

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2AJU8-RG476H

Company : Shenzhen Yangliming Electronic Technology Co.,
Ltd.

EUT : Handheld Game Console

Model Number : RG 476H

Report No. : CTA25093000402

Reviewed By : Eric Wang

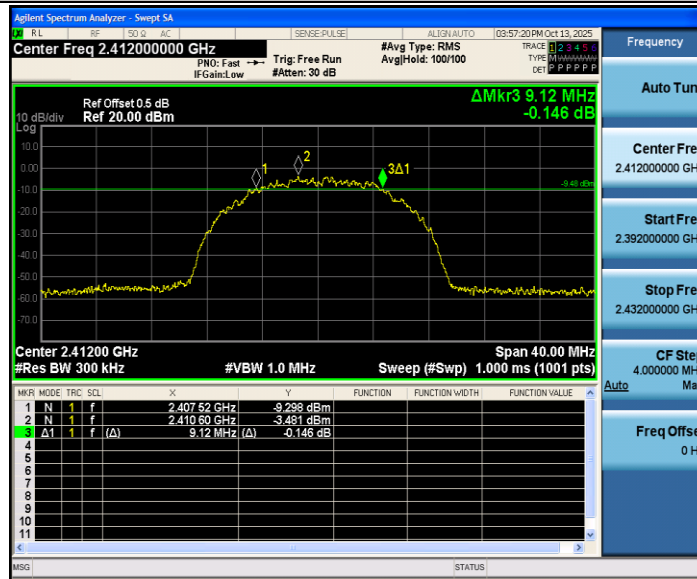
Appendix A: DTS Bandwidth

Test Result

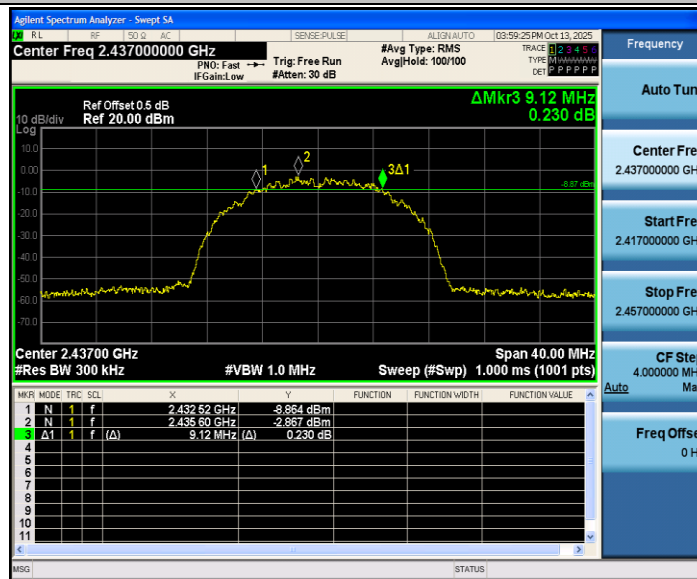
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.120	2407.520	2416.640	0.5	PASS
		2437	9.120	2432.520	2441.640	0.5	PASS
		2462	9.080	2457.480	2466.560	0.5	PASS
11G	Ant1	2412	16.280	2403.920	2420.200	0.5	PASS
		2437	16.320	2428.920	2445.240	0.5	PASS
		2462	16.360	2453.880	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.360	2403.400	2420.760	0.5	PASS
		2437	17.240	2428.400	2445.640	0.5	PASS
		2462	17.280	2453.360	2470.640	0.5	PASS
11N40SISO	Ant1	2422	33.600	2405.600	2439.200	0.5	PASS
		2437	33.840	2420.440	2454.280	0.5	PASS
		2452	34.160	2435.120	2469.280	0.5	PASS

Test Graphs

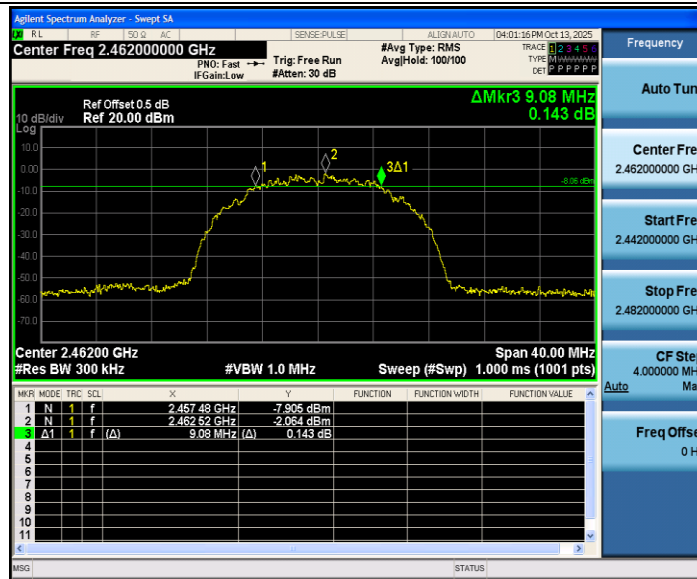
11B_Ant1_2412



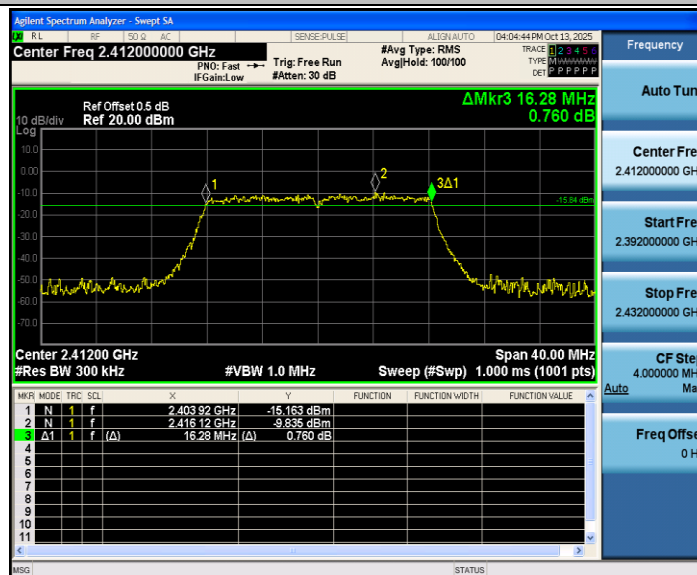
11B_Ant1_2437



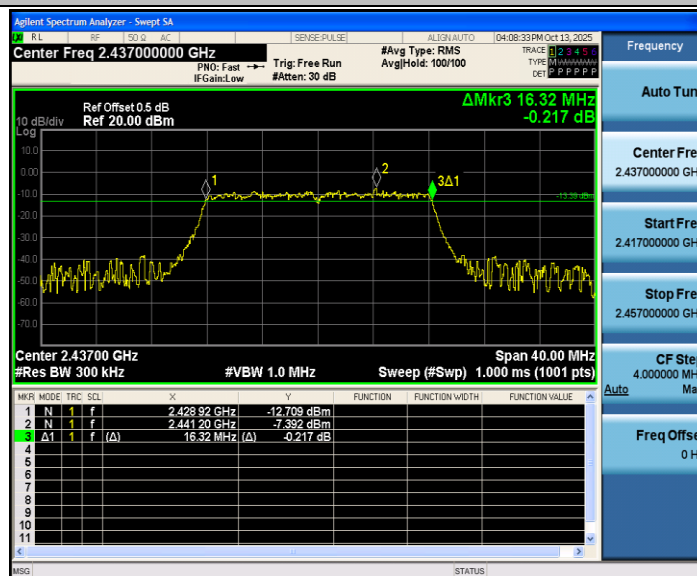
11B_Ant1_2462



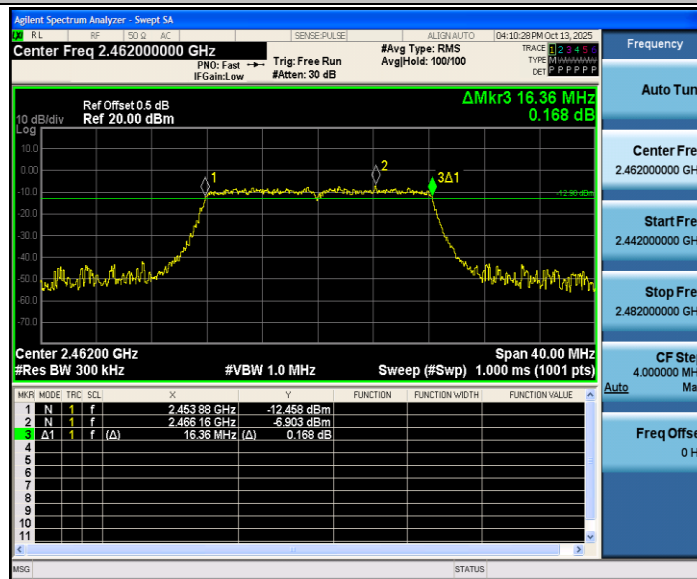
11G_Ant1_2412



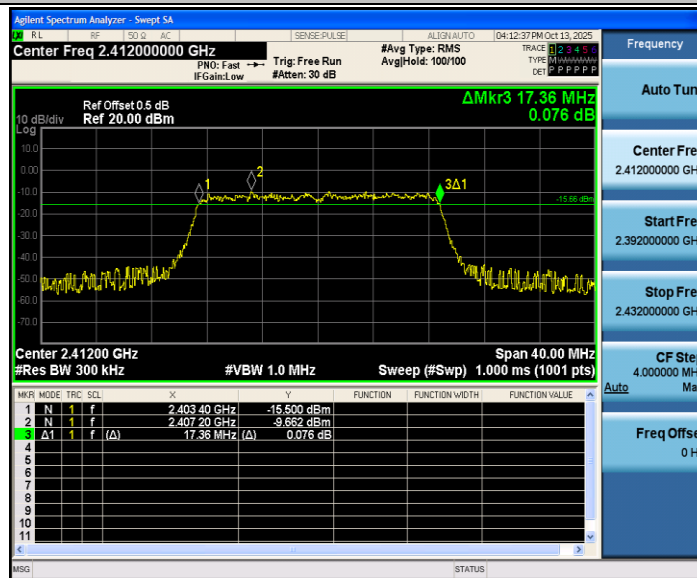
11G_Ant1_2437



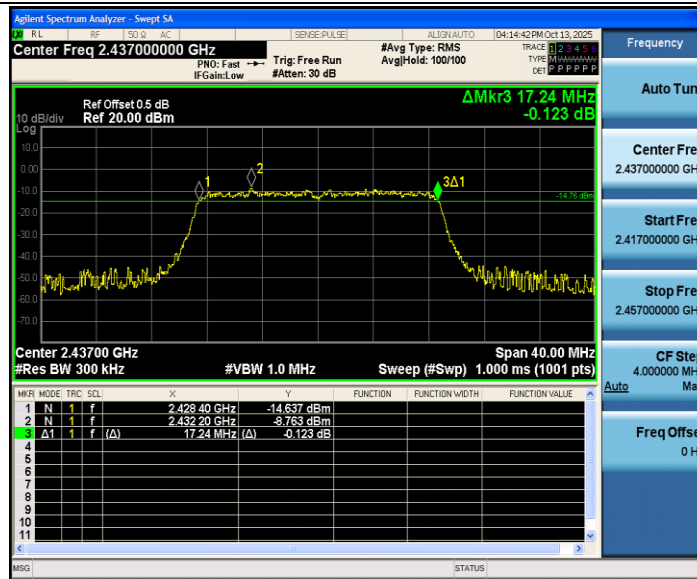
11G_Ant1_2462



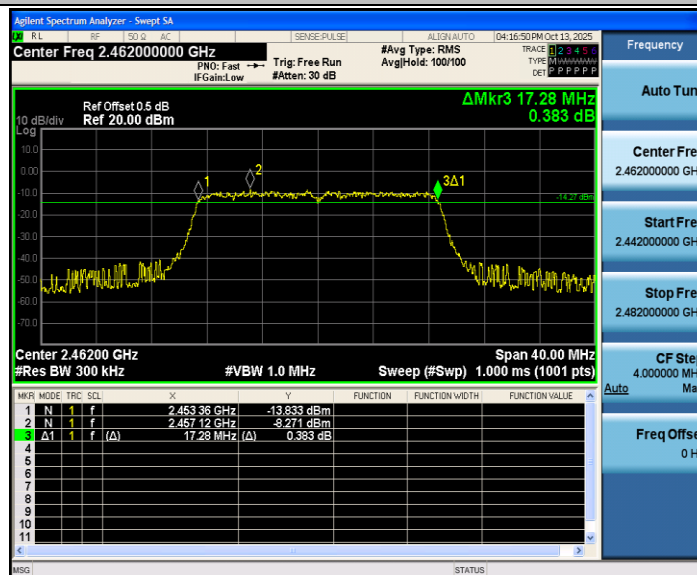
11N20SISO_Ant1_2412



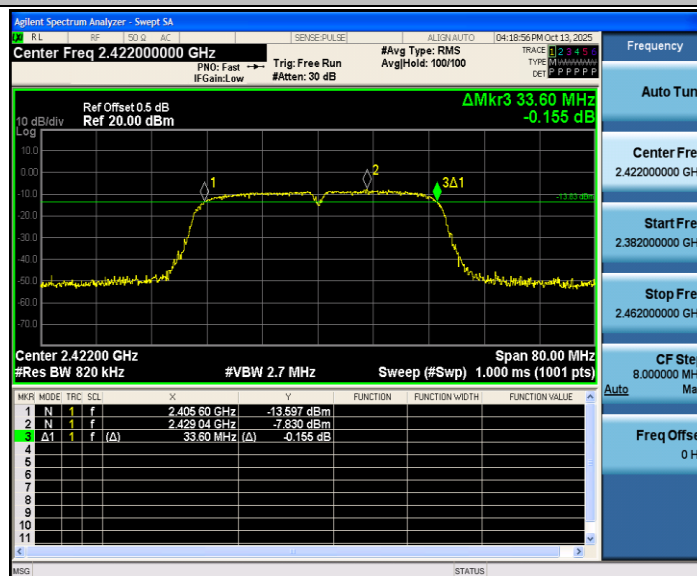
11N20SISO_Ant1_2437



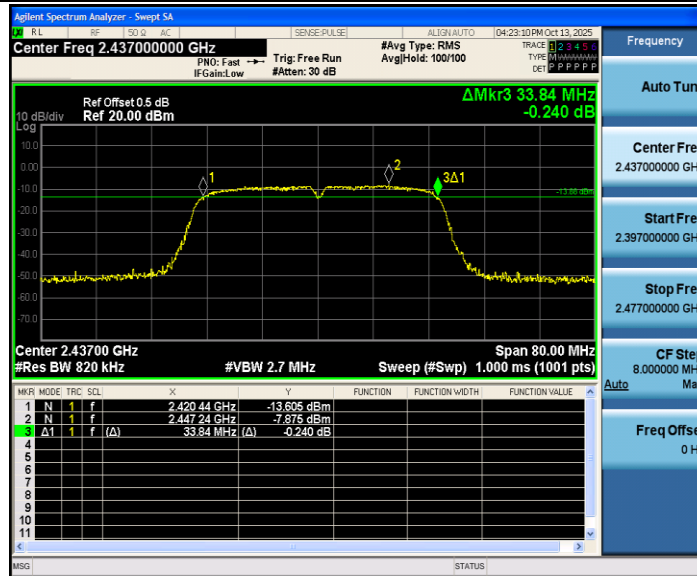
11N20SISO_Ant1_2462



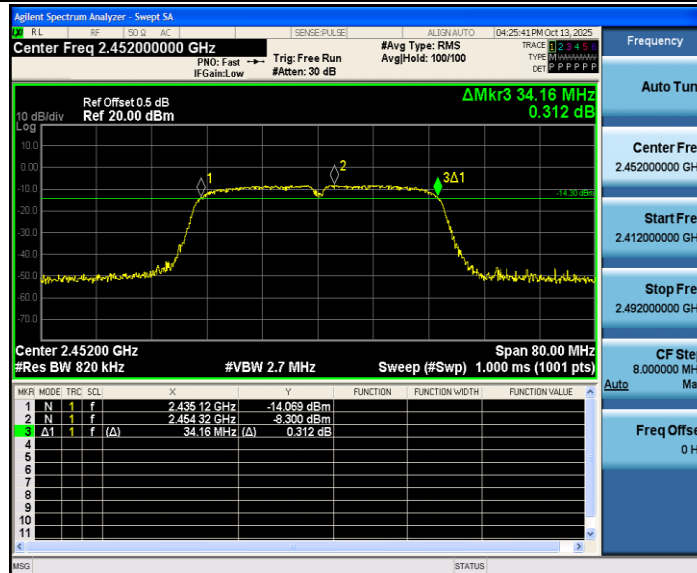
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



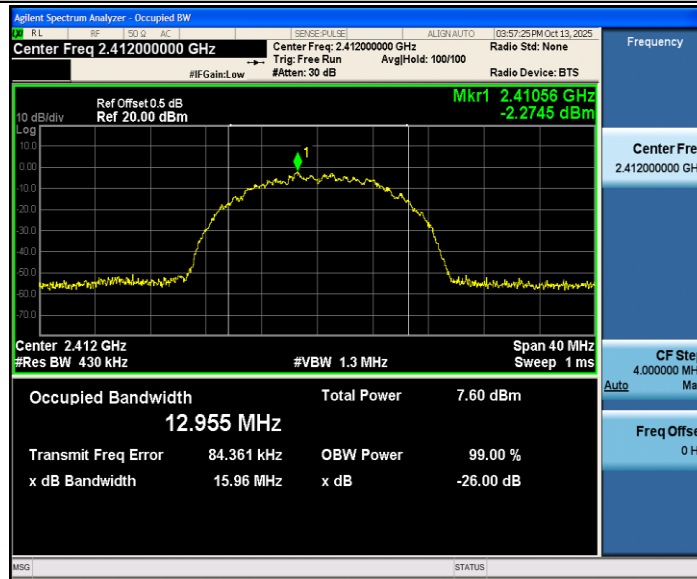
Appendix B: Occupied Channel Bandwidth

Test Result

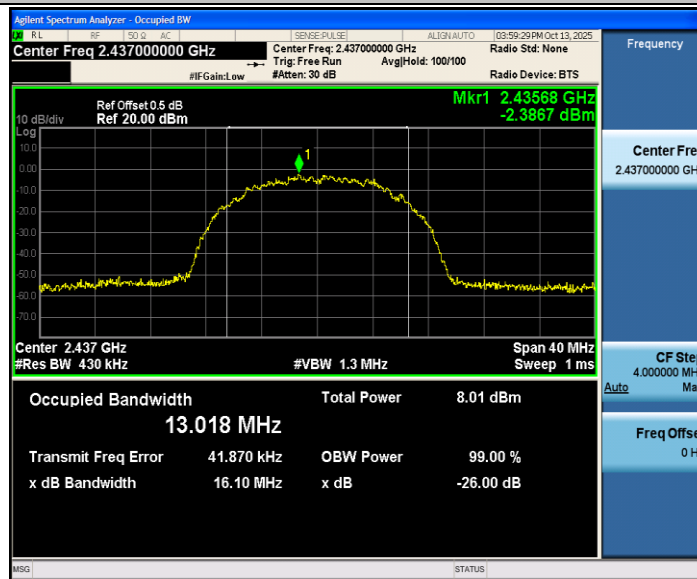
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.955	2405.6069	2418.5619	---	---
		2437	13.018	2430.5329	2443.5509	---	---
		2462	12.973	2455.5418	2468.5148	---	---
11G	Ant1	2412	16.584	2403.7662	2420.3502	---	---
		2437	16.581	2428.7617	2445.3427	---	---
		2462	16.614	2453.7257	2470.3397	---	---
11N20SISO	Ant1	2412	17.462	2403.3332	2420.7952	---	---
		2437	17.447	2428.3466	2445.7936	---	---
		2462	17.459	2453.3116	2470.7706	---	---
11N40SISO	Ant1	2422	34.828	2404.8264	2439.6544	---	---
		2437	34.832	2419.7693	2454.6013	---	---
		2452	34.822	2434.7406	2469.5626	---	---

Test Graphs

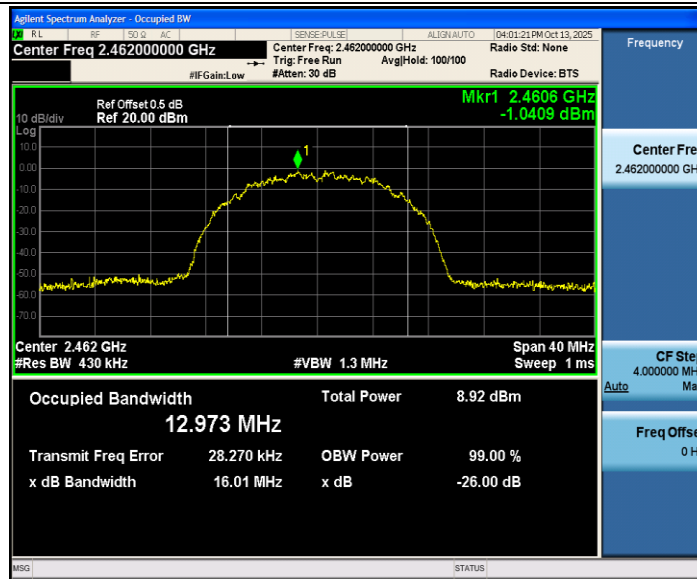
11B_Ant1_2412



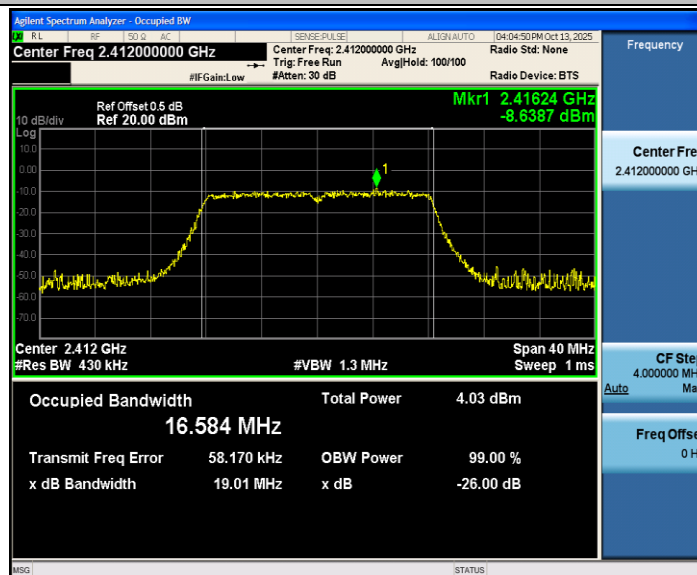
11B_Ant1_2437



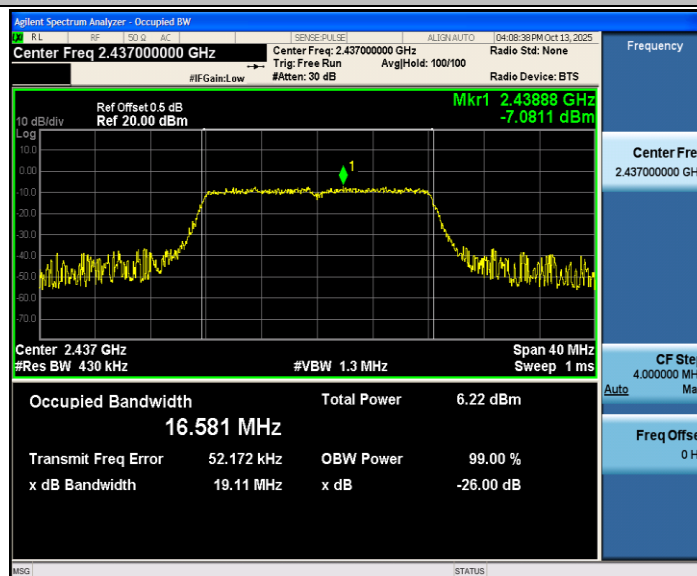
11B_Ant1_2462



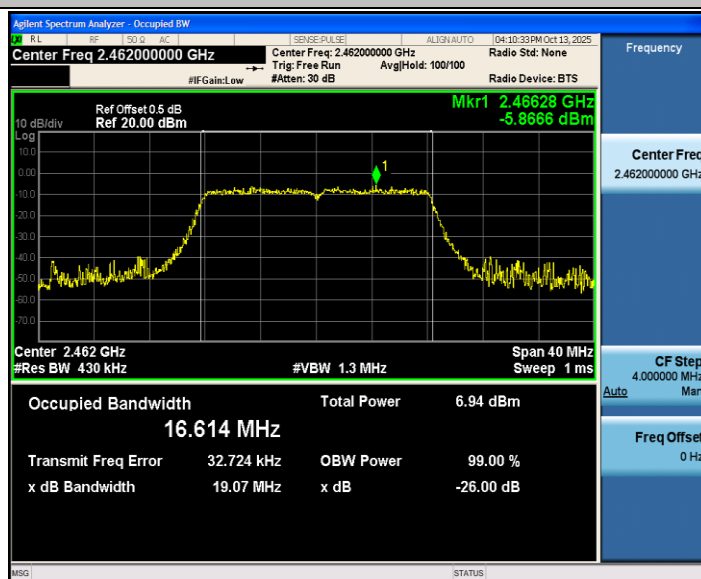
11G_Ant1_2412



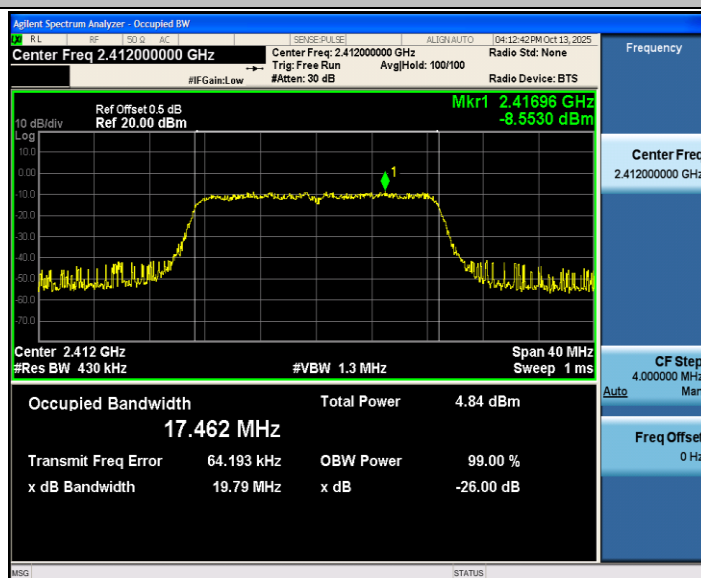
11G_Ant1_2437



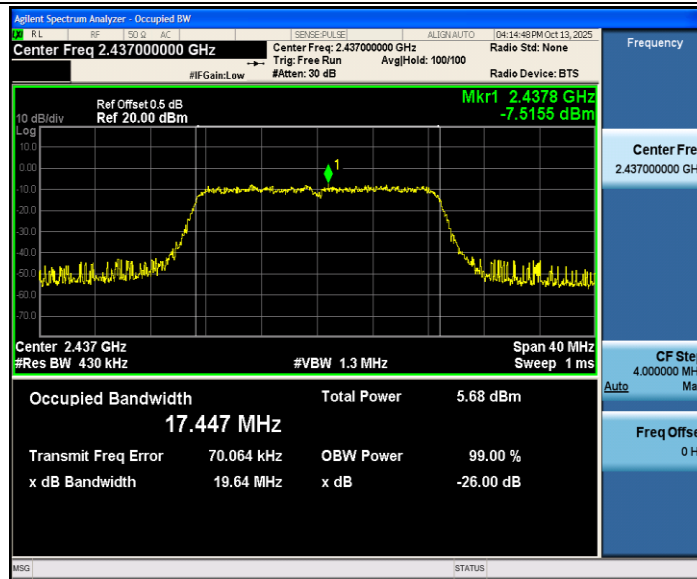
11G_Ant1_2462



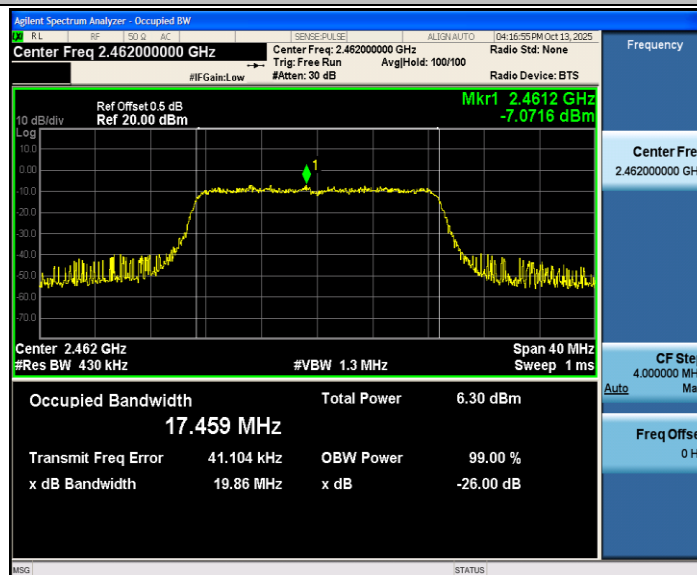
11N20SISO_Ant1_2412



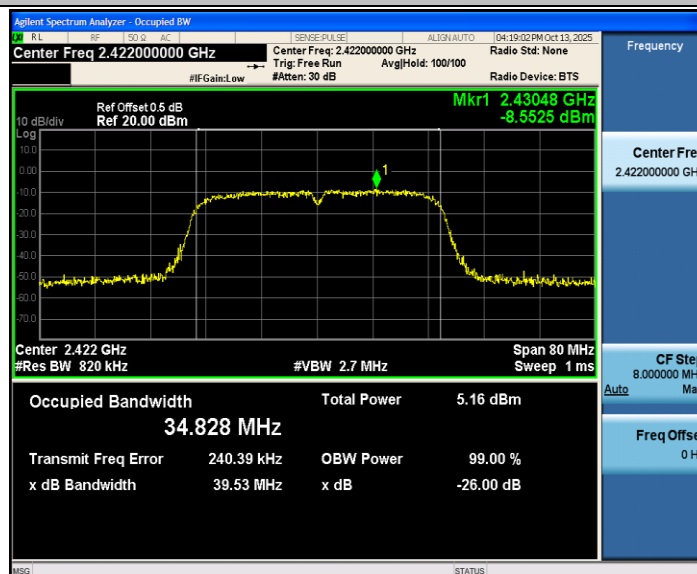
11N20SISO_Ant1_2437



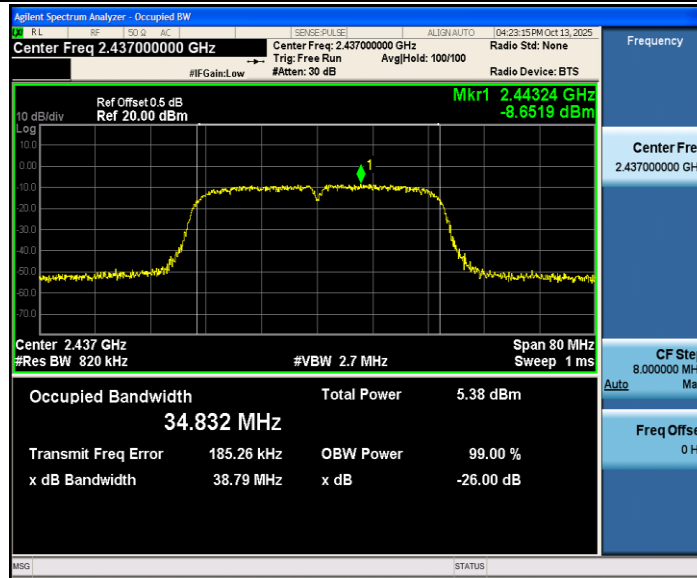
11N20SISO_Ant1_2462



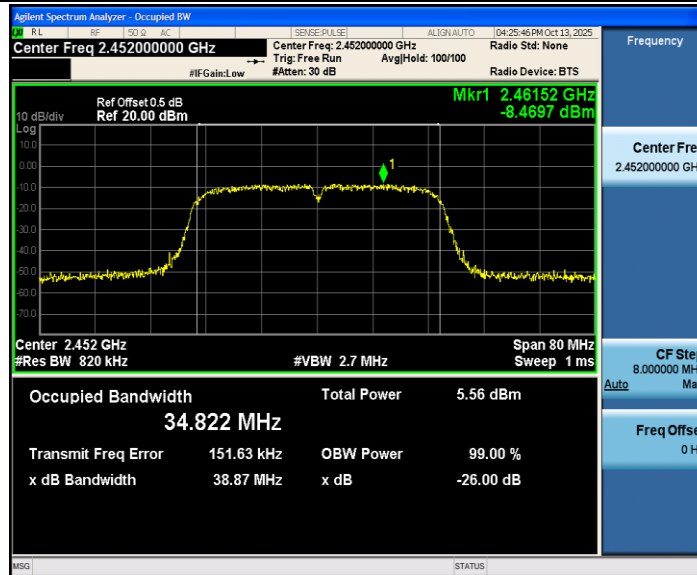
11N40SISO_Ant1_2422



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	7.01	≤30.00	PASS
		2437	7.71	≤30.00	PASS
		2462	7.42	≤30.00	PASS
11G	Ant1	2412	6.44	≤30.00	PASS
		2437	7.00	≤30.00	PASS
		2462	7.81	≤30.00	PASS
11N20SISO	Ant1	2412	6.01	≤30.00	PASS
		2437	6.85	≤30.00	PASS
		2462	7.43	≤30.00	PASS
11N40SISO	Ant1	2422	5.52	≤30.00	PASS
		2437	5.64	≤30.00	PASS
		2452	6.01	≤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	-22.49	≤8.00	PASS
		2437	-21.48	≤8.00	PASS
		2462	-21.28	≤8.00	PASS
11G	Ant1	2412	-27.97	≤8.00	PASS
		2437	-27.35	≤8.00	PASS
		2462	-26.69	≤8.00	PASS
11N20SISO	Ant1	2412	-28.03	≤8.00	PASS
		2437	-27.68	≤8.00	PASS
		2462	-27.06	≤8.00	PASS
11N40SISO	Ant1	2422	-29.82	≤8.00	PASS
		2437	-29.60	≤8.00	PASS
		2452	-29.14	≤8.00	PASS

Test Graphs

11B_Ant1_2412



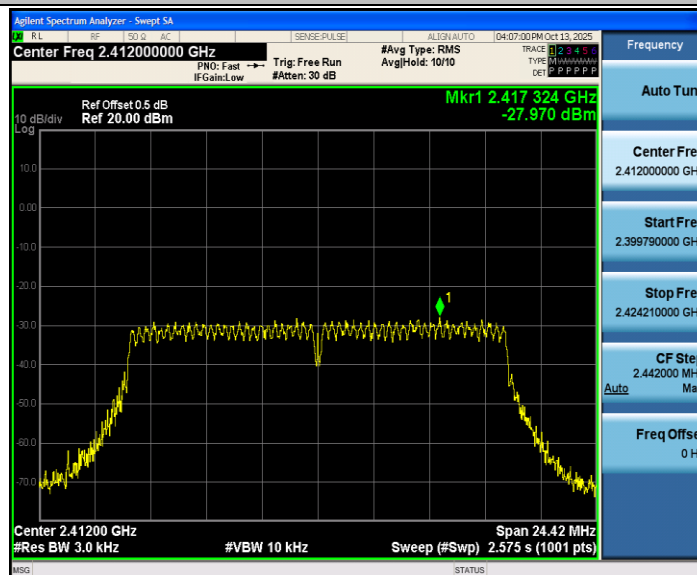
11B_Ant1_2437



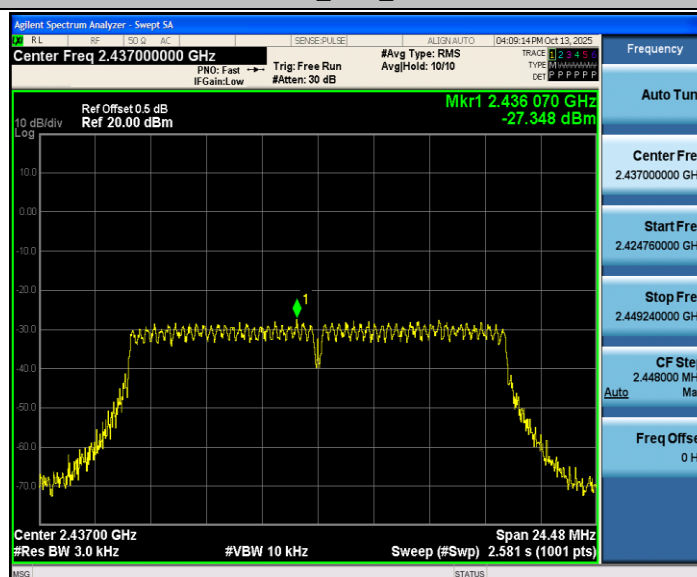
11B_Ant1_2462



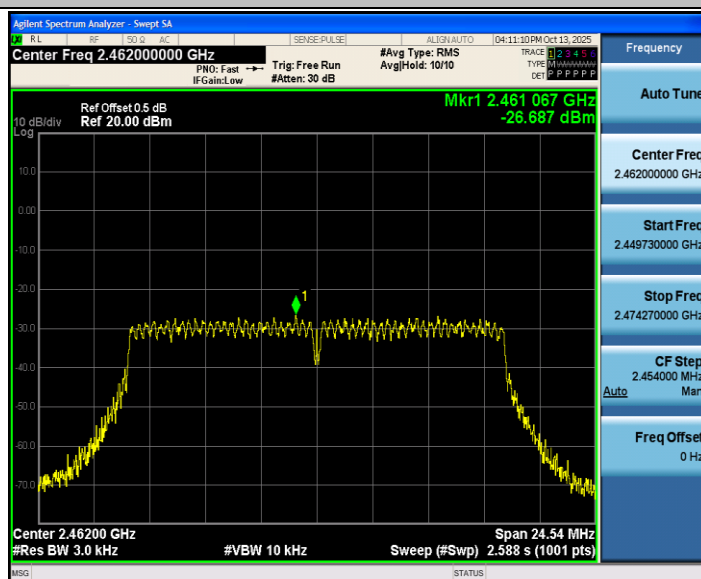
11G_Ant1_2412



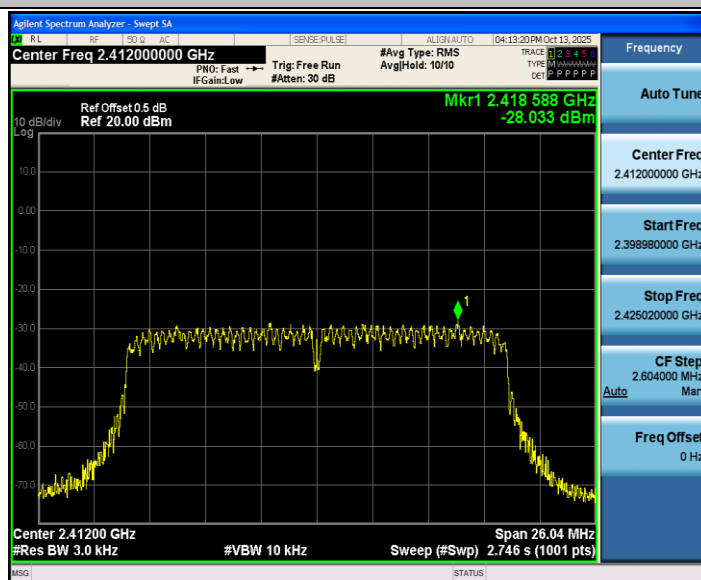
11G_Ant1_2437



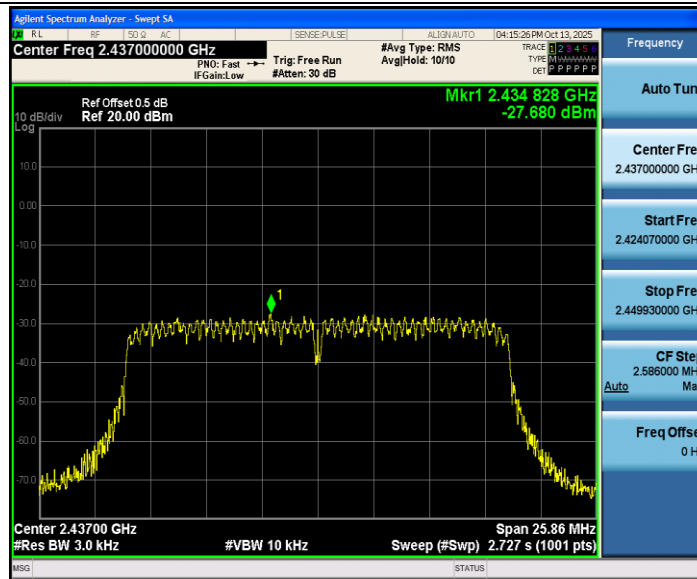
11G_Ant1_2462



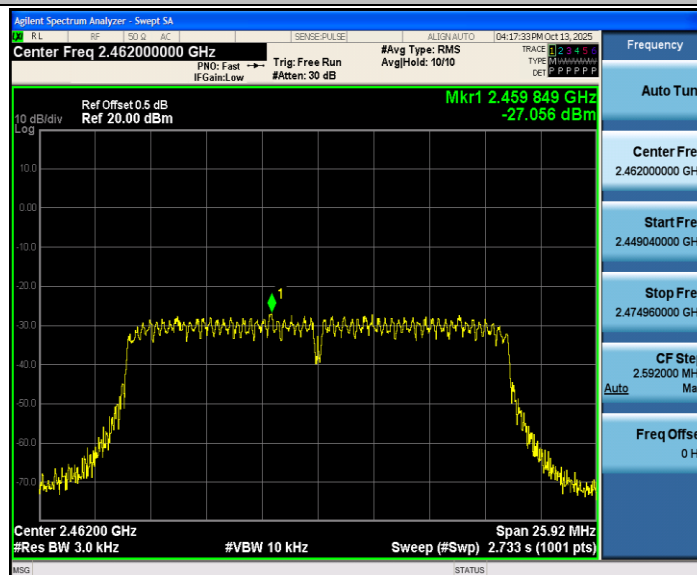
11N20SISO_Ant1_2412



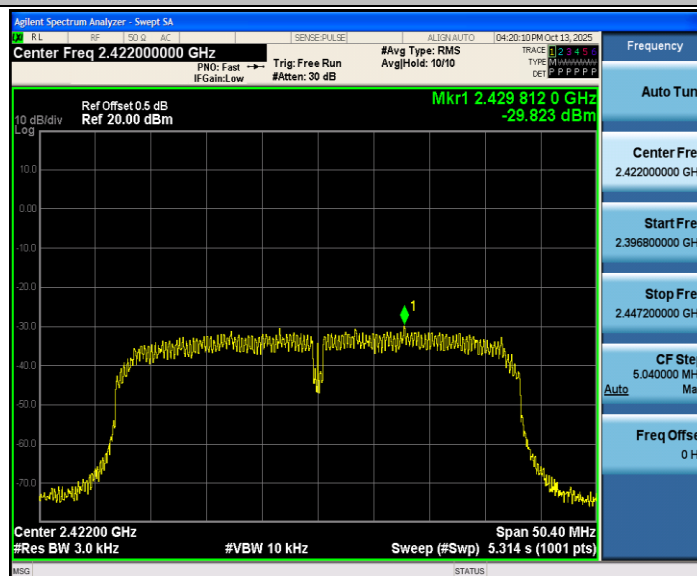
11N20SISO_Ant1_2437



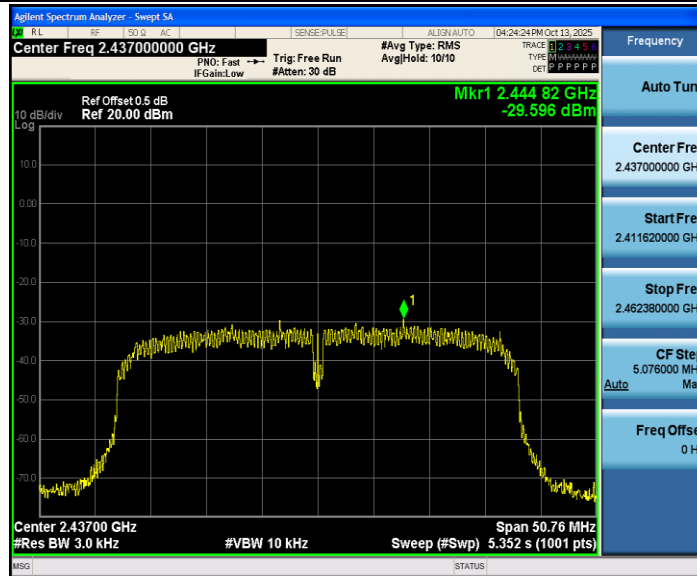
11N20SISO_Ant1_2462



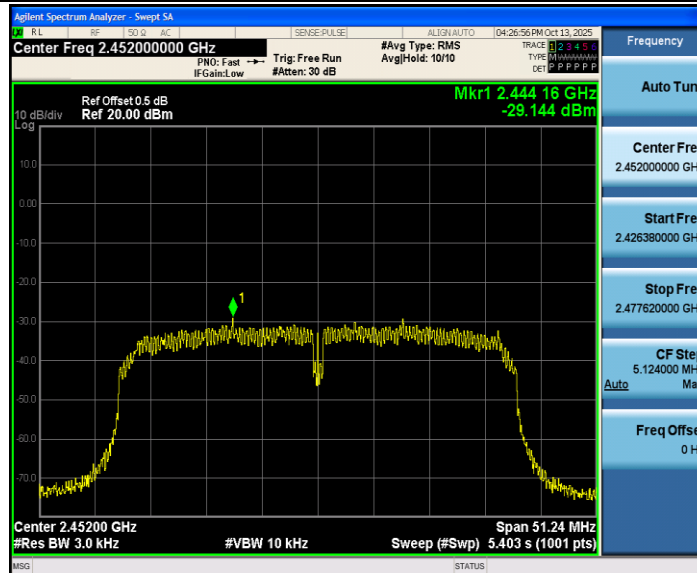
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



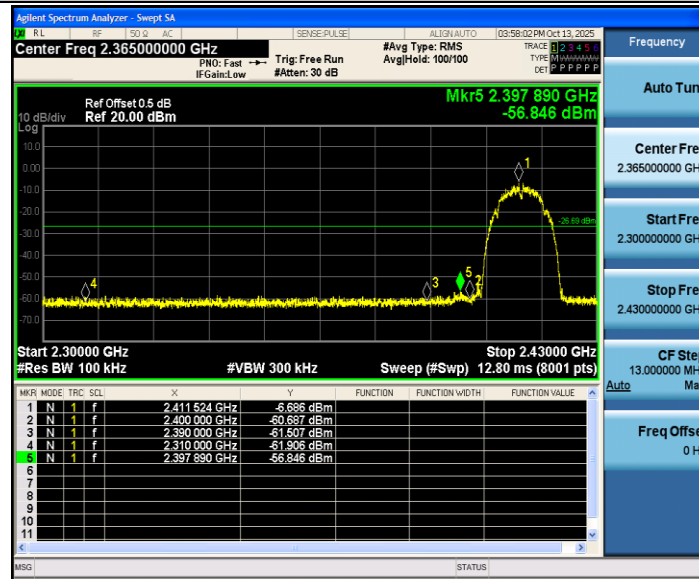
Appendix E: Band edge measurements

Test Result

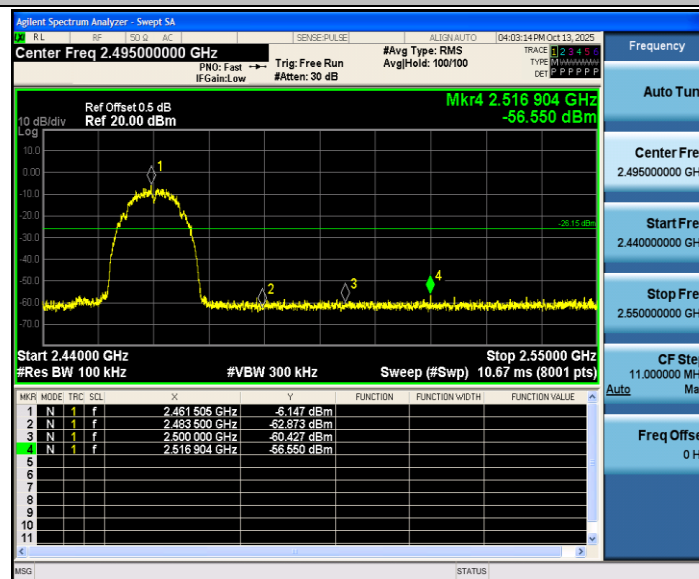
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-6.69	-56.85	≤-26.69	PASS
		High	2462	-6.15	-56.55	≤-26.15	PASS
11G	Ant1	Low	2412	-14.11	-52.74	≤-34.11	PASS
		High	2462	-12.49	-55.63	≤-32.49	PASS
11N20SISO	Ant1	Low	2412	-15.15	-51.49	≤-35.15	PASS
		High	2462	-13.75	-56.64	≤-33.75	PASS
11N40SISO	Ant1	Low	2422	-17.68	-56.54	≤-37.68	PASS
		High	2452	-17.47	-57.73	≤-37.47	PASS

Test Graphs

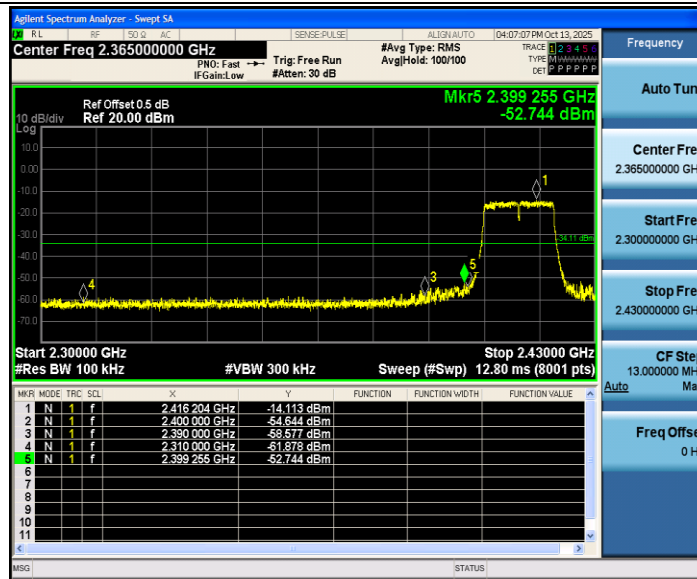
11B_Ant1_Low_2412



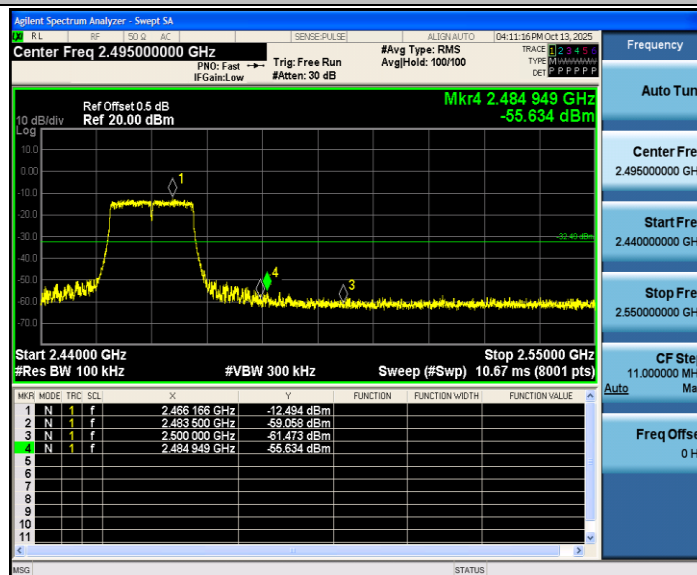
11B_Ant1_High_2462



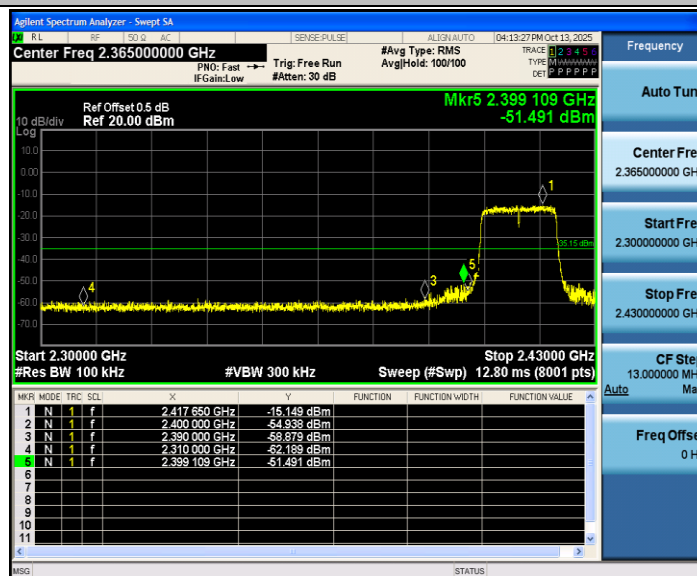
11G_Ant1_Low_2412



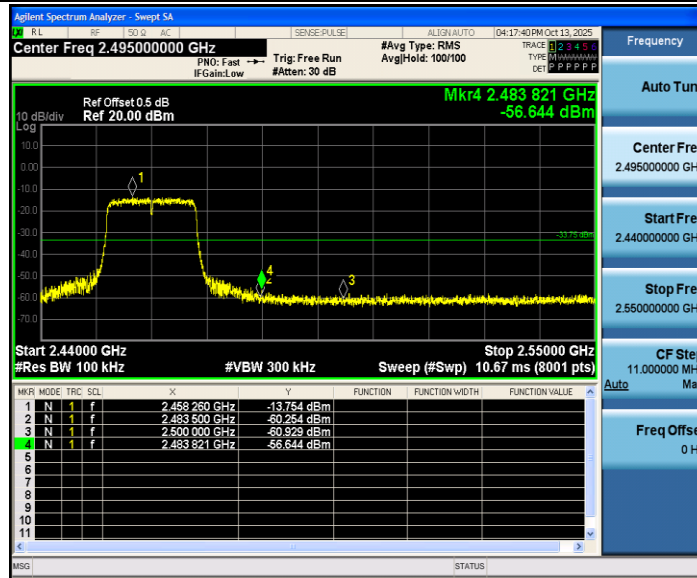
11G_Ant1_High_2462



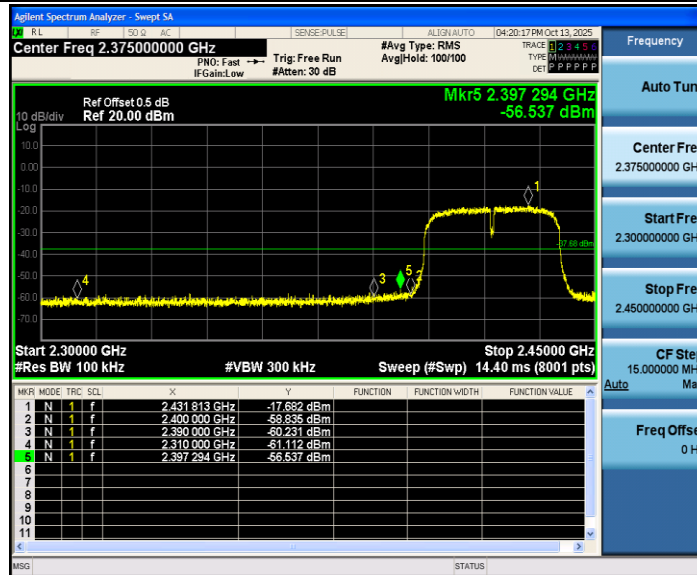
11N20SISO_Ant1_Low_2412



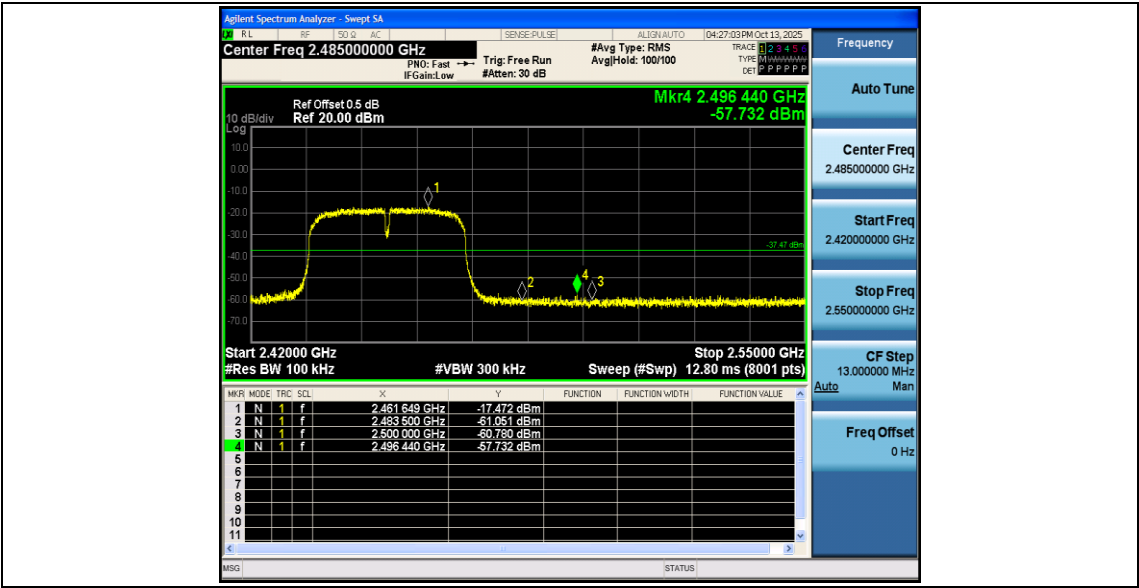
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



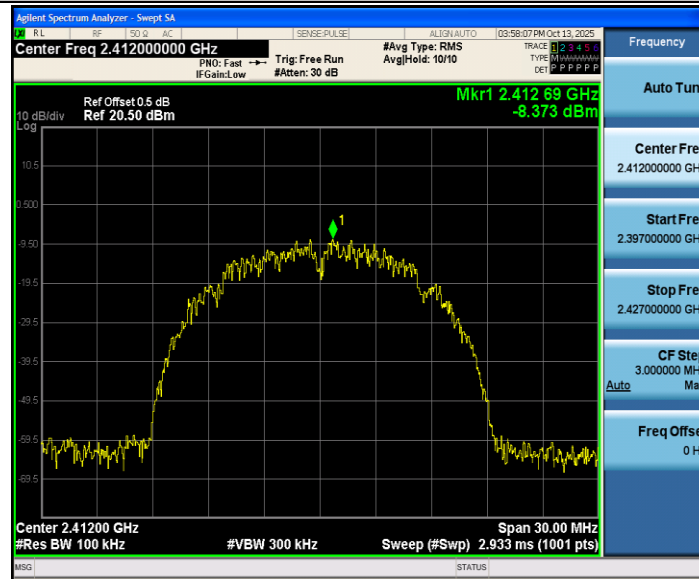
Appendix F: Conducted Spurious Emission

Test Result

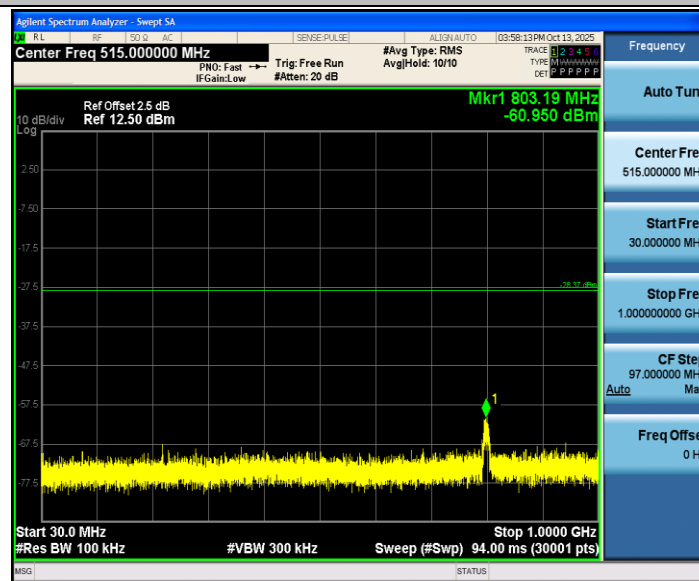
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-8.37	-8.37	---	PASS
			30~1000	-8.37	-60.95	≤-28.37	PASS
			1000~26500	-8.37	-44.37	≤-28.37	PASS
		2437	Reference	-7.92	-7.92	---	PASS
			30~1000	-7.92	-59.4	≤-27.92	PASS
			1000~26500	-7.92	-44.78	≤-27.92	PASS
		2462	Reference	-7.45	-7.45	---	PASS
			30~1000	-7.45	-60.18	≤-27.45	PASS
			1000~26500	-7.45	-45.2	≤-27.45	PASS
11G	Ant1	2412	Reference	-14.49	-14.49	---	PASS
			30~1000	-14.49	-63.96	≤-34.49	PASS
			1000~26500	-14.49	-44.71	≤-34.49	PASS
		2437	Reference	-13.87	-13.87	---	PASS
			30~1000	-13.87	-63.95	≤-33.87	PASS
			1000~26500	-13.87	-44.86	≤-33.87	PASS
		2462	Reference	-13.09	-13.09	---	PASS
			30~1000	-13.09	-63.99	≤-33.09	PASS
			1000~26500	-13.09	-45.55	≤-33.09	PASS
11N20SISO	Ant1	2412	Reference	-14.88	-14.88	---	PASS
			30~1000	-14.88	-64.25	≤-34.88	PASS
			1000~26500	-14.88	-44.33	≤-34.88	PASS
		2437	Reference	-15.10	-15.10	---	PASS
			30~1000	-15.10	-64.61	≤-35.1	PASS
			1000~26500	-15.10	-44.95	≤-35.1	PASS
		2462	Reference	-13.69	-13.69	---	PASS
			30~1000	-13.69	-64.58	≤-33.69	PASS
			1000~26500	-13.69	-45.2	≤-33.69	PASS
11N40SISO	Ant1	2422	Reference	-17.71	-17.71	---	PASS
			30~1000	-17.71	-65.3	≤-37.71	PASS
			1000~26500	-17.71	-44.51	≤-37.71	PASS
		2437	Reference	-17.30	-17.30	---	PASS
			30~1000	-17.30	-65.71	≤-37.3	PASS
			1000~26500	-17.30	-45.02	≤-37.3	PASS
		2452	Reference	-17.49	-17.49	---	PASS
			30~1000	-17.49	-65.27	≤-37.49	PASS
			1000~26500	-17.49	-45.1	≤-37.49	PASS

Test Graphs

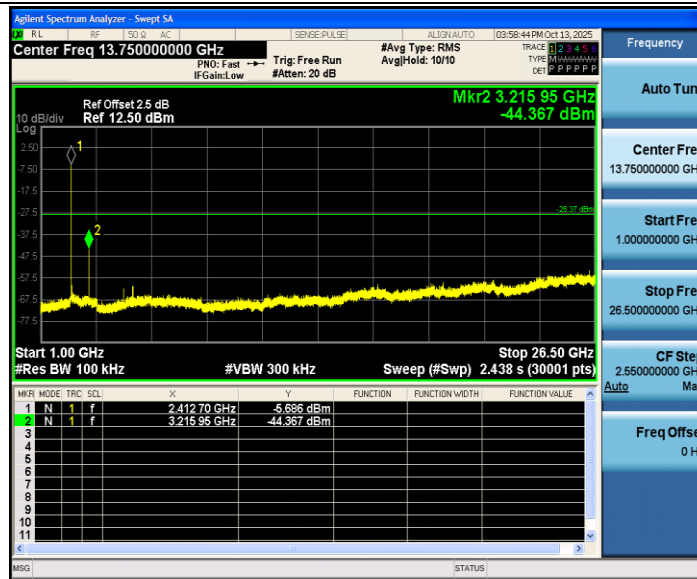
11B_Ant1_2412_0~Reference



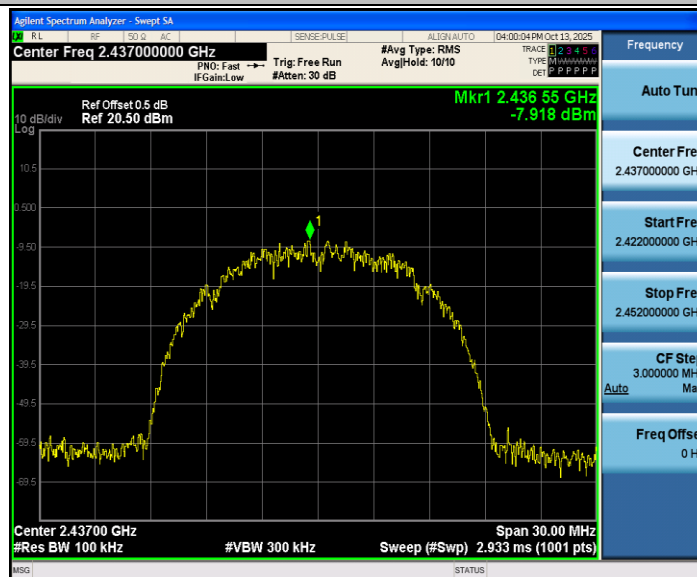
11B_Ant1_2412_30~1000



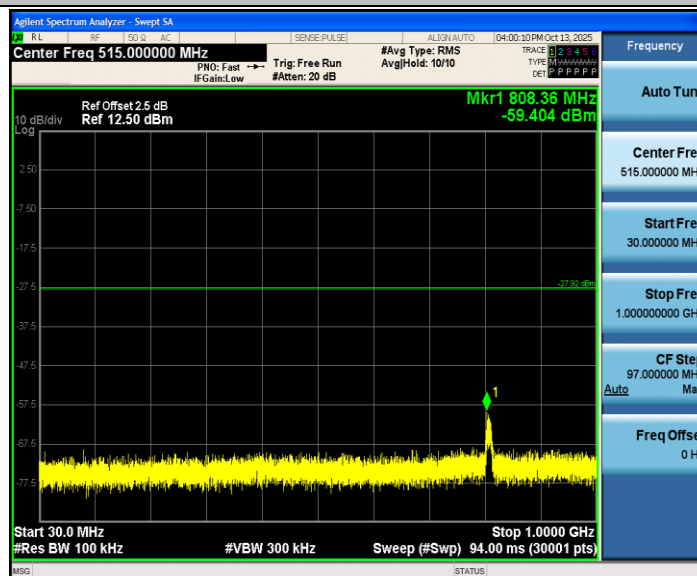
11B_Ant1_2412_1000~26500



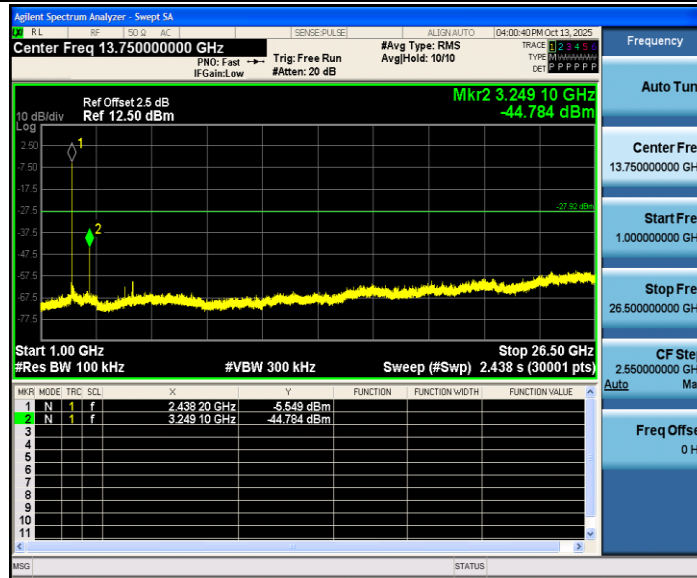
11B_Ant1_2437_0~Reference



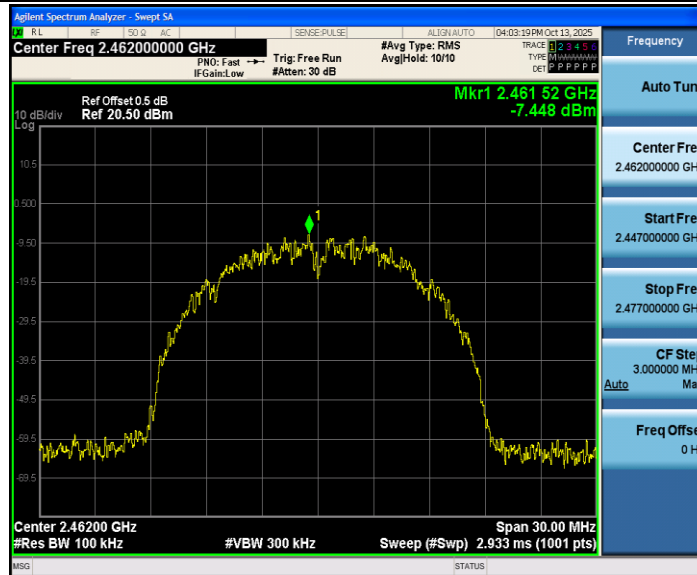
11B_Ant1_2437_30~1000



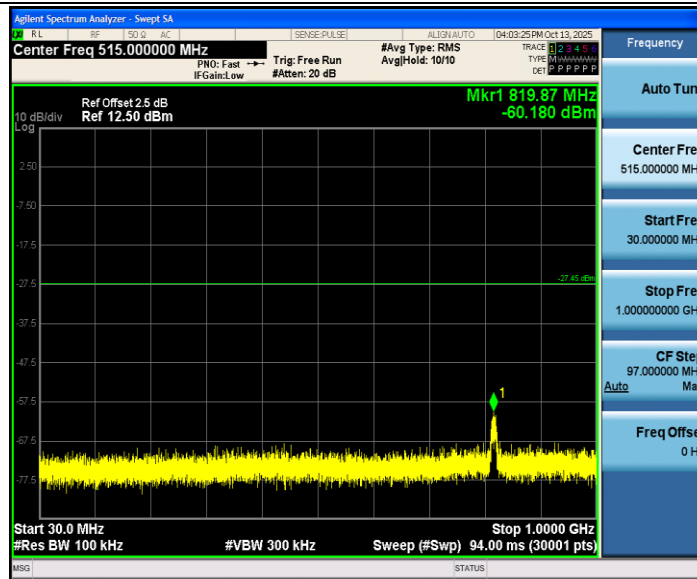
11B_Ant1_2437_1000~26500



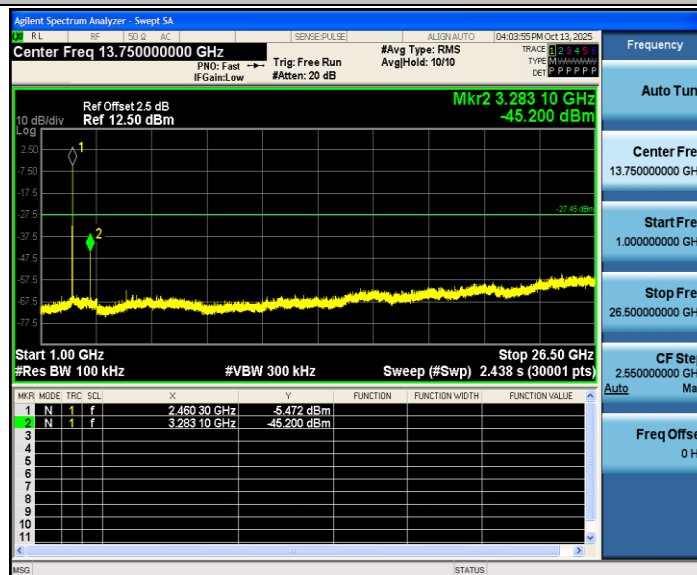
11B_Ant1_2462_0~Reference



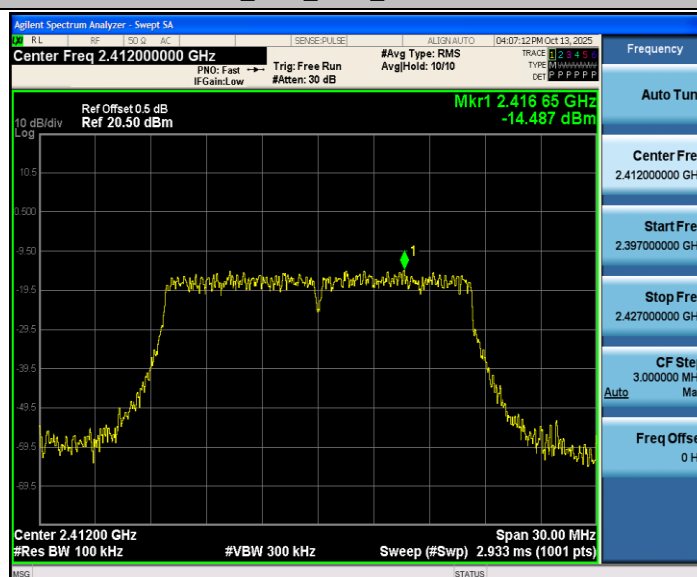
11B_Ant1_2462_30~1000



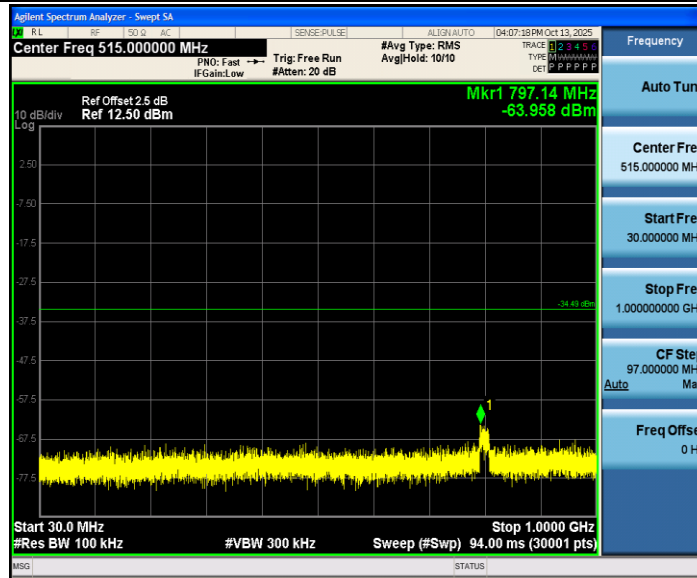
11B_Ant1_2462_1000~26500



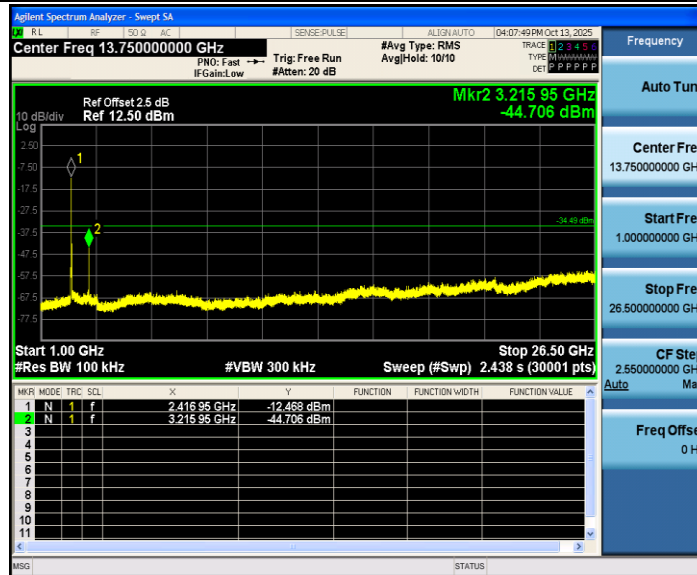
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



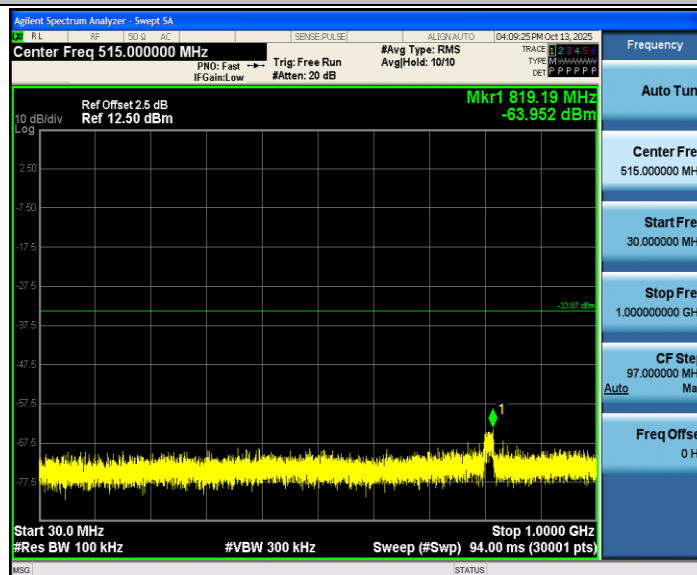
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

