

Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BRHB-DC10

Company : Shenzhen SelectCam Technology Co., Ltd.

EUT : 4G Dashcam

Model Number : DC10

Report No. : CTA25072200209

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	8.560	2408.480	2417.040	0.5	PASS
		2437	9.600	2431.960	2441.560	0.5	PASS
		2462	8.640	2457.960	2466.600	0.5	PASS
11G	Ant1	2412	12.840	2407.000	2419.840	0.5	PASS
		2437	15.920	2428.840	2444.760	0.5	PASS
		2462	15.440	2454.480	2469.920	0.5	PASS
11N20SISO	Ant1	2412	13.120	2406.960	2420.080	0.5	PASS
		2437	16.080	2428.480	2444.560	0.5	PASS
		2462	15.600	2454.480	2470.080	0.5	PASS
11N40SISO	Ant1	2422	24.960	2409.520	2434.480	0.5	PASS
		2437	35.520	2419.000	2454.520	0.5	PASS
		2452	35.120	2434.480	2469.600	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



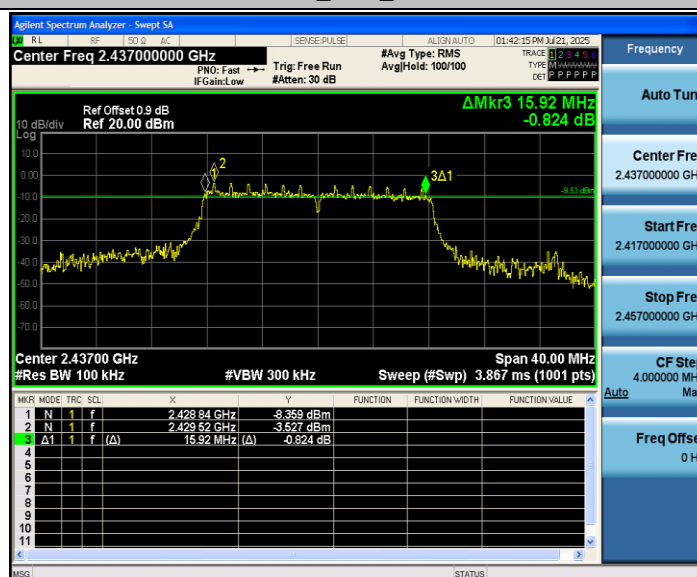
11B_Ant1_2462



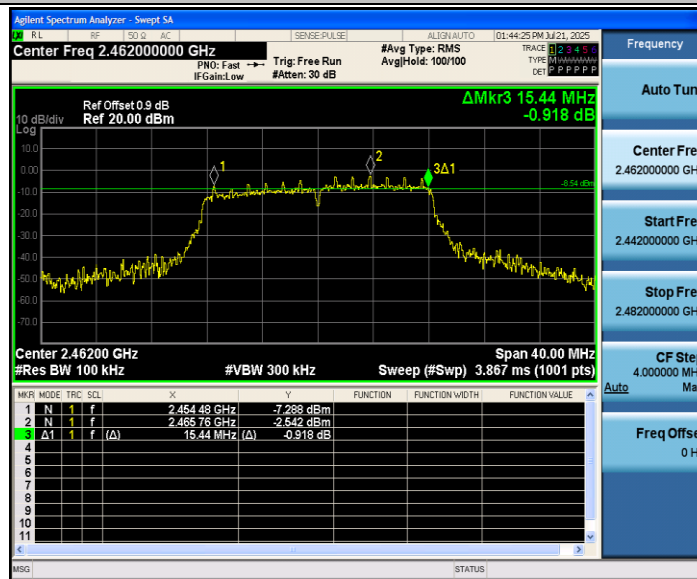
11G_Ant1_2412



11G_Ant1_2437



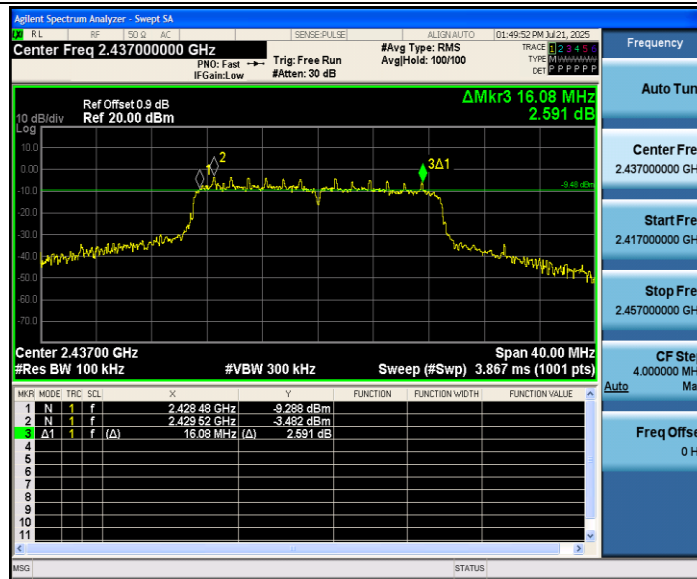
11G_Ant1_2462



11N20SISO_Ant1_2412



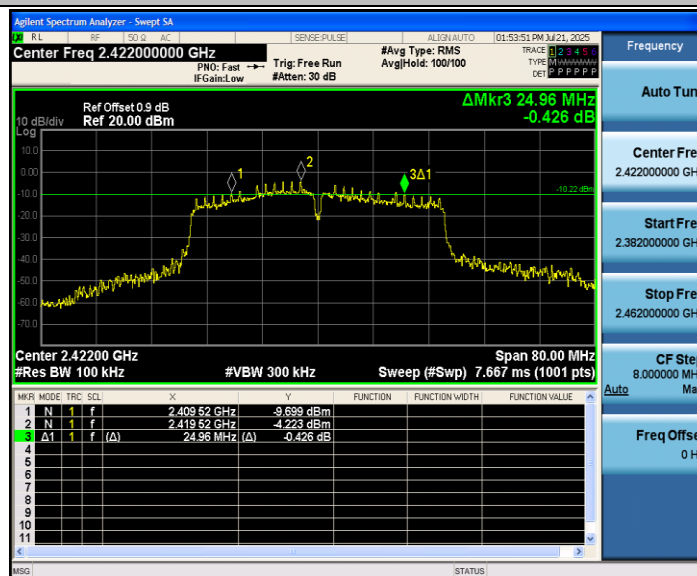
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



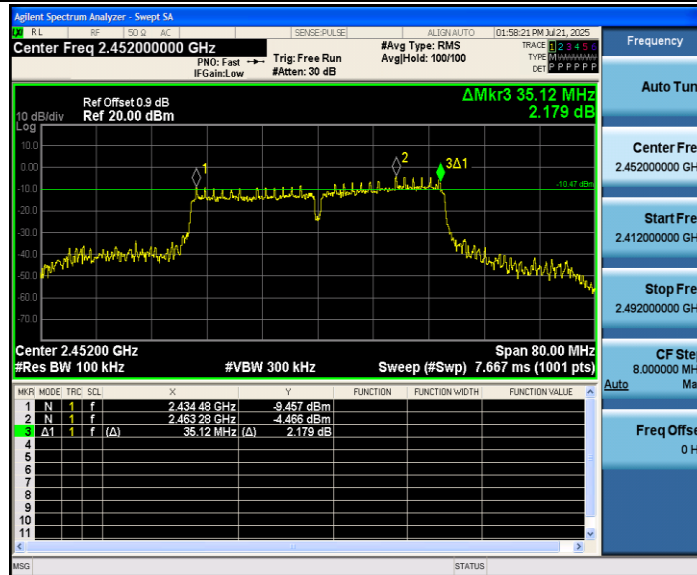
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix B: Occupied Channel Bandwidth

Test Result

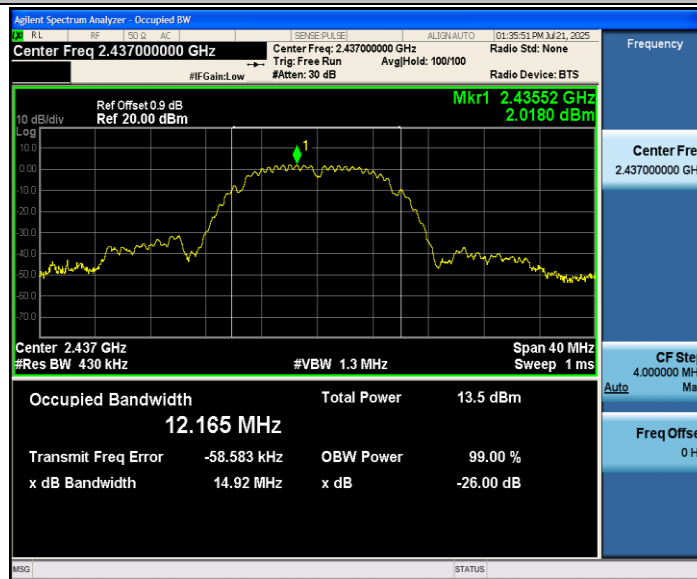
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.082	2406.8563	2418.9383	---	---
		2437	12.165	2430.8589	2443.0239	---	---
		2462	11.573	2456.5529	2468.1259	---	---
11G	Ant1	2412	16.589	2404.0382	2420.6272	---	---
		2437	16.841	2428.4663	2445.3073	---	---
		2462	16.405	2453.9335	2470.3385	---	---
11N20SISO	Ant1	2412	17.509	2403.5693	2421.0783	---	---
		2437	17.877	2427.9220	2445.7990	---	---
		2462	17.521	2453.3733	2470.8943	---	---
11N40SISO	Ant1	2422	35.390	2404.4523	2439.8423	---	---
		2437	36.779	2418.4466	2455.2256	---	---
		2452	36.452	2434.0224	2470.4744	---	---

Test Graphs

11B_Ant1_2412



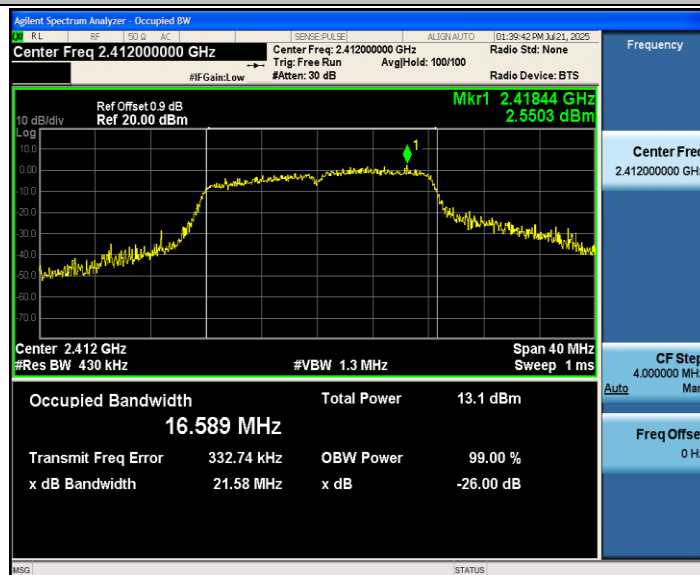
11B_Ant1_2437



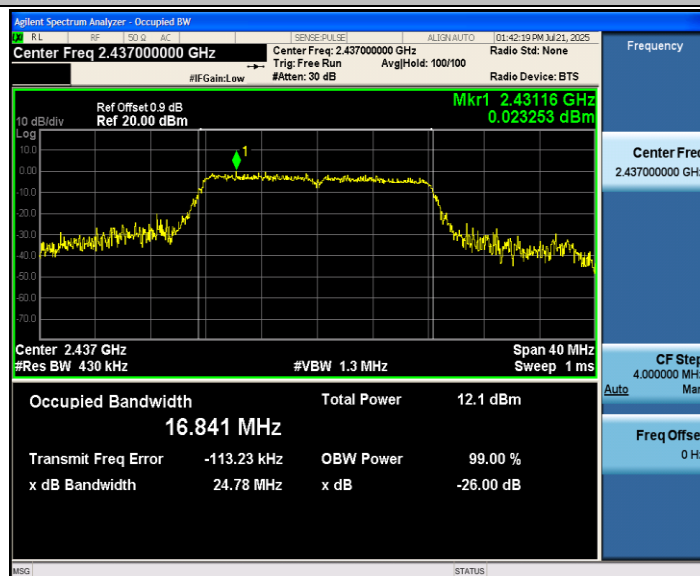
11B_Ant1_2462



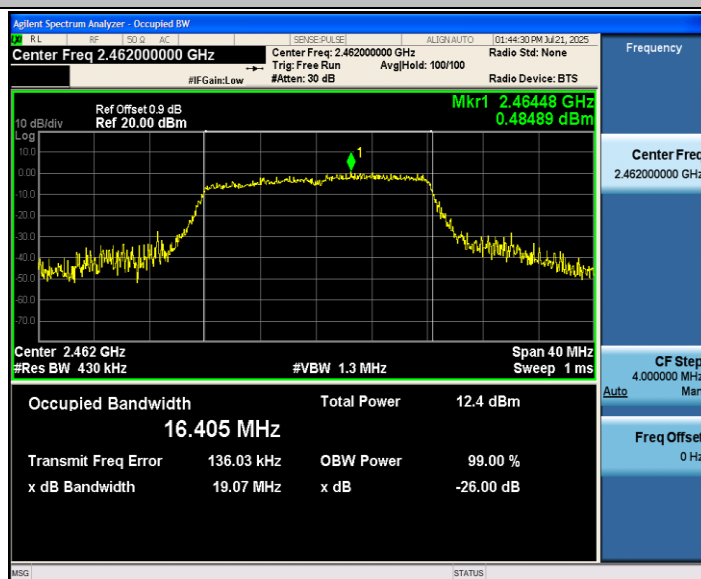
11G_Ant1_2412



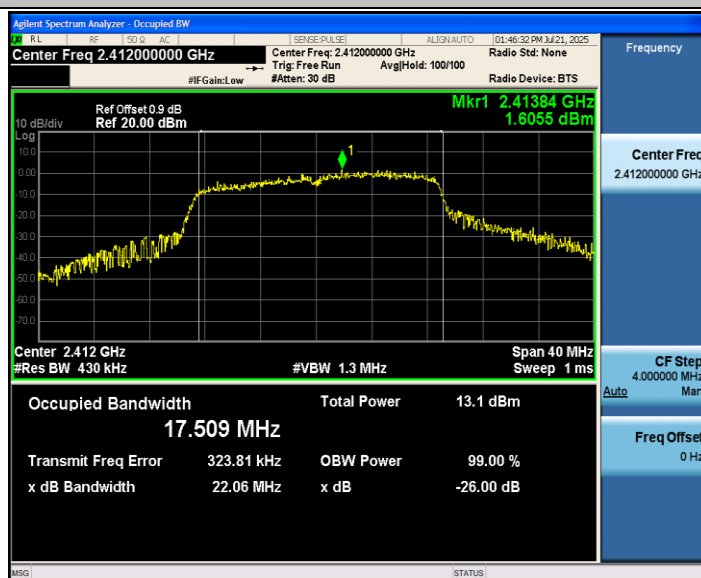
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



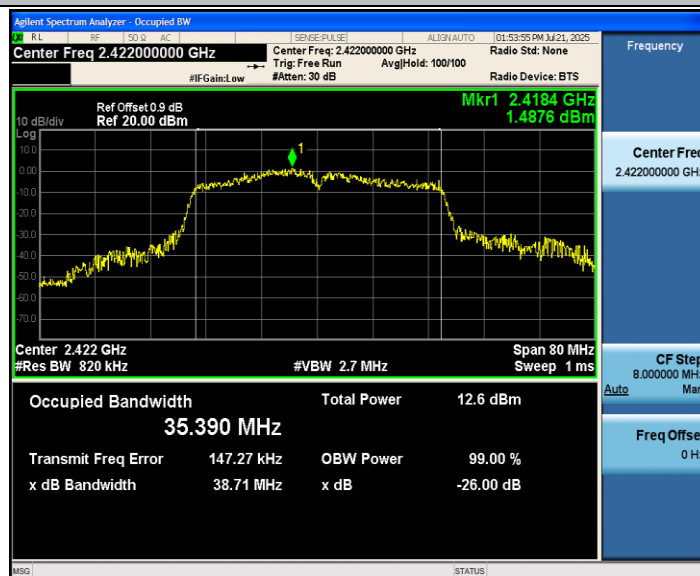
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



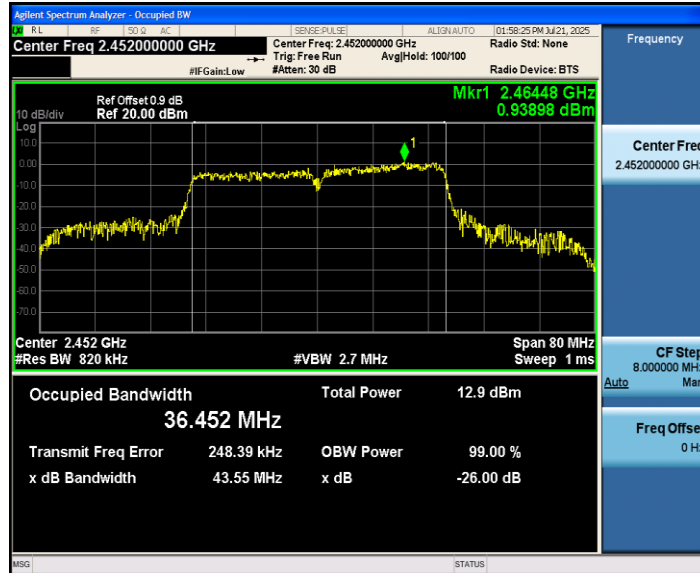
11N40SISO_Ant1_2422



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	14.58	≤30.00	PASS
		2437	13.44	≤30.00	PASS
		2462	13.69	≤30.00	PASS
11G	Ant1	2412	13.45	≤30.00	PASS
		2437	12.86	≤30.00	PASS
		2462	13.10	≤30.00	PASS
11N20SISO	Ant1	2412	13.34	≤30.00	PASS
		2437	12.64	≤30.00	PASS
		2462	12.77	≤30.00	PASS
11N40SISO	Ant1	2422	12.11	≤30.00	PASS
		2437	12.47	≤30.00	PASS
		2452	12.93	≤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	-10.03	≤8.00	PASS
		2437	-12.41	≤8.00	PASS
		2462	-12.25	≤8.00	PASS
11G	Ant1	2412	-17.46	≤8.00	PASS
		2437	-19.25	≤8.00	PASS
		2462	-17.23	≤8.00	PASS
11N20SISO	Ant1	2412	-17.03	≤8.00	PASS
		2437	-17.83	≤8.00	PASS
		2462	-18.06	≤8.00	PASS
11N40SISO	Ant1	2422	-18.21	≤8.00	PASS
		2437	-19.20	≤8.00	PASS
		2452	-19.33	≤8.00	PASS

Test Graphs

11B_Ant1_2412



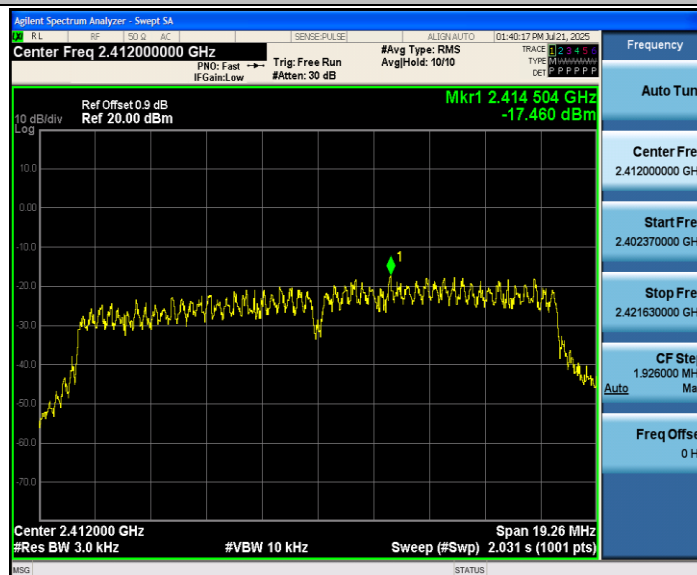
11B_Ant1_2437



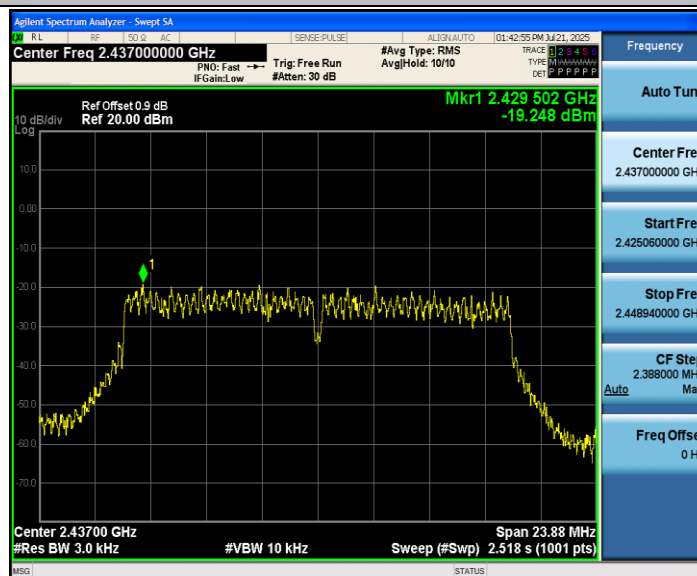
11B_Ant1_2462



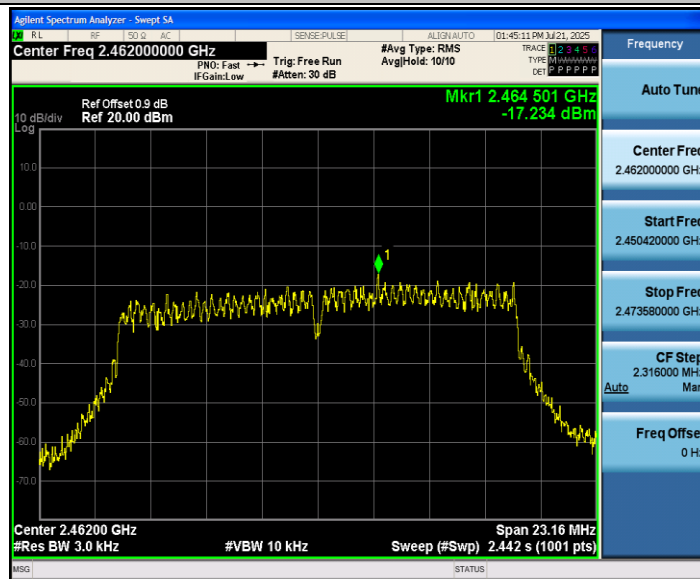
11G_Ant1_2412



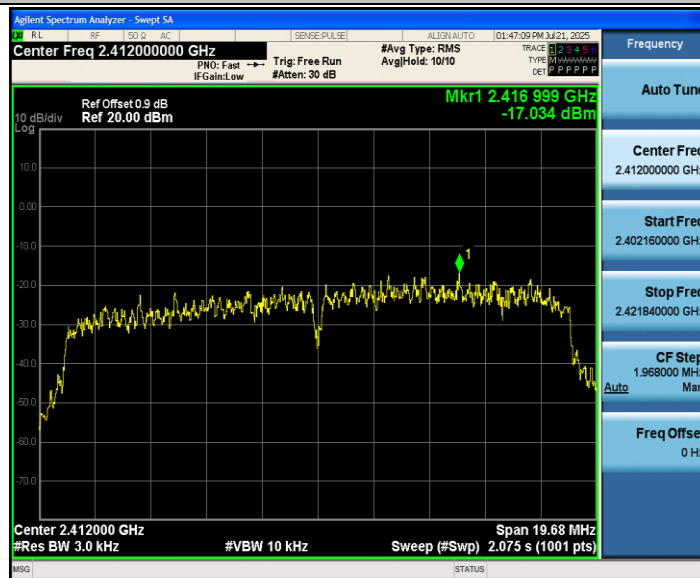
11G_Ant1_2437



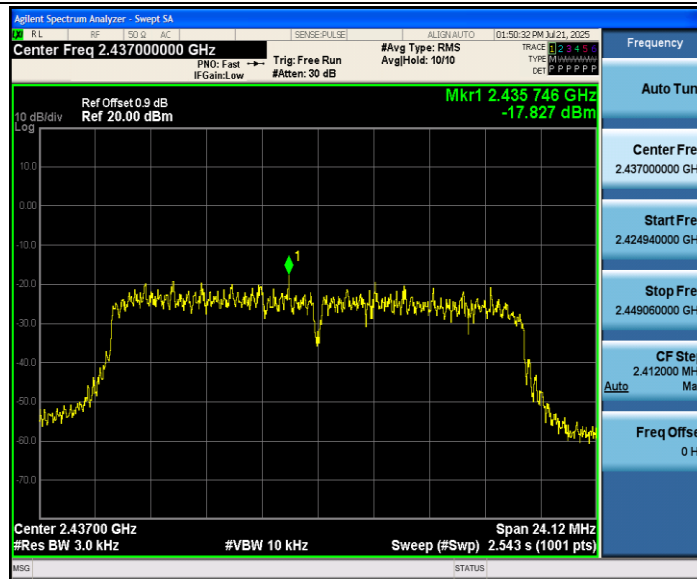
11G_Ant1_2462



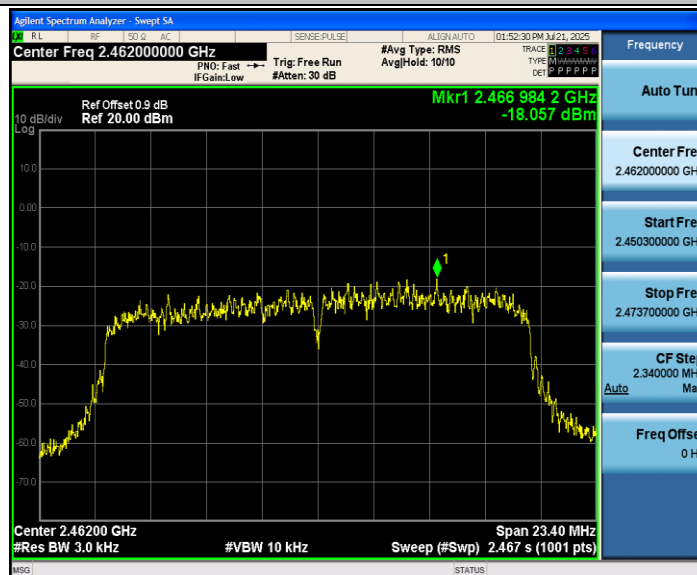
11N20SISO_Ant1_2412



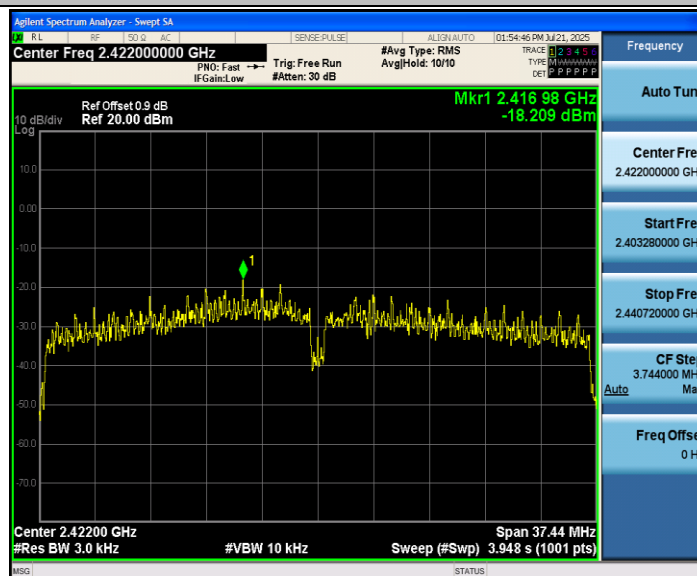
11N20SISO_Ant1_2437



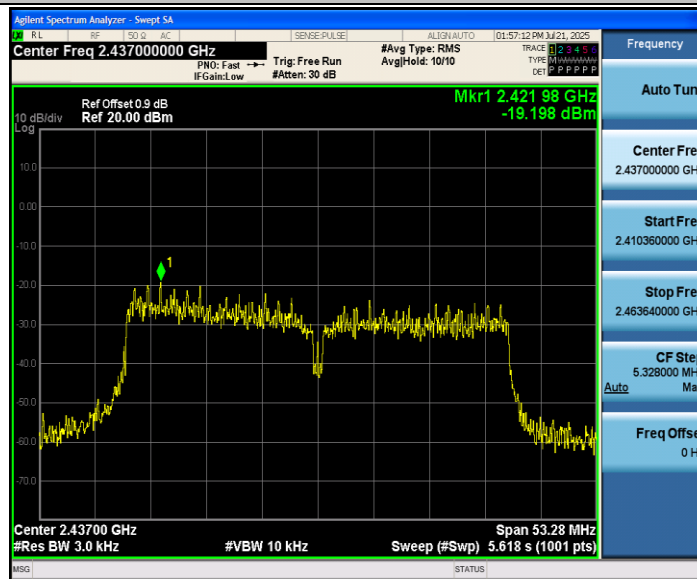
11N20SISO_Ant1_2462



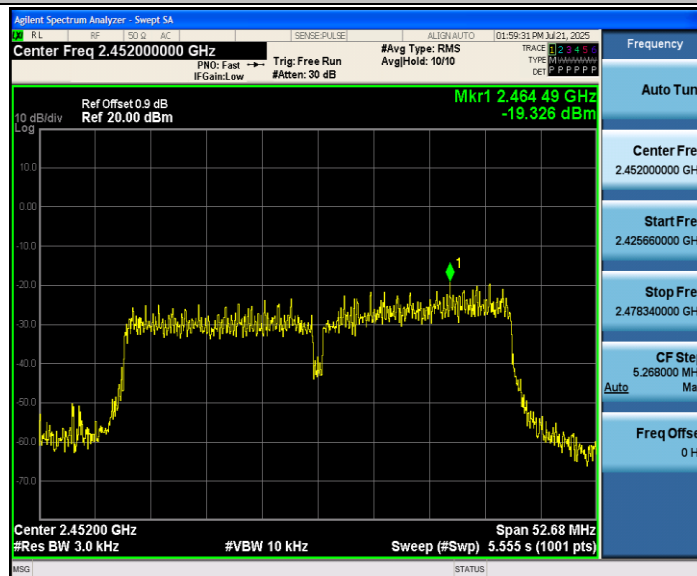
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



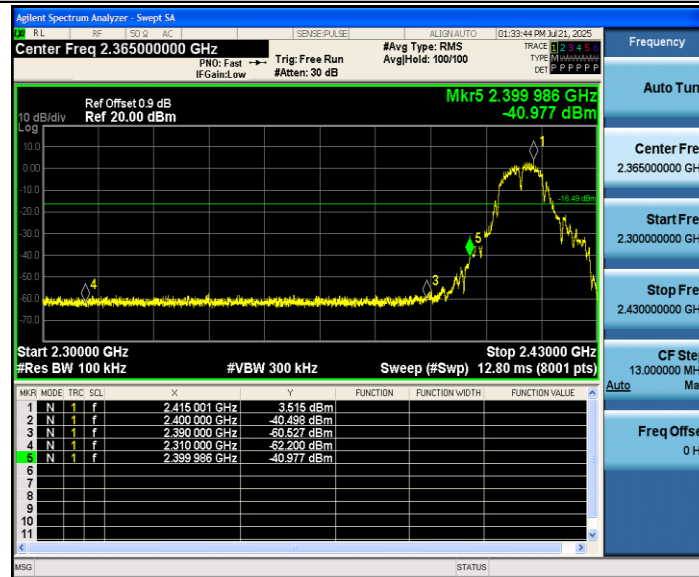
Appendix E: Band edge measurements

Test Result

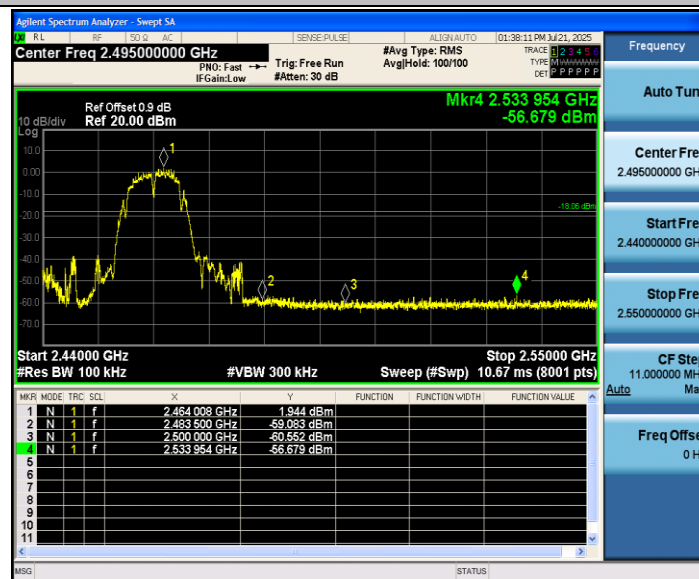
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.52	-40.98	≤-16.49	PASS
		High	2462	1.94	-56.68	≤-18.06	PASS
11G	Ant1	Low	2412	-1.36	-41.2	≤-21.36	PASS
		High	2462	-2.52	-51.29	≤-22.52	PASS
11N20SISO	Ant1	Low	2412	-1.33	-39.12	≤-21.33	PASS
		High	2462	-2.93	-51.33	≤-22.93	PASS
11N40SISO	Ant1	Low	2422	-4.28	-44.52	≤-24.28	PASS
		High	2452	-4.50	-41.92	≤-24.5	PASS

Test Graphs

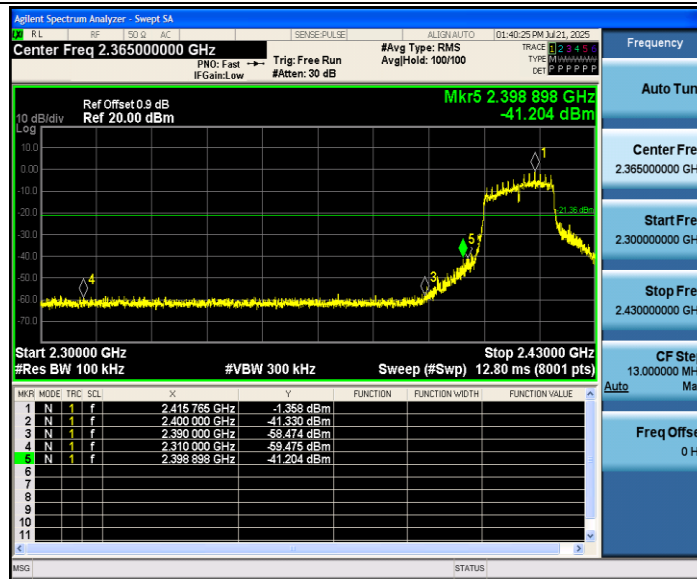
11B_Ant1_Low_2412



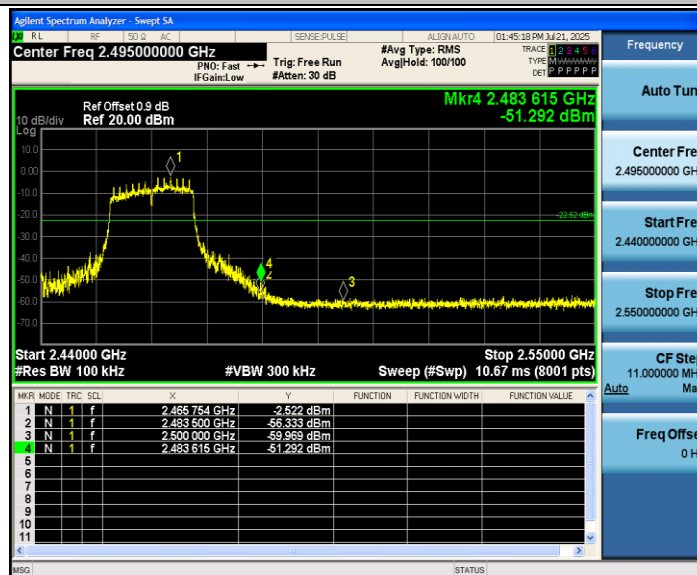
11B_Ant1_High_2462



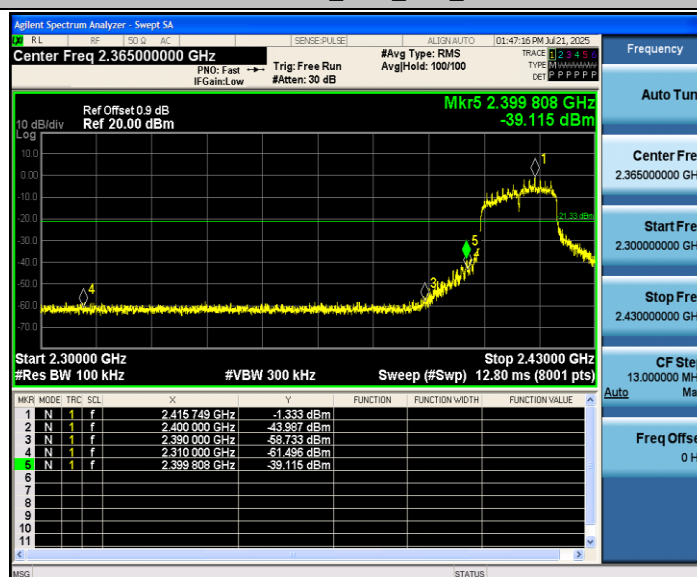
11G_Ant1_Low_2412



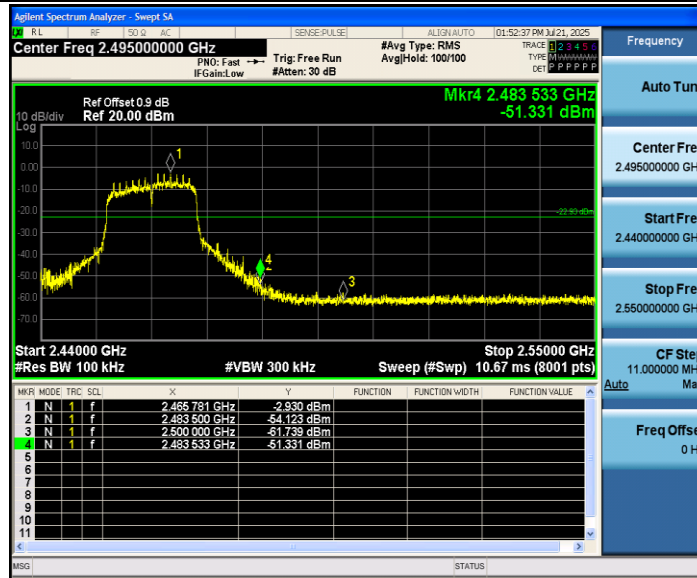
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



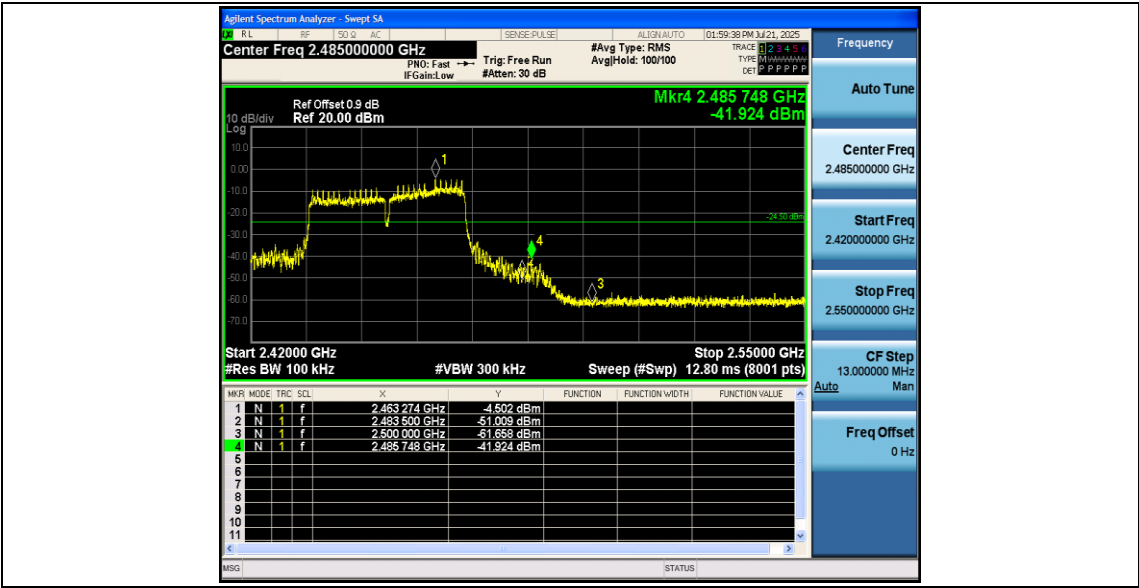
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

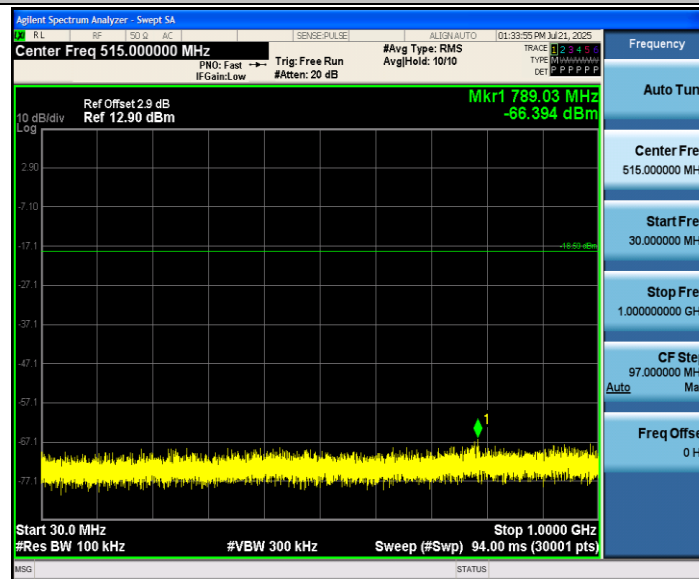
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-66.39	≤-18.59	PASS
			1000~26500	1.41	-40.83	≤-18.59	PASS
		2437	Reference	0.72	0.72	---	PASS
			30~1000	0.72	-66.62	≤-19.28	PASS
			1000~26500	0.72	-39.33	≤-19.28	PASS
		2462	Reference	1.27	1.27	---	PASS
			30~1000	1.27	-67.42	≤-18.73	PASS
			1000~26500	1.27	-44.68	≤-18.73	PASS
11G	Ant1	2412	Reference	-1.93	-1.93	---	PASS
			30~1000	-1.93	-67.15	≤-21.93	PASS
			1000~26500	-1.93	-46.71	≤-21.93	PASS
		2437	Reference	-4.62	-4.62	---	PASS
			30~1000	-4.62	-67.93	≤-24.62	PASS
			1000~26500	-4.62	-49.27	≤-24.62	PASS
		2462	Reference	-3.61	-3.61	---	PASS
			30~1000	-3.61	-66.69	≤-23.61	PASS
			1000~26500	-3.61	-50.85	≤-23.61	PASS
11N20SISO	Ant1	2412	Reference	-1.80	-1.80	---	PASS
			30~1000	-1.80	-67.46	≤-21.8	PASS
			1000~26500	-1.80	-49.84	≤-21.8	PASS
		2437	Reference	-3.49	-3.49	---	PASS
			30~1000	-3.49	-67.38	≤-23.49	PASS
			1000~26500	-3.49	-53.02	≤-23.49	PASS
		2462	Reference	-4.16	-4.16	---	PASS
			30~1000	-4.16	-67.37	≤-24.16	PASS
			1000~26500	-4.16	-48.47	≤-24.16	PASS
11N40SISO	Ant1	2422	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-67.63	≤-24.38	PASS
			1000~26500	-4.38	-45.23	≤-24.38	PASS
		2437	Reference	-5.30	-5.30	---	PASS
			30~1000	-5.30	-66.64	≤-25.3	PASS
			1000~26500	-5.30	-50.46	≤-25.3	PASS
		2452	Reference	-4.71	-4.71	---	PASS
			30~1000	-4.71	-67.43	≤-24.71	PASS
			1000~26500	-4.71	-46.83	≤-24.71	PASS

Test Graphs

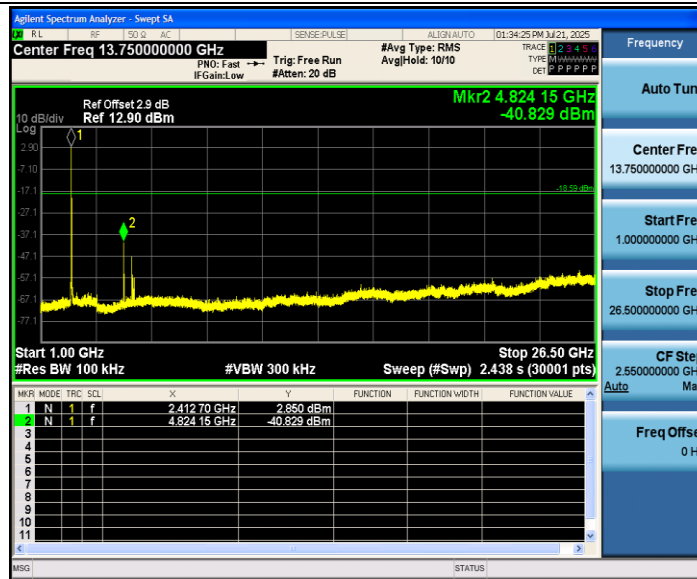
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



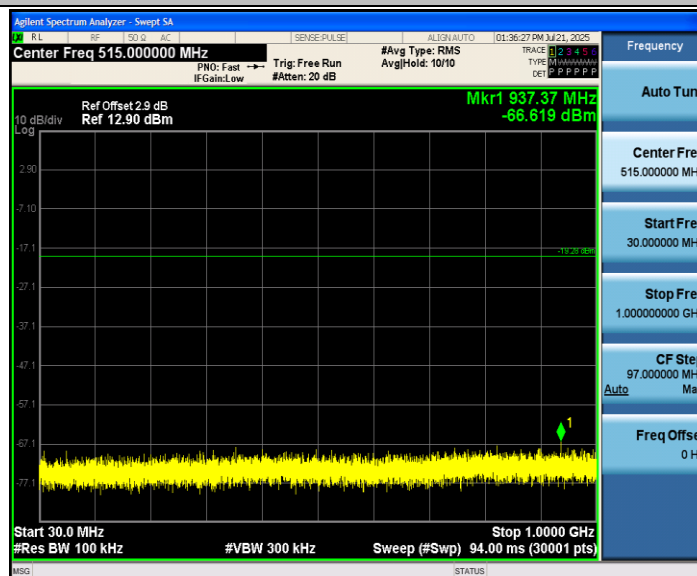
11B_Ant1_2412_1000~26500



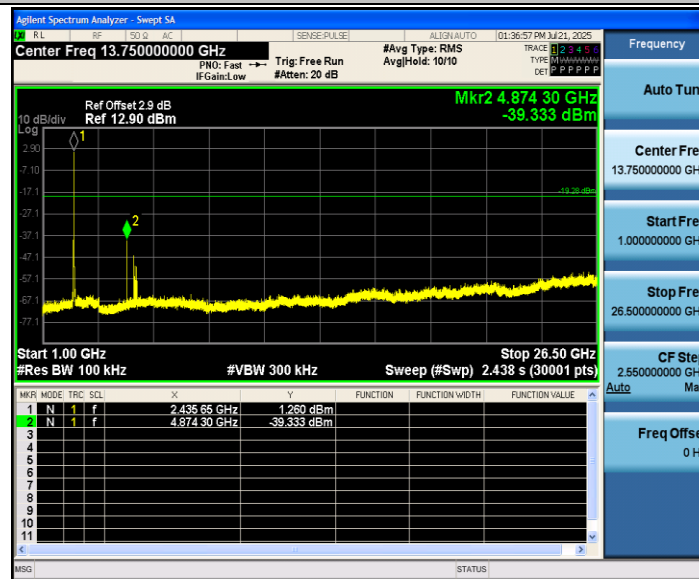
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



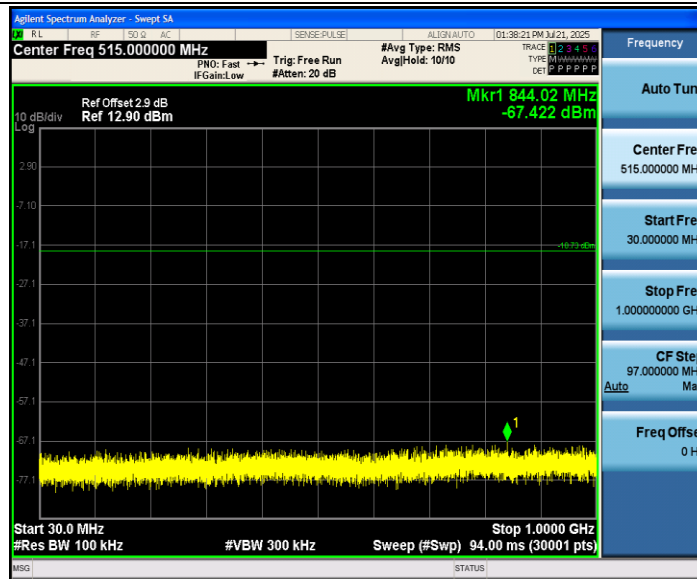
11B_Ant1_2437_1000~26500



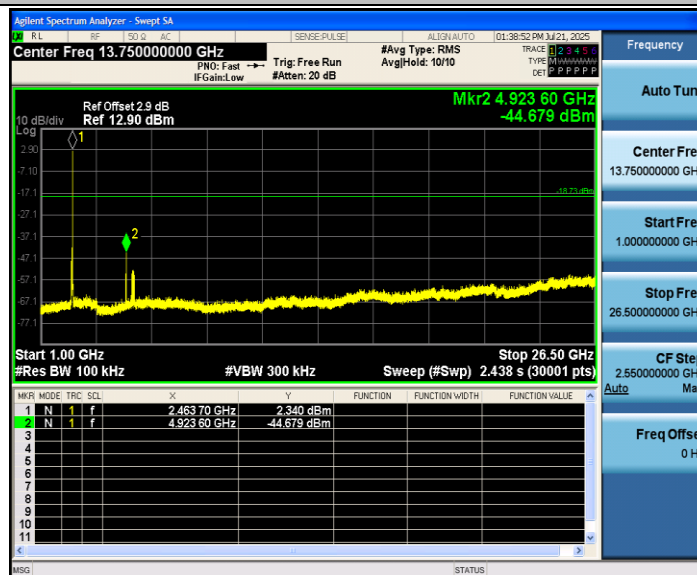
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



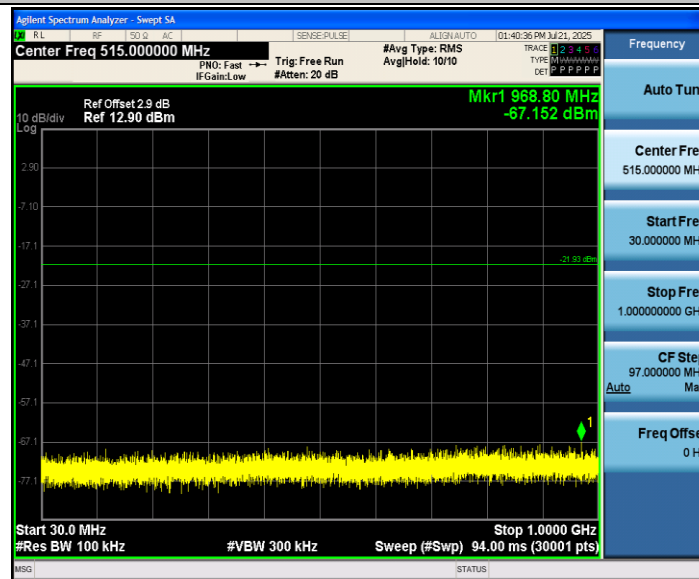
11B_Ant1_2462_1000~26500



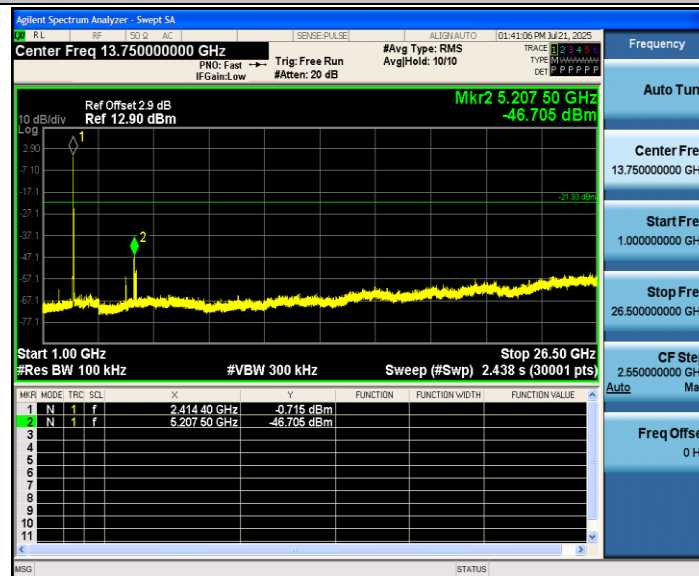
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



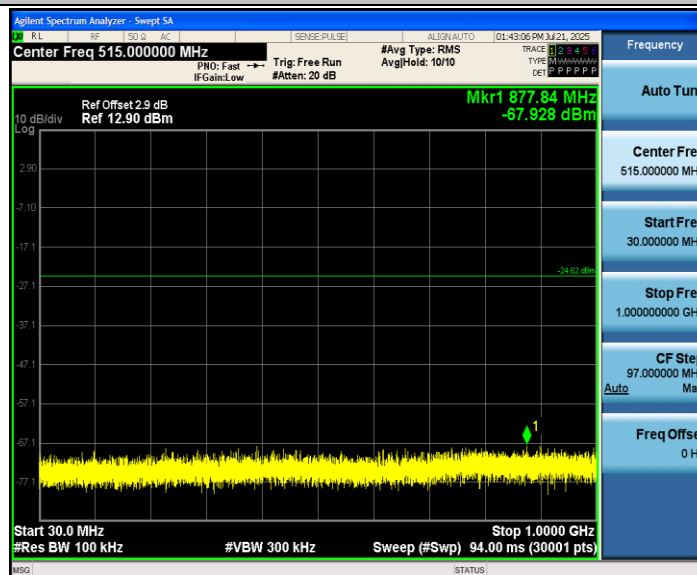
11G_Ant1_2412_1000~26500



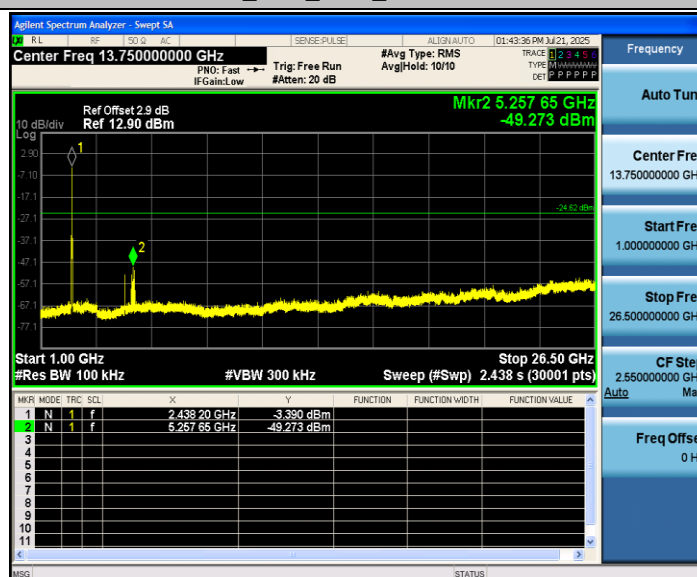
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



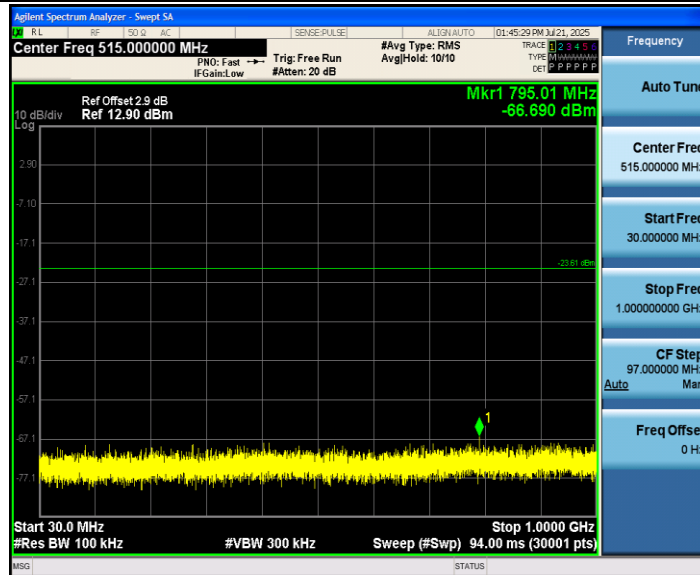
11G_Ant1_2437_1000~26500



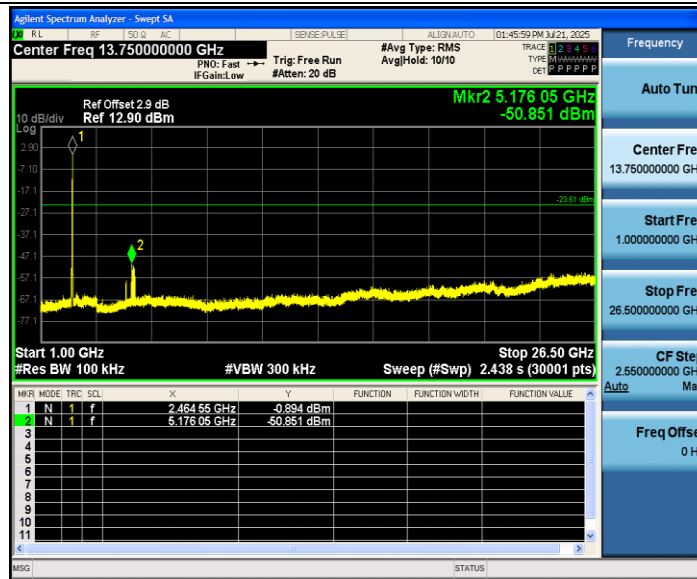
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

