

FCC Appendix RF Test Data

FCC ID : 2BFMG-C91

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

EUT : Magnetic Selfie Screen

Model Number : C91

Report No. : CTA25071000102

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	8.080	2408.960	2417.040	0.5	PASS
		2437	9.600	2431.960	2441.560	0.5	PASS
		2462	8.560	2458.000	2466.560	0.5	PASS
11G	Ant1	2412	13.160	2407.000	2420.160	0.5	PASS
		2437	15.760	2428.840	2444.600	0.5	PASS
		2462	15.680	2454.480	2470.160	0.5	PASS
11N20SISO	Ant1	2412	13.560	2406.960	2420.520	0.5	PASS
		2437	16.120	2428.440	2444.560	0.5	PASS
		2462	15.560	2454.480	2470.040	0.5	PASS
11N40SISO	Ant1	2422	25.040	2409.520	2434.560	0.5	PASS
		2437	35.520	2419.000	2454.520	0.5	PASS
		2452	35.440	2434.480	2469.920	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



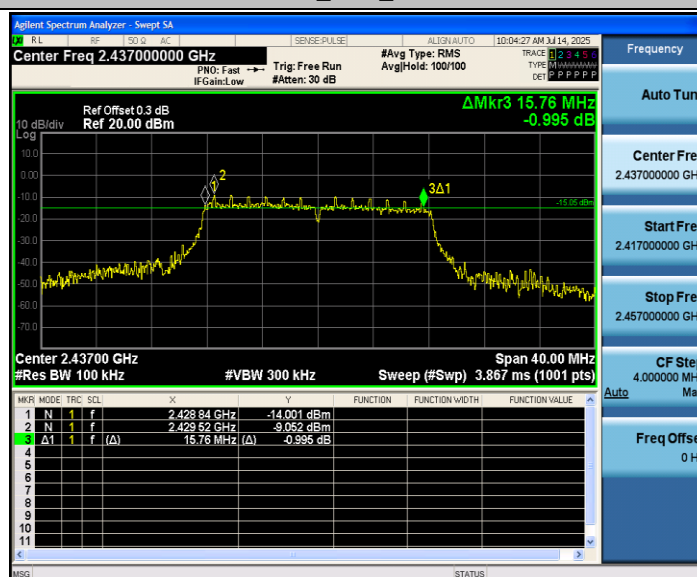
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



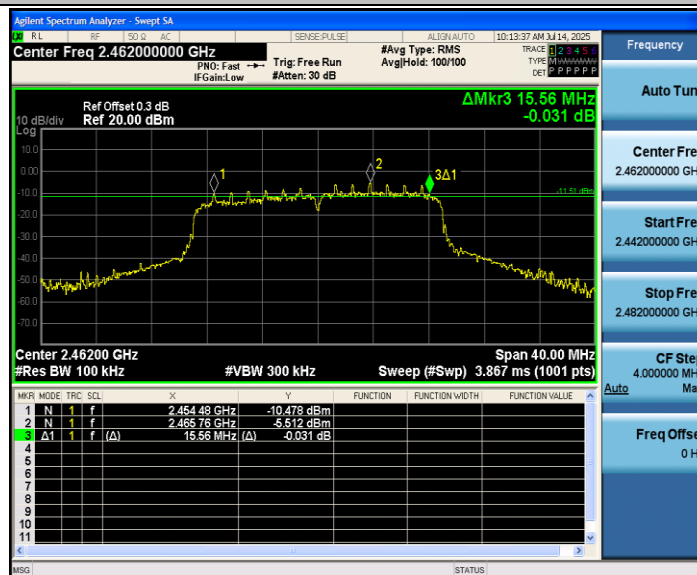
11N20SISO_Ant1_2412



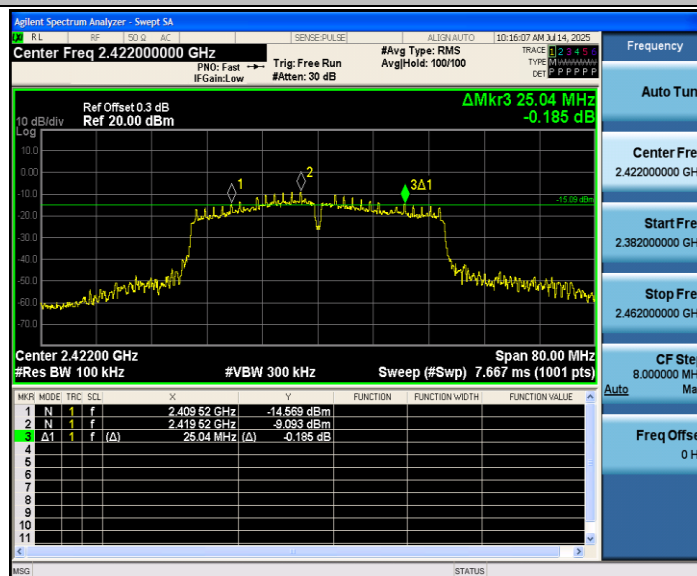
11N20SISO_Ant1_2437



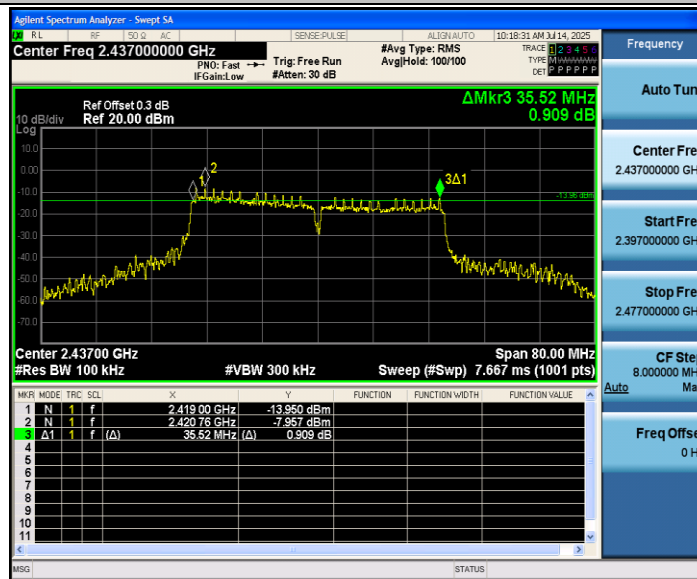
11N20SISO_Ant1_2462



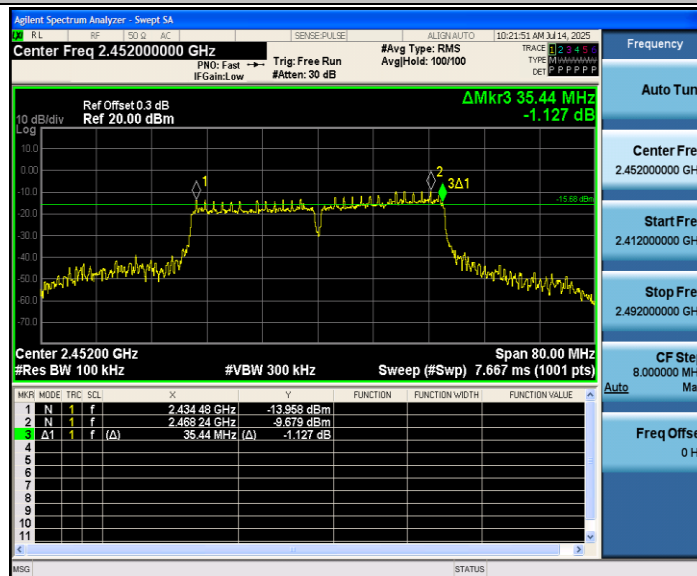
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



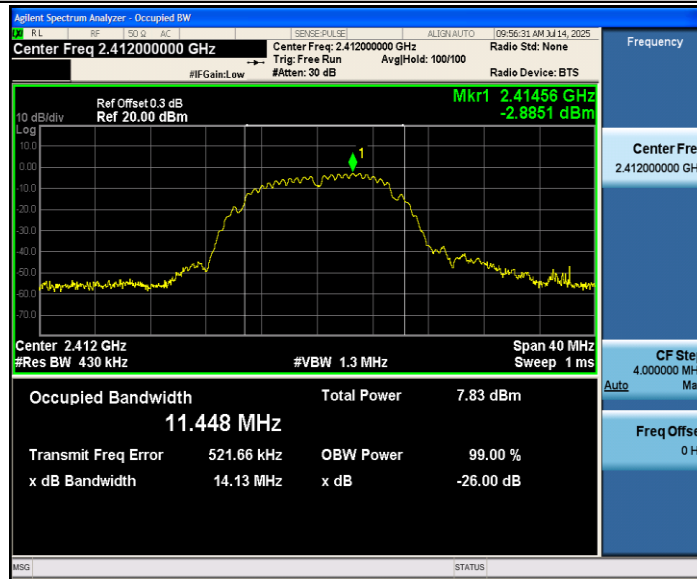
Appendix B: Occupied Channel Bandwidth

Test Result

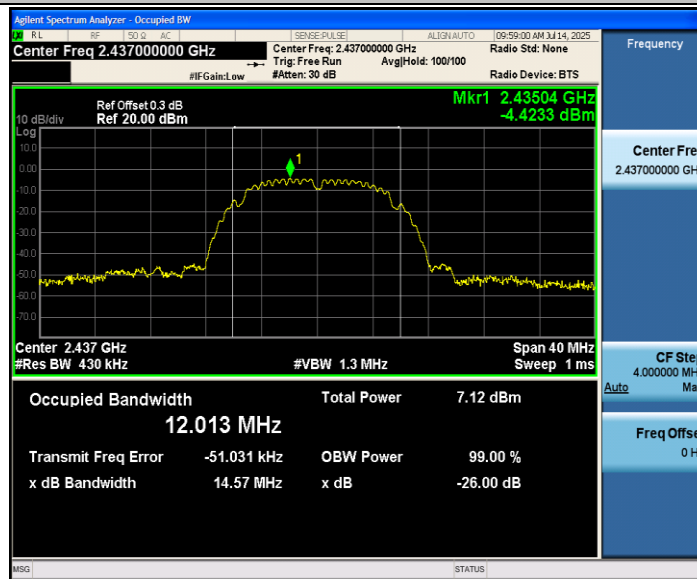
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.448	2406.7977	2418.2457	---	---
		2437	12.013	2430.9425	2442.9555	---	---
		2462	11.617	2456.5089	2468.1259	---	---
11G	Ant1	2412	16.491	2404.0243	2420.5153	---	---
		2437	16.745	2428.5343	2445.2793	---	---
		2462	16.536	2453.8840	2470.4200	---	---
11N20SISO	Ant1	2412	17.402	2403.6024	2421.0044	---	---
		2437	17.835	2427.9867	2445.8217	---	---
		2462	17.502	2453.4222	2470.9242	---	---
11N40SISO	Ant1	2422	35.437	2404.4579	2439.8949	---	---
		2437	36.577	2418.6122	2455.1892	---	---
		2452	36.485	2434.0290	2470.5140	---	---

Test Graphs

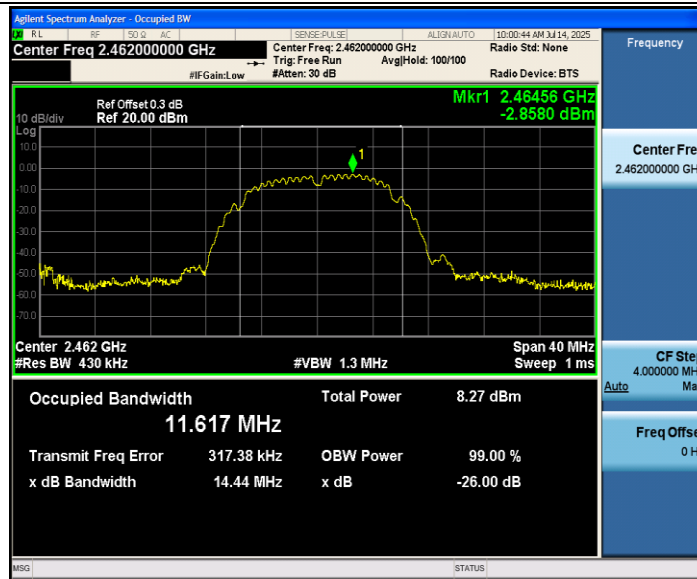
11B_Ant1_2412



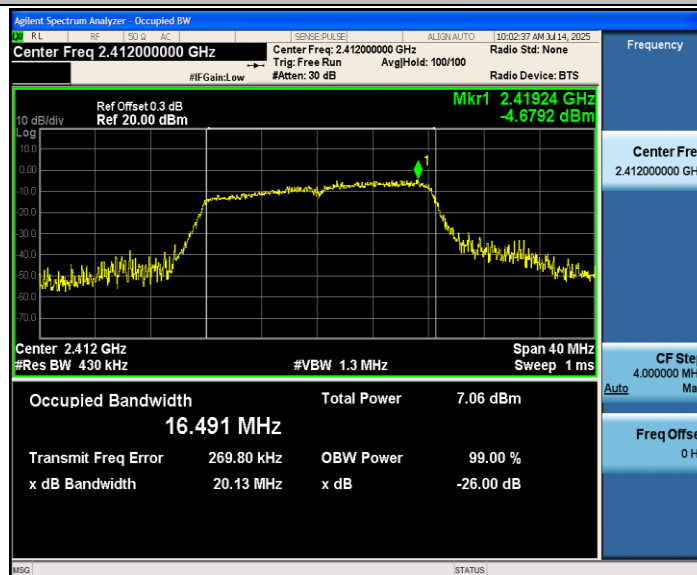
11B_Ant1_2437



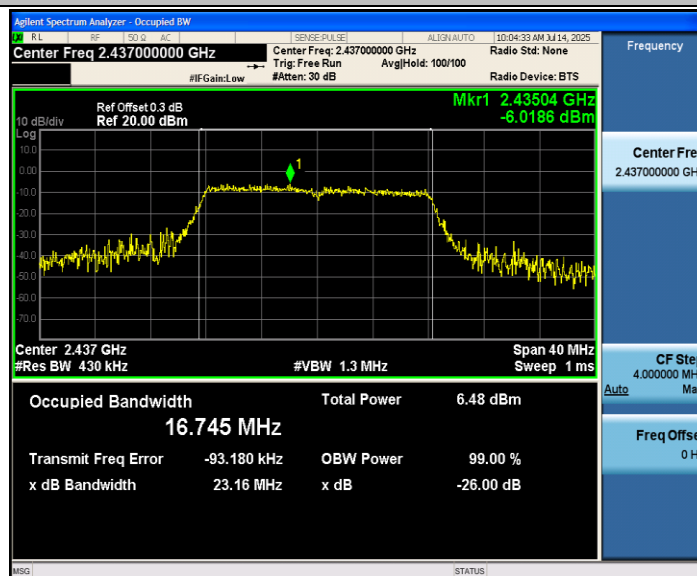
11B_Ant1_2462



11G_Ant1_2412



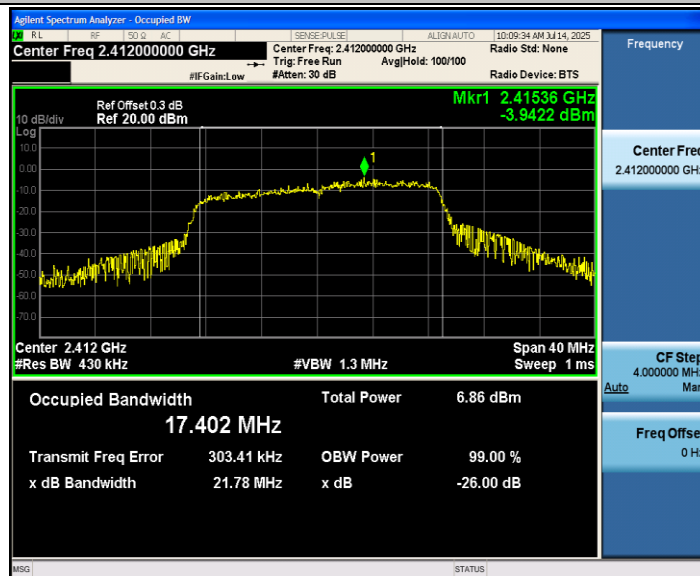
11G_Ant1_2437



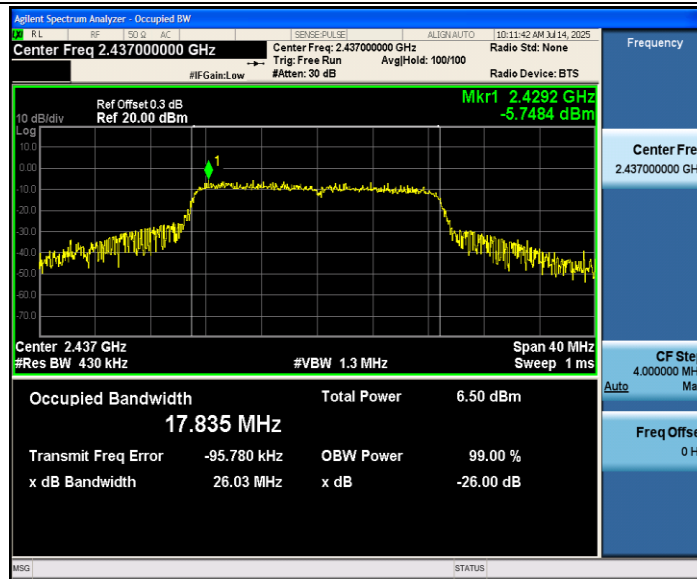
11G_Ant1_2462



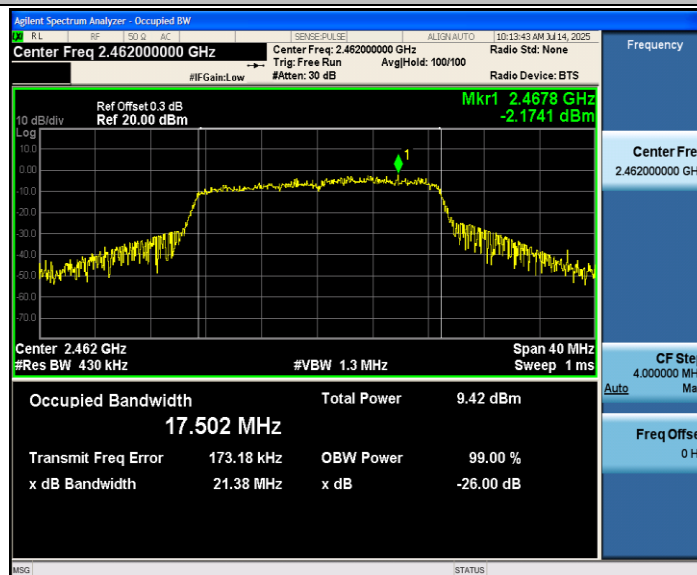
11N20SISO_Ant1_2412



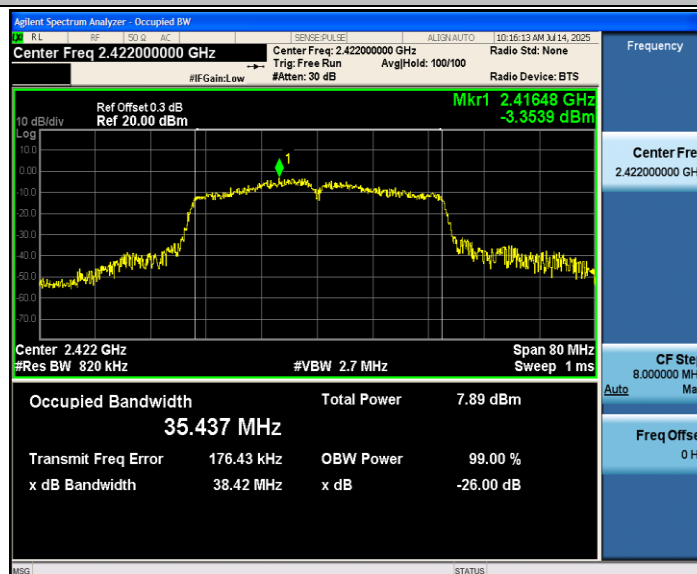
11N20SISO_Ant1_2437



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	7.45	≤30.00	PASS
		2437	7.04	≤30.00	PASS
		2462	7.98	≤30.00	PASS
11G	Ant1	2412	7.53	≤30.00	PASS
		2437	7.17	≤30.00	PASS
		2462	7.80	≤30.00	PASS
11N20SISO	Ant1	2412	7.24	≤30.00	PASS
		2437	7.02	≤30.00	PASS
		2462	7.77	≤30.00	PASS
11N40SISO	Ant1	2422	7.41	≤30.00	PASS
		2437	6.89	≤30.00	PASS
		2452	7.86	≤30.00	PASS

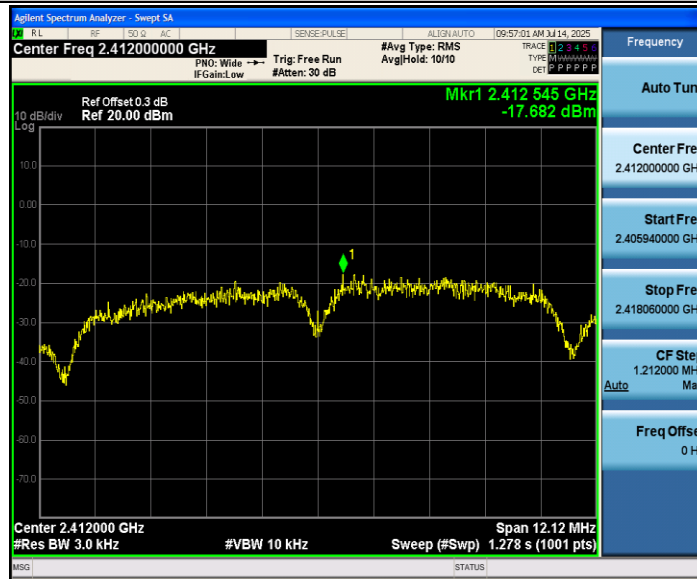
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.68	≤8.00	PASS
		2437	-18.30	≤8.00	PASS
		2462	-16.92	≤8.00	PASS
11G	Ant1	2412	-23.37	≤8.00	PASS
		2437	-24.40	≤8.00	PASS
		2462	-20.73	≤8.00	PASS
11N20SISO	Ant1	2412	-22.74	≤8.00	PASS
		2437	-23.55	≤8.00	PASS
		2462	-20.16	≤8.00	PASS
11N40SISO	Ant1	2422	-23.75	≤8.00	PASS
		2437	-23.36	≤8.00	PASS
		2452	-23.49	≤8.00	PASS

Test Graphs

11B_Ant1_2412



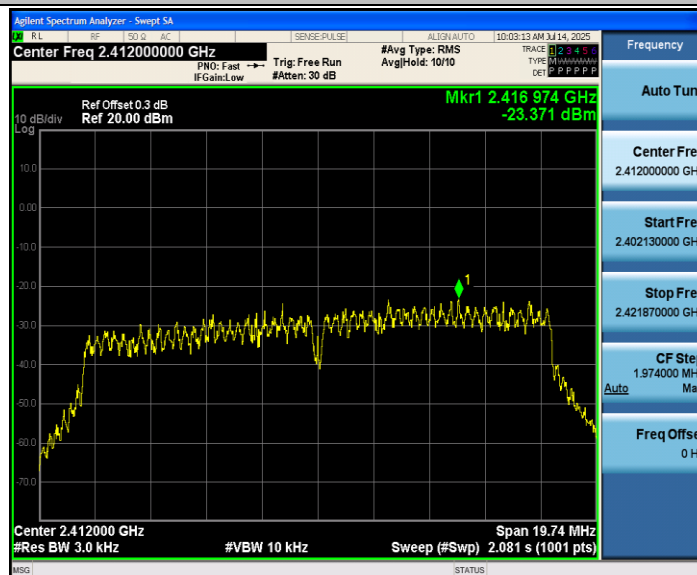
11B_Ant1_2437



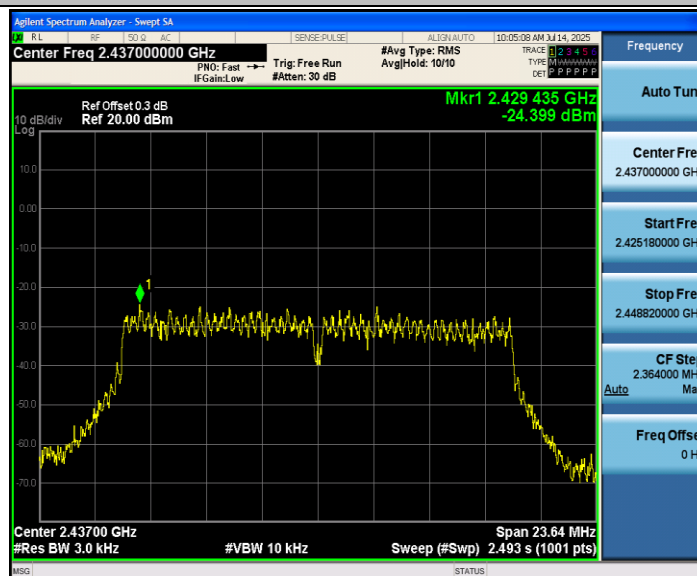
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



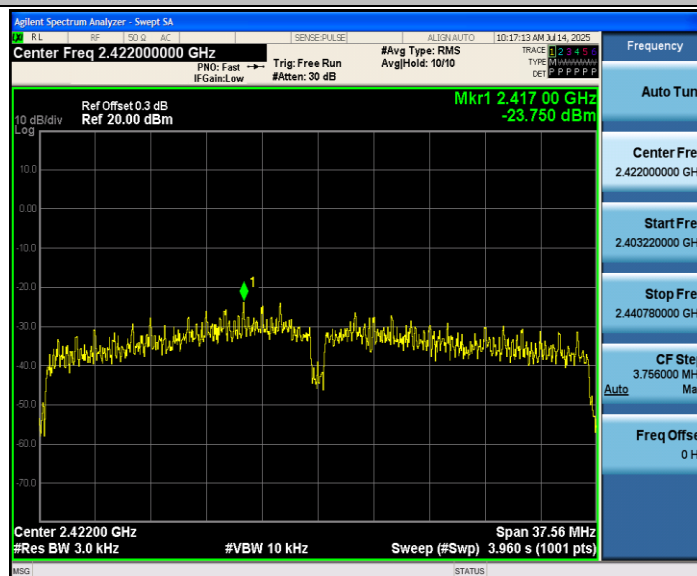
11N20SISO_Ant1_2437



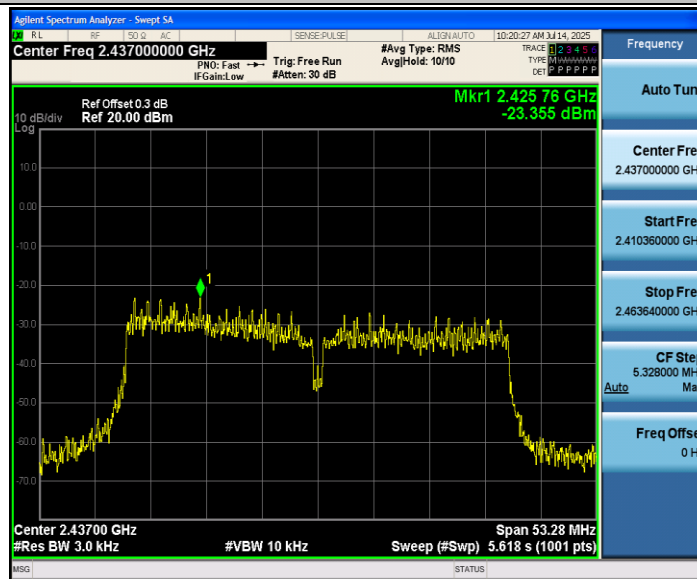
11N20SISO_Ant1_2462



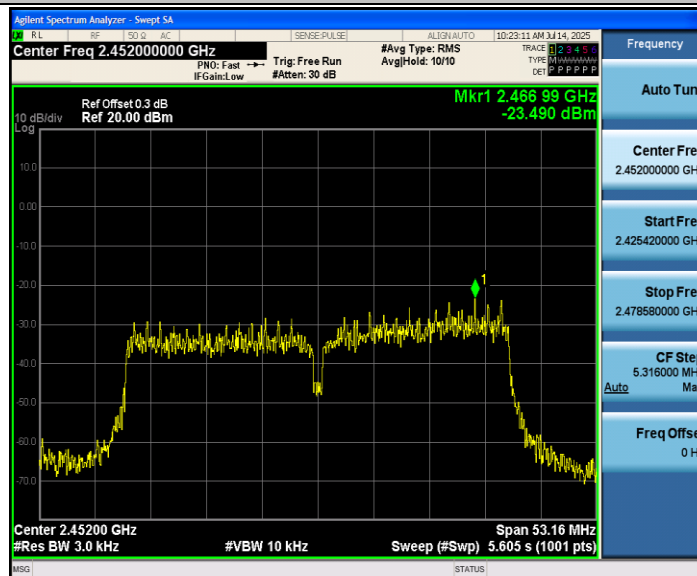
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



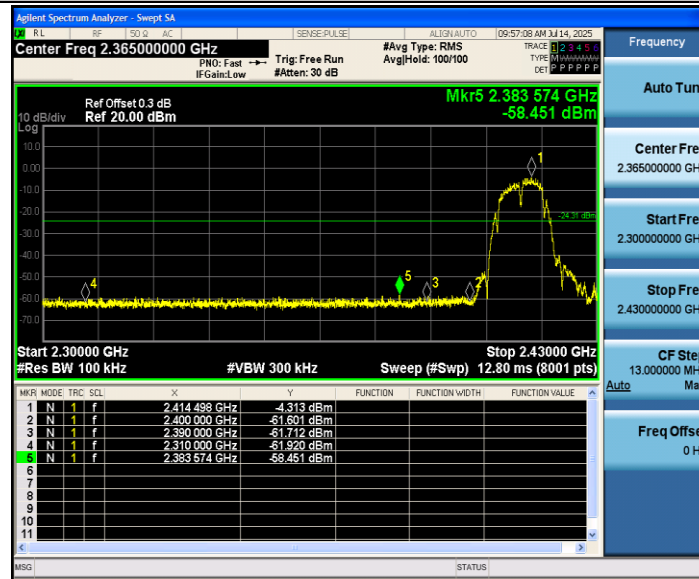
Appendix E: Band edge measurements

Test Result

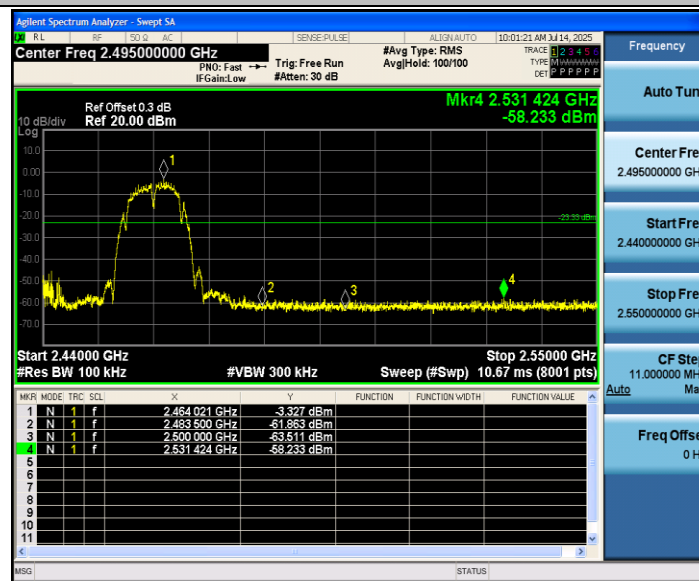
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-4.31	-58.45	≤-24.31	PASS
		High	2462	-3.33	-58.23	≤-23.33	PASS
11G	Ant1	Low	2412	-7.80	-47.88	≤-27.8	PASS
		High	2462	-5.57	-55.91	≤-25.57	PASS
11N20SISO	Ant1	Low	2412	-7.53	-47.47	≤-27.53	PASS
		High	2462	-5.54	-54.01	≤-25.54	PASS
11N40SISO	Ant1	Low	2422	-8.88	-47.71	≤-28.88	PASS
		High	2452	-9.74	-47.45	≤-29.74	PASS

Test Graphs

11B_Ant1_Low_2412



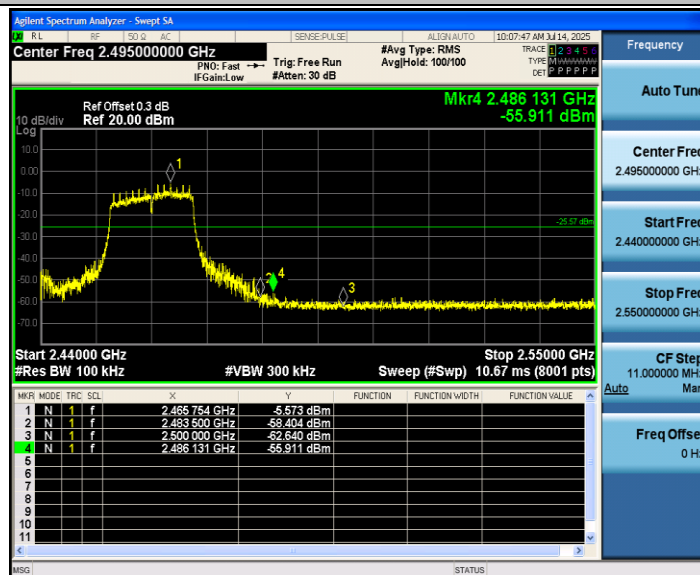
11B_Ant1_High_2462



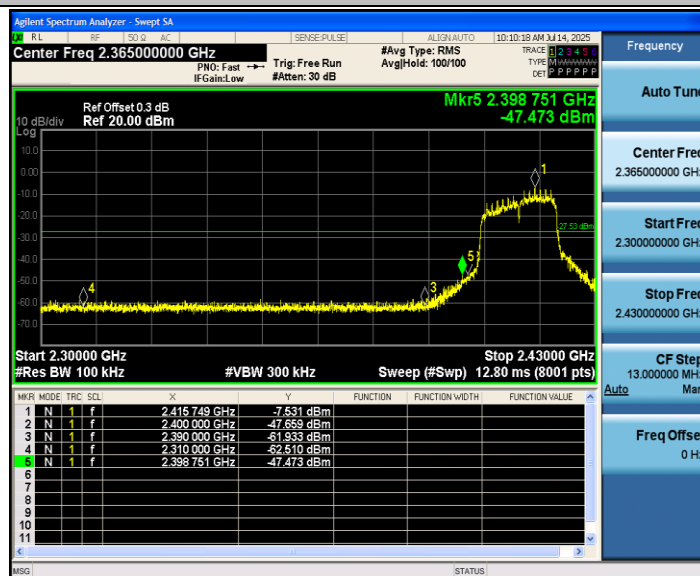
11G_Ant1_Low_2412



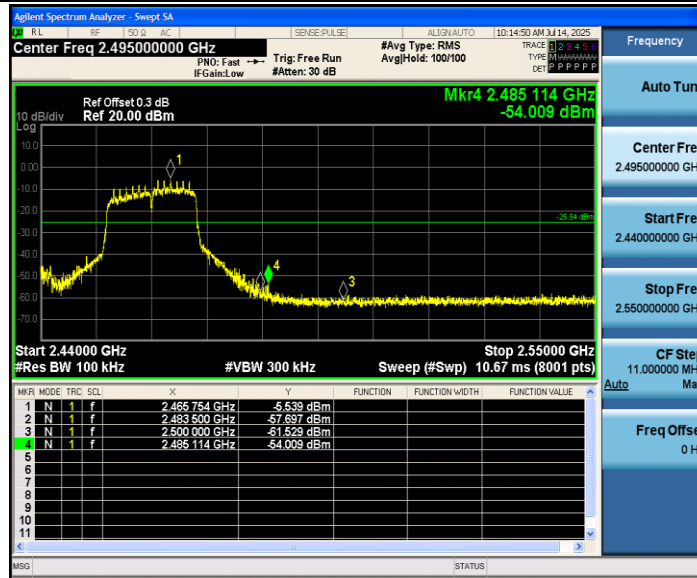
11G_Ant1_High_2462



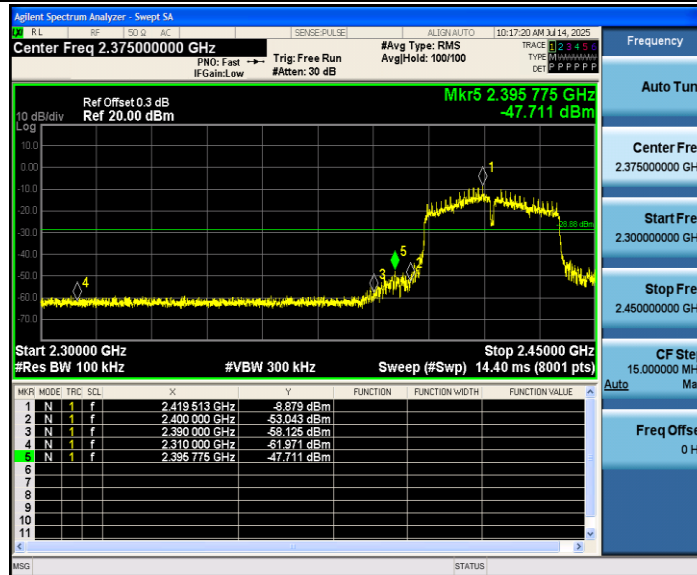
11N20SISO_Ant1_Low_2412



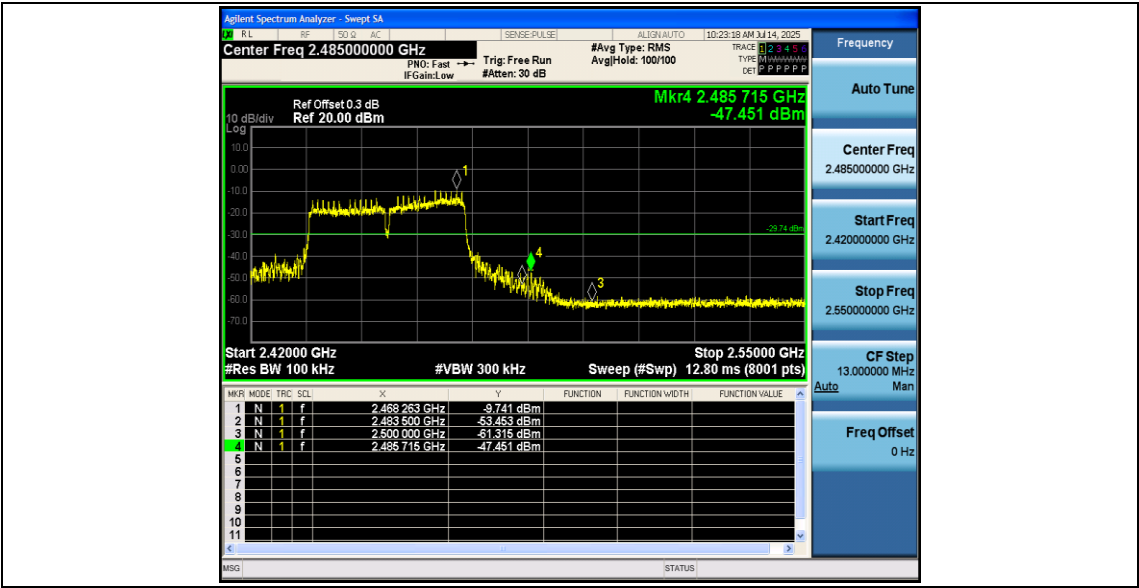
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

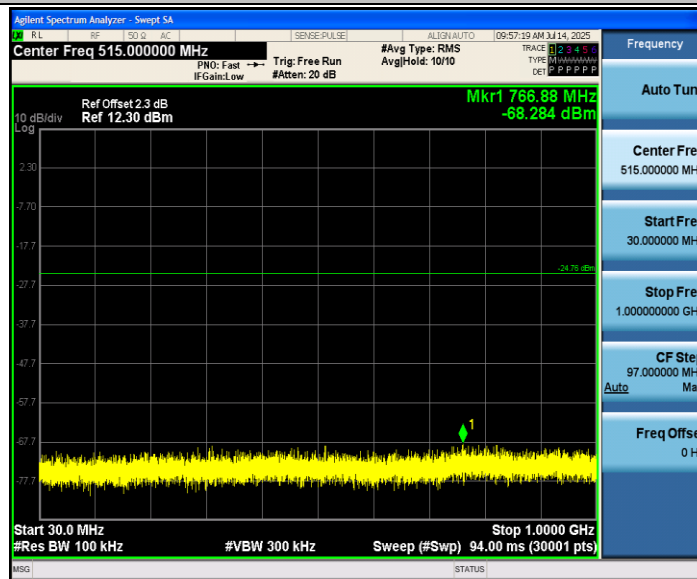
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-4.76	-4.76	---	PASS
			30~1000	-4.76	-68.28	≤-24.76	PASS
			1000~26500	-4.76	-52.52	≤-24.76	PASS
		2437	Reference	-6.97	-6.97	---	PASS
			30~1000	-6.97	-68.17	≤-26.97	PASS
			1000~26500	-6.97	-49.94	≤-26.97	PASS
		2462	Reference	-5.42	-5.42	---	PASS
			30~1000	-5.42	-68.77	≤-25.42	PASS
			1000~26500	-5.42	-54.84	≤-25.42	PASS
11G	Ant1	2412	Reference	-9.18	-9.18	---	PASS
			30~1000	-9.18	-68.07	≤-29.18	PASS
			1000~26500	-9.18	-48.65	≤-29.18	PASS
		2437	Reference	-9.42	-9.42	---	PASS
			30~1000	-9.42	-68.19	≤-29.42	PASS
			1000~26500	-9.42	-54.59	≤-29.42	PASS
		2462	Reference	-6.04	-6.04	---	PASS
			30~1000	-6.04	-68.1	≤-26.04	PASS
			1000~26500	-6.04	-42.19	≤-26.04	PASS
11N20SISO	Ant1	2412	Reference	-8.01	-8.01	---	PASS
			30~1000	-8.01	-68.12	≤-28.01	PASS
			1000~26500	-8.01	-54.9	≤-28.01	PASS
		2437	Reference	-9.12	-9.12	---	PASS
			30~1000	-9.12	-65.94	≤-29.12	PASS
			1000~26500	-9.12	-47.77	≤-29.12	PASS
		2462	Reference	-6.04	-6.04	---	PASS
			30~1000	-6.04	-67.51	≤-26.04	PASS
			1000~26500	-6.04	-55.41	≤-26.04	PASS
11N40SISO	Ant1	2422	Reference	-9.45	-9.45	---	PASS
			30~1000	-9.45	-68.28	≤-29.45	PASS
			1000~26500	-9.45	-43.55	≤-29.45	PASS
		2437	Reference	-8.39	-8.39	---	PASS
			30~1000	-8.39	-67.92	≤-28.39	PASS
			1000~26500	-8.39	-54.65	≤-28.39	PASS
		2452	Reference	-9.84	-9.84	---	PASS
			30~1000	-9.84	-68.7	≤-29.84	PASS
			1000~26500	-9.84	-50.3	≤-29.84	PASS

Test Graphs

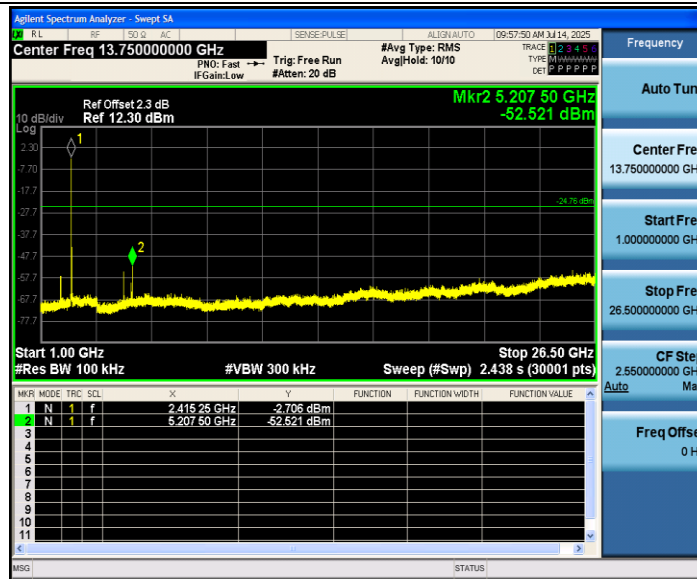
11B_Ant1_2412_0~Reference



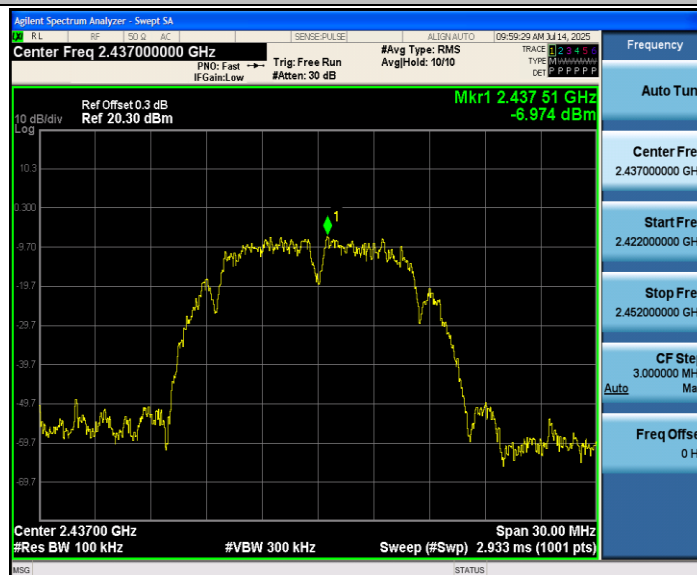
11B_Ant1_2412_30~1000



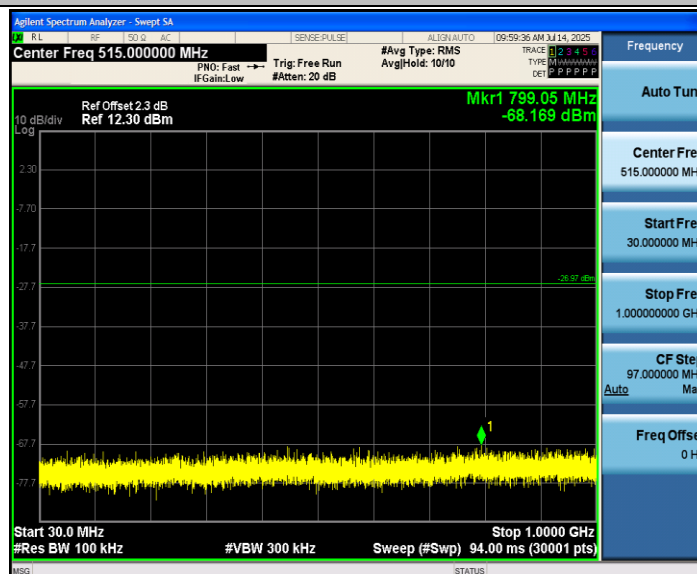
11B_Ant1_2412_1000~26500



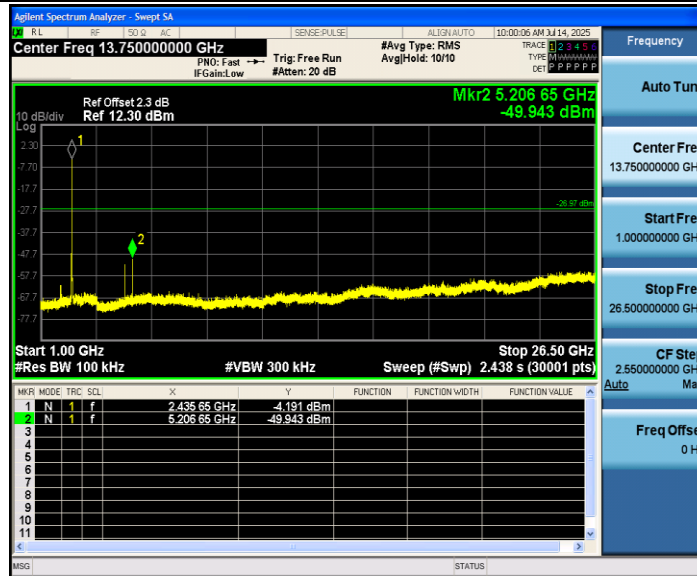
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



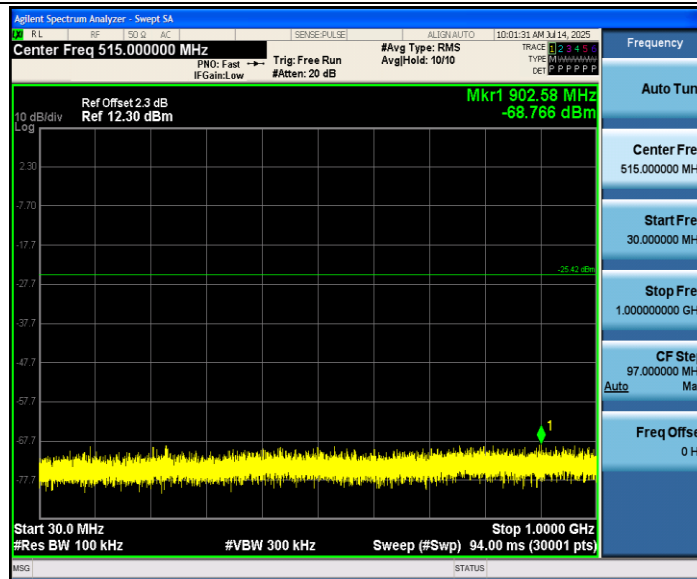
11B_Ant1_2437_1000~26500



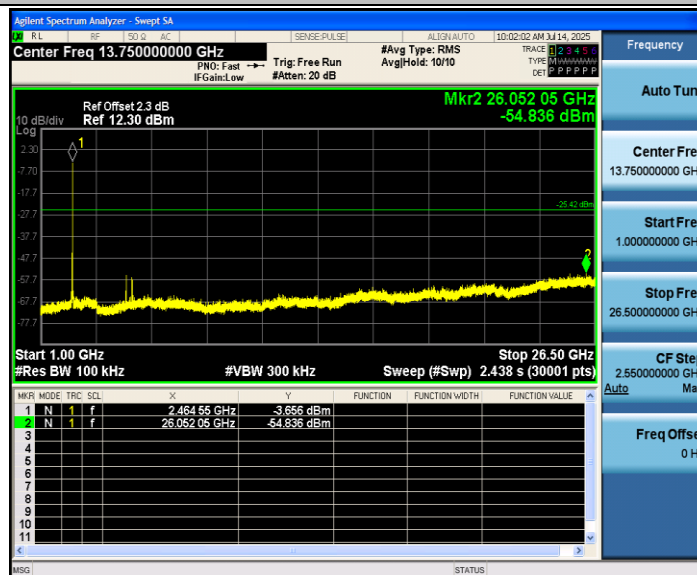
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



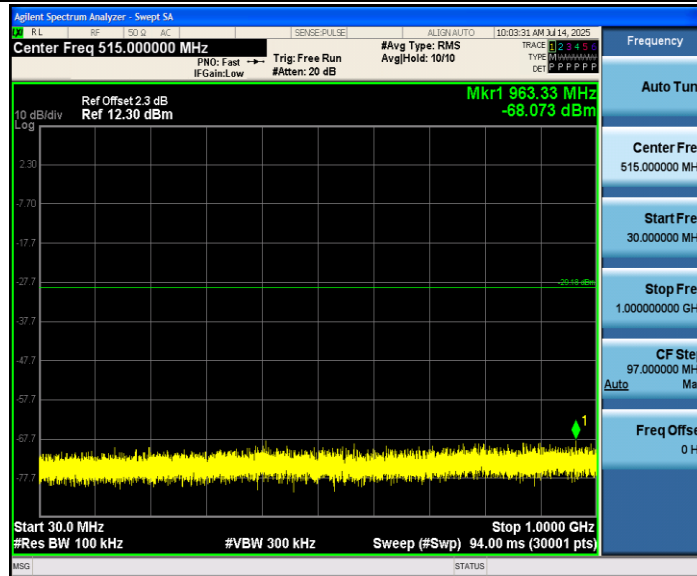
11B_Ant1_2462_1000~26500



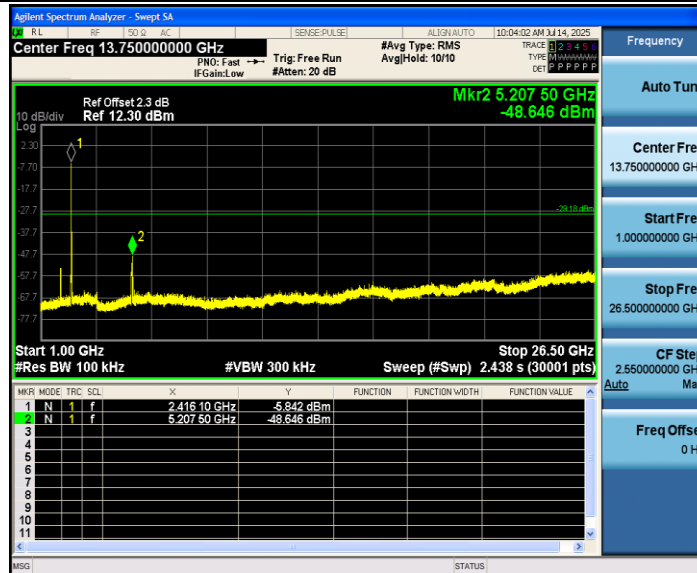
11G_Ant1_2412_0~Reference



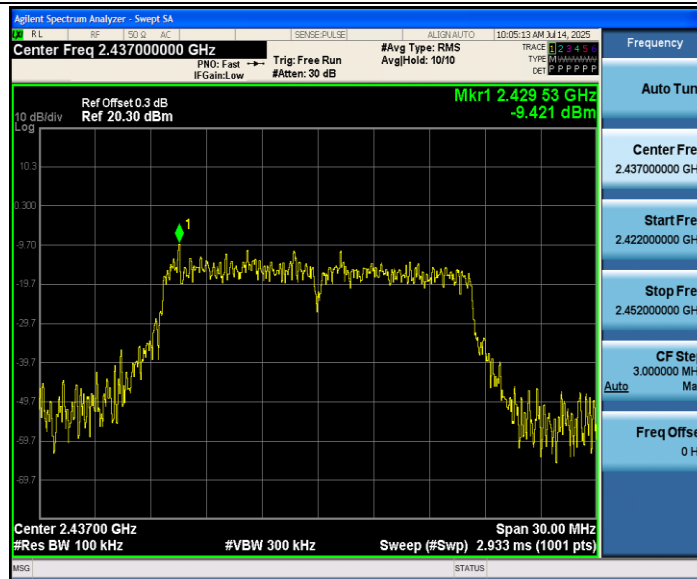
11G_Ant1_2412_30~1000



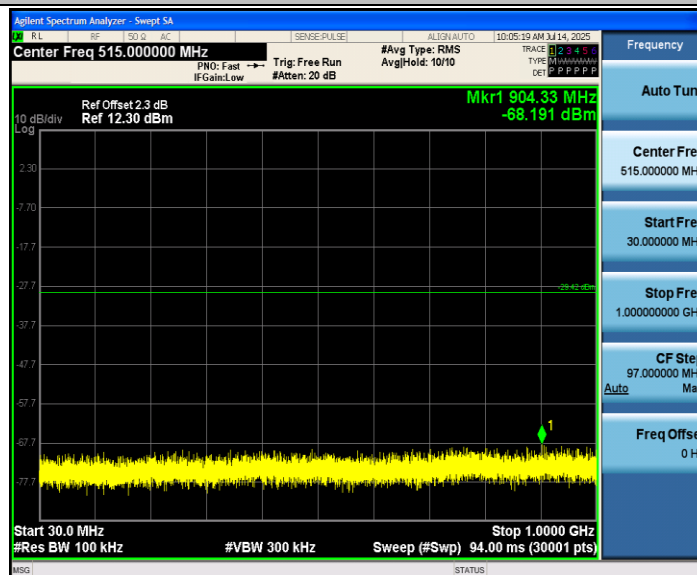
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

