

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2AW5W-DT2

Company : REXING INC.

EUT : Dash Cam

Model Number : DT2

Report No. : CTA25101601101

Reviewed By : Eric Wang

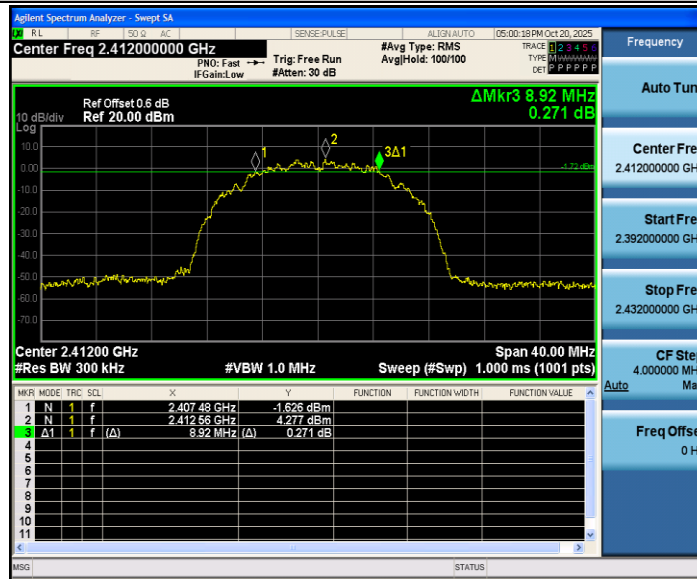
Appendix A: DTS Bandwidth

Test Result

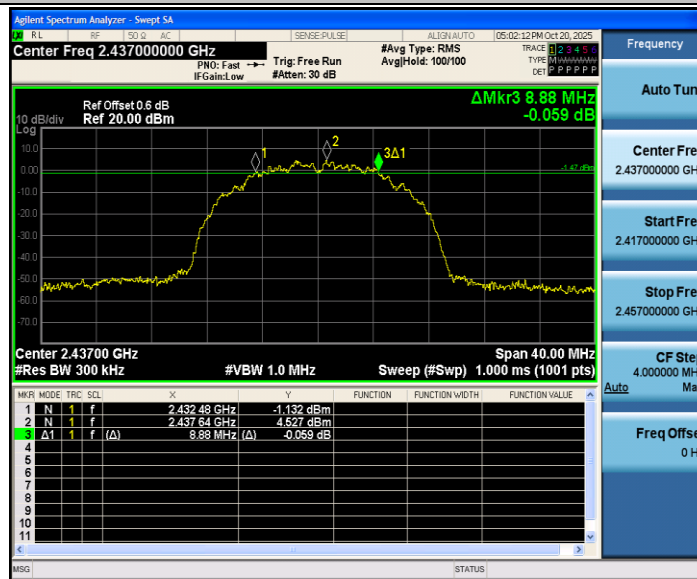
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.920	2407.480	2416.400	0.5	PASS
		2437	8.880	2432.480	2441.360	0.5	PASS
		2462	9.120	2457.480	2466.600	0.5	PASS
11G	Ant1	2412	16.280	2403.920	2420.200	0.5	PASS
		2437	16.440	2428.840	2445.280	0.5	PASS
		2462	16.360	2453.880	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.200	2403.520	2420.720	0.5	PASS
		2437	17.400	2428.360	2445.760	0.5	PASS
		2462	17.320	2453.400	2470.720	0.5	PASS
11N40SISO	Ant1	2422	33.840	2405.280	2439.120	0.5	PASS
		2437	33.920	2420.120	2454.040	0.5	PASS
		2452	33.840	2435.280	2469.120	0.5	PASS

Test Graphs

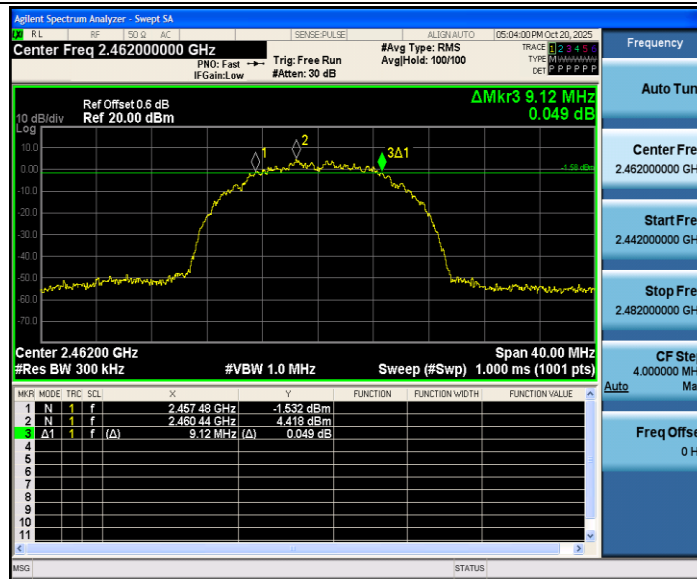
11B_Ant1_2412



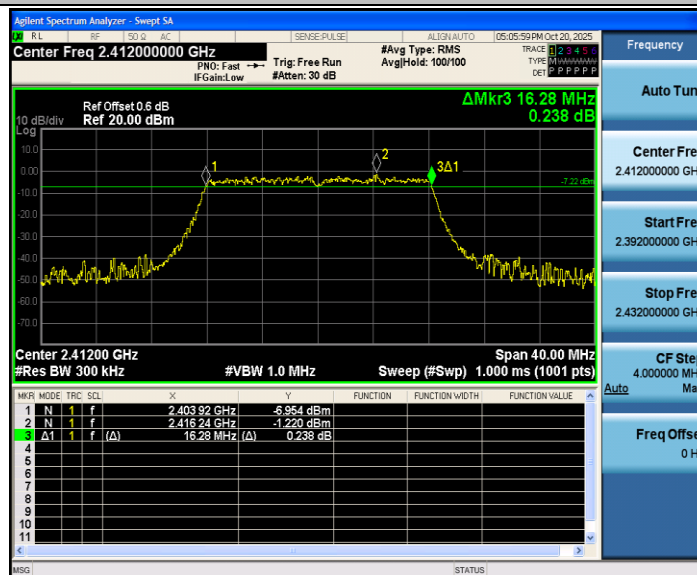
11B_Ant1_2437



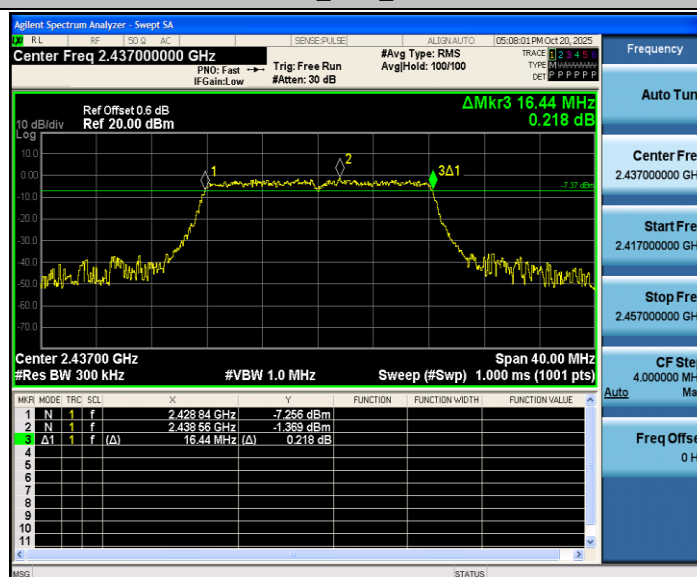
11B_Ant1_2462



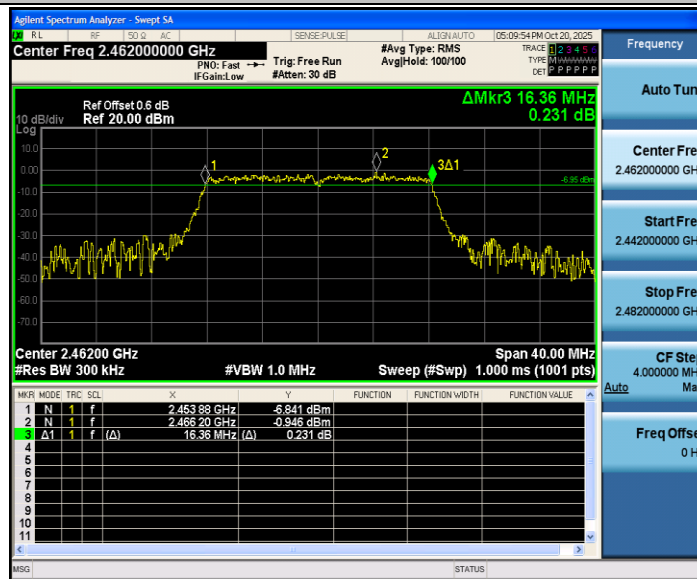
11G_Ant1_2412



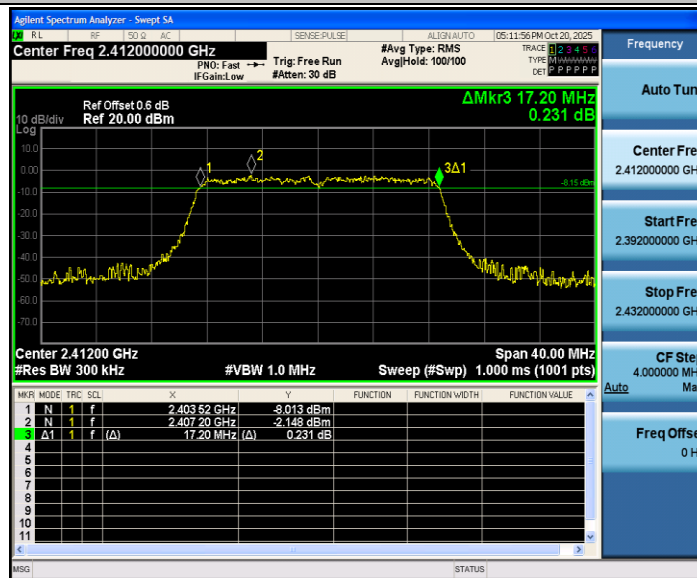
11G_Ant1_2437



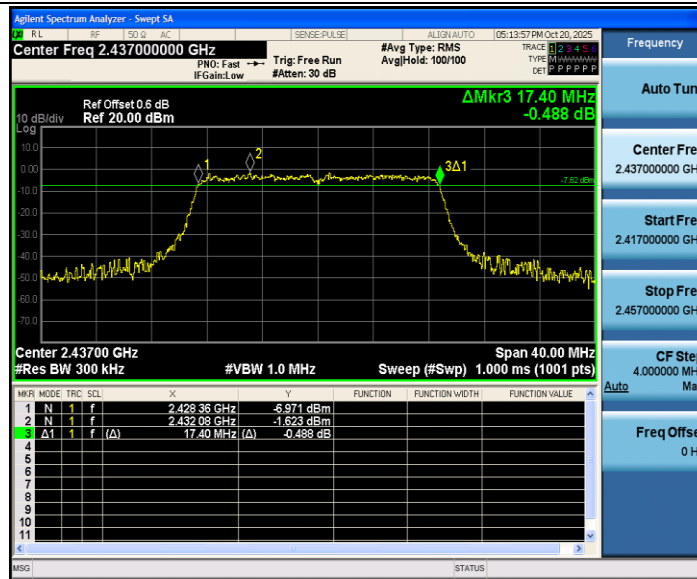
11G_Ant1_2462



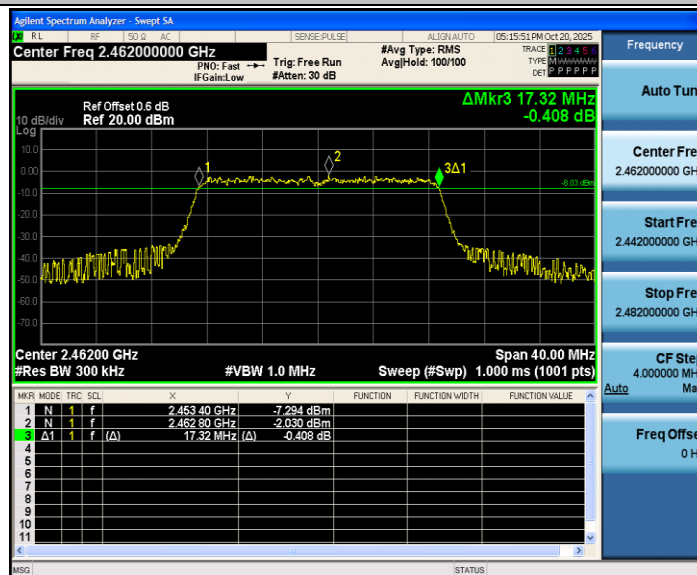
11N20SISO_Ant1_2412



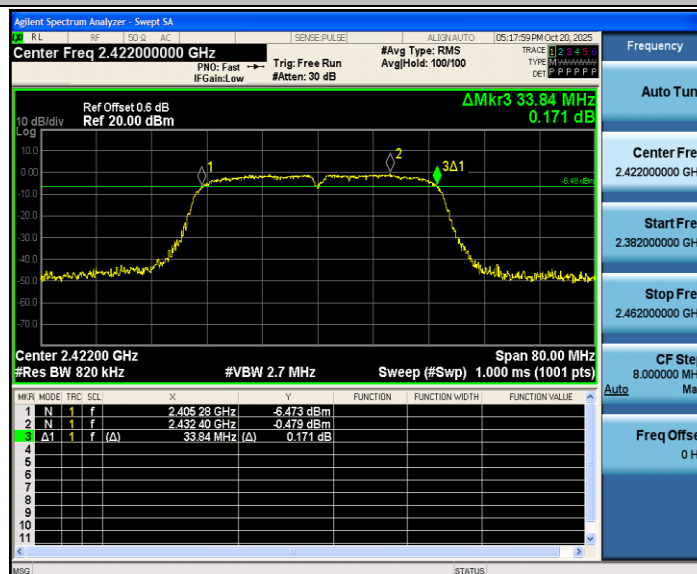
11N20SISO_Ant1_2437



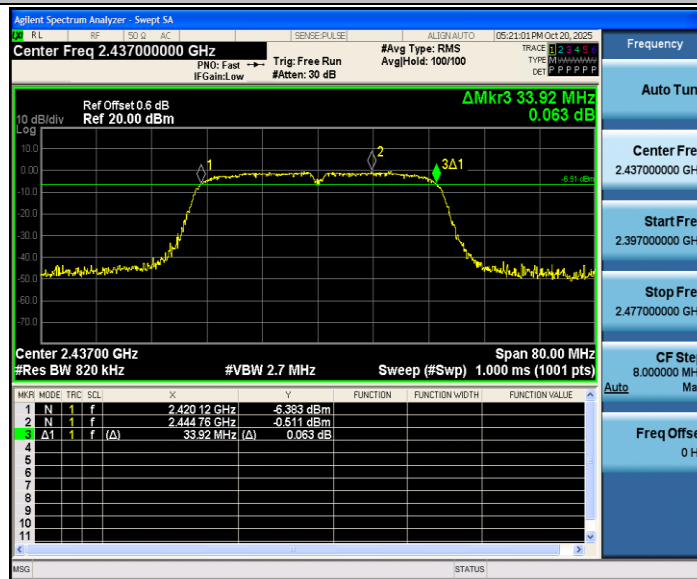
11N20SISO_Ant1_2462



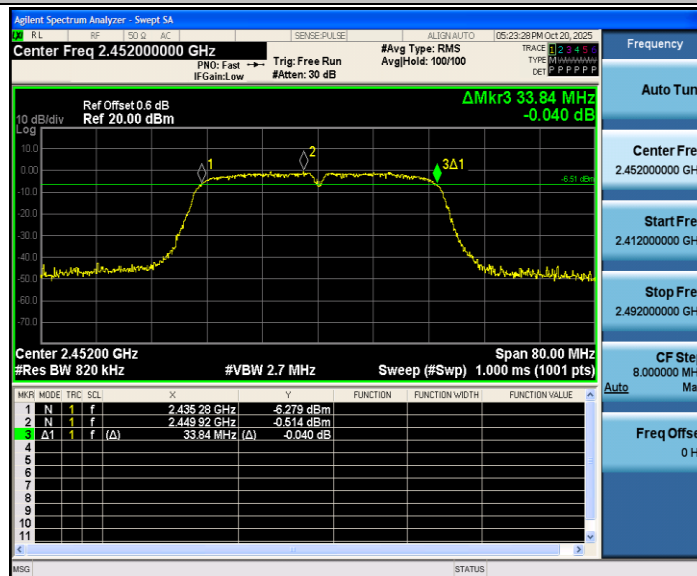
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



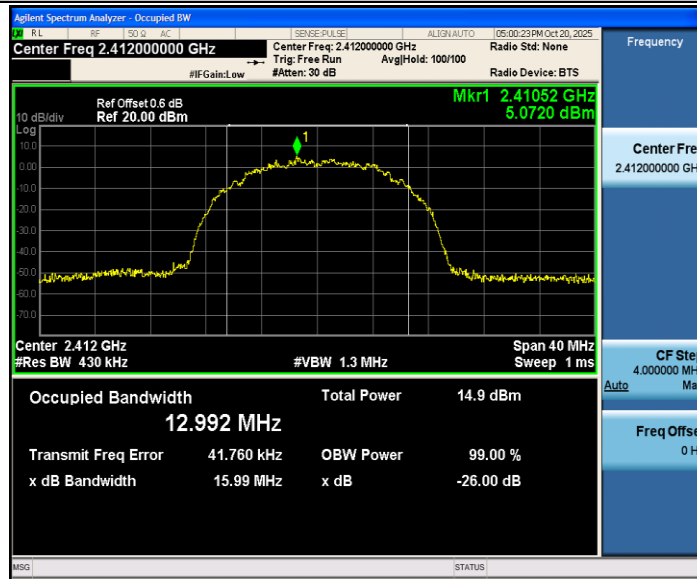
Appendix B: Occupied Channel Bandwidth

Test Result

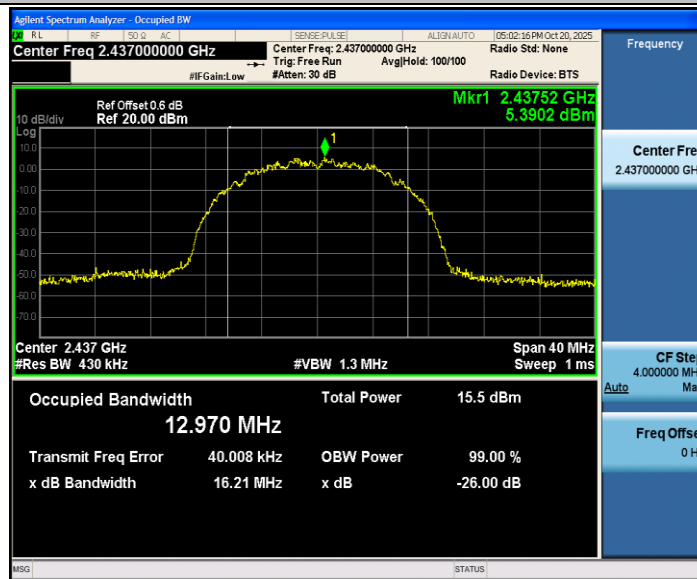
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.992	2405.5458	2418.5378	---	---
		2437	12.970	2430.5550	2443.5250	---	---
		2462	12.977	2455.5390	2468.5160	---	---
11G	Ant1	2412	16.574	2403.7575	2420.3315	---	---
		2437	16.577	2428.7531	2445.3301	---	---
		2462	16.576	2453.7421	2470.3181	---	---
11N20SISO	Ant1	2412	17.446	2403.3241	2420.7701	---	---
		2437	17.460	2428.3028	2445.7628	---	---
		2462	17.471	2453.3150	2470.7860	---	---
11N40SISO	Ant1	2422	34.847	2404.7511	2439.5981	---	---
		2437	34.889	2419.6822	2454.5712	---	---
		2452	34.787	2434.7162	2469.5032	---	---

Test Graphs

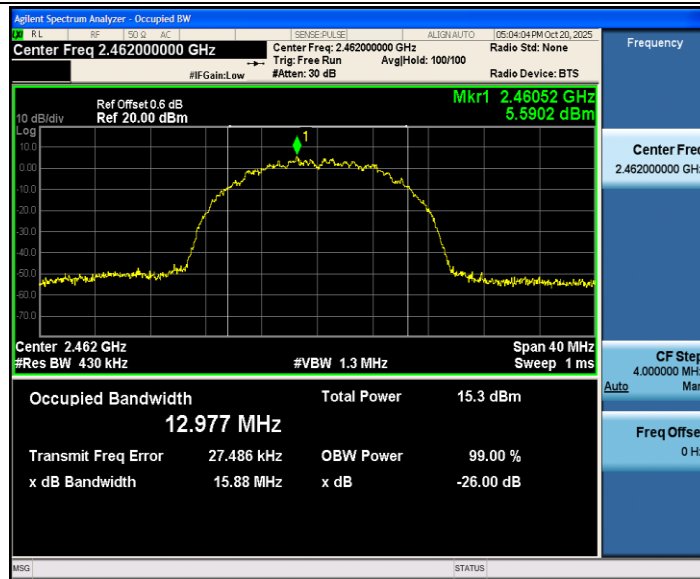
11B_Ant1_2412



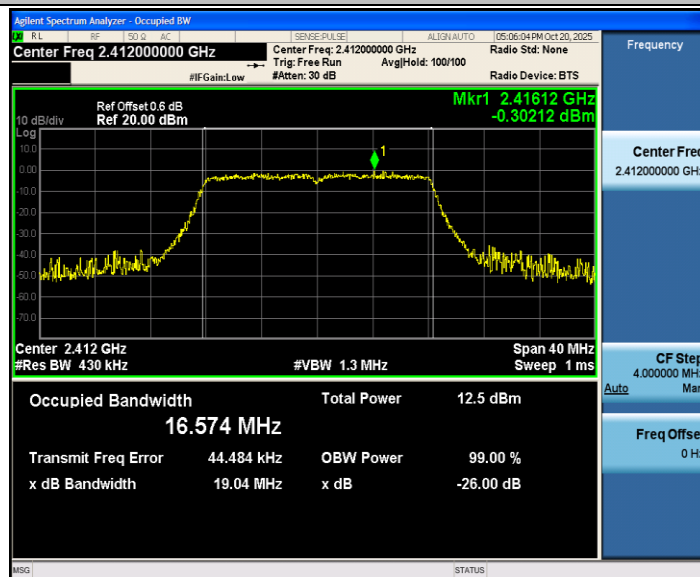
11B_Ant1_2437



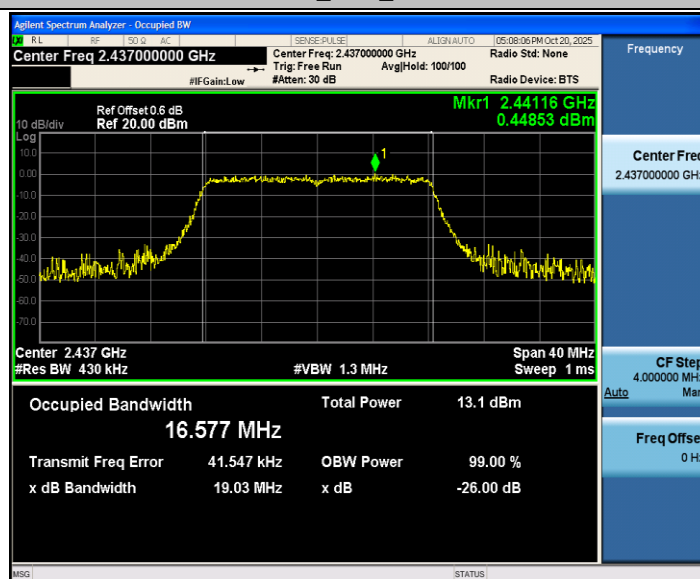
11B_Ant1_2462



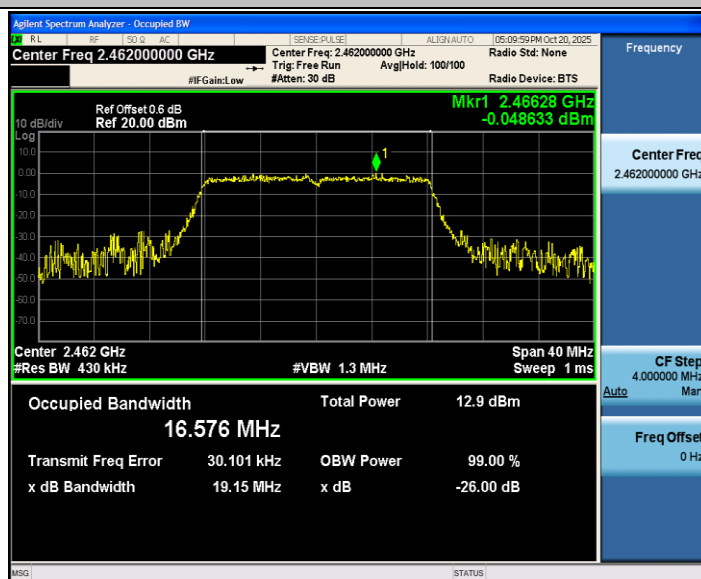
11G_Ant1_2412



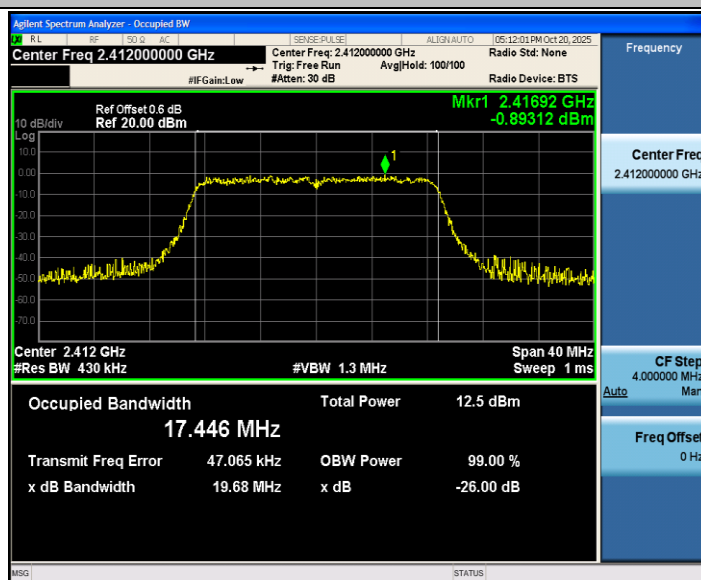
11G_Ant1_2437



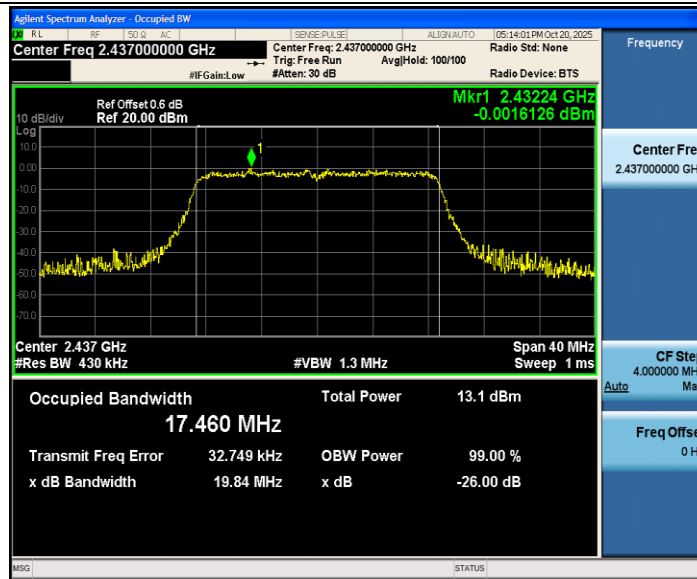
11G_Ant1_2462



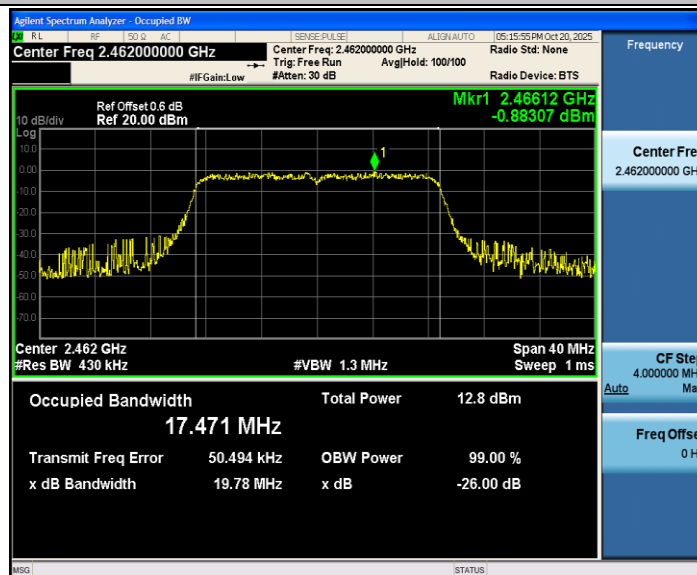
11N20SISO_Ant1_2412



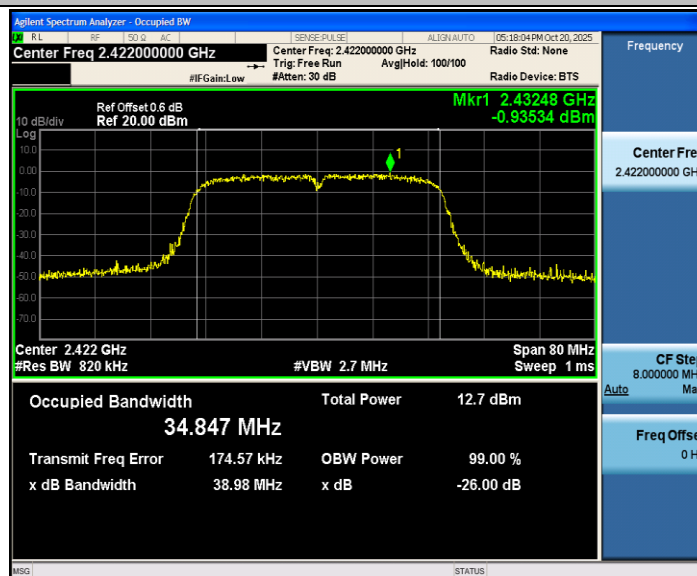
11N20SISO_Ant1_2437



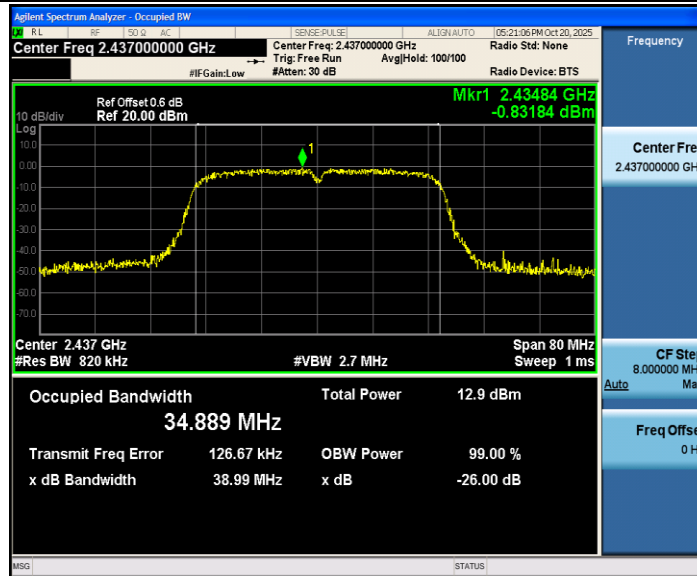
11N20SISO_Ant1_2462



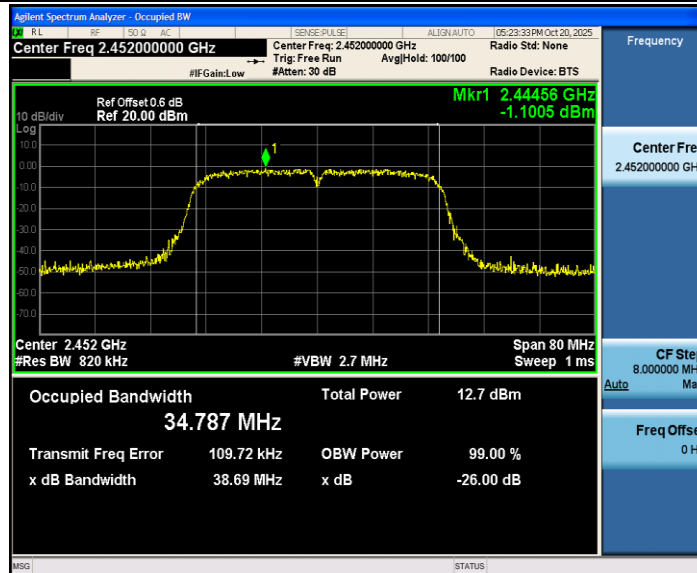
11N40SISO_Ant1_2422



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	14.49	≤30.00	PASS
		2437	15.06	≤30.00	PASS
		2462	14.93	≤30.00	PASS
11G	Ant1	2412	13.25	≤30.00	PASS
		2437	13.95	≤30.00	PASS
		2462	13.63	≤30.00	PASS
11N20SISO	Ant1	2412	13.75	≤30.00	PASS
		2437	14.34	≤30.00	PASS
		2462	14.03	≤30.00	PASS
11N40SISO	Ant1	2422	13.06	≤30.00	PASS
		2437	13.28	≤30.00	PASS
		2452	13.07	≤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	-14.51	≤8.00	PASS
		2437	-13.74	≤8.00	PASS
		2462	-14.35	≤8.00	PASS
11G	Ant1	2412	-21.13	≤8.00	PASS
		2437	-20.42	≤8.00	PASS
		2462	-20.65	≤8.00	PASS
11N20SISO	Ant1	2412	-20.57	≤8.00	PASS
		2437	-20.16	≤8.00	PASS
		2462	-20.27	≤8.00	PASS
11N40SISO	Ant1	2422	-21.40	≤8.00	PASS
		2437	-21.31	≤8.00	PASS
		2452	-22.17	≤8.00	PASS

Test Graphs

11B_Ant1_2412



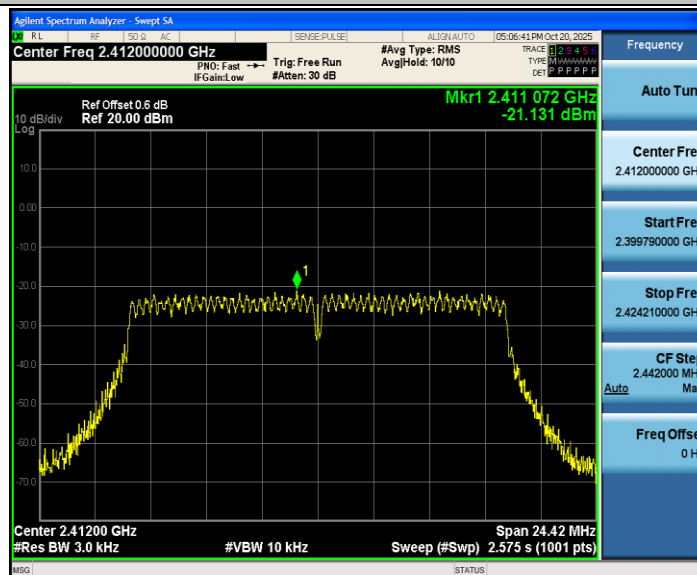
11B_Ant1_2437



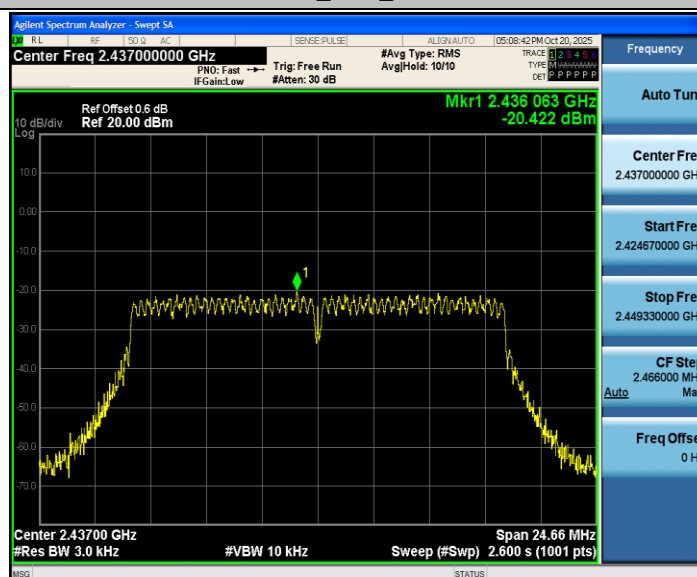
11B_Ant1_2462



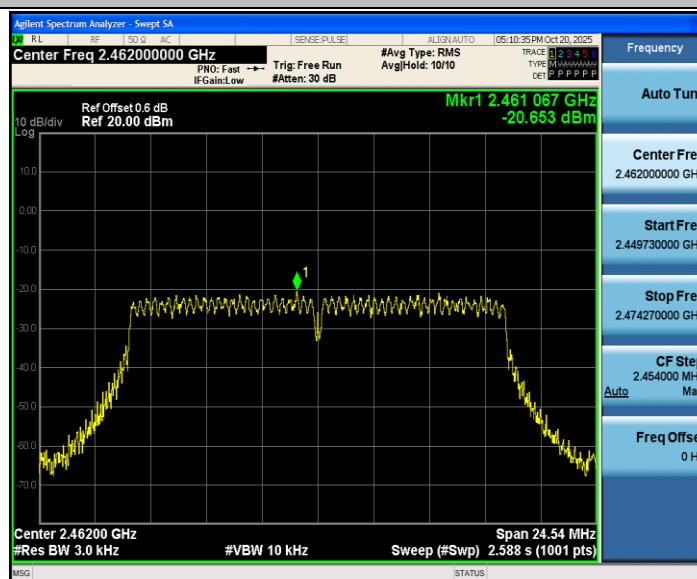
11G_Ant1_2412



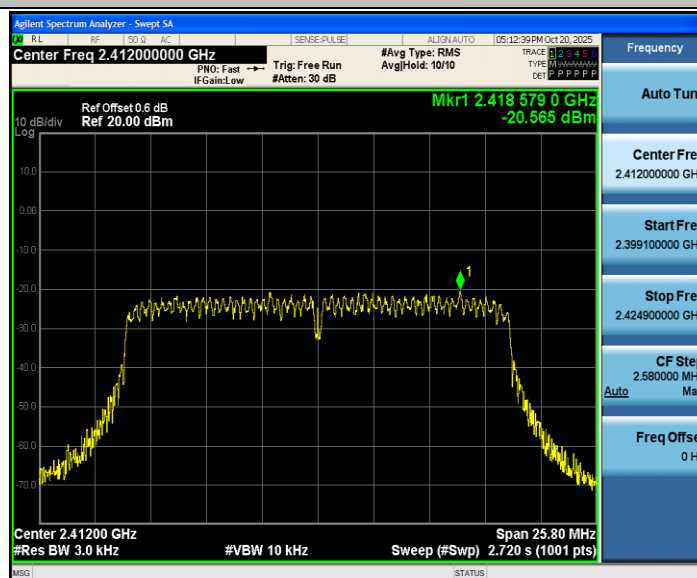
11G_Ant1_2437



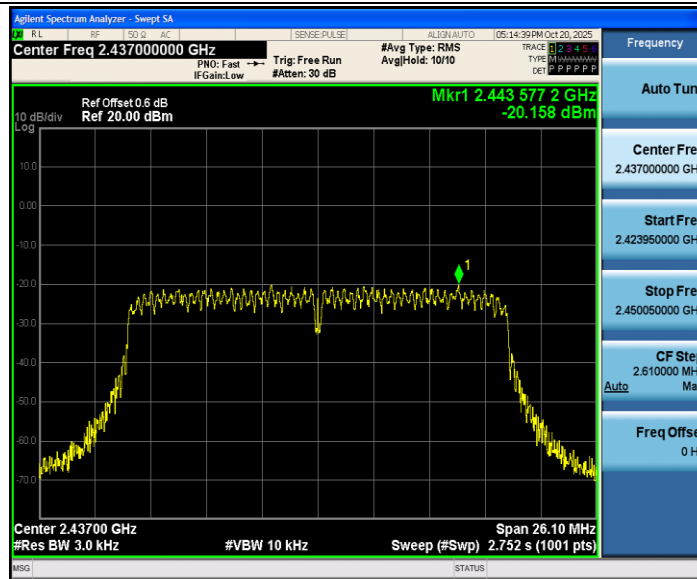
11G_Ant1_2462



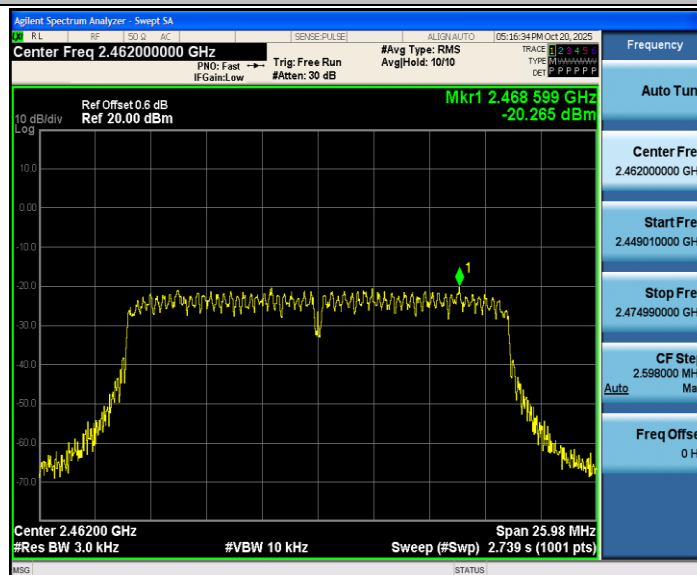
11N20SISO_Ant1_2412



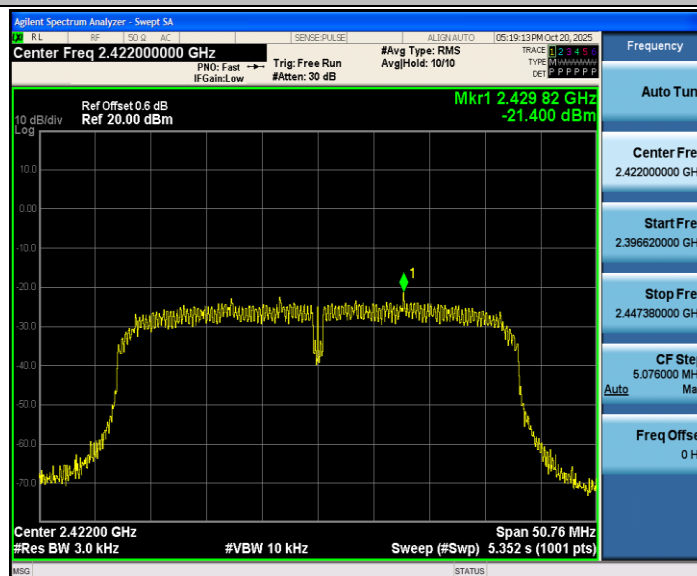
11N20SISO_Ant1_2437



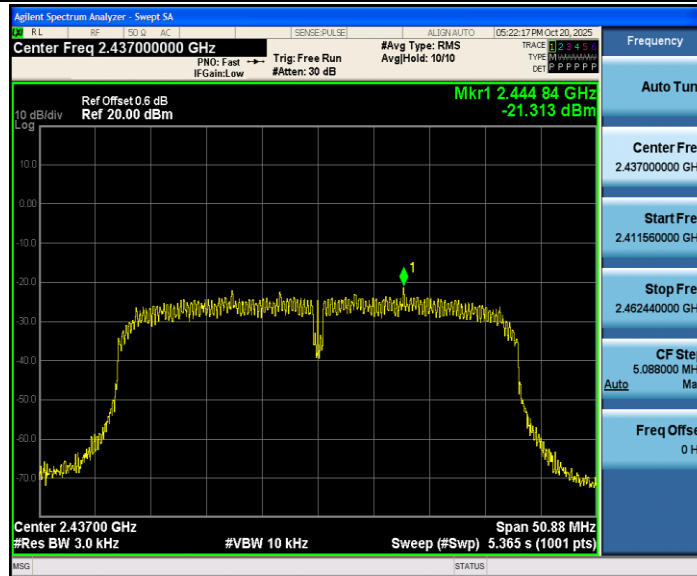
11N20SISO_Ant1_2462



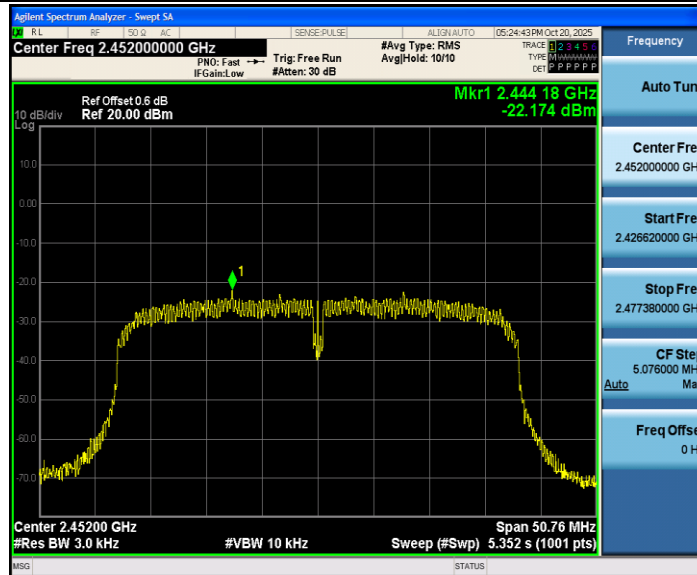
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



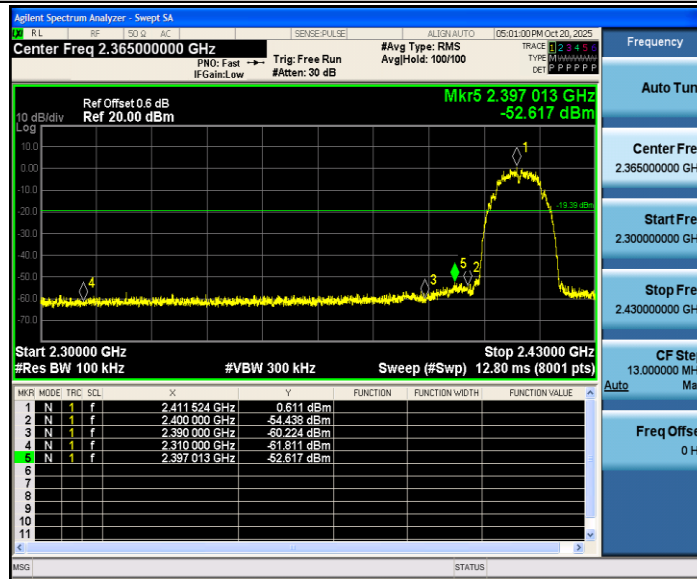
Appendix E: Band edge measurements

Test Result

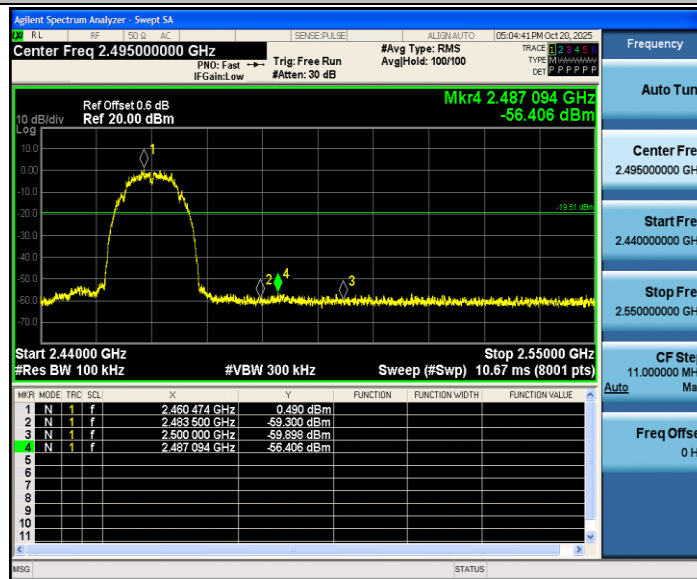
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.61	-52.62	≤-19.39	PASS
		High	2462	0.49	-56.41	≤-19.51	PASS
11G	Ant1	Low	2412	-7.02	-46.51	≤-27.02	PASS
		High	2462	-6.64	-49.34	≤-26.64	PASS
11N20SISO	Ant1	Low	2412	-7.05	-49.41	≤-27.05	PASS
		High	2462	-6.53	-52.87	≤-26.53	PASS
11N40SISO	Ant1	Low	2422	-10.09	-50.9	≤-30.09	PASS
		High	2452	-10.17	-54.3	≤-30.17	PASS

Test Graphs

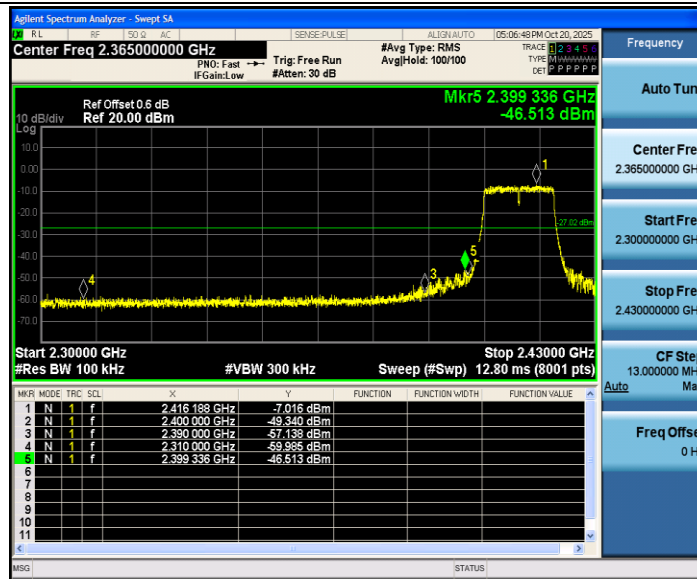
11B_Ant1_Low_2412



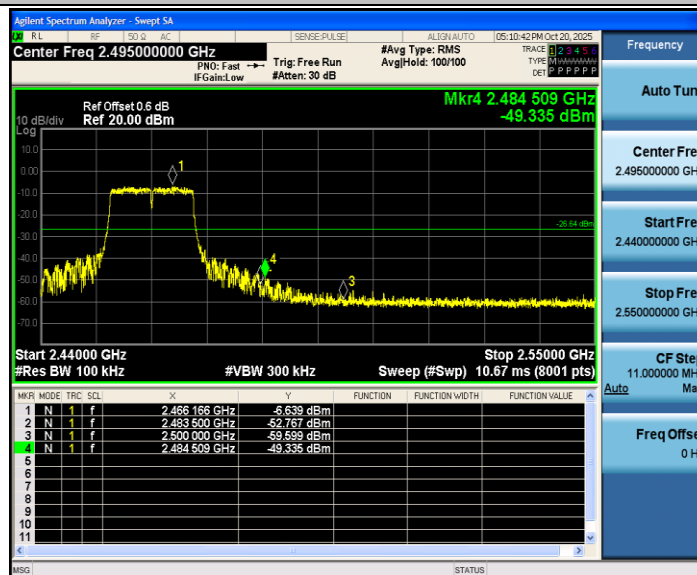
11B_Ant1_High_2462



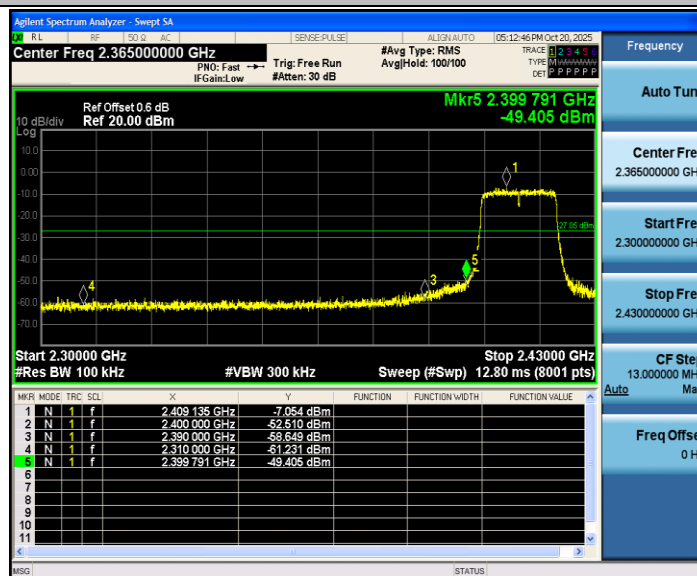
11G_Ant1_Low_2412



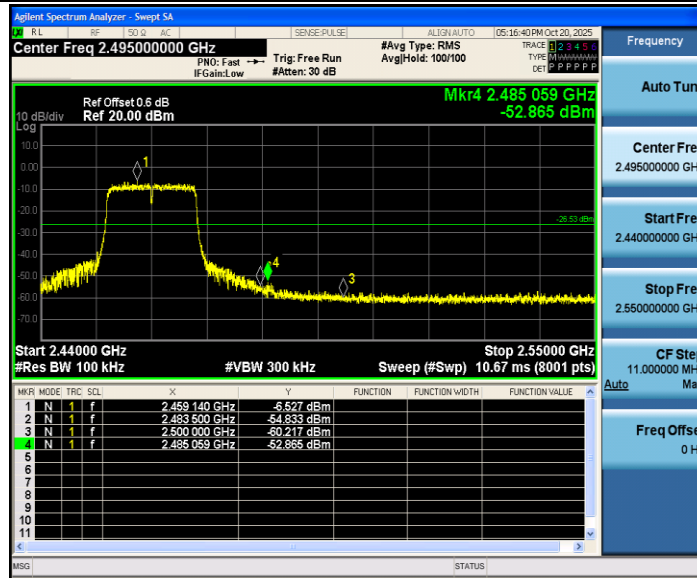
11G_Ant1_High_2462



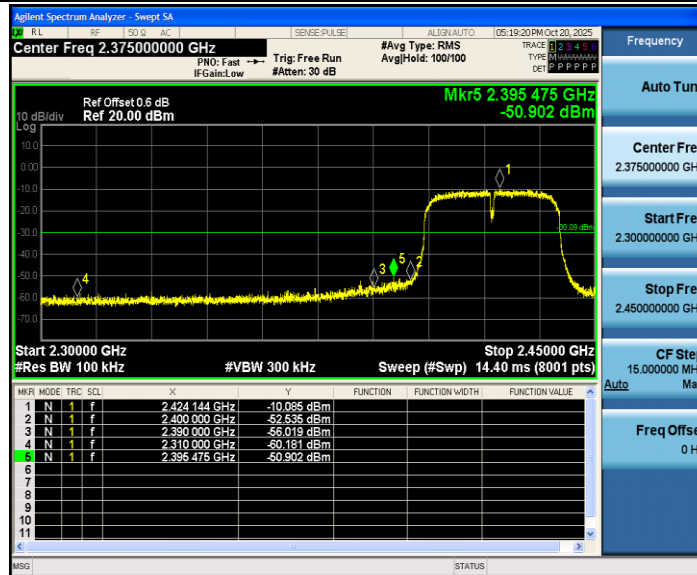
11N20SISO_Ant1_Low_2412



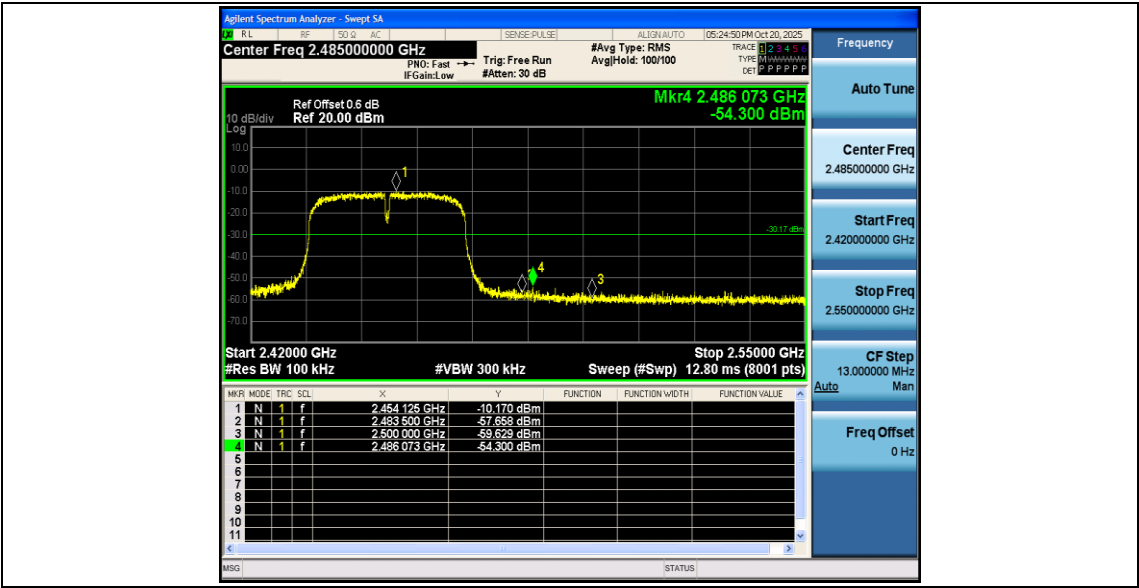
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



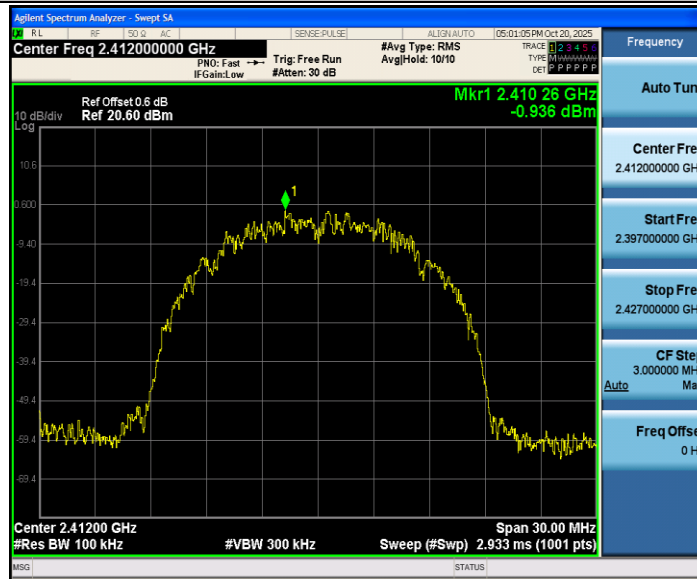
Appendix F: Conducted Spurious Emission

Test Result

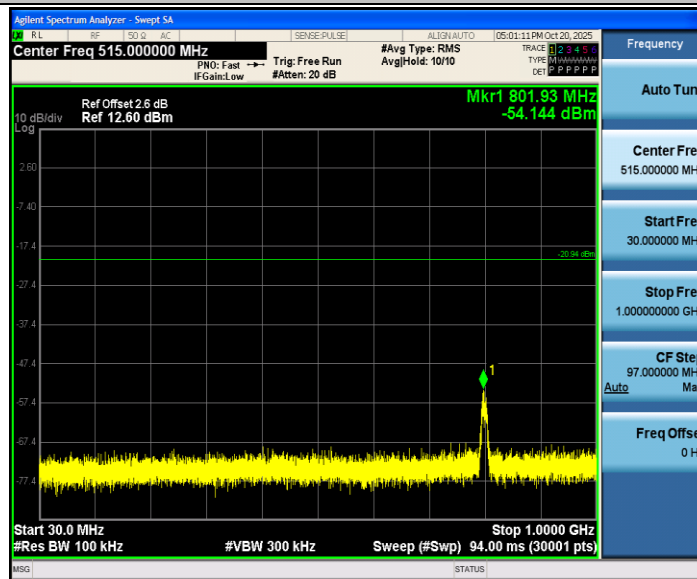
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.94	-0.94	---	PASS
			30~1000	-0.94	-54.14	≤-20.94	PASS
			1000~26500	-0.94	-43.86	≤-20.94	PASS
		2437	Reference	0.33	0.33	---	PASS
			30~1000	0.33	-53.72	≤-19.67	PASS
			1000~26500	0.33	-44.55	≤-19.67	PASS
		2462	Reference	-0.35	-0.35	---	PASS
			30~1000	-0.35	-55.28	≤-20.35	PASS
			1000~26500	-0.35	-44.84	≤-20.35	PASS
11G	Ant1	2412	Reference	-7.43	-7.43	---	PASS
			30~1000	-7.43	-59.37	≤-27.43	PASS
			1000~26500	-7.43	-43.57	≤-27.43	PASS
		2437	Reference	-6.76	-6.76	---	PASS
			30~1000	-6.76	-58.89	≤-26.76	PASS
			1000~26500	-6.76	-44.07	≤-26.76	PASS
		2462	Reference	-7.05	-7.05	---	PASS
			30~1000	-7.05	-58.25	≤-27.05	PASS
			1000~26500	-7.05	-44.43	≤-27.05	PASS
11N20SISO	Ant1	2412	Reference	-7.30	-7.30	---	PASS
			30~1000	-7.30	-60.12	≤-27.3	PASS
			1000~26500	-7.30	-43.32	≤-27.3	PASS
		2437	Reference	-6.78	-6.78	---	PASS
			30~1000	-6.78	-59.11	≤-26.78	PASS
			1000~26500	-6.78	-44.11	≤-26.78	PASS
		2462	Reference	-7.22	-7.22	---	PASS
			30~1000	-7.22	-59.26	≤-27.22	PASS
			1000~26500	-7.22	-44.41	≤-27.22	PASS
11N40SISO	Ant1	2422	Reference	-10.46	-10.46	---	PASS
			30~1000	-10.46	-61.75	≤-30.46	PASS
			1000~26500	-10.46	-43.7	≤-30.46	PASS
		2437	Reference	-10.30	-10.30	---	PASS
			30~1000	-10.30	-61.73	≤-30.3	PASS
			1000~26500	-10.30	-44.06	≤-30.3	PASS
		2452	Reference	-10.37	-10.37	---	PASS
			30~1000	-10.37	-61.14	≤-30.37	PASS
			1000~26500	-10.37	-44.14	≤-30.37	PASS

Test Graphs

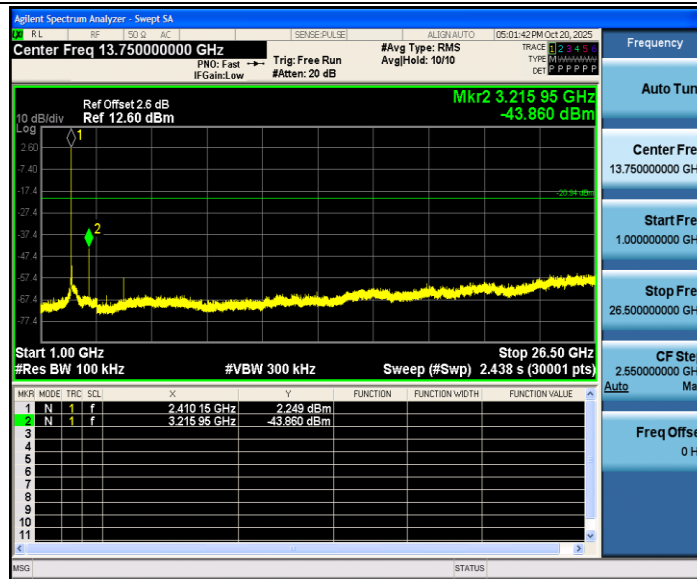
11B_Ant1_2412_0~Reference



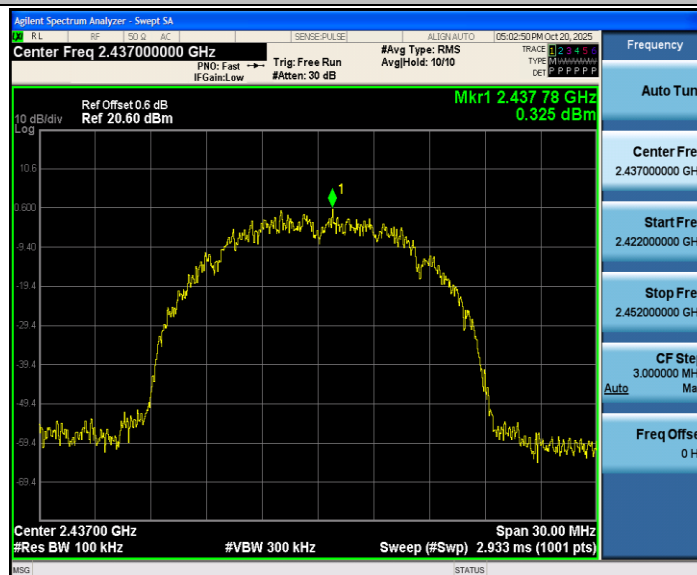
11B_Ant1_2412_30~1000



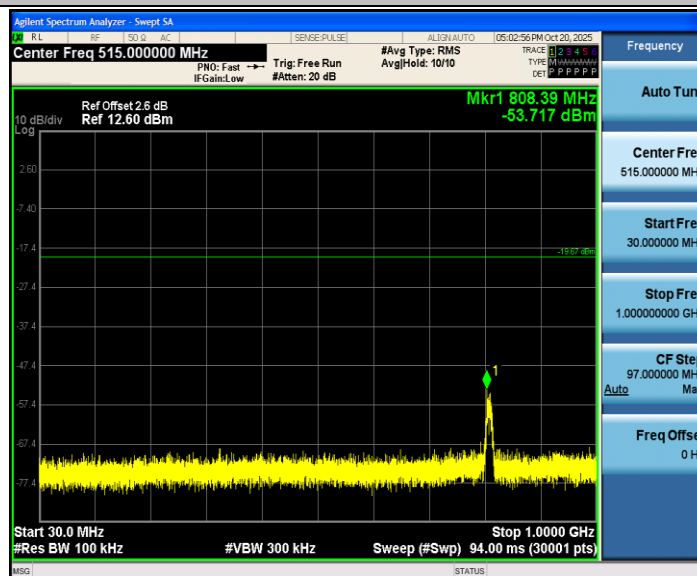
11B_Ant1_2412_1000~26500



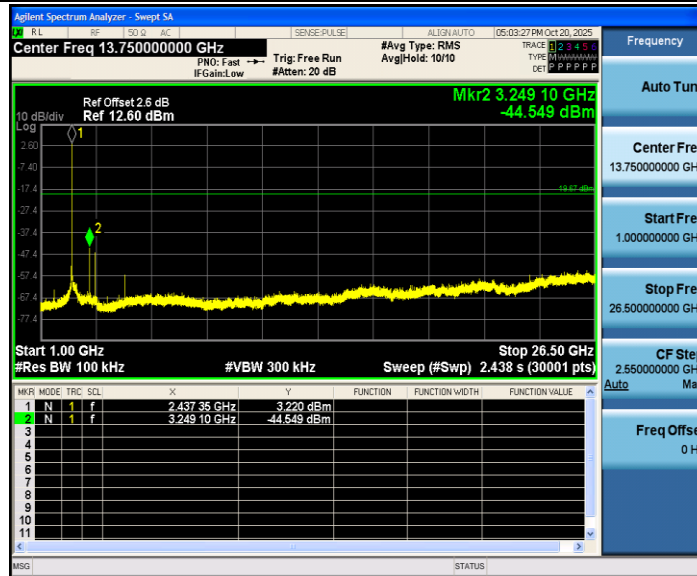
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



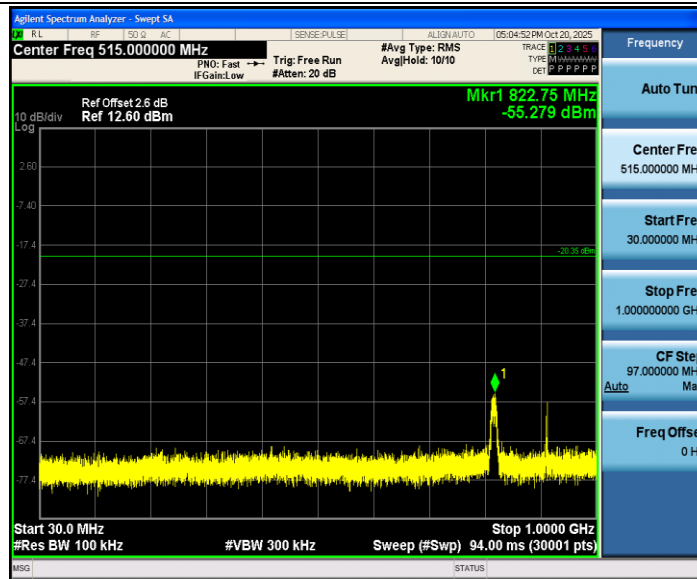
11B_Ant1_2437_1000~26500



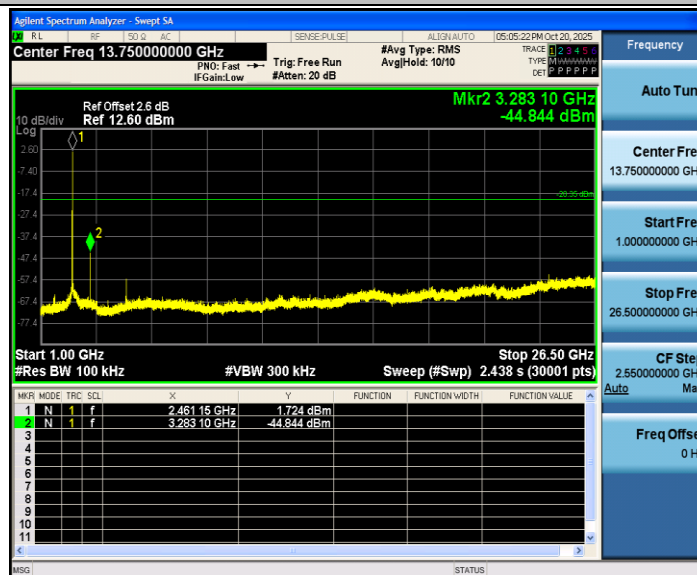
11B_Ant1_2462_0~Reference



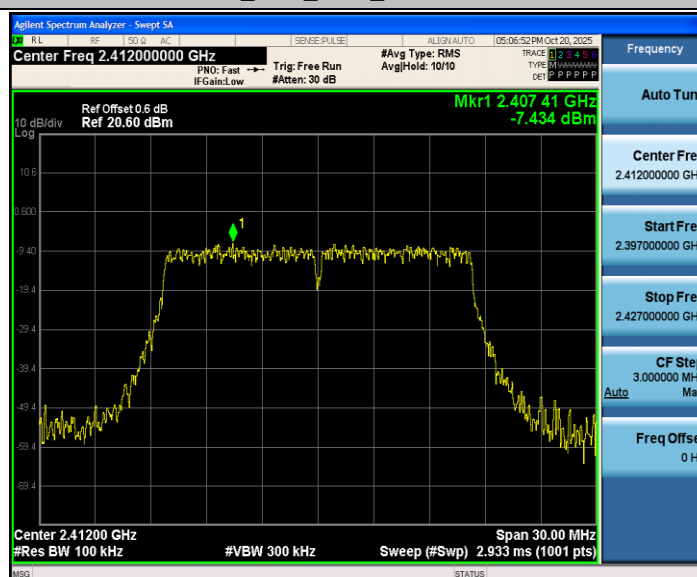
11B_Ant1_2462_30~1000



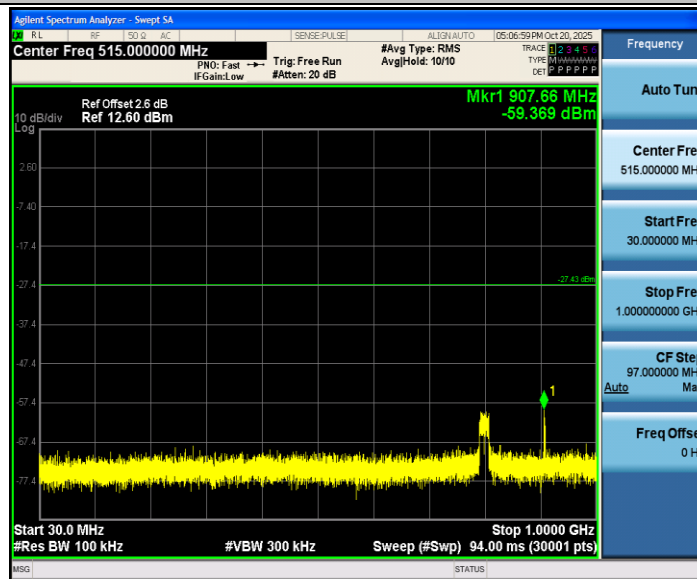
11B_Ant1_2462_1000~26500



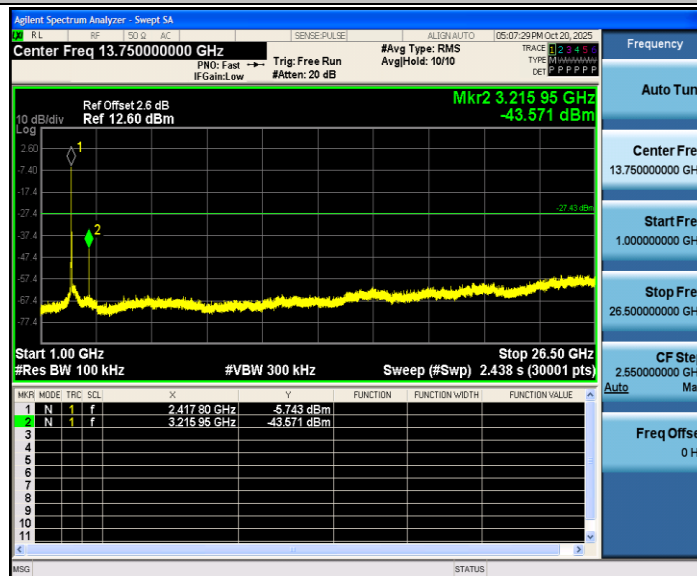
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



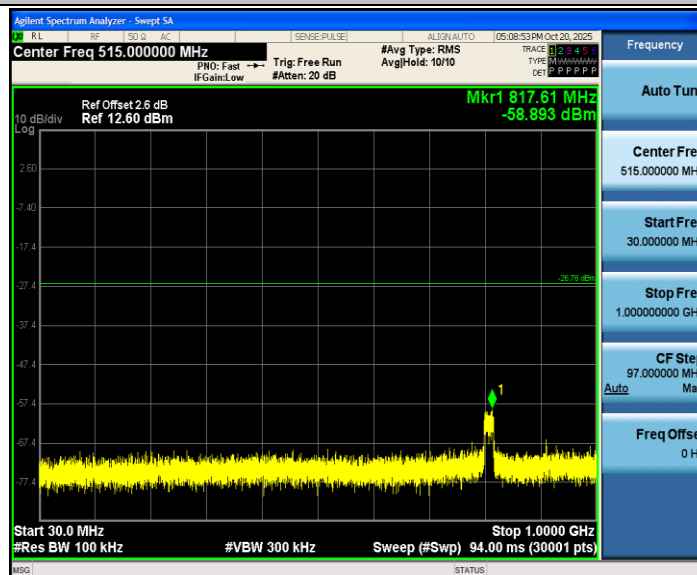
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

