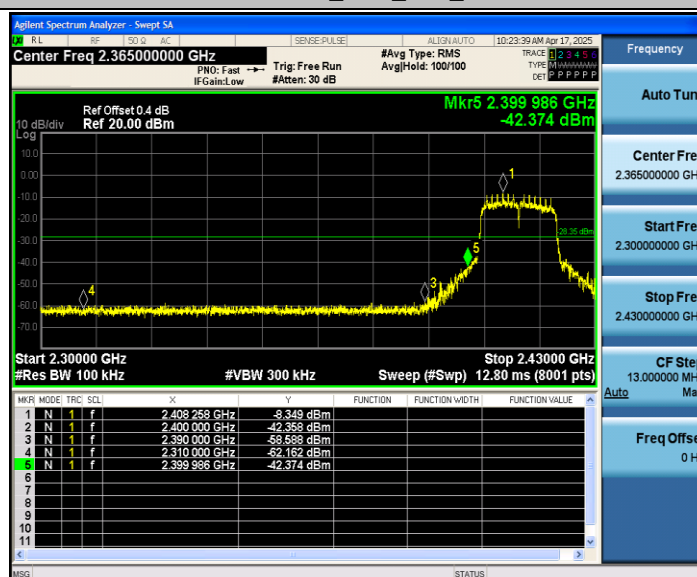
11G_Ant1_Low_2412



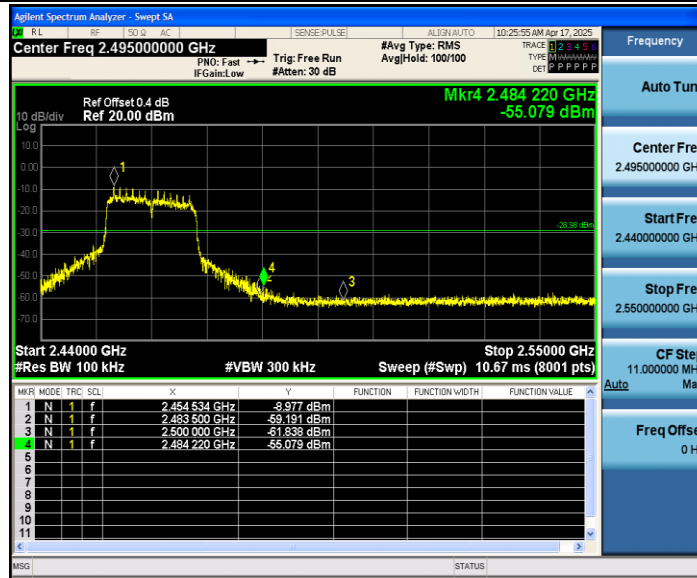
11G_Ant1_High_2462



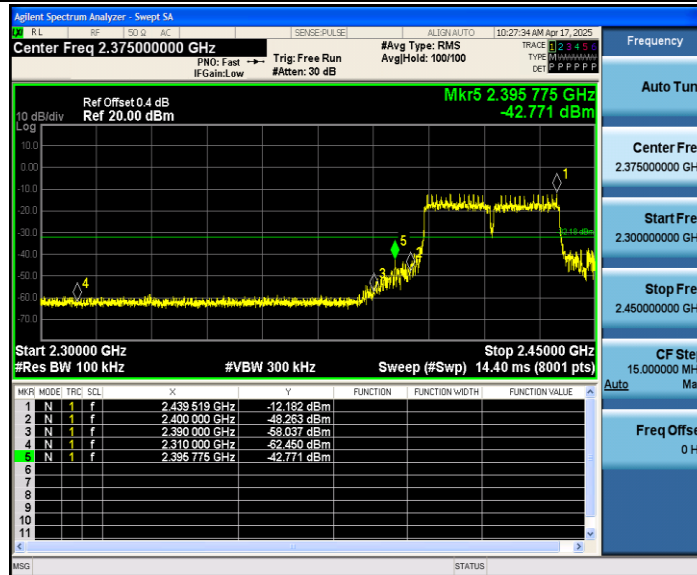
11N20SISO_Ant1_Low_2412



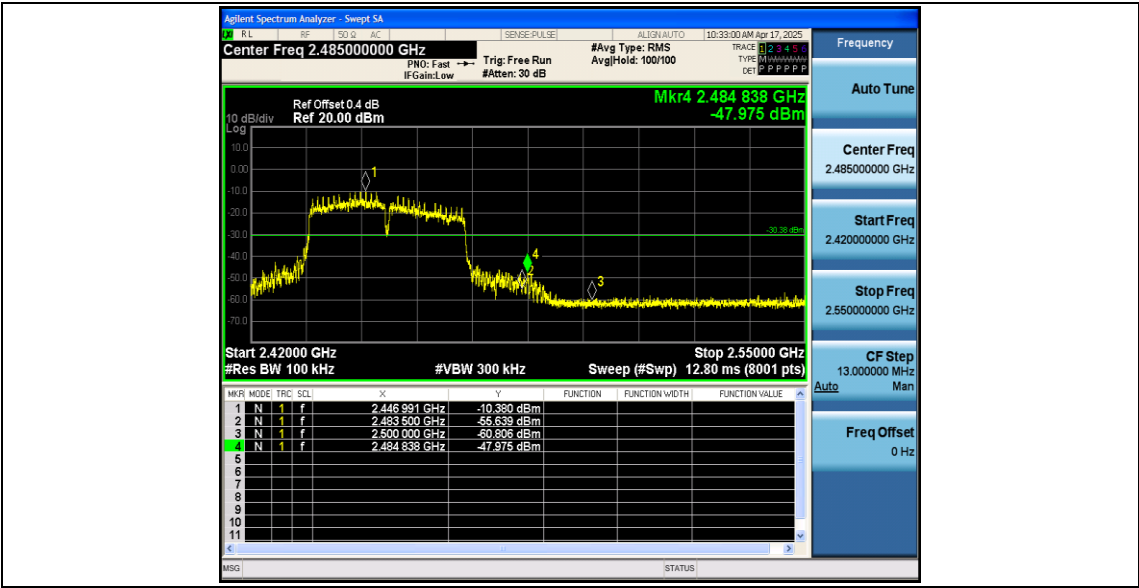
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

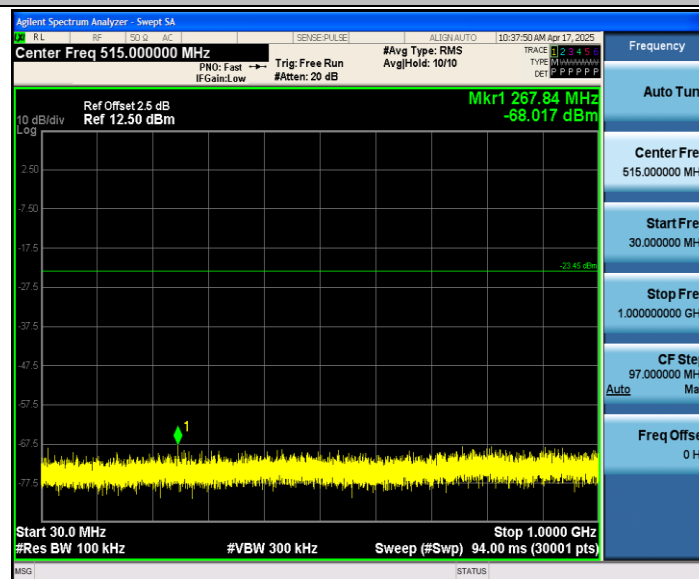
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-3.45	-3.45	---	PASS
			30~1000	-3.45	-68.02	≤-23.45	PASS
			1000~26500	-3.45	-51.52	≤-23.45	PASS
		2437	Reference	-2.97	-2.97	---	PASS
			30~1000	-2.97	-67.52	≤-22.97	PASS
			1000~26500	-2.97	-45.56	≤-22.97	PASS
		2462	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-66.43	≤-24.51	PASS
			1000~26500	-4.51	-46.11	≤-24.51	PASS
11G	Ant1	2412	Reference	-7.49	-7.49	---	PASS
			30~1000	-7.49	-68.41	≤-27.49	PASS
			1000~26500	-7.49	-54.77	≤-27.49	PASS
		2437	Reference	-7.24	-7.24	---	PASS
			30~1000	-7.24	-68.53	≤-27.24	PASS
			1000~26500	-7.24	-47.96	≤-27.24	PASS
		2462	Reference	-8.70	-8.70	---	PASS
			30~1000	-8.70	-68.1	≤-28.7	PASS
			1000~26500	-8.70	-49.46	≤-28.7	PASS
11N20SISO	Ant1	2412	Reference	-6.20	-6.20	---	PASS
			30~1000	-6.20	-67.48	≤-26.2	PASS
			1000~26500	-6.20	-47.83	≤-26.2	PASS
		2437	Reference	-7.83	-7.83	---	PASS
			30~1000	-7.83	-67.94	≤-27.83	PASS
			1000~26500	-7.83	-54.78	≤-27.83	PASS
		2462	Reference	-8.23	-8.23	---	PASS
			30~1000	-8.23	-67.54	≤-28.23	PASS
			1000~26500	-8.23	-55.31	≤-28.23	PASS
11N40SISO	Ant1	2422	Reference	-10.24	-10.24	---	PASS
			30~1000	-10.24	-68.06	≤-30.24	PASS
			1000~26500	-10.24	-52.4	≤-30.24	PASS
		2437	Reference	-9.94	-9.94	---	PASS
			30~1000	-9.94	-67.23	≤-29.94	PASS
			1000~26500	-9.94	-52.91	≤-29.94	PASS
		2452	Reference	-8.74	-8.74	---	PASS
			30~1000	-8.74	-68.32	≤-28.74	PASS
			1000~26500	-8.74	-54.52	≤-28.74	PASS

Test Graphs

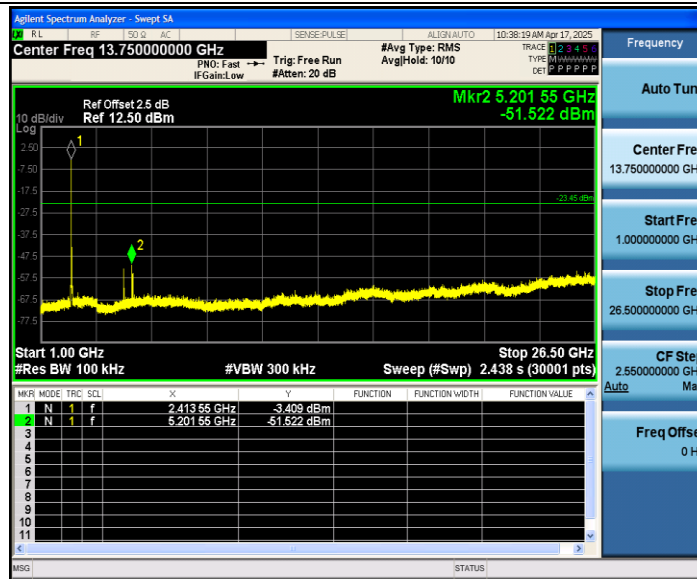
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



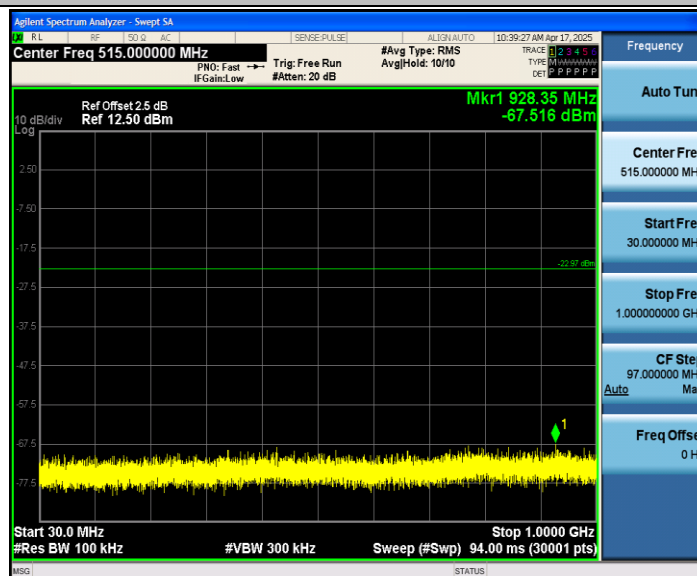
11B_Ant1_2412_1000~26500



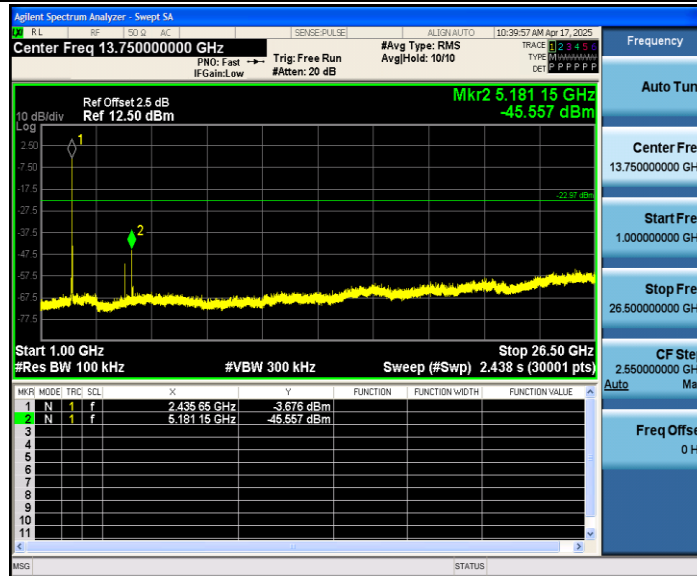
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



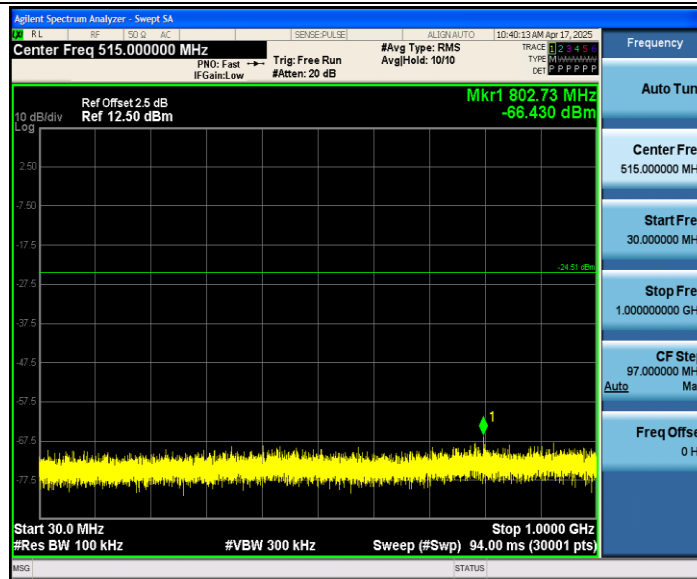
11B_Ant1_2437_1000~26500



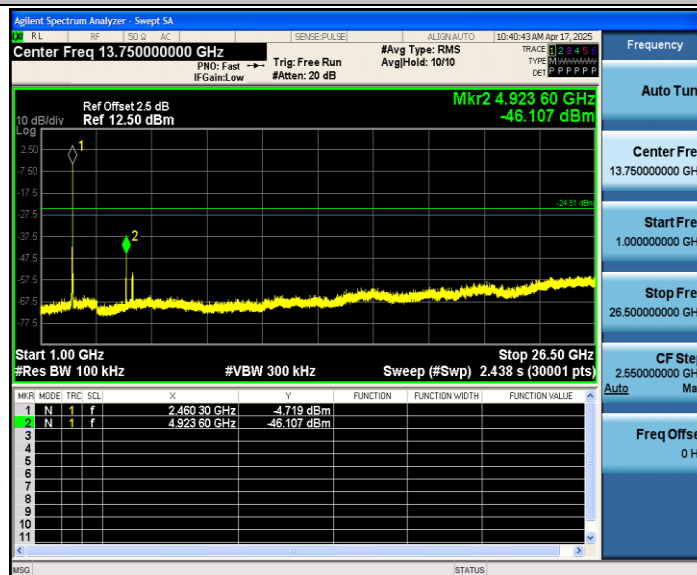
11B_Ant1_2462_0~Reference



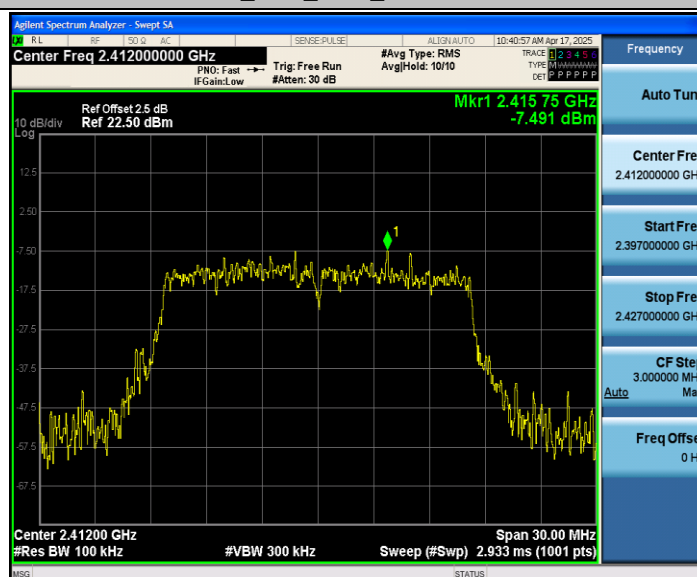
11B_Ant1_2462_30~1000



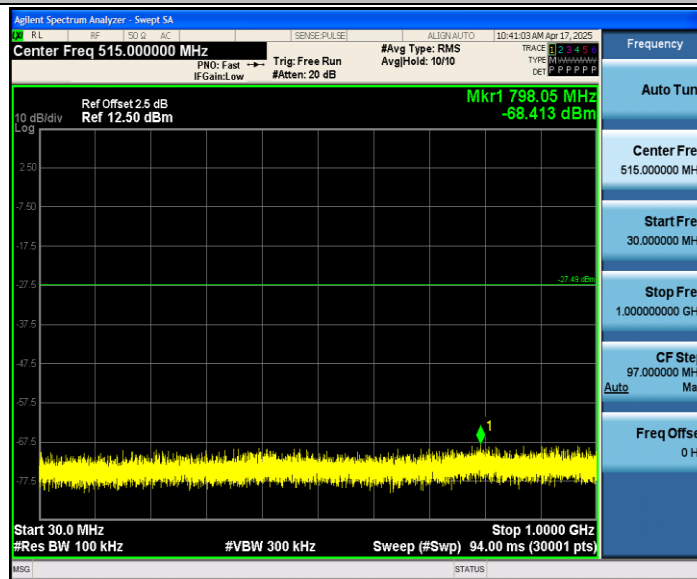
11B_Ant1_2462_1000~26500



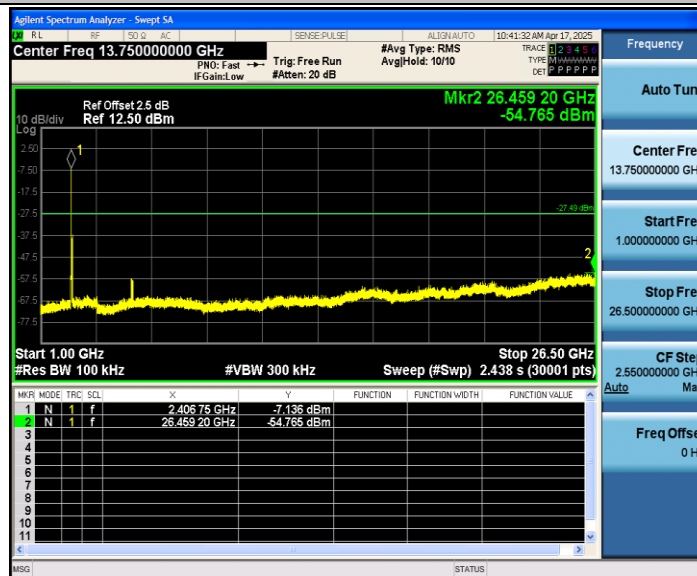
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



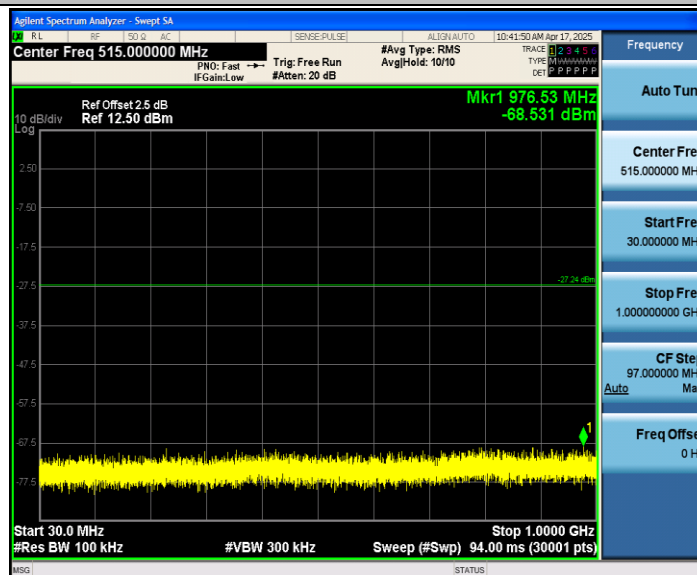
11G_Ant1_2412_1000~26500



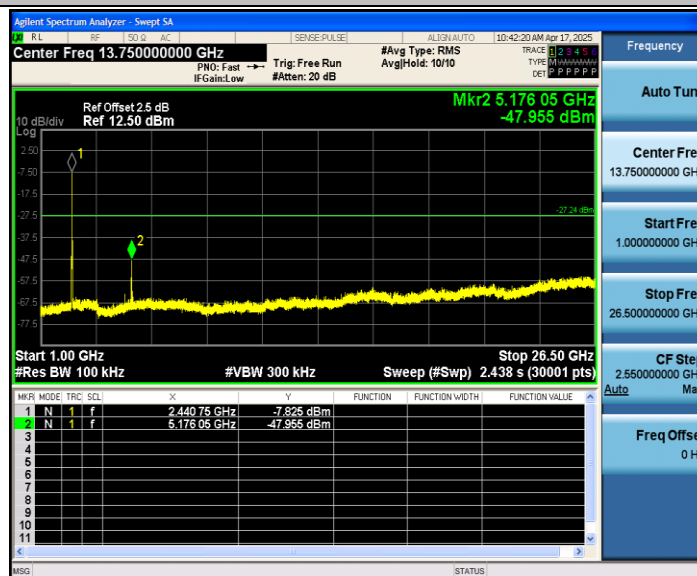
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



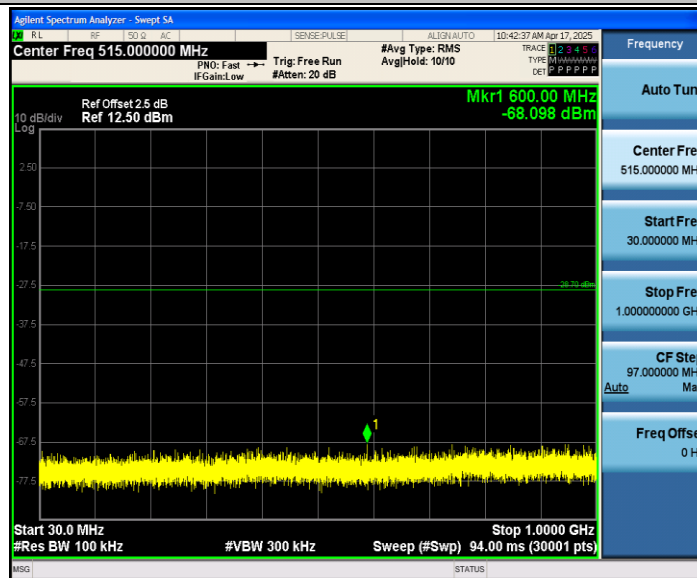
11G_Ant1_2437_1000~26500



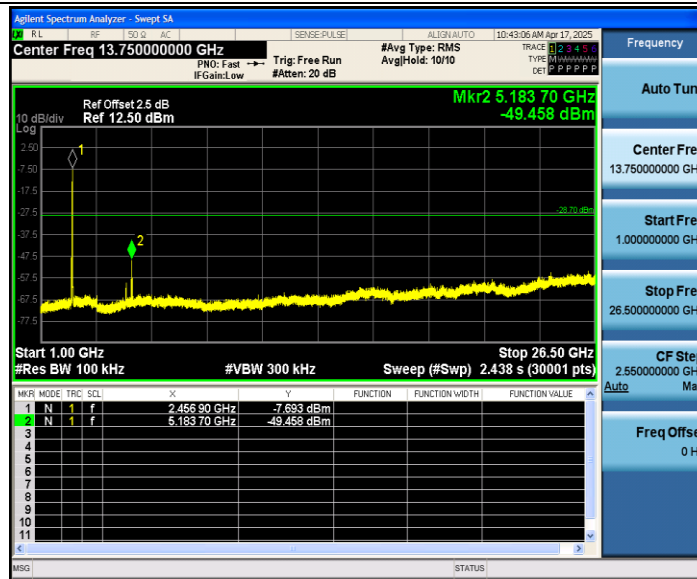
11G_Ant1_2462_0~Reference



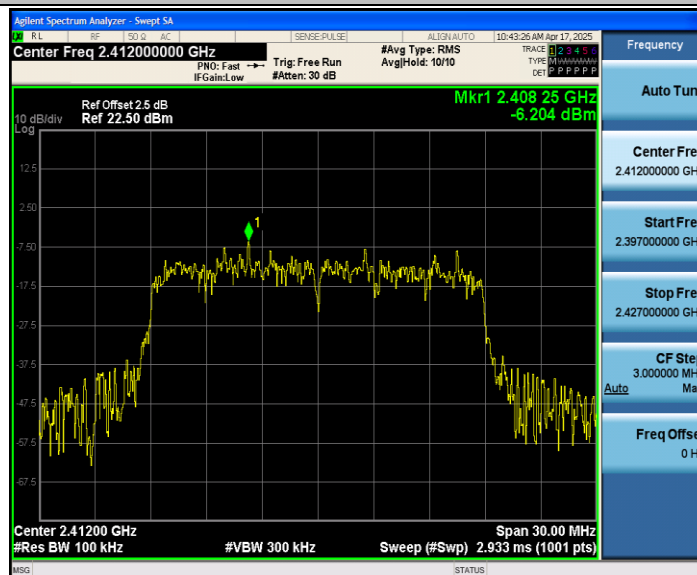
11G_Ant1_2462_30~1000



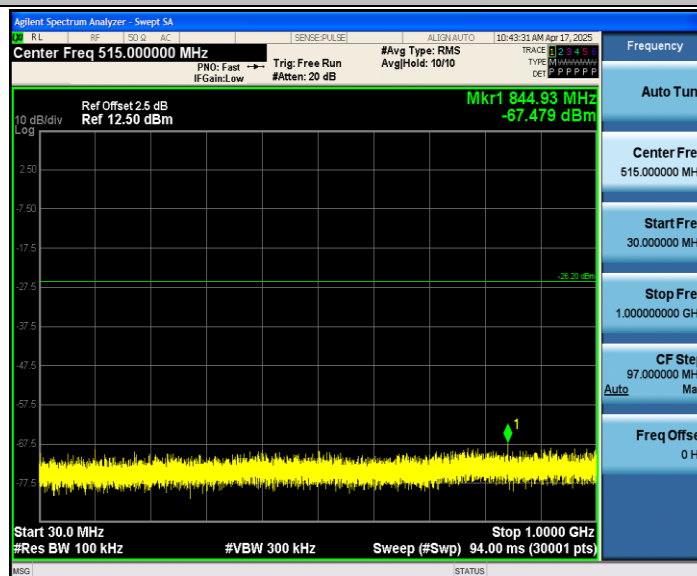
11G_Ant1_2462_1000~26500



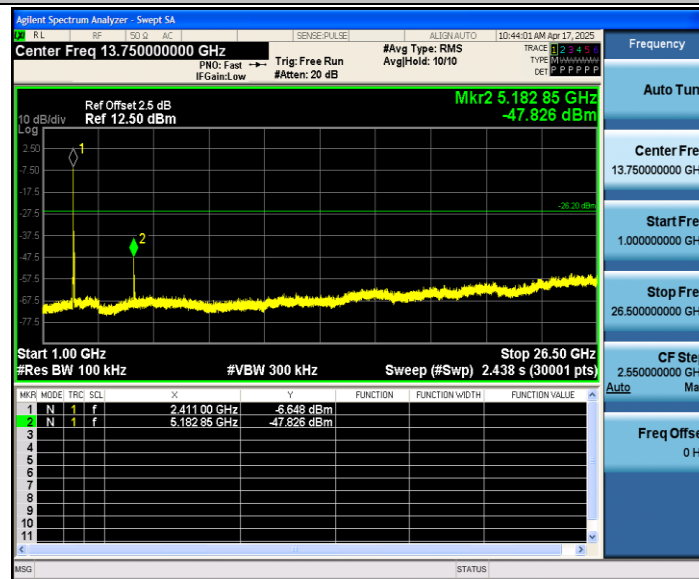
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000