

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BAS6-INFINITYBED

Company : Shenzhen BIQU Innovation Technology Co., Ltd.

EUT : BIQU X FOXLT Infinity Bed

Model Number : BIQU X FOXLT Infinity Bed P1

Report No. : CTA26082801402

Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.200	2406.920	2417.120	0.5	PASS
		2437	10.240	2431.920	2442.160	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.640	2404.200	2419.840	0.5	PASS
		2437	15.760	2429.120	2444.880	0.5	PASS
		2462	15.520	2454.440	2469.960	0.5	PASS
11N20SISO	Ant1	2412	16.320	2403.760	2420.080	0.5	PASS
		2437	17.040	2428.480	2445.520	0.5	PASS
		2462	16.280	2453.480	2469.760	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.480	2440.160	0.5	PASS
		2437	35.040	2419.800	2454.840	0.5	PASS
		2452	35.920	2434.160	2470.080	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



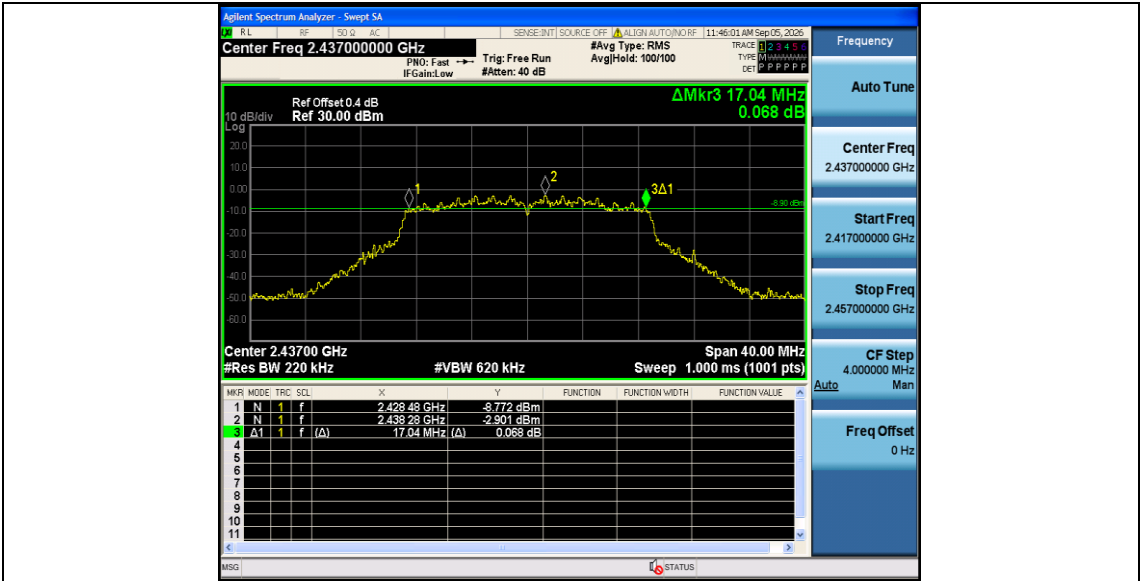
11G_Ant1_2462



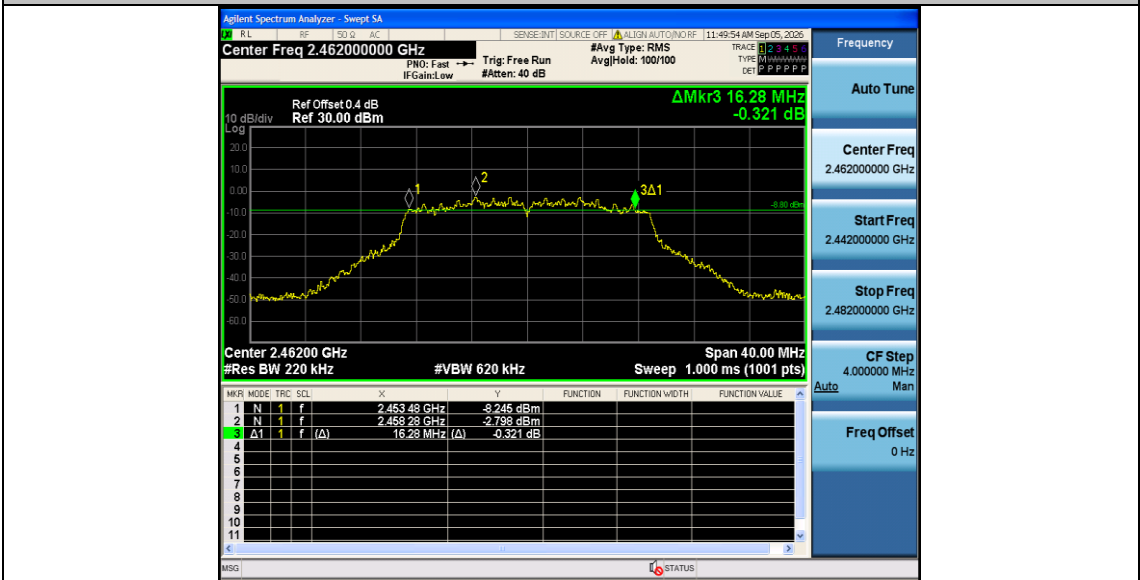
11N20SISO_Ant1_2412



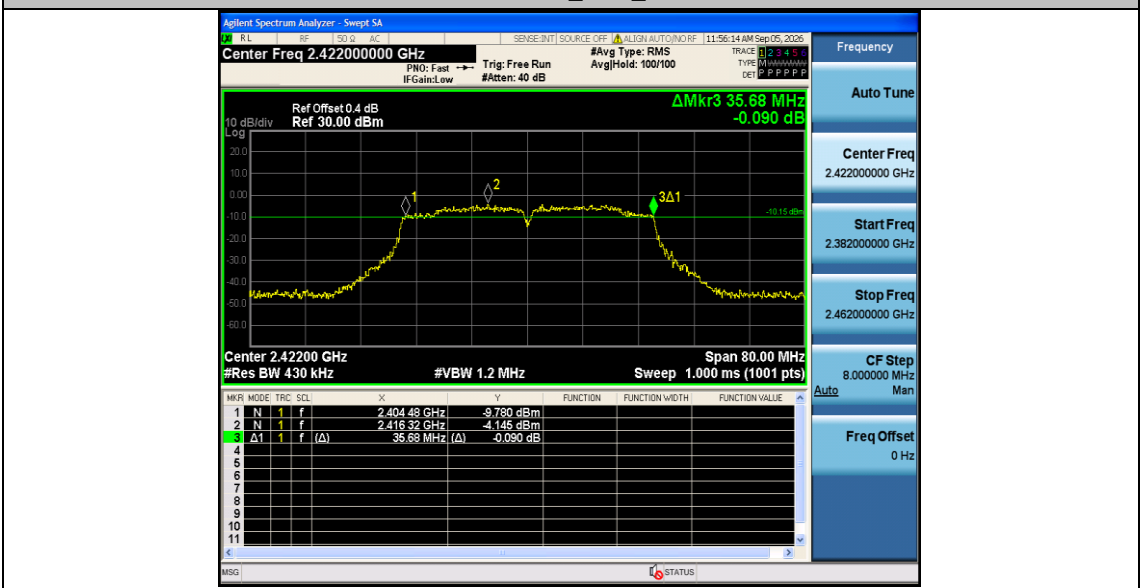
11N20SISO_Ant1_2437



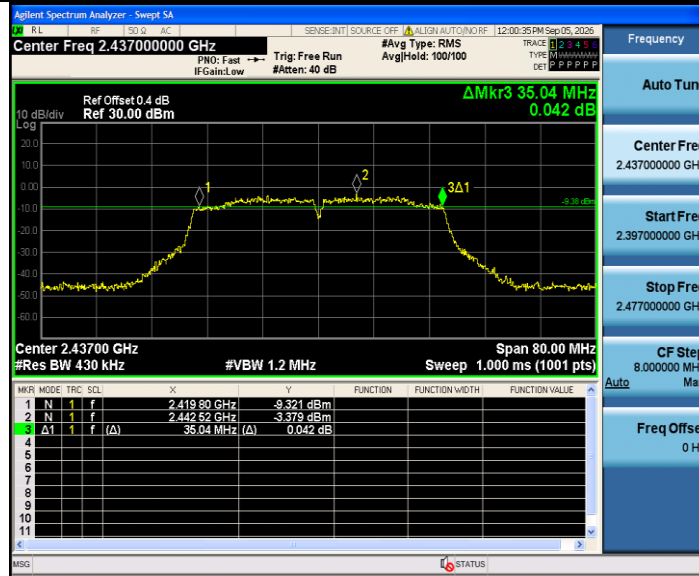
11N20SISO_Ant1_2462



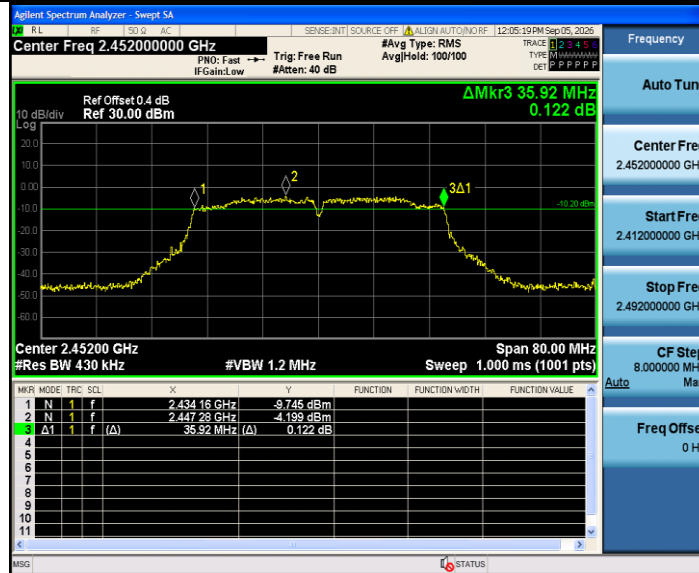
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



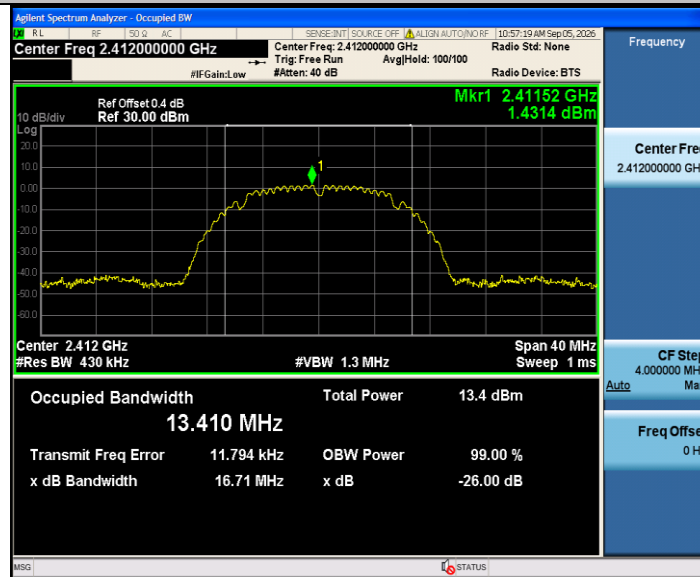
Appendix B: Occupied Channel Bandwidth

Test Result

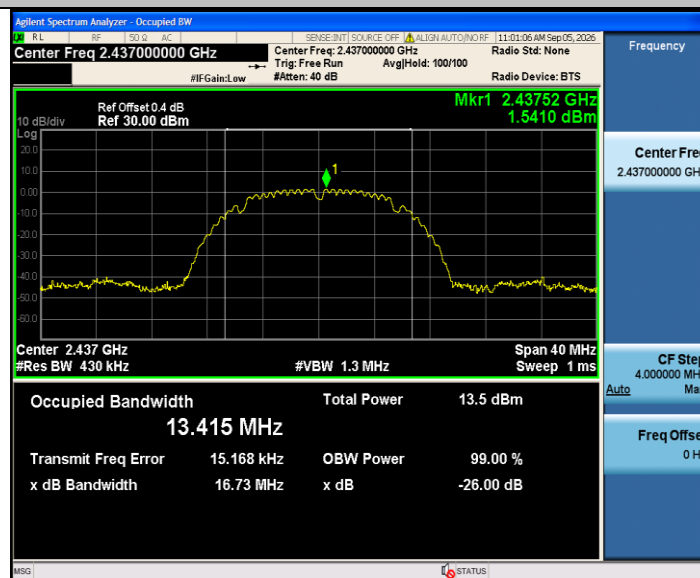
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.410	2405.3068	2418.7168	---	---
		2437	13.415	2430.3077	2443.7227	---	---
		2462	13.416	2455.3201	2468.7361	---	---
11G	Ant1	2412	16.843	2403.6001	2420.4431	---	---
		2437	16.864	2428.6048	2445.4688	---	---
		2462	16.788	2453.6256	2470.4136	---	---
11N20SISO	Ant1	2412	17.887	2403.0781	2420.9651	---	---
		2437	17.868	2428.0713	2445.9393	---	---
		2462	17.913	2453.0572	2470.9702	---	---
11N40SISO	Ant1	2422	36.092	2404.1048	2440.1968	---	---
		2437	36.059	2419.1389	2455.1979	---	---
		2452	36.092	2434.1255	2470.2175	---	---

Test Graphs

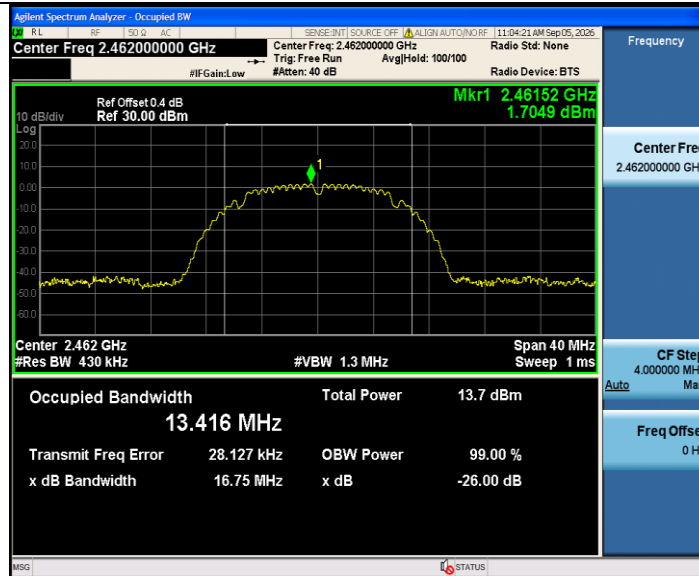
11B_Ant1_2412



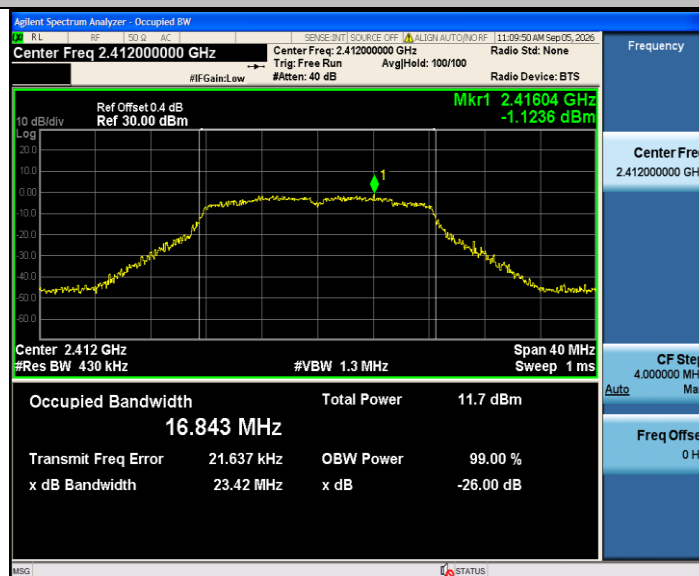
11B_Ant1_2437



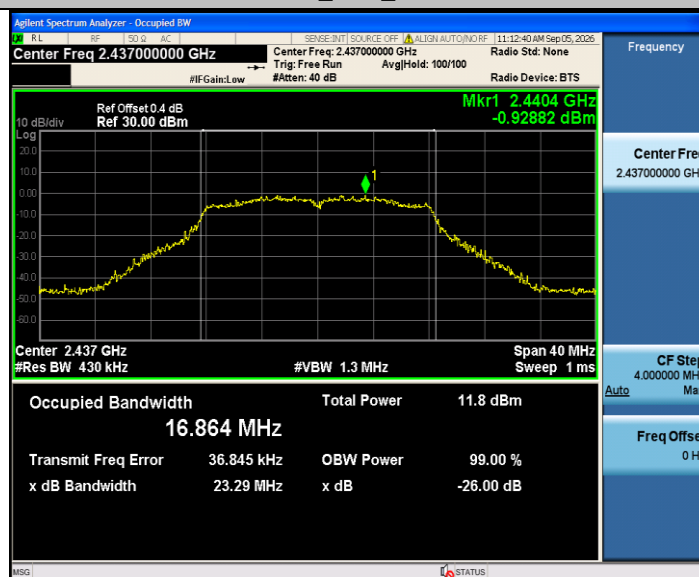
11B_Ant1_2462



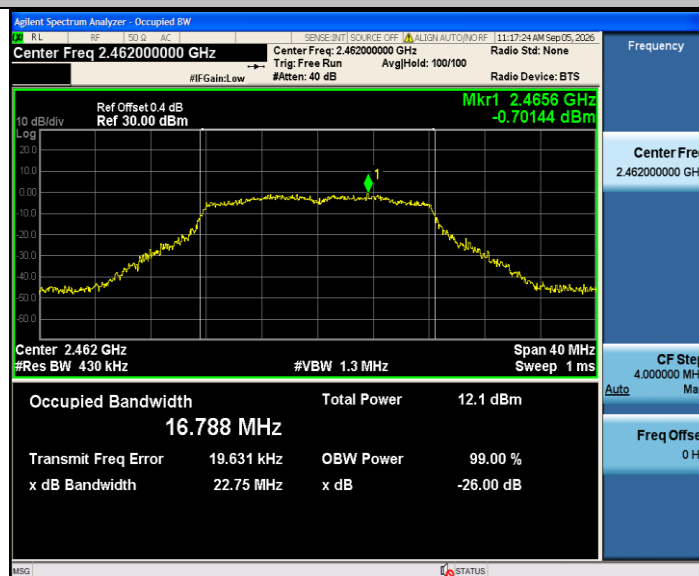
11G_Ant1_2412



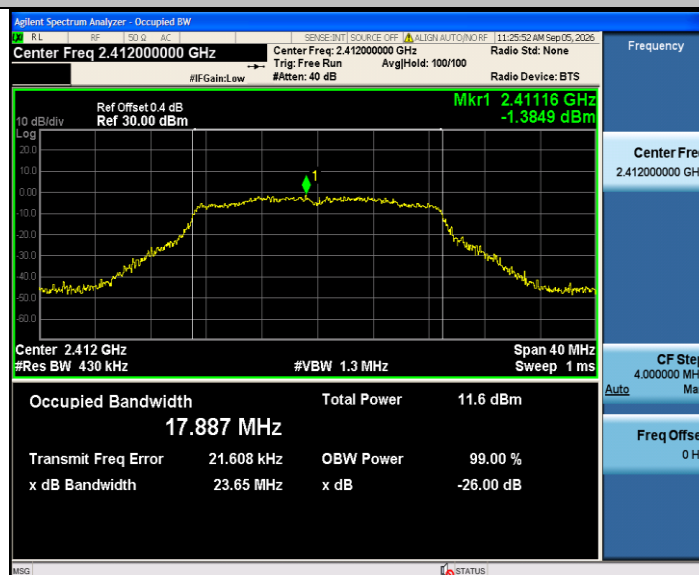
11G_Ant1_2437



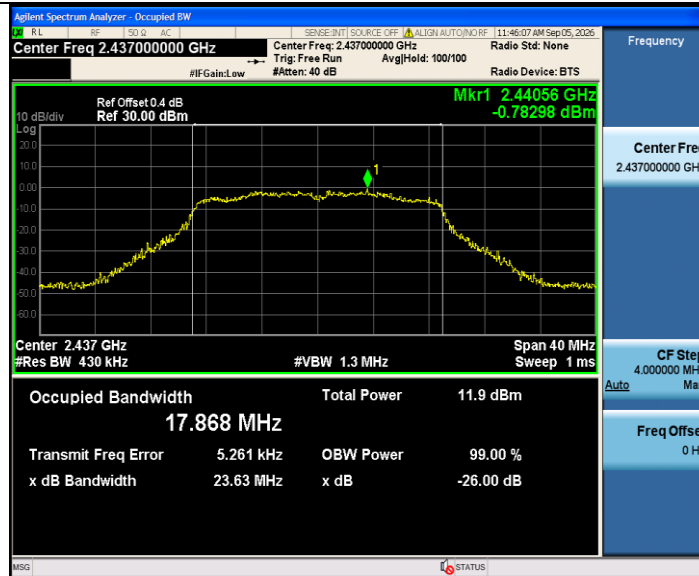
11G_Ant1_2462



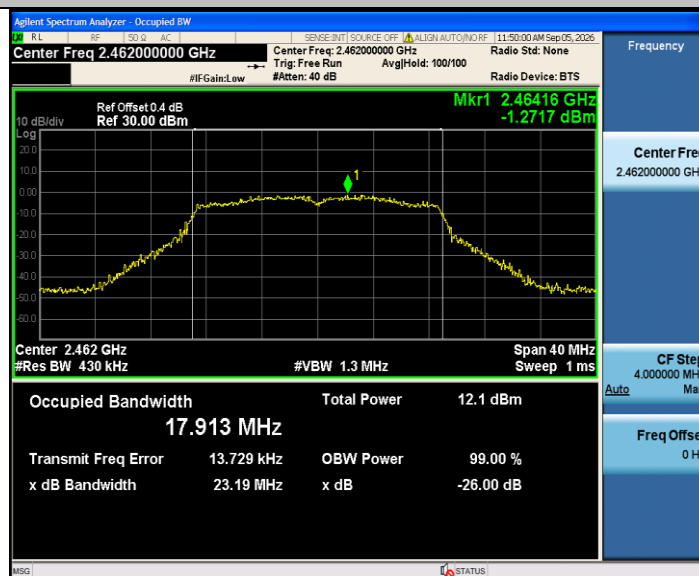
11N20SISO_Ant1_2412



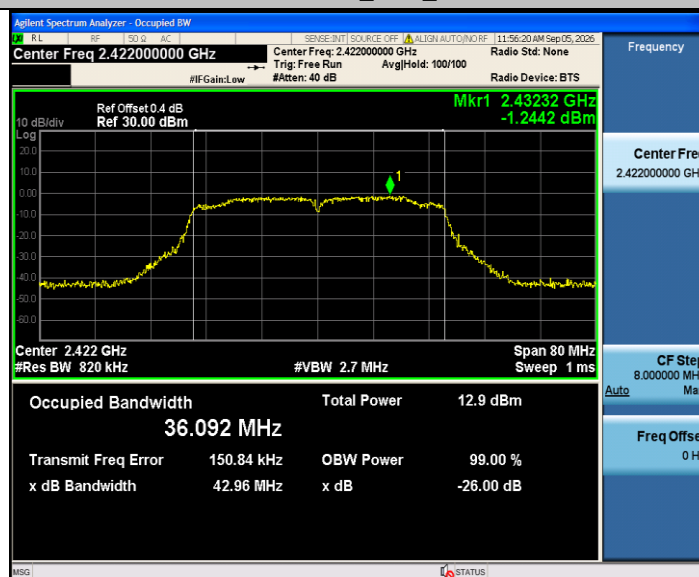
11N20SISO_Ant1_2437



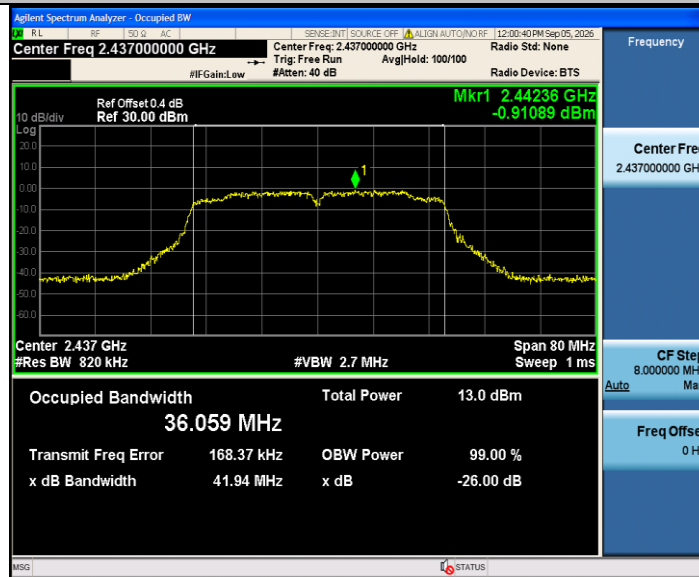
11N20SISO_Ant1_2462



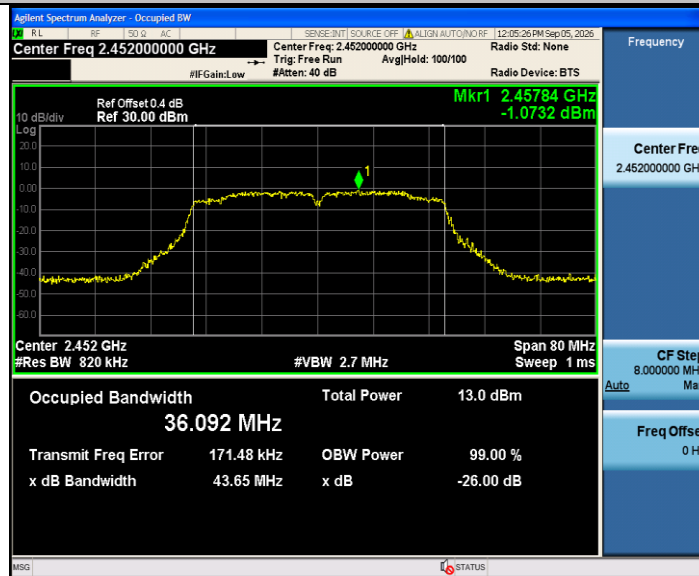
11N40SISO_Ant1_2422



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	13.09	≤30.00	PASS
		2437	13.25	≤30.00	PASS
		2462	13.36	≤30.00	PASS
11G	Ant1	2412	12.58	≤30.00	PASS
		2437	12.81	≤30.00	PASS
		2462	13.06	≤30.00	PASS
11N20SISO	Ant1	2412	12.44	≤30.00	PASS
		2437	12.73	≤30.00	PASS
		2462	12.84	≤30.00	PASS
11N40SISO	Ant1	2422	12.96	≤30.00	PASS
		2437	13.16	≤30.00	PASS
		2452	13.09	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

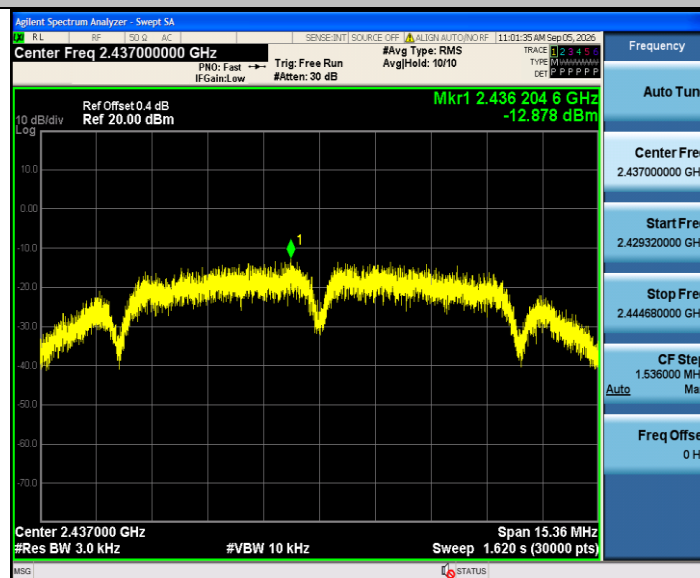
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.17	≤8.00	PASS
		2437	-12.88	≤8.00	PASS
		2462	-12.28	≤8.00	PASS
11G	Ant1	2412	-17.96	≤8.00	PASS
		2437	-18.67	≤8.00	PASS
		2462	-18.93	≤8.00	PASS
11N20SISO	Ant1	2412	-19.26	≤8.00	PASS
		2437	-18.52	≤8.00	PASS
		2462	-19.15	≤8.00	PASS
11N40SISO	Ant1	2422	-21.83	≤8.00	PASS
		2437	-19.60	≤8.00	PASS
		2452	-21.41	≤8.00	PASS

Test Graphs

11B_Ant1_2412



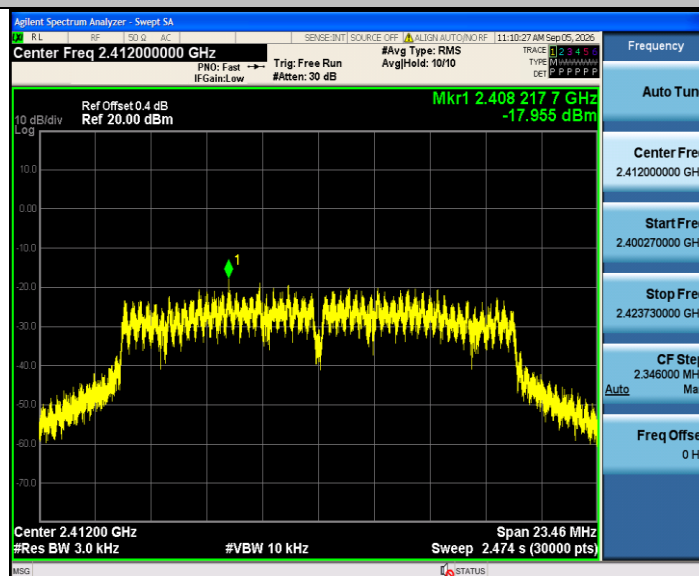
11B_Ant1_2437



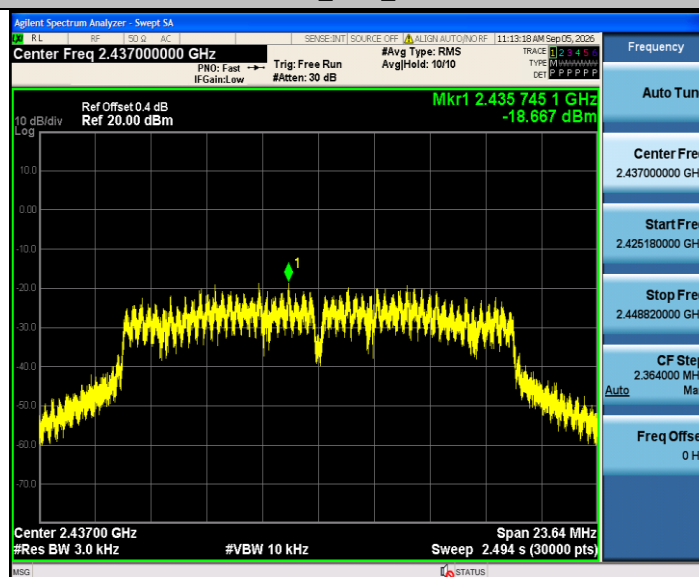
11B_Ant1_2462



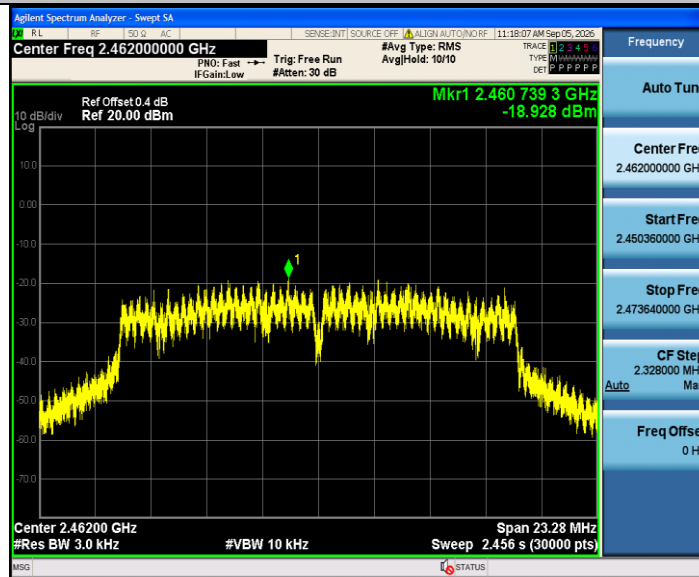
11G_Ant1_2412



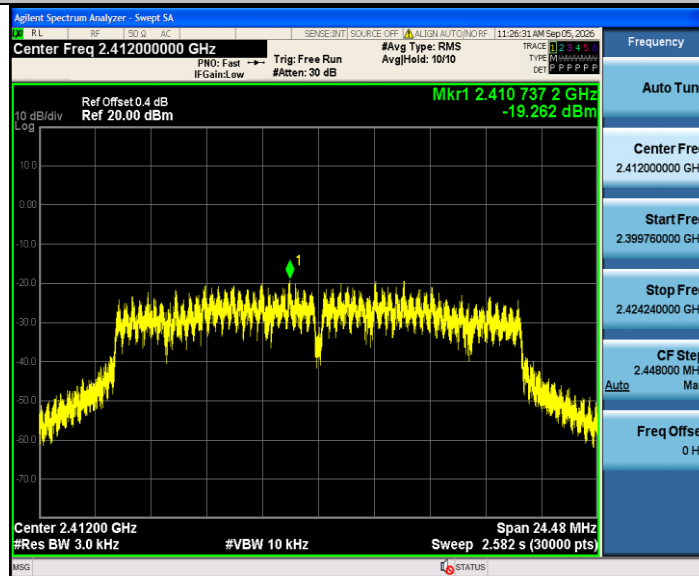
11G_Ant1_2437



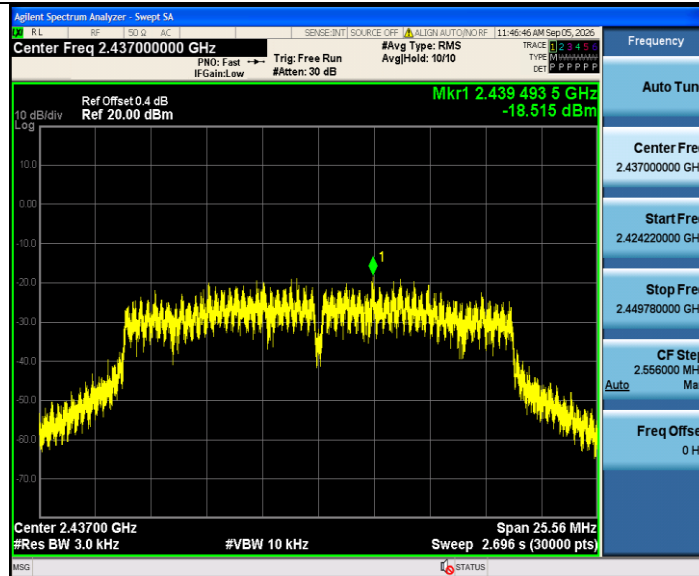
11G_Ant1_2462



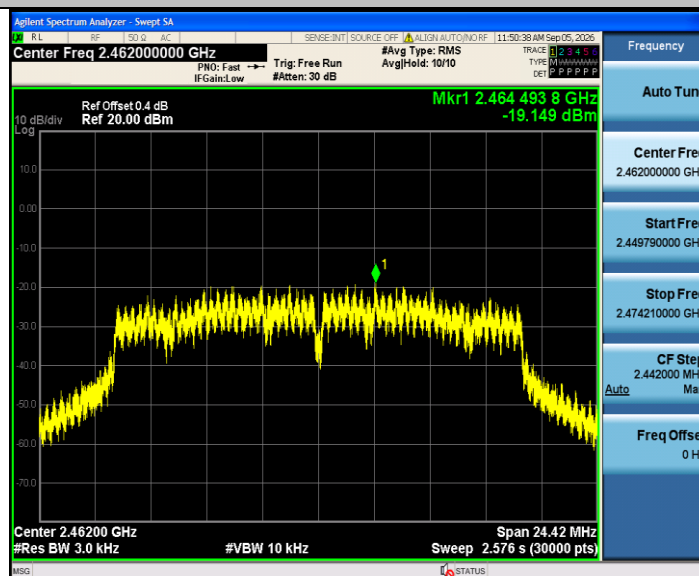
11N20SISO_Ant1_2412



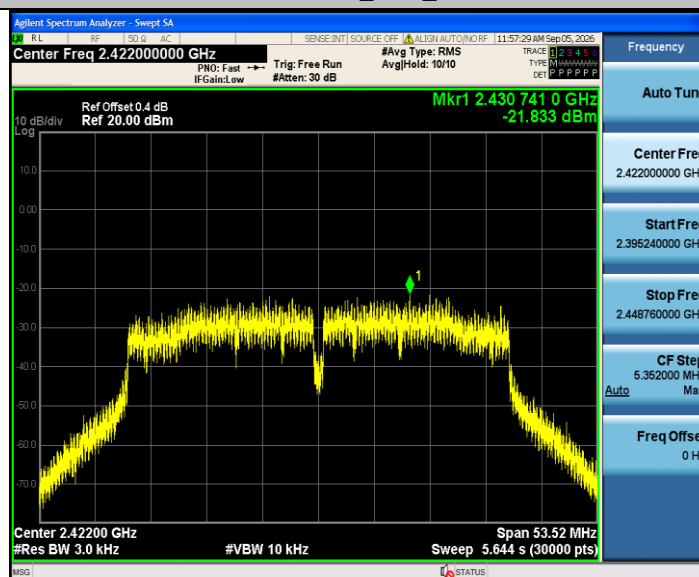
11N20SISO_Ant1_2437



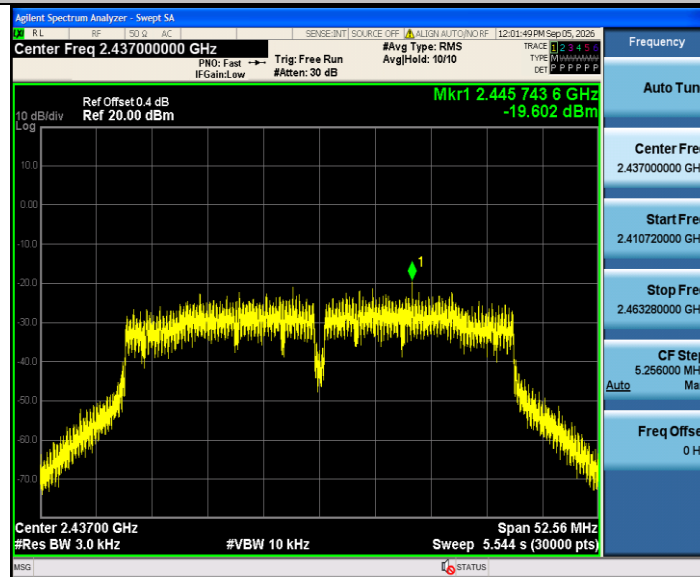
11N20SISO_Ant1_2462



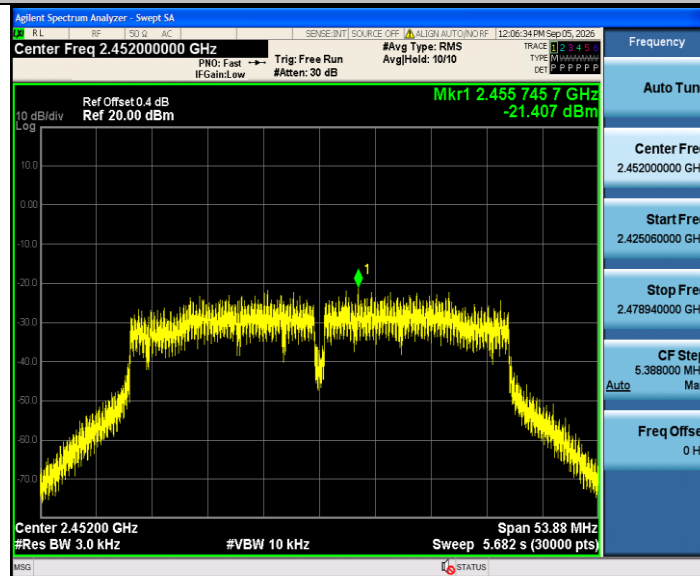
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



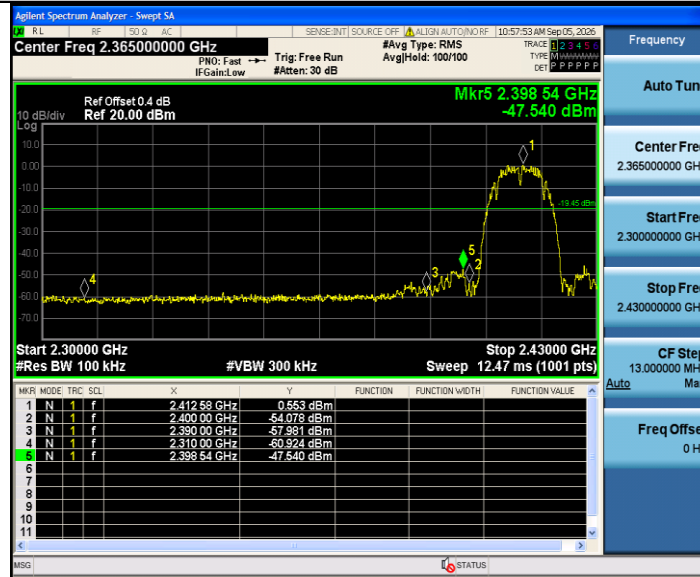
Appendix E: Band edge measurements

Test Result

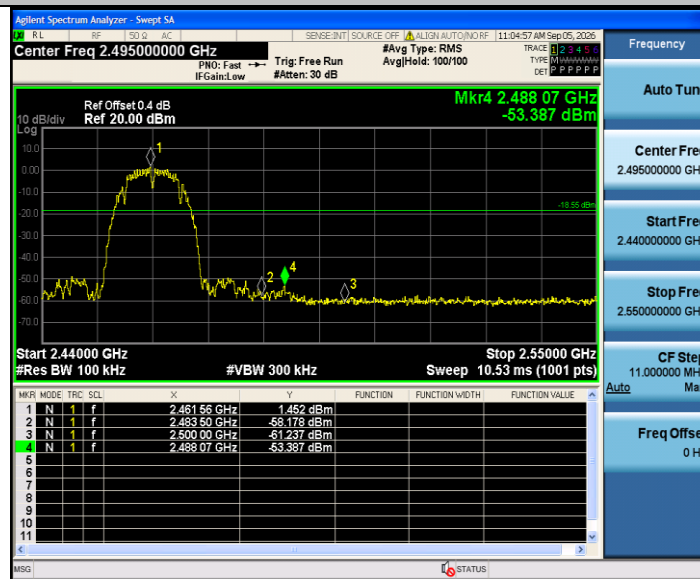
Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.55	-47.54	≤-19.45	PASS
		High	2462	1.45	-53.39	≤-18.55	PASS
11G	Ant1	Low	2412	-3.78	-35.54	≤-23.78	PASS
		High	2462	-3.42	-57.78	≤-23.42	PASS
11N20SISO	Ant1	Low	2412	-3.75	-35.33	≤-23.75	PASS
		High	2462	-3.59	-57.28	≤-23.59	PASS
11N40SISO	Ant1	Low	2422	-6.97	-35.4	≤-26.97	PASS
		High	2452	-7.07	-57.42	≤-27.07	PASS

Test Graphs

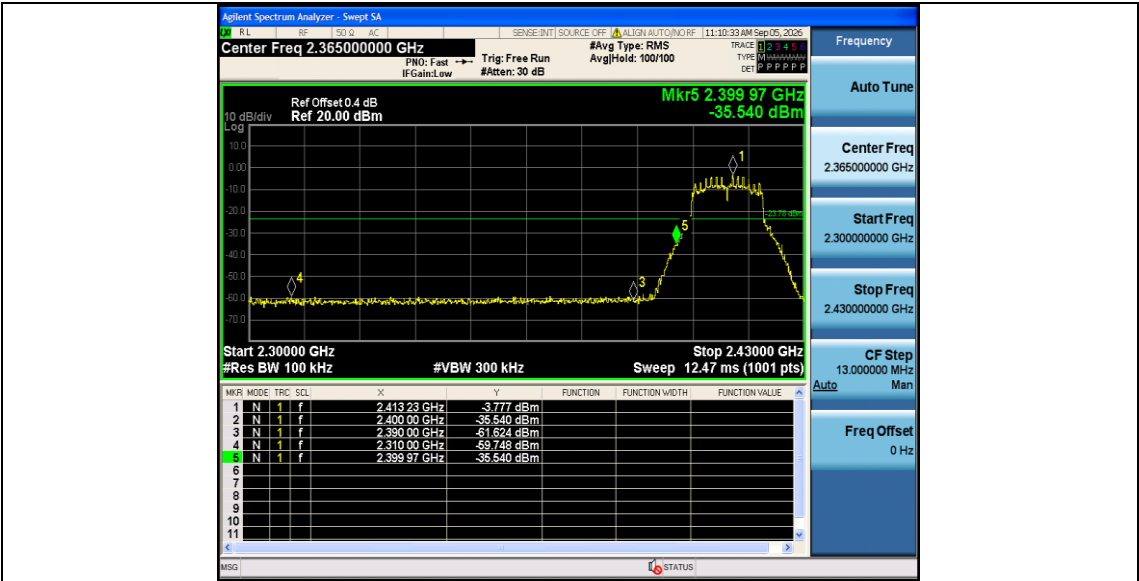
11B_Ant1_Low_2412



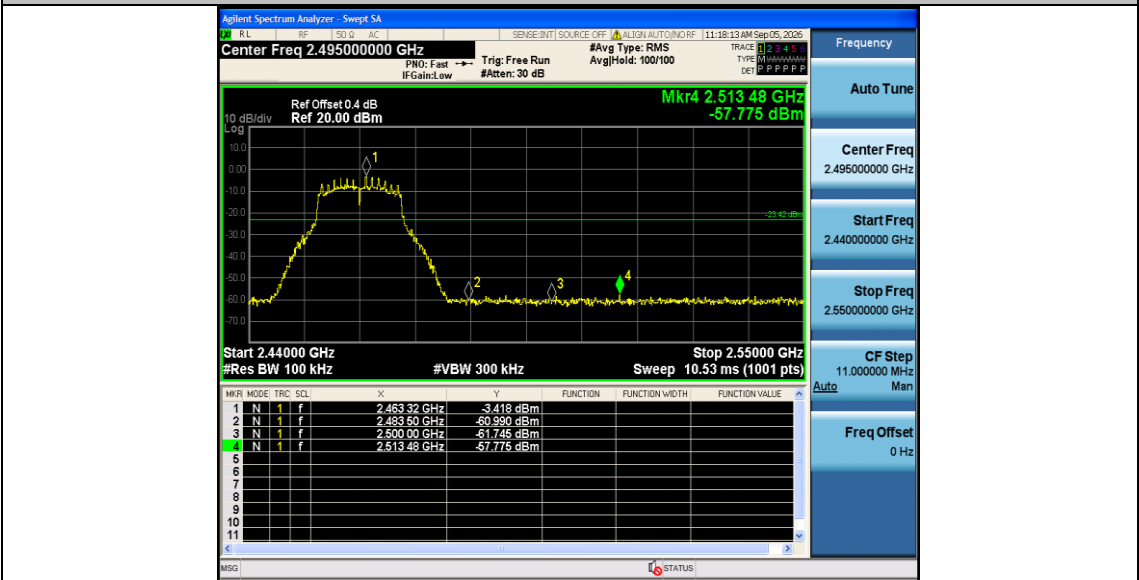
11B_Ant1_High_2462



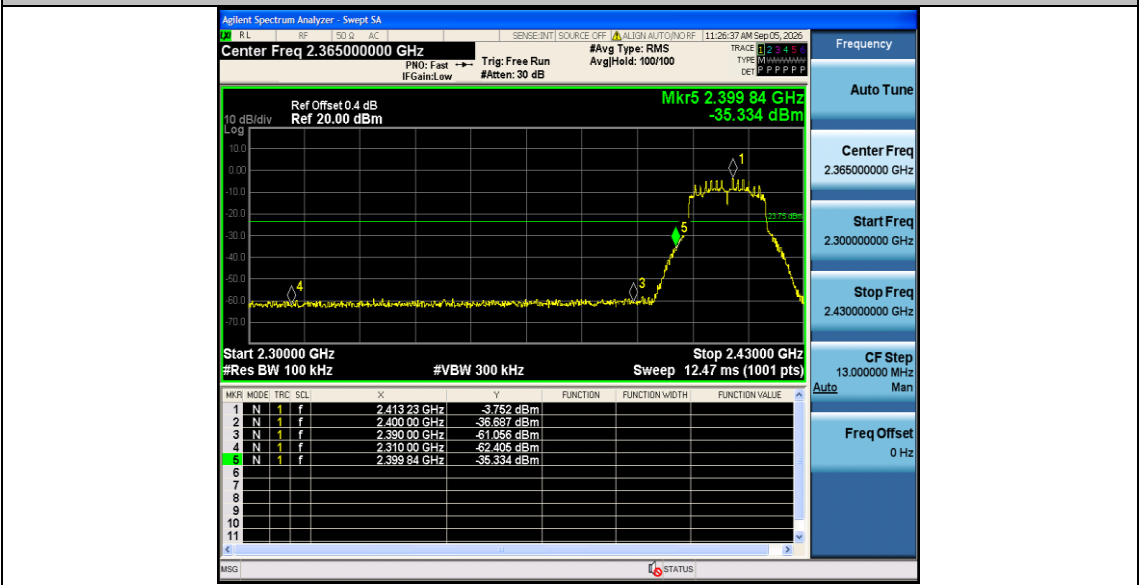
11G_Ant1_Low_2412



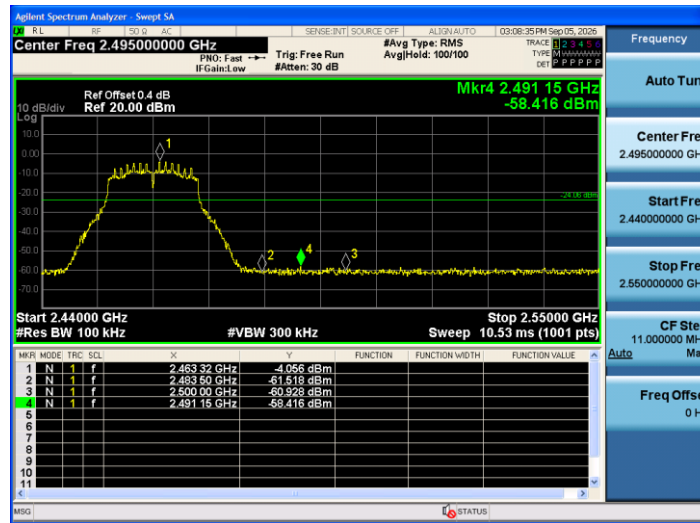
11G_Ant1_High_2462



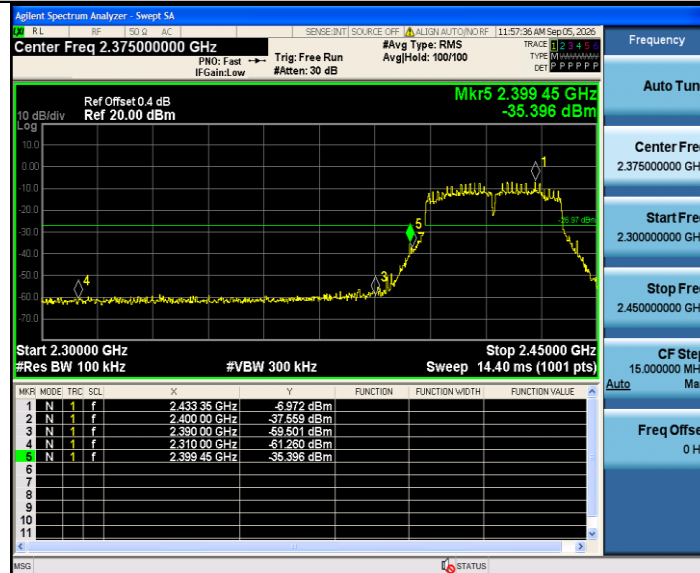
11N20SISO_Ant1_Low_2412



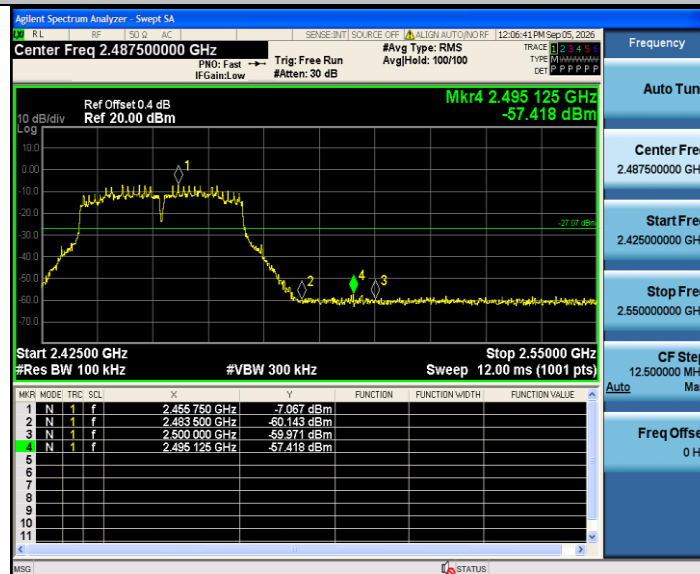
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

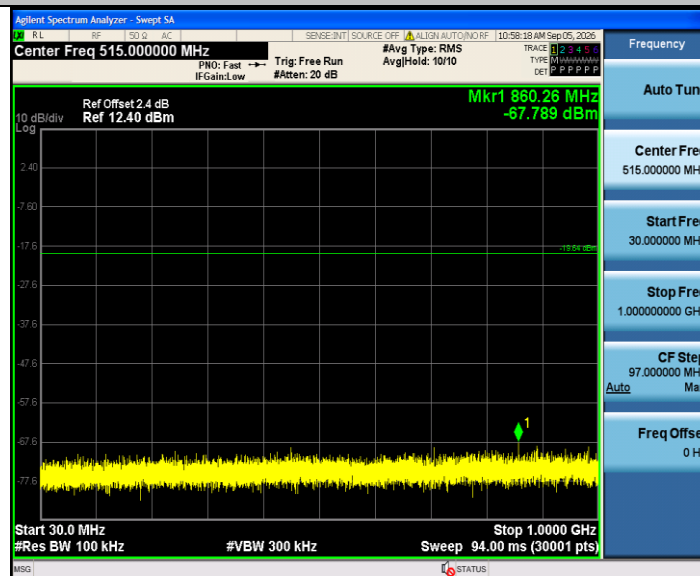
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.36	0.36	---	PASS
			30~1000	0.36	-67.79	≤-19.64	PASS
			1000~26500	0.36	-46.58	≤-19.64	PASS
		2437	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-69.06	≤-19.25	PASS
			1000~26500	0.75	-46.36	≤-19.25	PASS
		2462	Reference	0.47	0.47	---	PASS
			30~1000	0.47	-68.34	≤-19.53	PASS
			1000~26500	0.47	-46.78	≤-19.53	PASS
11G	Ant1	2412	Reference	-4.49	-4.49	---	PASS
			30~1000	-4.49	-68.98	≤-24.49	PASS
			1000~26500	-4.49	-46.91	≤-24.49	PASS
		2437	Reference	-3.60	-3.60	---	PASS
			30~1000	-3.60	-68.95	≤-23.6	PASS
			1000~26500	-3.60	-46.35	≤-23.6	PASS
		2462	Reference	-4.36	-4.36	---	PASS
			30~1000	-4.36	-68.54	≤-24.36	PASS
			1000~26500	-4.36	-45.78	≤-24.36	PASS
11N20SISO	Ant1	2412	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-68.75	≤-24.39	PASS
			1000~26500	-4.39	-46.68	≤-24.39	PASS
		2437	Reference	-4.30	-4.30	---	PASS
			30~1000	-4.30	-68.58	≤-24.3	PASS
			1000~26500	-4.30	-46.4	≤-24.3	PASS
		2462	Reference	-3.72	-3.72	---	PASS
			30~1000	-3.72	-65.52	≤-23.72	PASS
			1000~26500	-3.72	-46.48	≤-23.72	PASS
11N40SISO	Ant1	2422	Reference	-7.72	-7.72	---	PASS
			30~1000	-7.72	-68.35	≤-27.72	PASS
			1000~26500	-7.72	-46.6	≤-27.72	PASS
		2437	Reference	-7.15	-7.15	---	PASS
			30~1000	-7.15	-68.64	≤-27.15	PASS
			1000~26500	-7.15	-46.42	≤-27.15	PASS
		2452	Reference	-6.82	-6.82	---	PASS
			30~1000	-6.82	-68.77	≤-26.82	PASS
			1000~26500	-6.82	-46.83	≤-26.82	PASS

Test Graphs

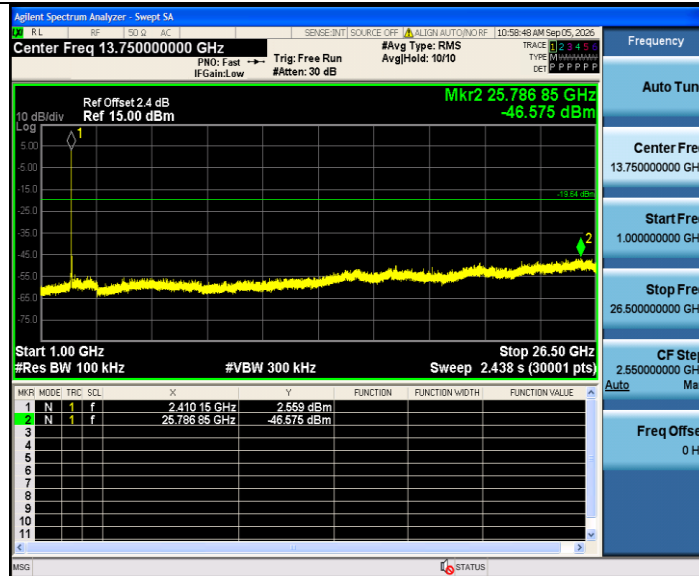
11B_Ant1_2412_0~Reference



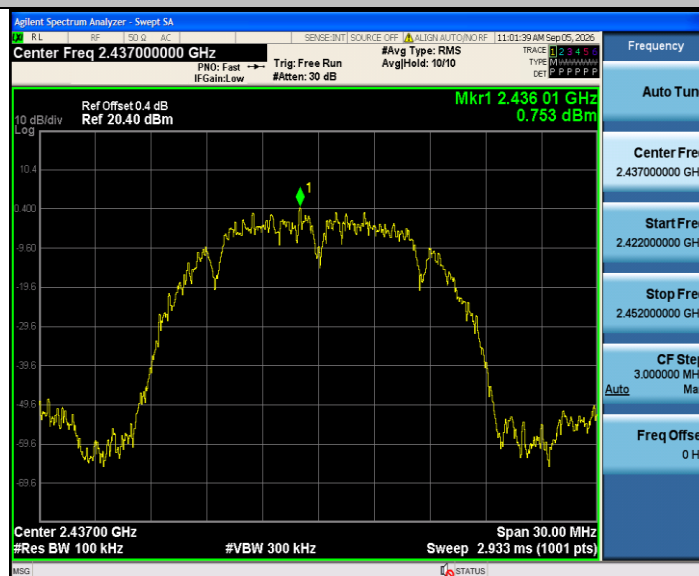
11B_Ant1_2412_30~1000



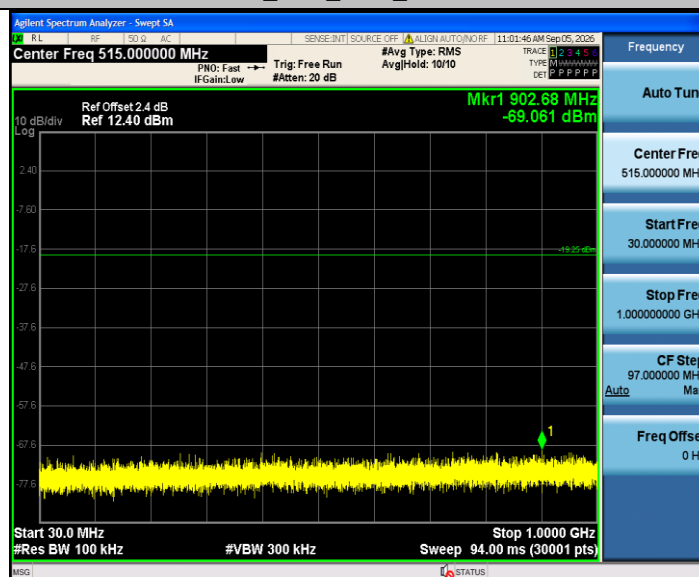
11B_Ant1_2412_1000~26500



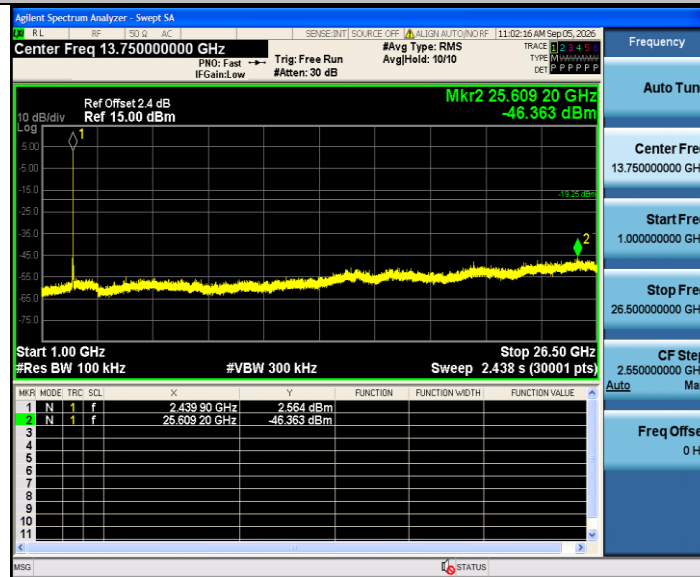
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



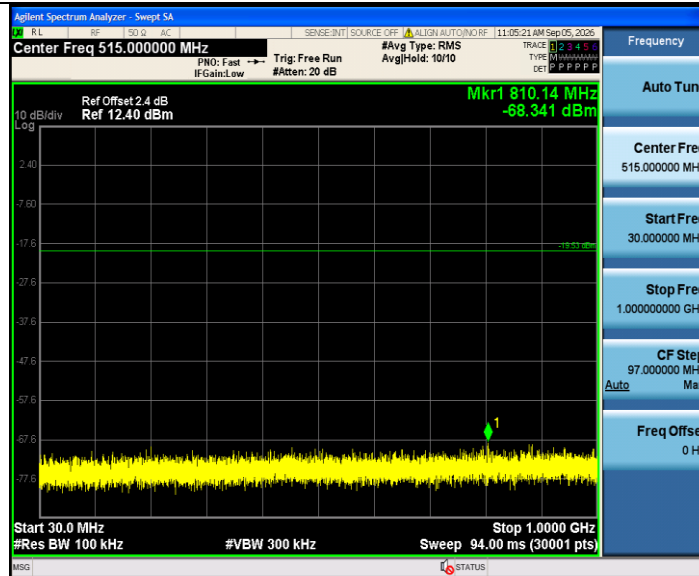
11B_Ant1_2437_1000~26500



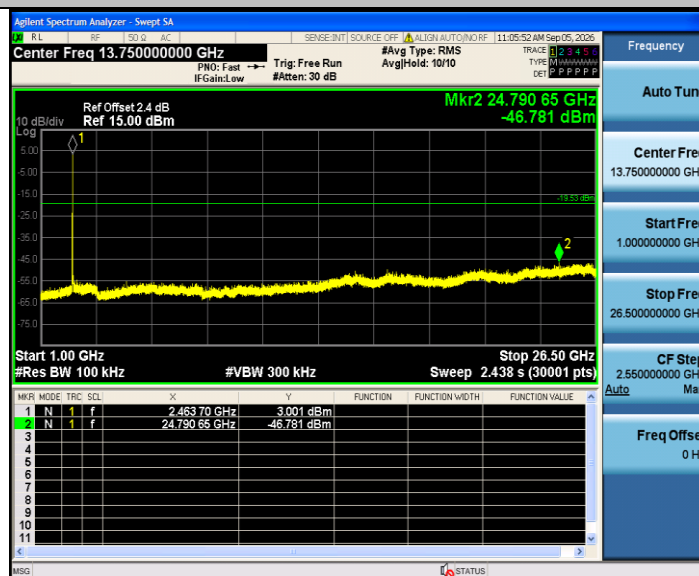
11B_Ant1_2462_0~Reference



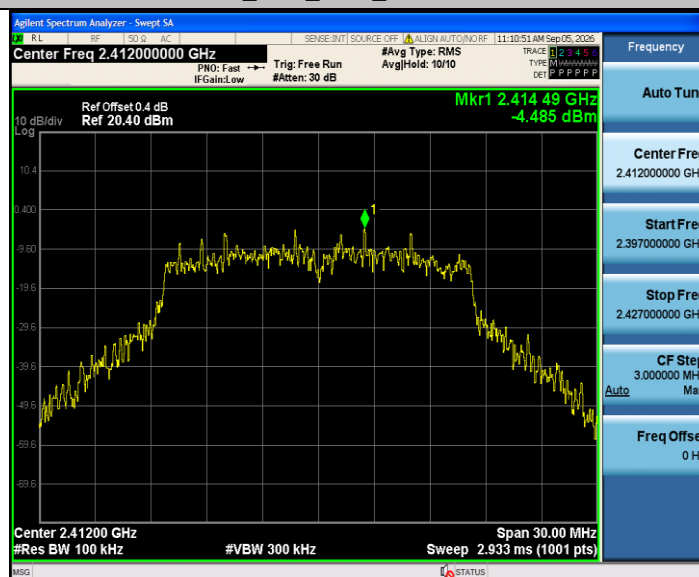
11B_Ant1_2462_30~1000



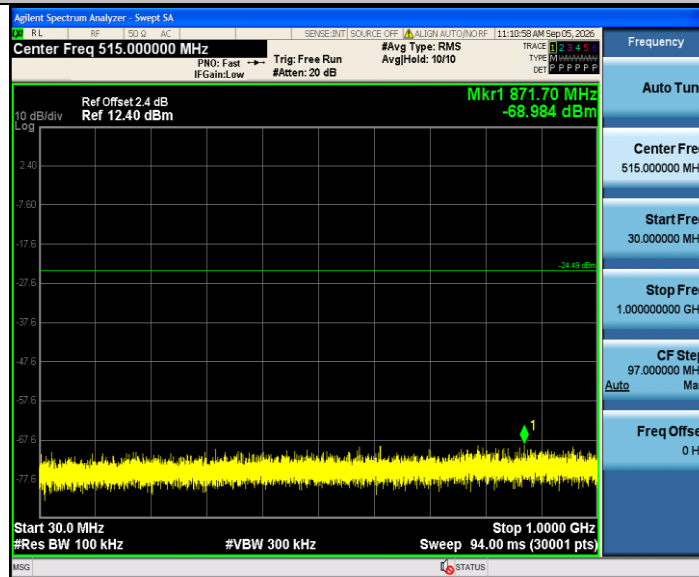
11B_Ant1_2462_1000~26500



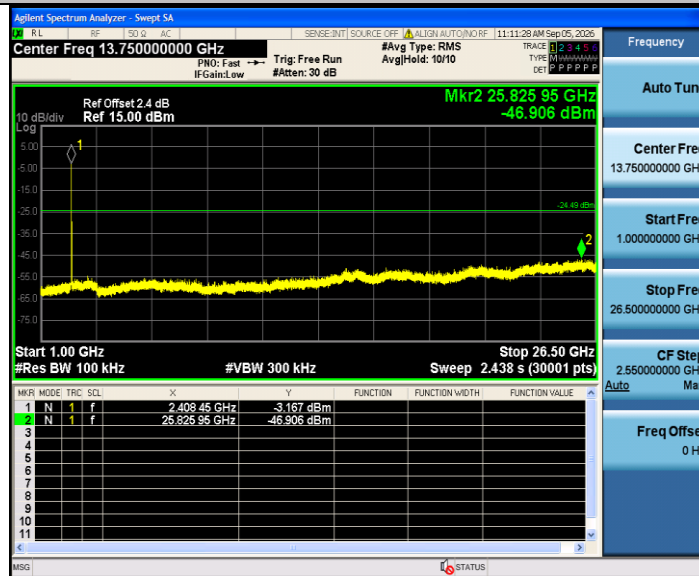
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



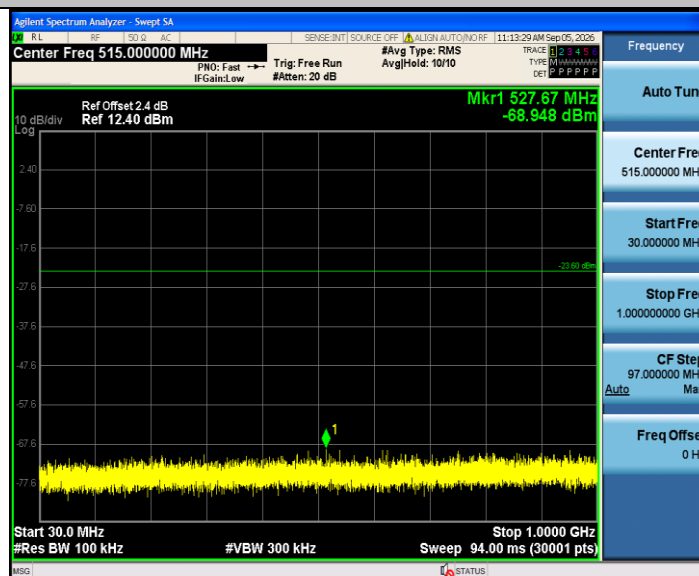
11G_Ant1_2412_1000~26500



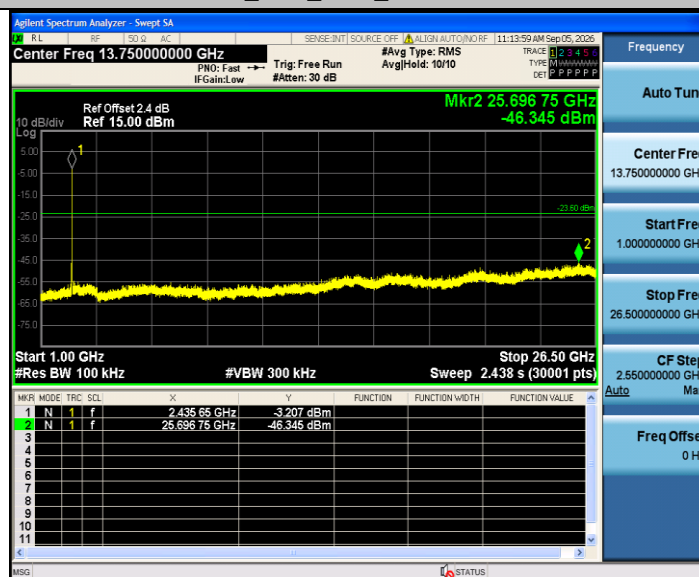
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



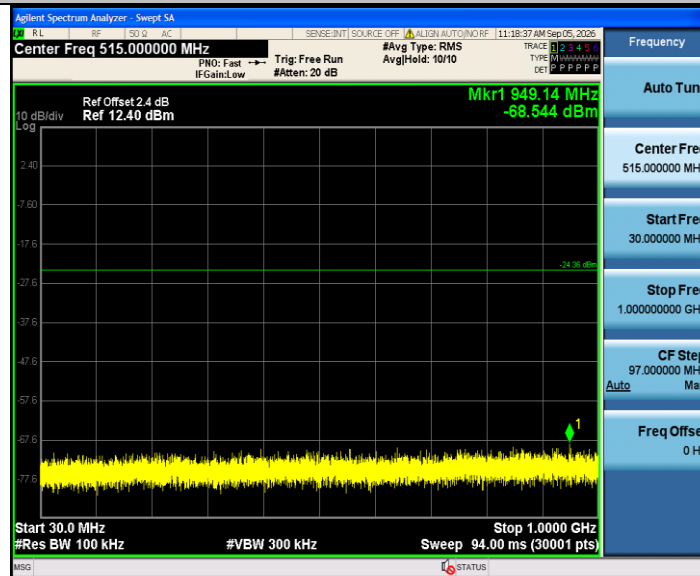
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500