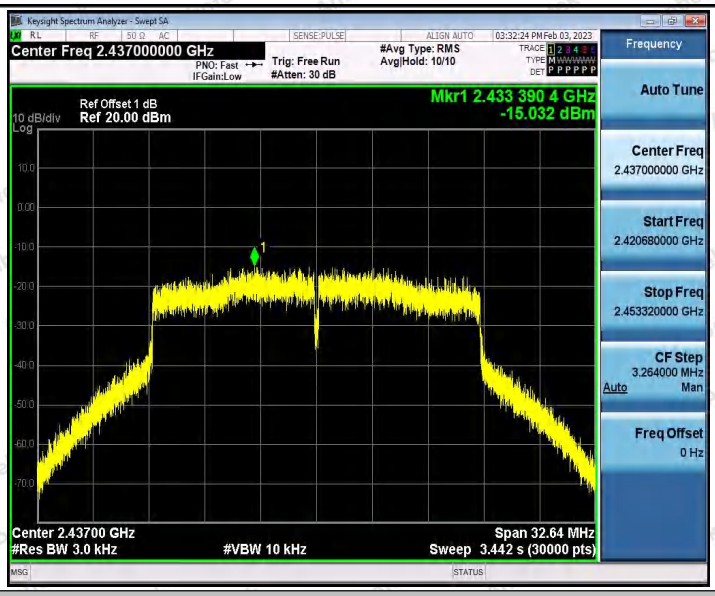
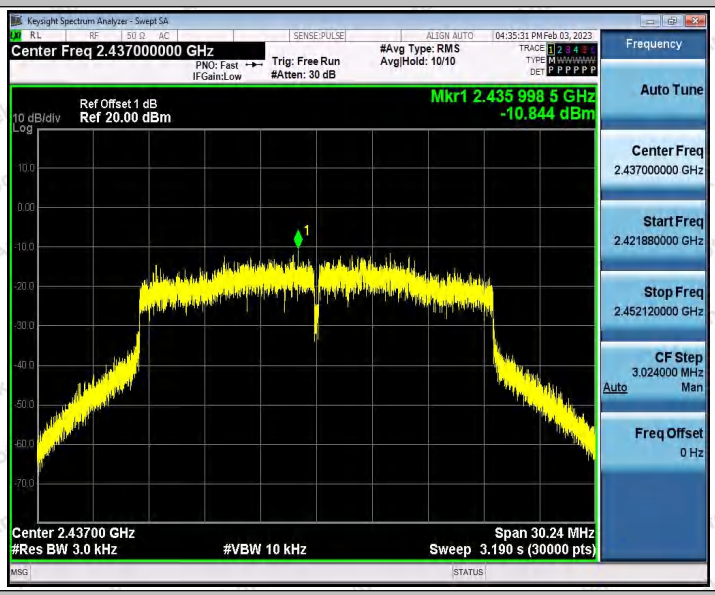
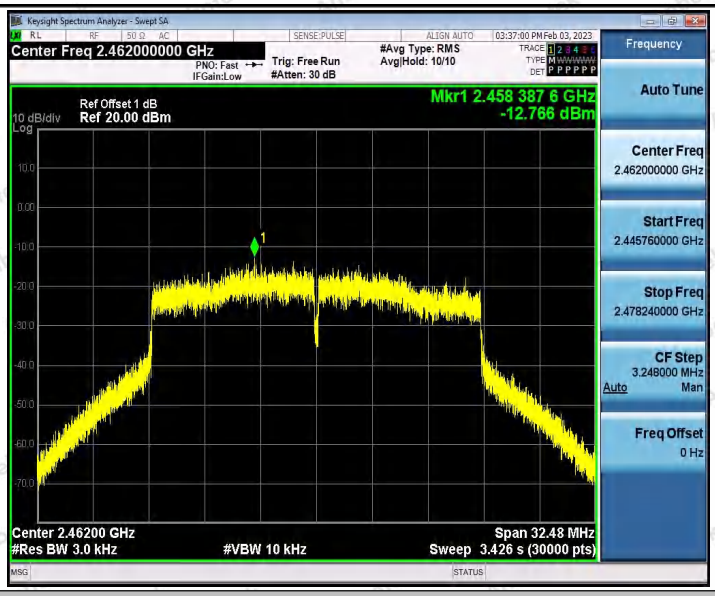


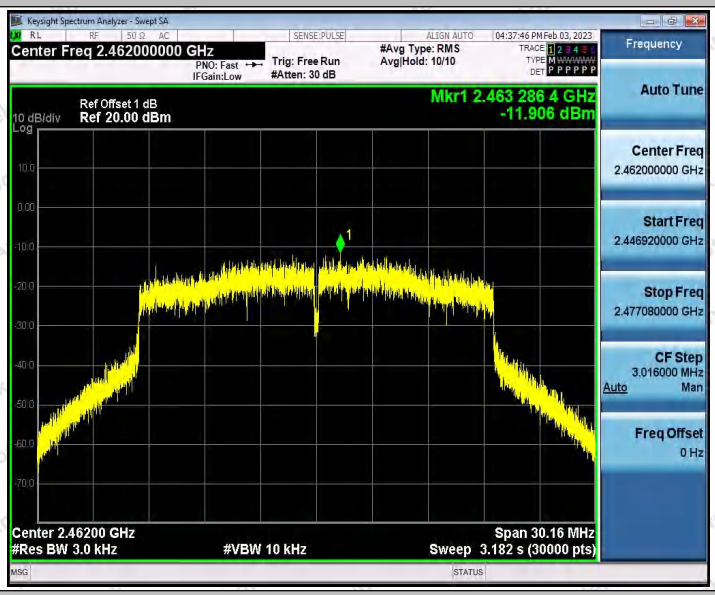
11N20_Ant2_2437



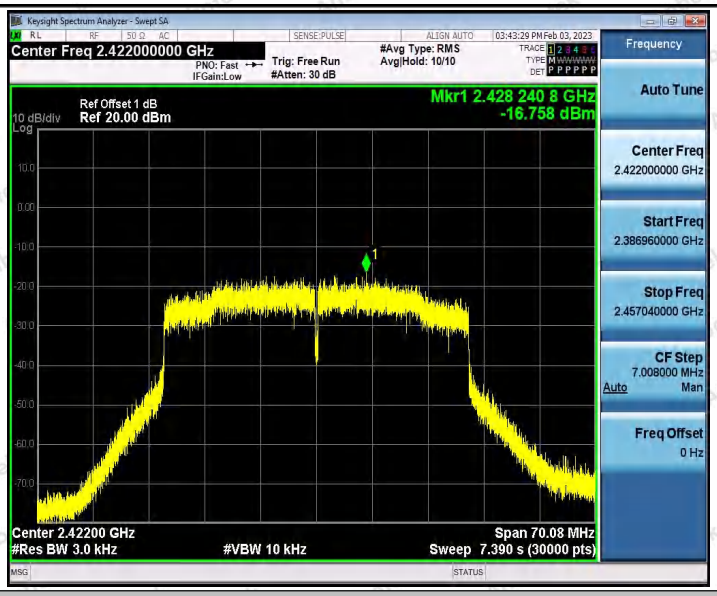
11N20_Ant1_2462



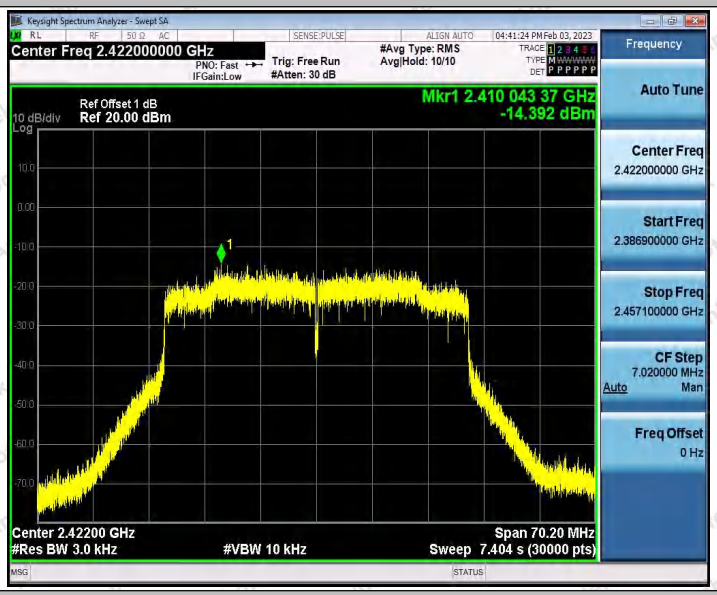
11N20_Ant2_2462



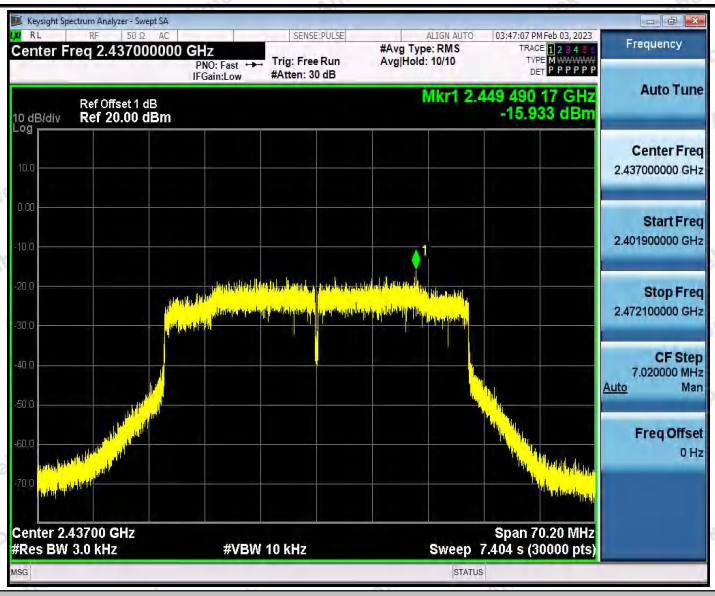
11N40_Ant1_2422



11N40_Ant2_2422

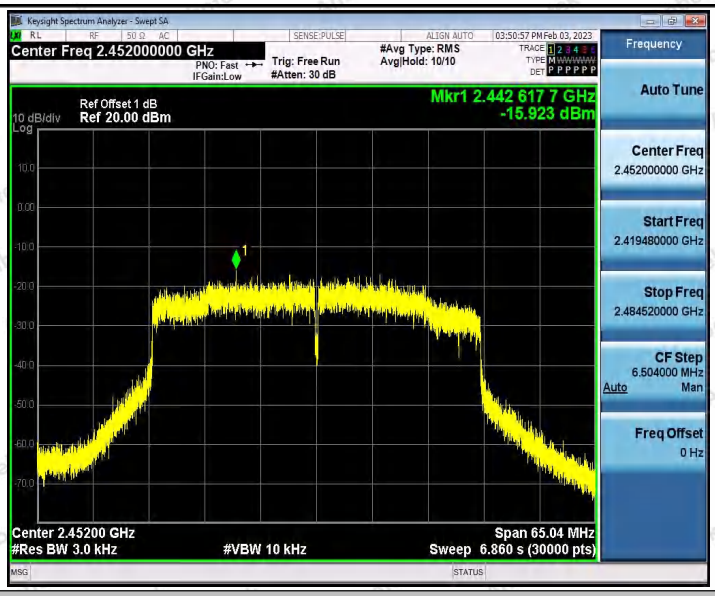


11N40_Ant1_2437

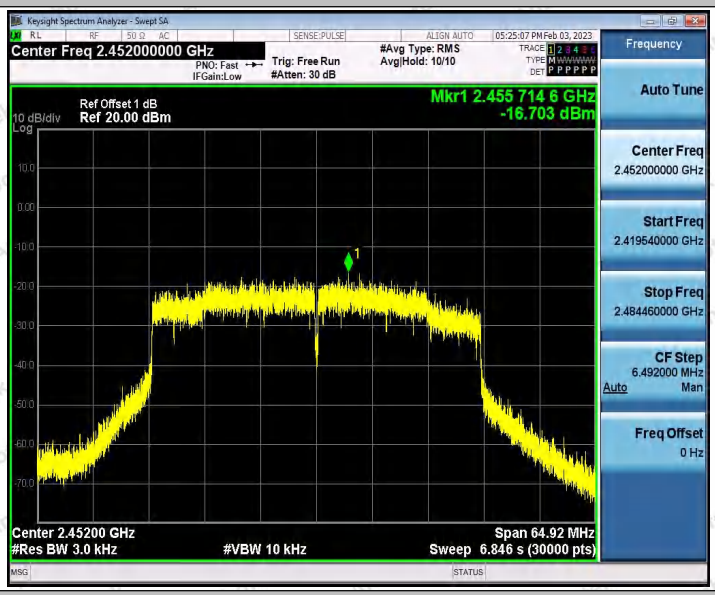


11N40_Ant2_2437

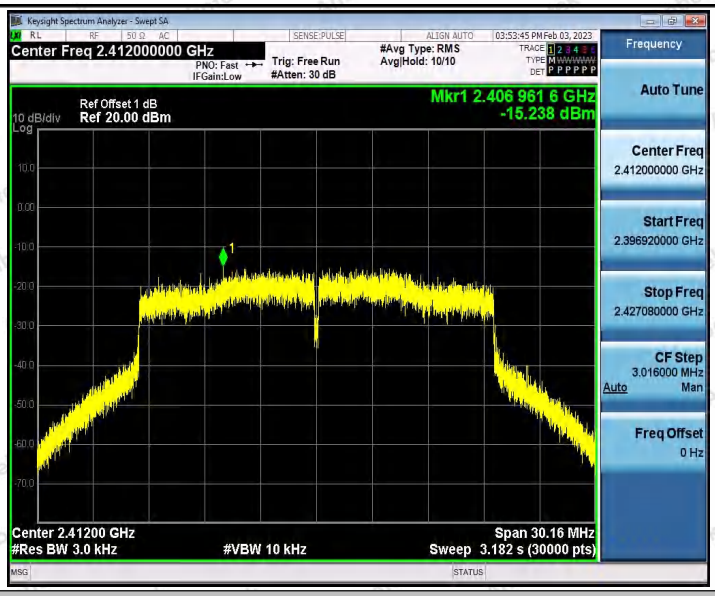
11N40_Ant1_2452



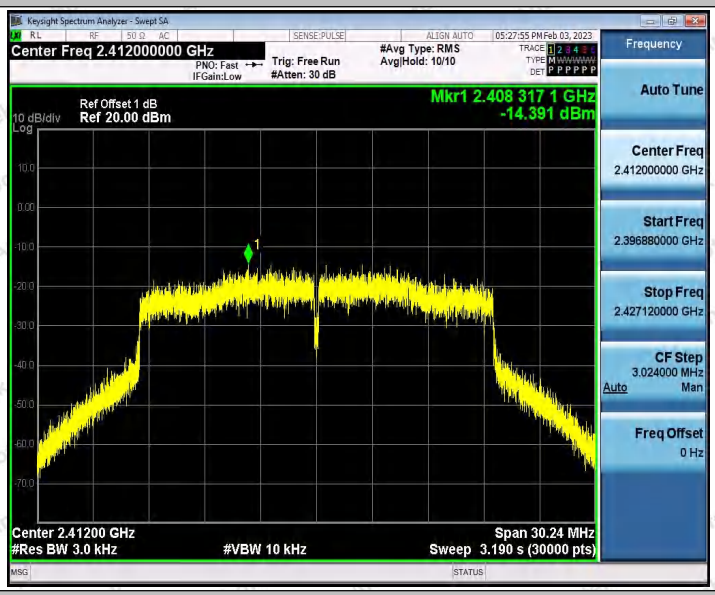
11N40_Ant2_2452



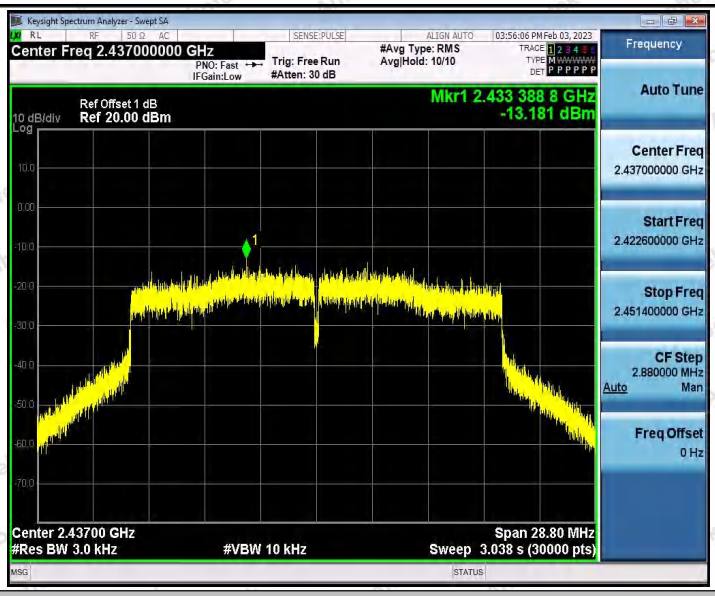
11AX20_Ant1_2412



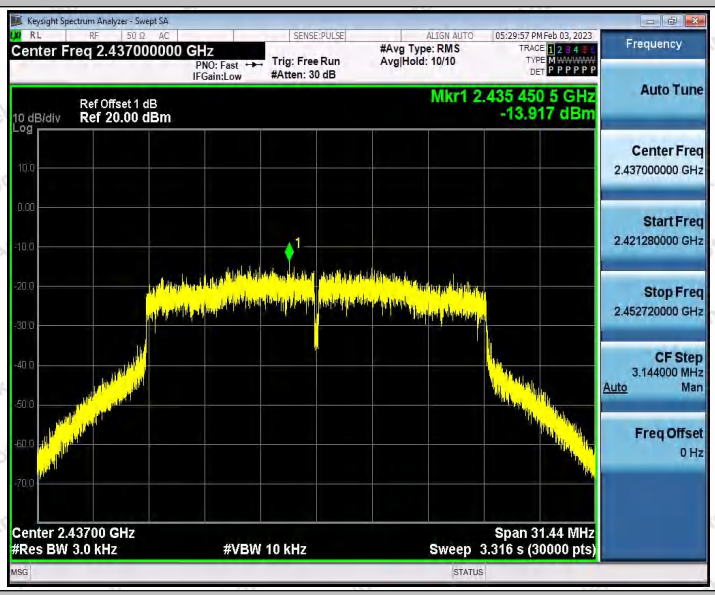
11AX20_Ant2_2412



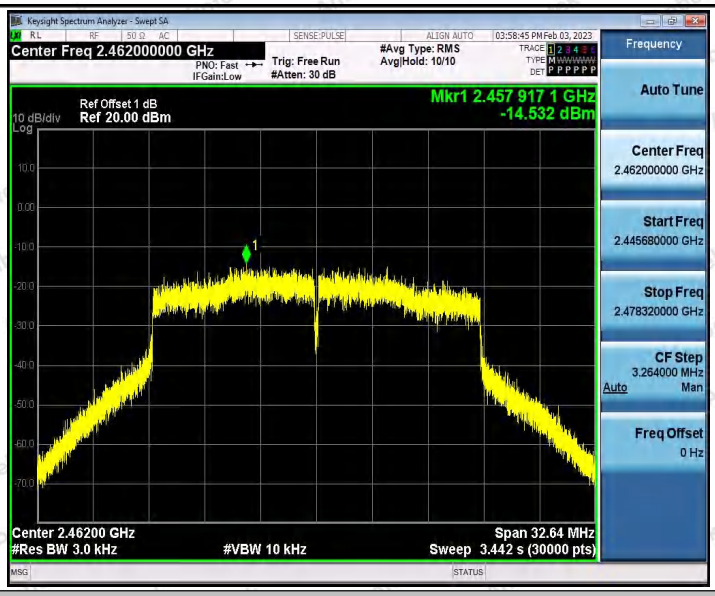
11AX20_Ant1_2437



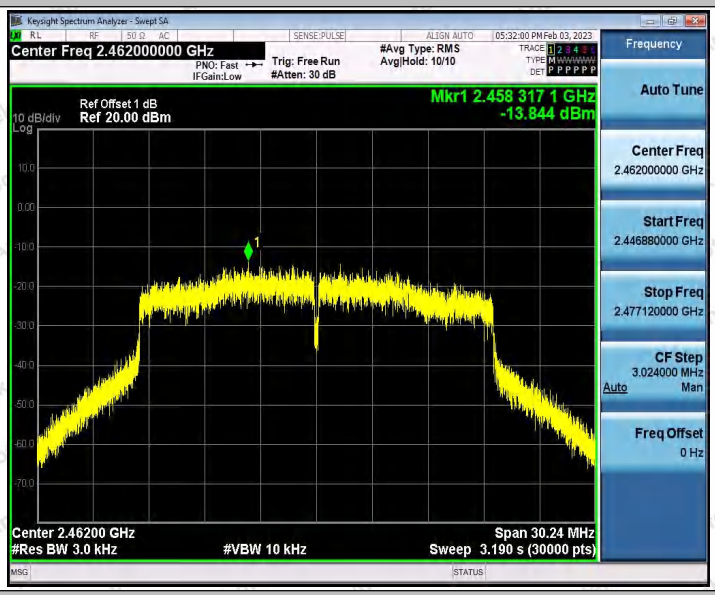
11AX20_Ant2_2437



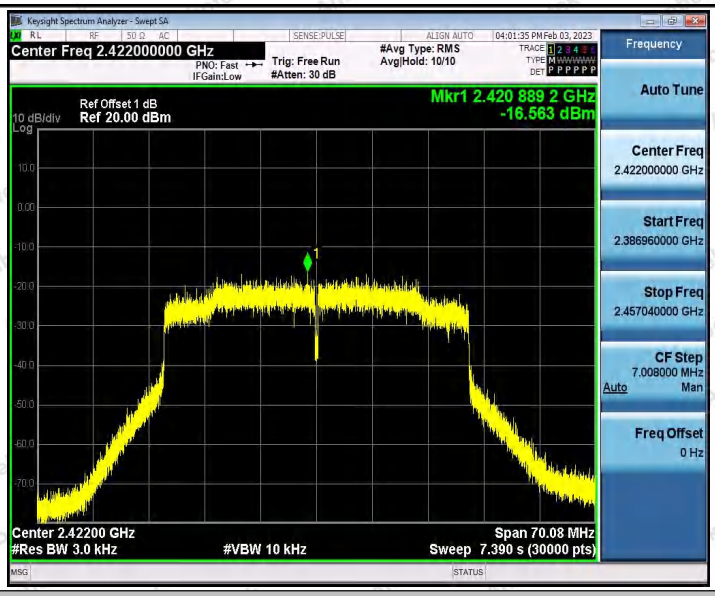
11AX20_Ant1_2462



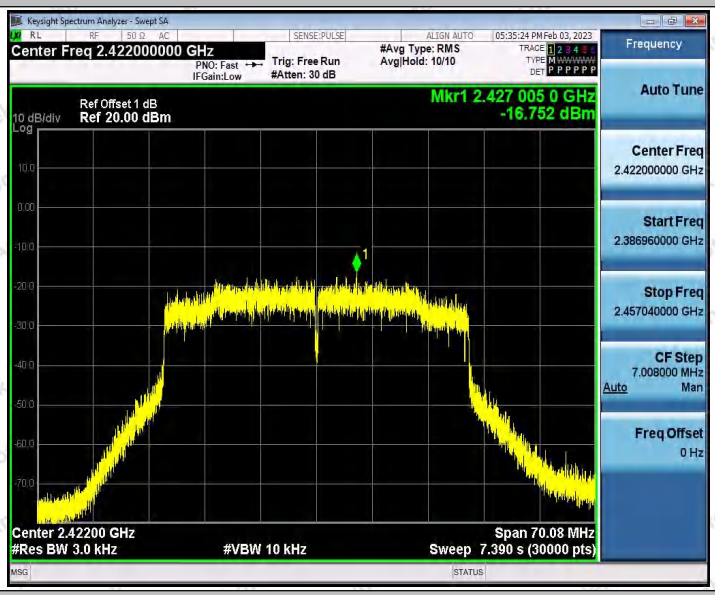
11AX20_Ant2_2462



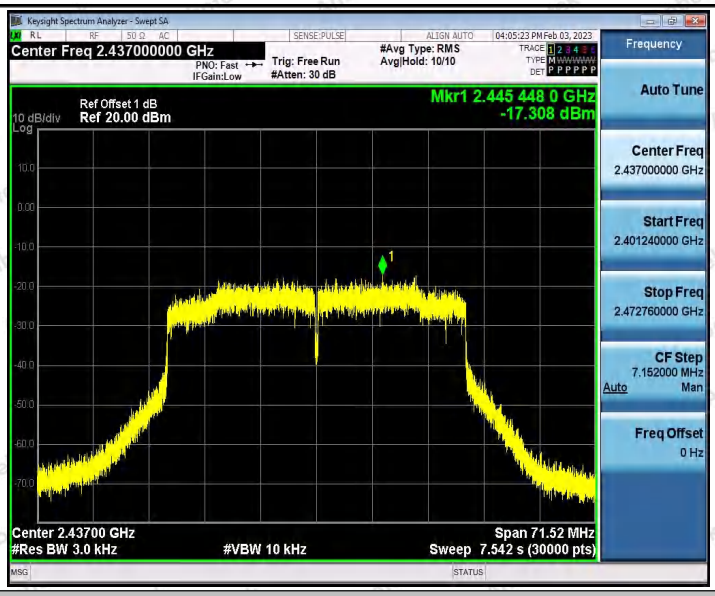
11AX40_Ant1_2422



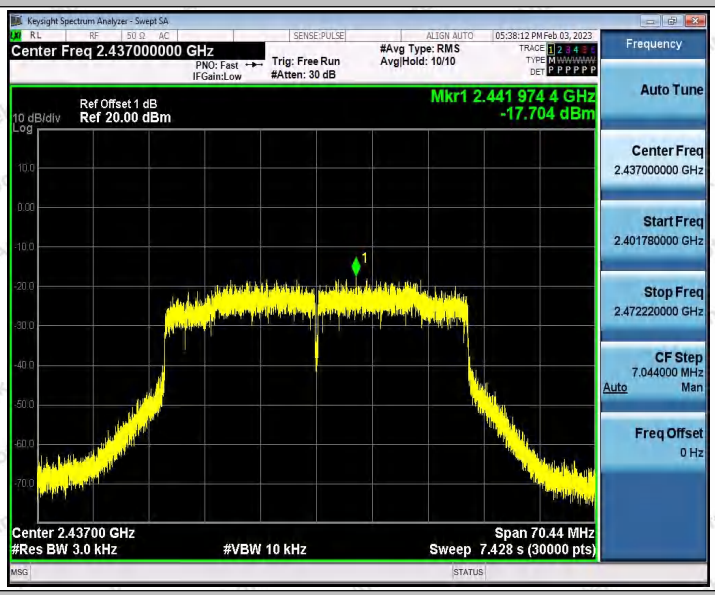
11AX40_Ant2_2422



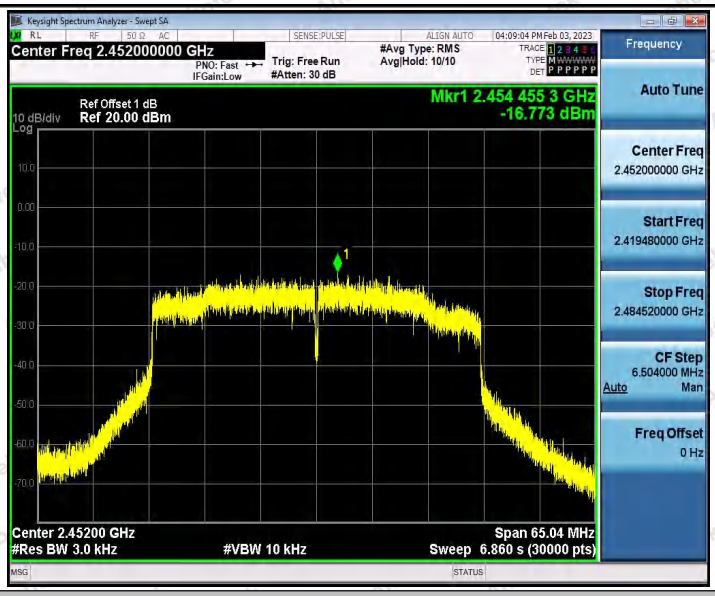
11AX40_Ant1_2437



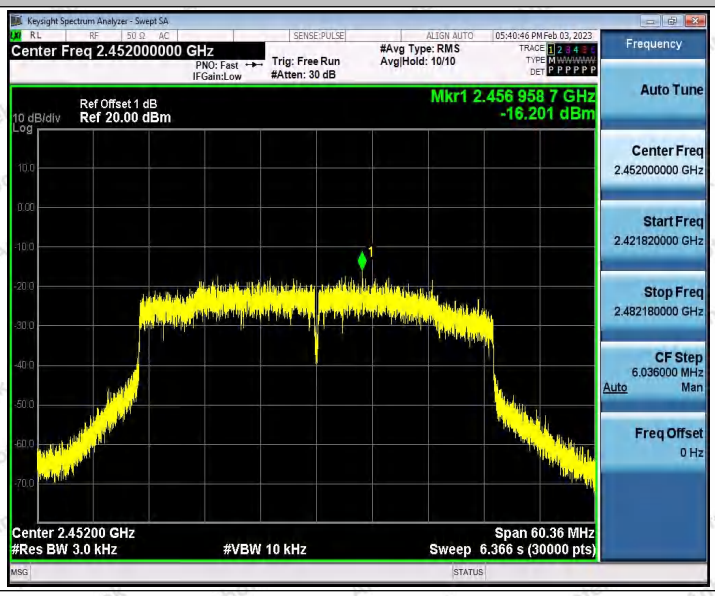
11AX40_Ant2_2437



11AX40_Ant1_2452



11AX40_Ant2_2452



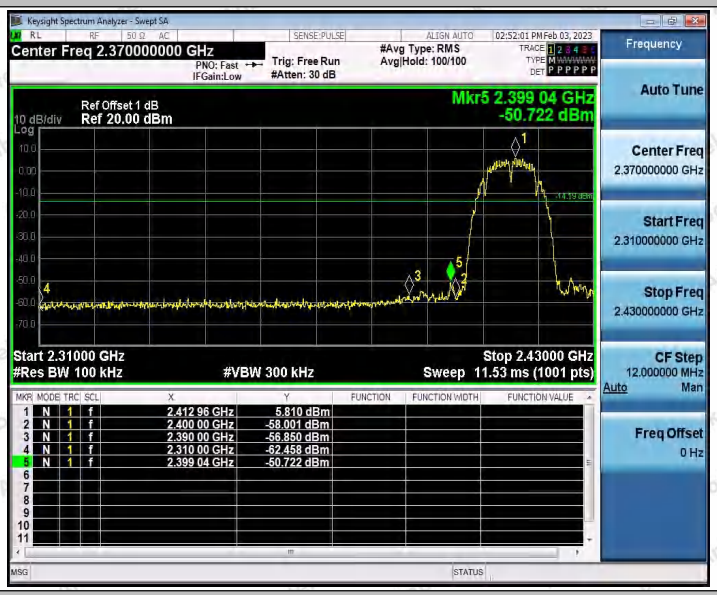
Appendix E: Band edge measurements

Test Result

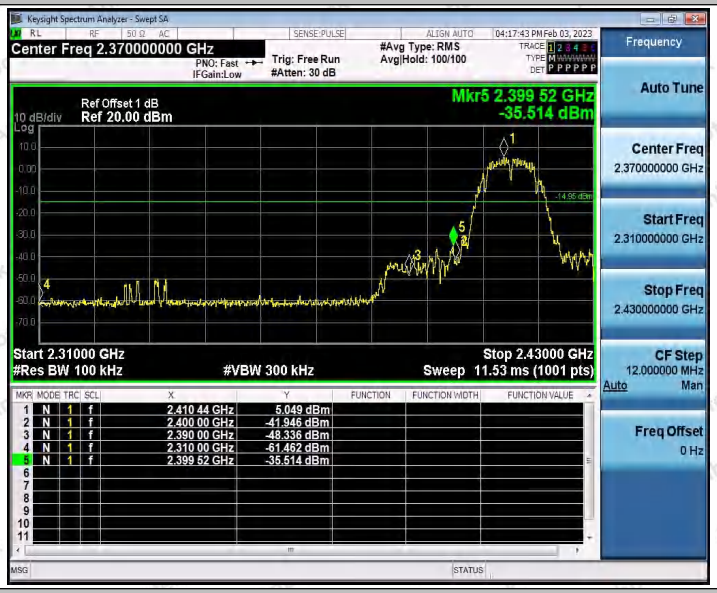
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.81	-50.72	≤-14.19	PASS
	Ant2	Low	2412	5.05	-35.51	≤-14.95	PASS
	Ant1	High	2462	5.46	-52.91	≤-14.54	PASS
	Ant2	High	2462	5.53	-52.75	≤-14.48	PASS
11G	Ant1	Low	2412	4.91	-28.53	≤-15.09	PASS
	Ant2	Low	2412	4.32	-27.48	≤-15.68	PASS
	Ant1	High	2462	4.84	-51.02	≤-15.16	PASS
	Ant2	High	2462	4.85	-54.2	≤-15.15	PASS
11N20	Ant1	Low	2412	1.55	-29.37	≤-18.45	PASS
	Ant2	Low	2412	3.65	-26.27	≤-16.35	PASS
	Ant1	High	2462	1.64	-55.69	≤-18.36	PASS
	Ant2	High	2462	4.30	-54.79	≤-15.7	PASS
11N40	Ant1	Low	2422	-1.31	-32.42	≤-21.31	PASS
	Ant2	Low	2422	1.08	-29.93	≤-18.92	PASS
	Ant1	High	2452	-1.52	-46.86	≤-21.52	PASS
	Ant2	High	2452	-1.17	-46.72	≤-21.17	PASS
11AX20	Ant1	Low	2412	1.30	-29.83	≤-18.71	PASS
	Ant2	Low	2412	1.75	-30.45	≤-18.25	PASS
	Ant1	High	2462	1.41	-55.63	≤-18.59	PASS
	Ant2	High	2462	1.79	-55.8	≤-18.21	PASS
11AX40	Ant1	Low	2422	-1.36	-33.36	≤-21.36	PASS
	Ant2	Low	2422	-1.09	-33.02	≤-21.09	PASS
	Ant1	High	2452	-1.42	-46.66	≤-21.42	PASS
	Ant2	High	2452	-1.19	-46.8	≤-21.19	PASS

Test Graphs

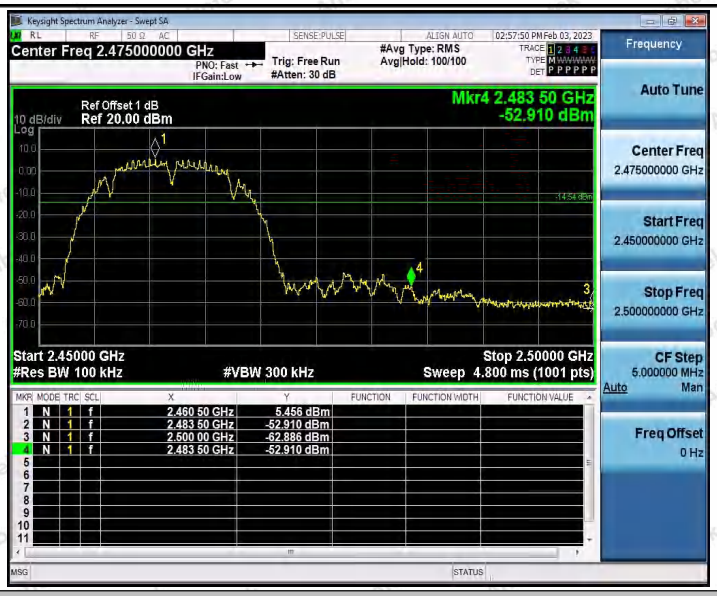
11B_Ant1_Low_2412



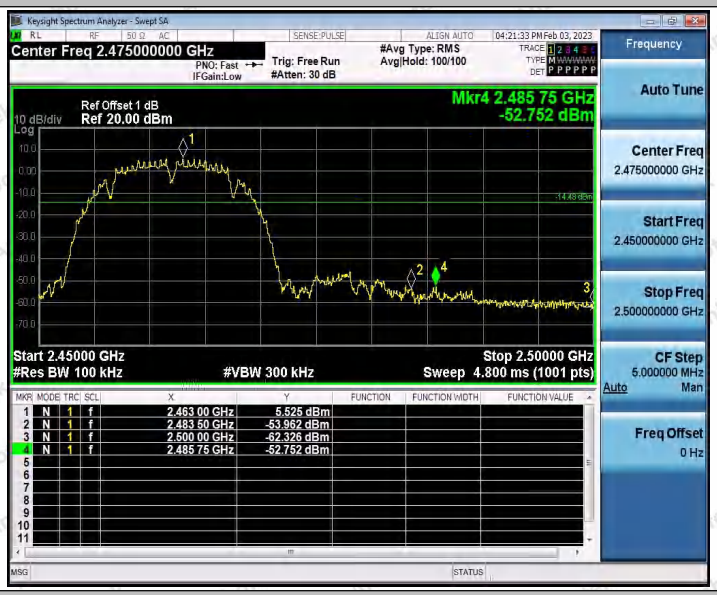
11B_Ant2_Low_2412



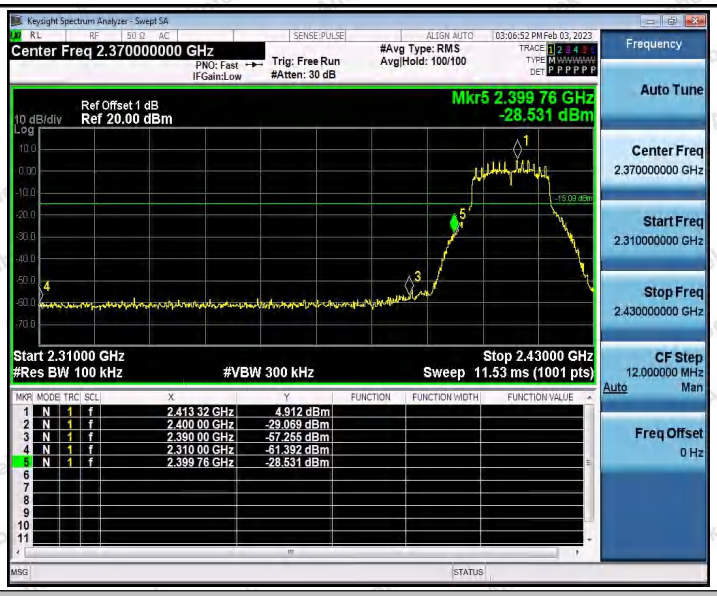
11B_Ant1_High_2462



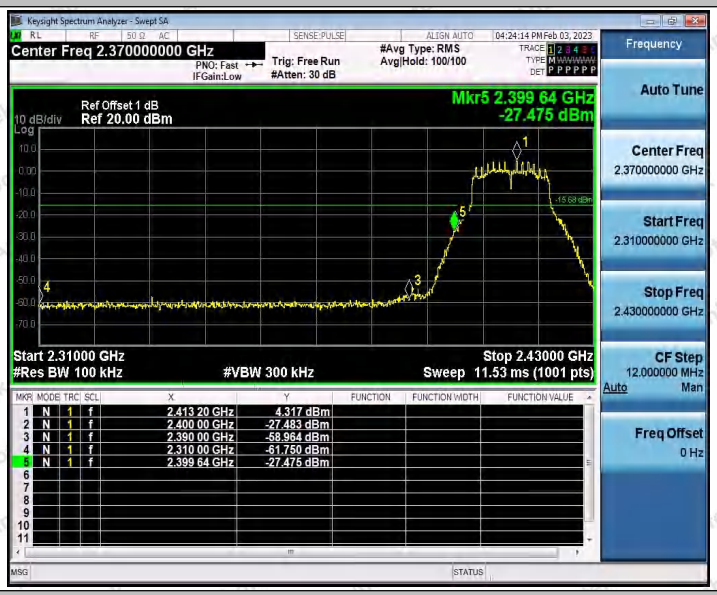
11B_Ant2_High_2462



11G_Ant1_Low_2412

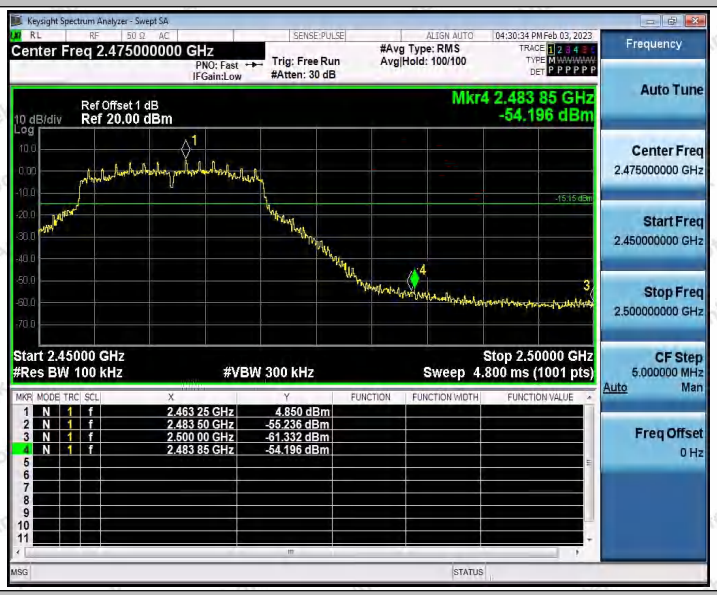


11G_Ant2_Low_2412

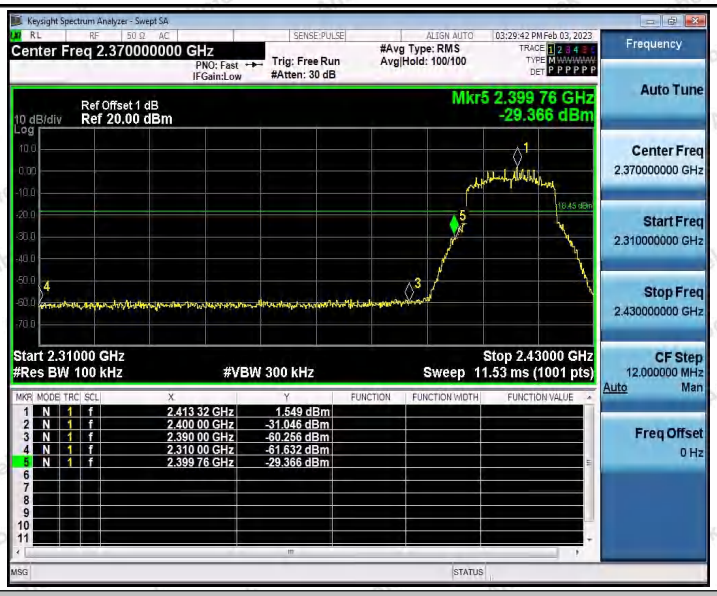


11G_Ant1_High_2462

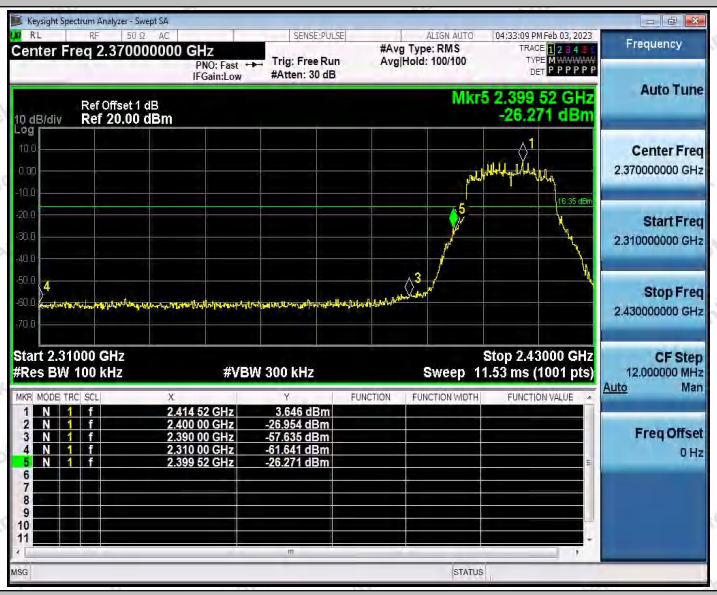
11G_Ant2_High_2462



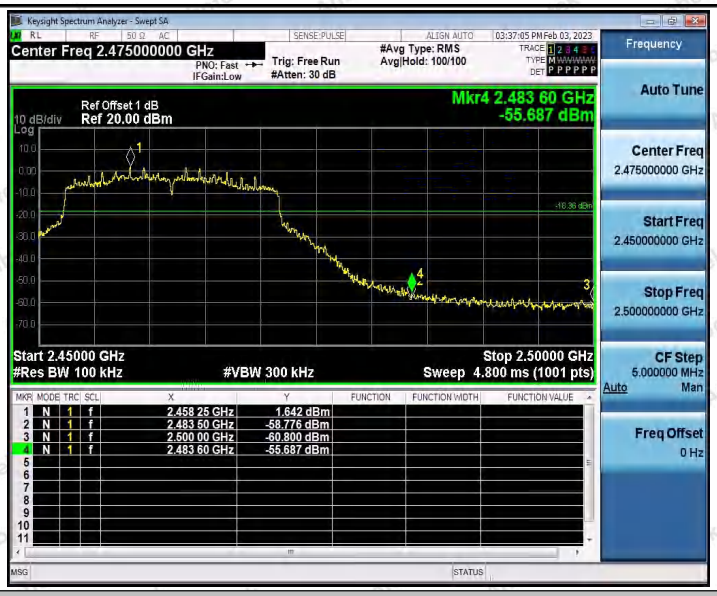
11N20_Ant1_Low_2412



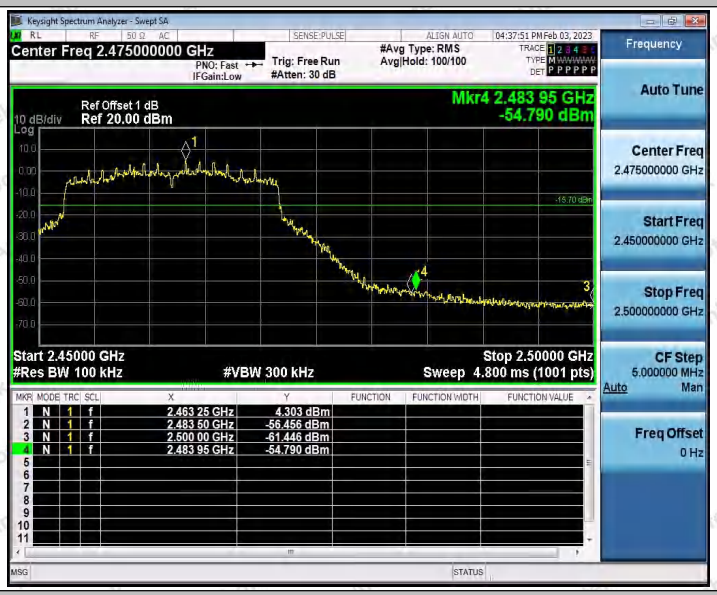
11N20_Ant2_Low_2412



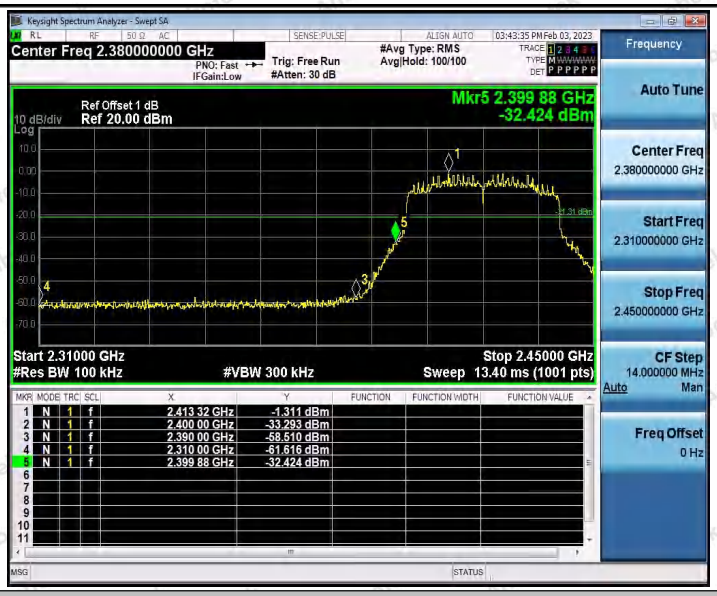
11N20_Ant1_High_2462



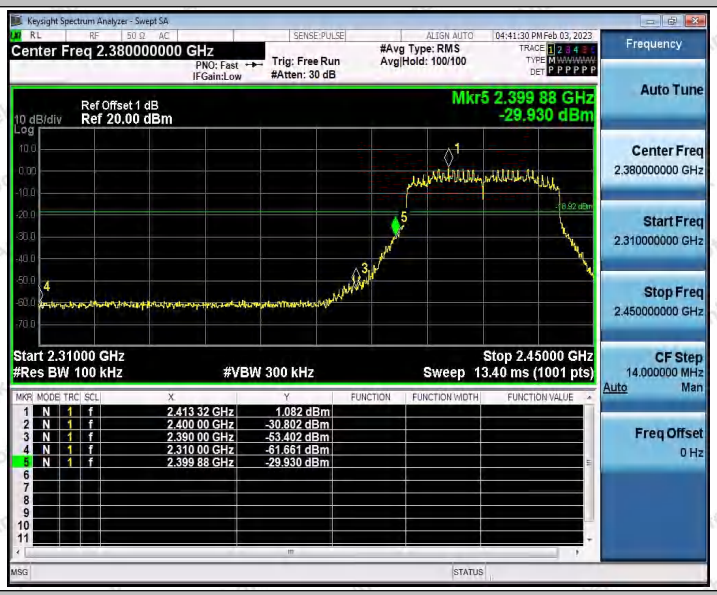
11N20_Ant2_High_2462



11N40_Ant1_Low_2422



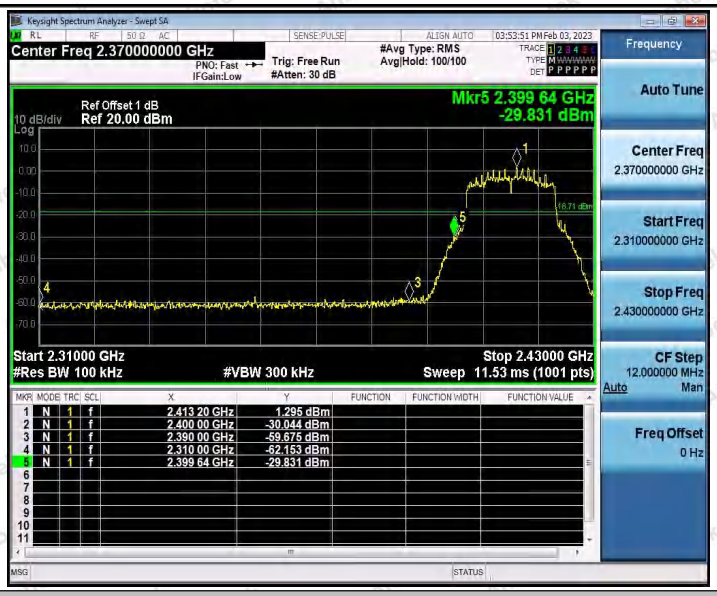
11N40_Ant2_Low_2422



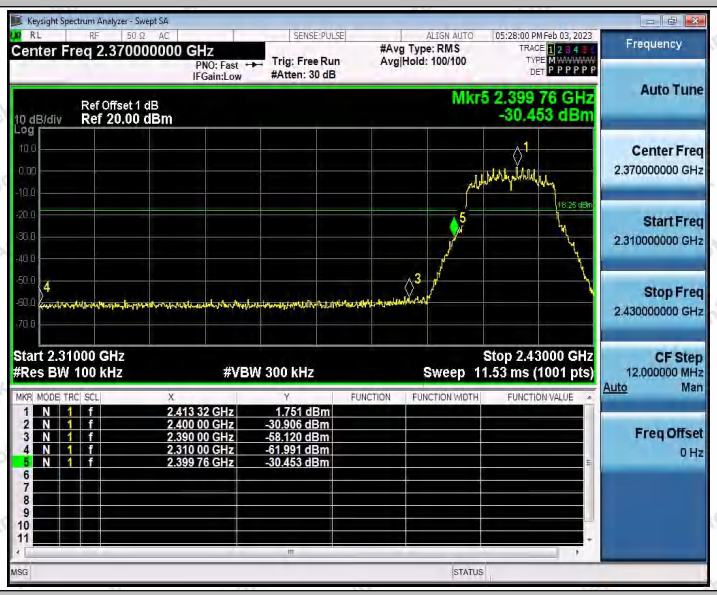
11N40_Ant1_High_2452

11N40_Ant2_High_2452

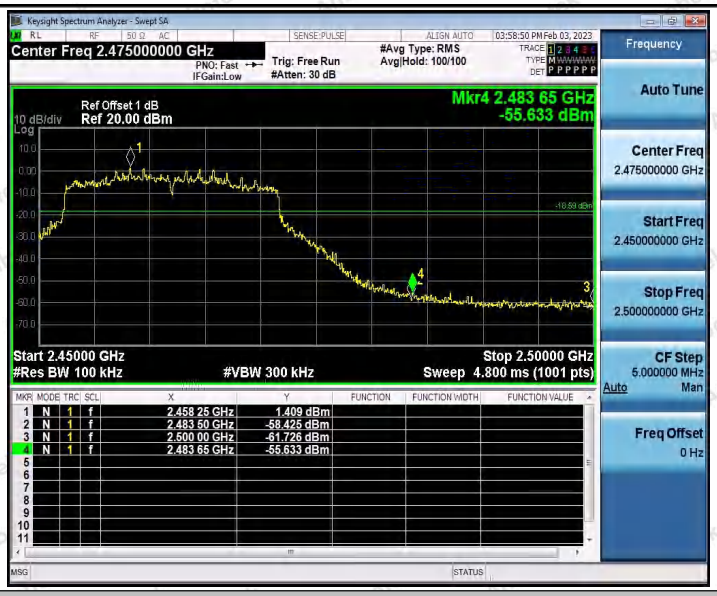
11AX20_Ant1_Low_2412



11AX20_Ant2_Low_2412

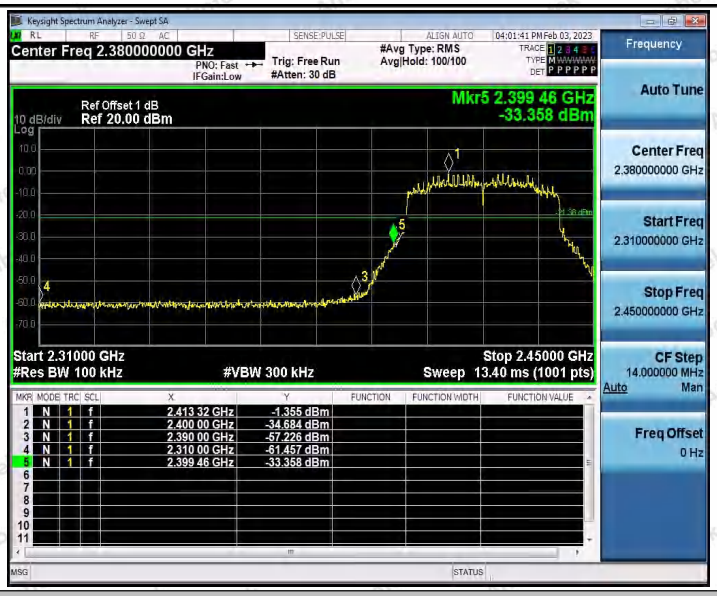


11AX20_Ant1_High_2462

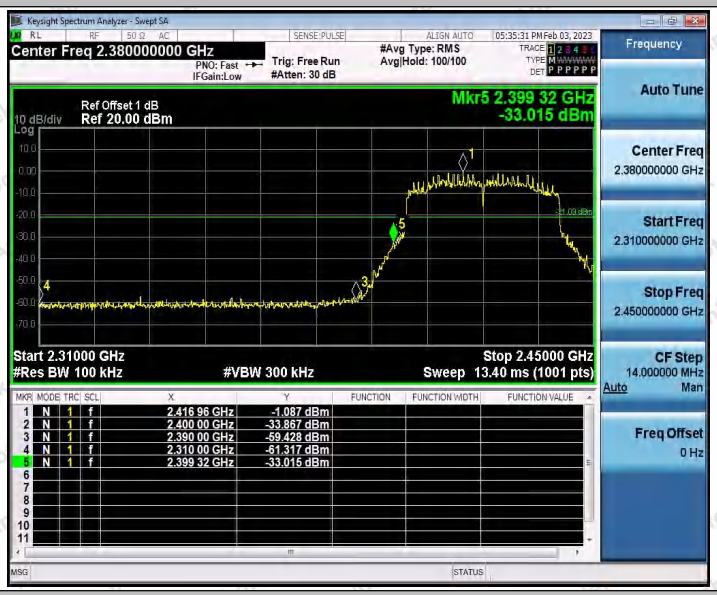


11AX20_Ant2_High_2462

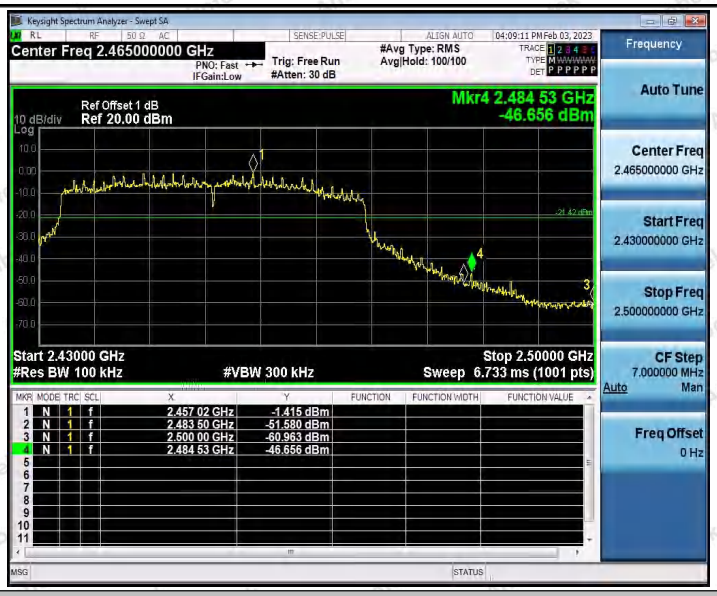
11AX40_Ant1_Low_2422



11AX40_Ant2_Low_2422



11AX40_Ant1_High_2452



11AX40_Ant2_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	5.27	5.27	---	PASS
			30~1000	5.27	-68.65	≤-14.73	PASS
			1000~26500	5.27	-52.48	≤-14.73	PASS
	Ant2	2412	Reference	4.27	4.27	---	PASS
			30~1000	4.27	-68.56	≤-15.73	PASS
			1000~26500	4.27	-52.55	≤-15.73	PASS
	Ant1	2437	Reference	5.36	5.36	---	PASS
			30~1000	5.36	-68.09	≤-14.64	PASS
			1000~26500	5.36	-53.45	≤-14.64	PASS
	Ant2	2437	Reference	3.60	3.60	---	PASS
			30~1000	3.60	-68.28	≤-16.4	PASS
			1000~26500	3.60	-53.16	≤-16.4	PASS
	Ant1	2462	Reference	5.49	5.49	---	PASS
			30~1000	5.49	-68.06	≤-14.51	PASS
			1000~26500	5.49	-52.84	≤-14.51	PASS
	Ant2	2462	Reference	4.49	4.49	---	PASS
			30~1000	4.49	-68.12	≤-15.51	PASS
			1000~26500	4.49	-53.72	≤-15.51	PASS
11G	Ant1	2412	Reference	4.94	4.94	---	PASS
			30~1000	4.94	-68.27	≤-15.06	PASS
			1000~26500	4.94	-53.64	≤-15.06	PASS
	Ant2	2412	Reference	3.88	3.88	---	PASS
			30~1000	3.88	-68.18	≤-16.12	PASS
			1000~26500	3.88	-53.33	≤-16.12	PASS
	Ant1	2437	Reference	4.49	4.49	---	PASS
			30~1000	4.49	-67.82	≤-15.51	PASS
			1000~26500	4.49	-52.7	≤-15.51	PASS
	Ant2	2437	Reference	1.08	1.08	---	PASS
			30~1000	1.08	-68.07	≤-18.92	PASS
			1000~26500	1.08	-53.3	≤-18.92	PASS
	Ant1	2462	Reference	4.65	4.65	---	PASS
			30~1000	4.65	-68.98	≤-15.35	PASS
			1000~26500	4.65	-53.34	≤-15.35	PASS
	Ant2	2462	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-68.76	≤-17.15	PASS
			1000~26500	2.85	-53.51	≤-17.15	PASS

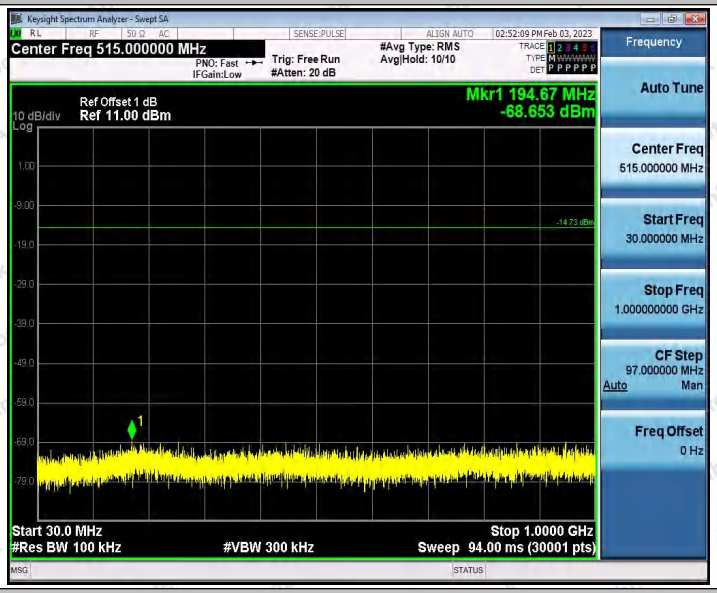
11N20	Ant1	2412	Reference	0.68	0.68	---	PASS
			30~1000	0.68	-68.98	≤-19.32	PASS
			1000~26500	0.68	-53.02	≤-19.32	PASS
	Ant2	2412	Reference	4.18	4.18	---	PASS
			30~1000	4.18	-67.8	≤-15.82	PASS
			1000~26500	4.18	-52.43	≤-15.82	PASS
	Ant1	2437	Reference	1.35	1.35	---	PASS
			30~1000	1.35	-68.48	≤-18.65	PASS
			1000~26500	1.35	-52.93	≤-18.65	PASS
	Ant2	2437	Reference	1.07	1.07	---	PASS
			30~1000	1.07	-68.4	≤-18.93	PASS
			1000~26500	1.07	-53.36	≤-18.93	PASS
	Ant1	2462	Reference	1.51	1.51	---	PASS
			30~1000	1.51	-68.5	≤-18.49	PASS
			1000~26500	1.51	-53.17	≤-18.49	PASS
	Ant2	2462	Reference	4.38	4.38	---	PASS
			30~1000	4.38	-68.42	≤-15.62	PASS
			1000~26500	4.38	-53.26	≤-15.62	PASS
11N40	Ant1	2422	Reference	-1.57	-1.57	---	PASS
			30~1000	-1.57	-68.04	≤-21.57	PASS
			1000~26500	-1.57	-53.29	≤-21.57	PASS
	Ant2	2422	Reference	1.00	1.00	---	PASS
			30~1000	1.00	-68.06	≤-19	PASS
			1000~26500	1.00	-53.43	≤-19	PASS
	Ant1	2437	Reference	-2.05	-2.05	---	PASS
			30~1000	-2.05	-69.01	≤-22.05	PASS
			1000~26500	-2.05	-53.31	≤-22.05	PASS
	Ant2	2437	Reference	-1.78	-1.78	---	PASS
			30~1000	-1.78	-69.1	≤-21.78	PASS
			1000~26500	-1.78	-53.49	≤-21.78	PASS
	Ant1	2452	Reference	-1.38	-1.38	---	PASS
			30~1000	-1.38	-67.79	≤-21.38	PASS
			1000~26500	-1.38	-53.58	≤-21.38	PASS
	Ant2	2452	Reference	-1.21	-1.21	---	PASS
			30~1000	-1.21	-68.21	≤-21.21	PASS
			1000~26500	-1.21	-53.22	≤-21.21	PASS
11AX20	Ant1	2412	Reference	1.47	1.47	---	PASS
			30~1000	1.47	-68.86	≤-18.53	PASS
			1000~26500	1.47	-53.5	≤-18.53	PASS
	Ant2	2412	Reference	1.55	1.55	---	PASS
			30~1000	1.55	-68.72	≤-18.45	PASS
			1000~26500	1.55	-53.1	≤-18.45	PASS

	Ant1	2437	Reference	1.03	1.03	---	PASS
			30~1000	1.03	-68.67	≤-18.97	PASS
			1000~26500	1.03	-53.63	≤-18.97	PASS
	Ant2	2437	Reference	-0.85	-0.85	---	PASS
			30~1000	-0.85	-69.31	≤-20.85	PASS
			1000~26500	-0.85	-52.7	≤-20.85	PASS
	Ant1	2462	Reference	0.79	0.79	---	PASS
			30~1000	0.79	-67.93	≤-19.21	PASS
			1000~26500	0.79	-53.49	≤-19.21	PASS
	Ant2	2462	Reference	0.76	0.76	---	PASS
			30~1000	0.76	-68.29	≤-19.24	PASS
			1000~26500	0.76	-53.34	≤-19.24	PASS
11AX40	Ant1	2422	Reference	-1.38	-1.38	---	PASS
			30~1000	-1.38	-68.81	≤-21.38	PASS
			1000~26500	-1.38	-52.84	≤-21.38	PASS
	Ant2	2422	Reference	-1.36	-1.36	---	PASS
			30~1000	-1.36	-68.7	≤-21.36	PASS
			1000~26500	-1.36	-53.25	≤-21.36	PASS
	Ant1	2437	Reference	-2.40	-2.40	---	PASS
			30~1000	-2.40	-68.39	≤-22.4	PASS
			1000~26500	-2.40	-53.29	≤-22.4	PASS
	Ant2	2437	Reference	-2.68	-2.68	---	PASS
			30~1000	-2.68	-68.97	≤-22.68	PASS
			1000~26500	-2.68	-51.99	≤-22.68	PASS
	Ant1	2452	Reference	-1.87	-1.87	---	PASS
			30~1000	-1.87	-68.74	≤-21.87	PASS
			1000~26500	-1.87	-53.14	≤-21.87	PASS
	Ant2	2452	Reference	-1.67	-1.67	---	PASS
			30~1000	-1.67	-68.48	≤-21.67	PASS
			1000~26500	-1.67	-53.4	≤-21.67	PASS

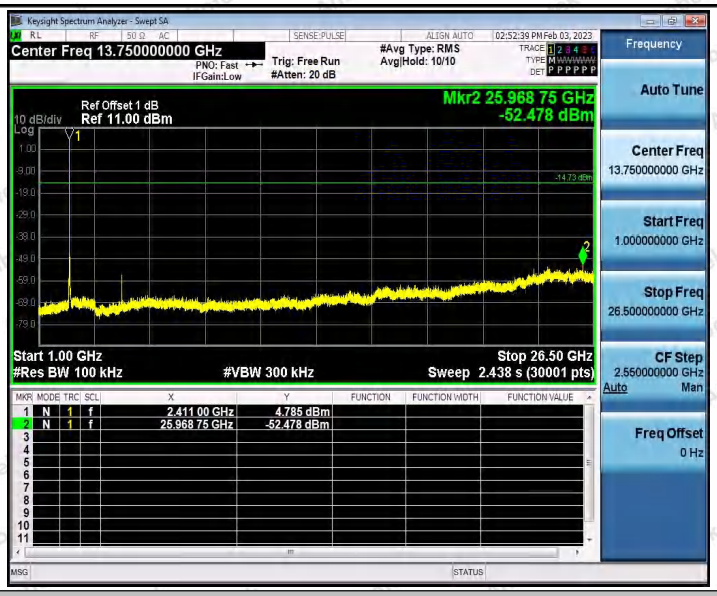
Test Graphs

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000

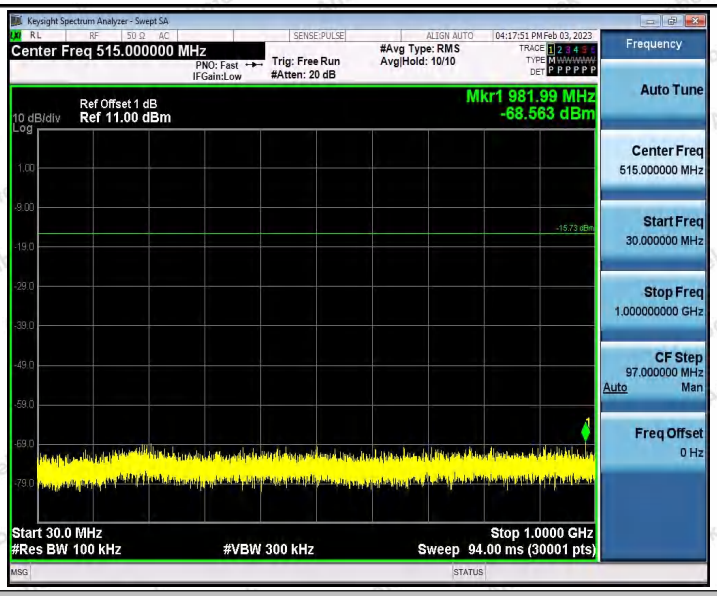


11B_Ant1_2412_1000~26500

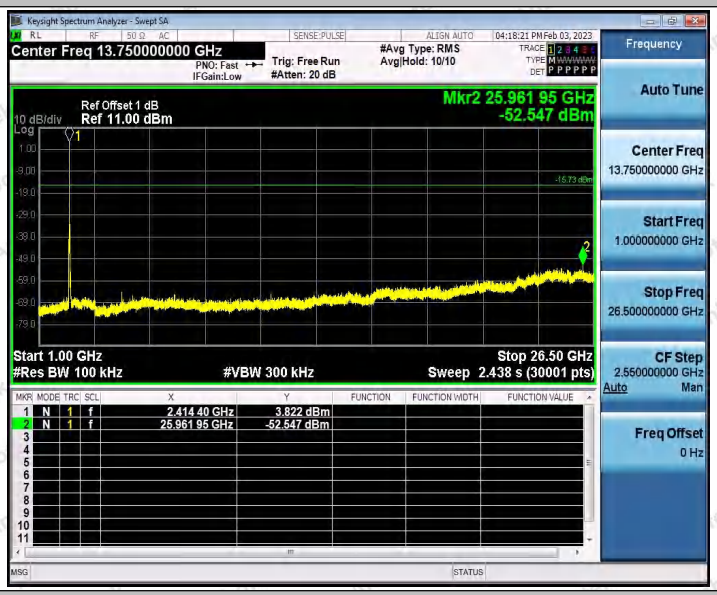


11B_Ant2_2412_0~Reference

11B_Ant2_2412_30~1000

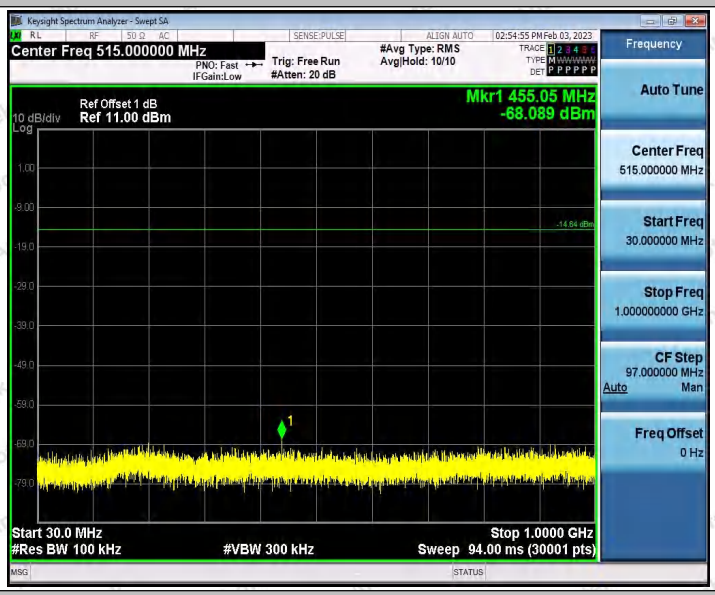


11B_Ant2_2412_1000~26500

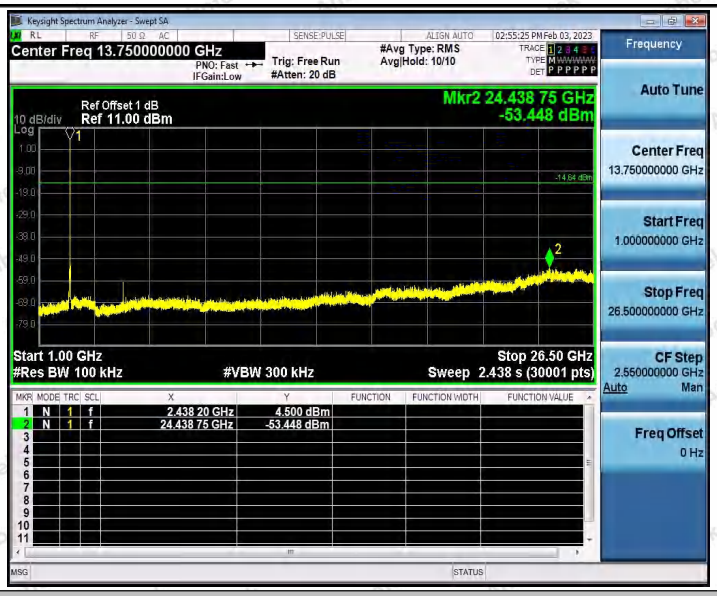


11B_Ant1_2437_0~Reference

11B_Ant1_2437_30~1000

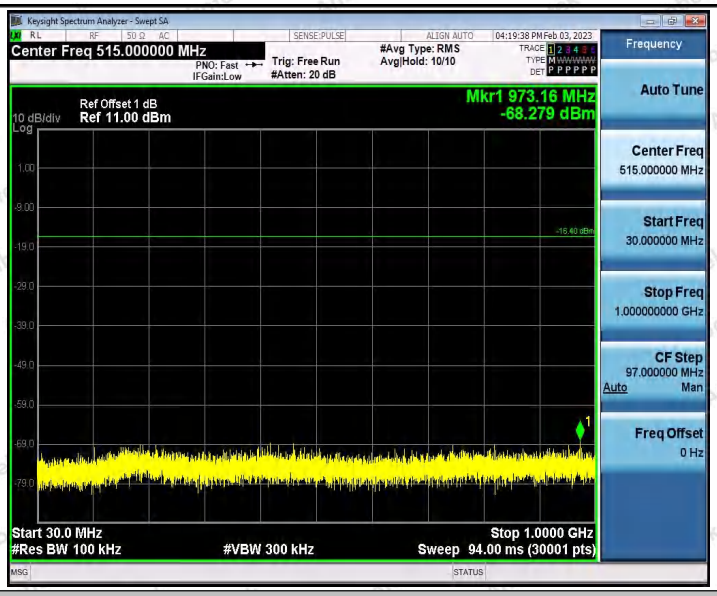


11B_Ant1_2437_1000~26500

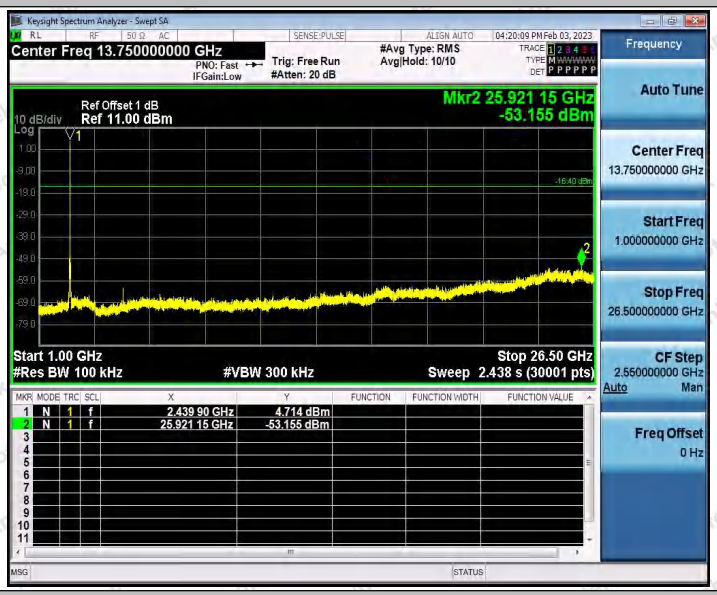


11B_Ant2_2437_0~Reference

11B_Ant2_2437_30~1000

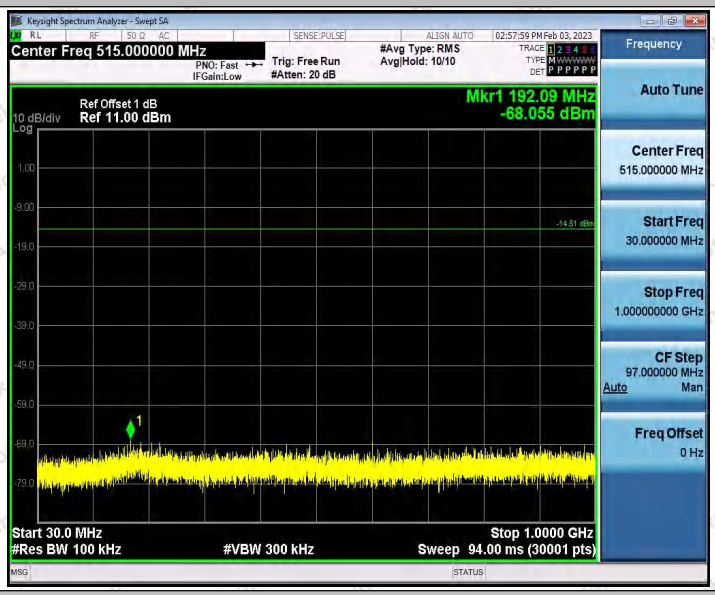


11B_Ant2_2437_1000~26500

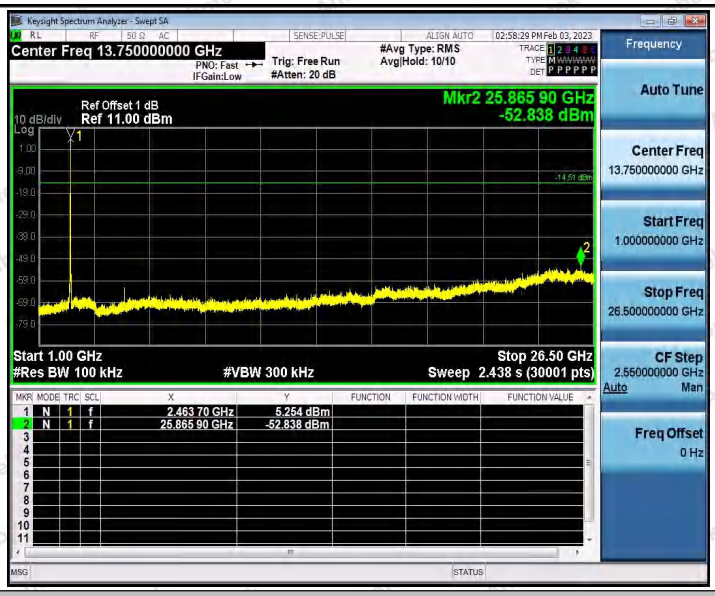


11B_Ant1_2462_0~Reference

11B_Ant1_2462_30~1000

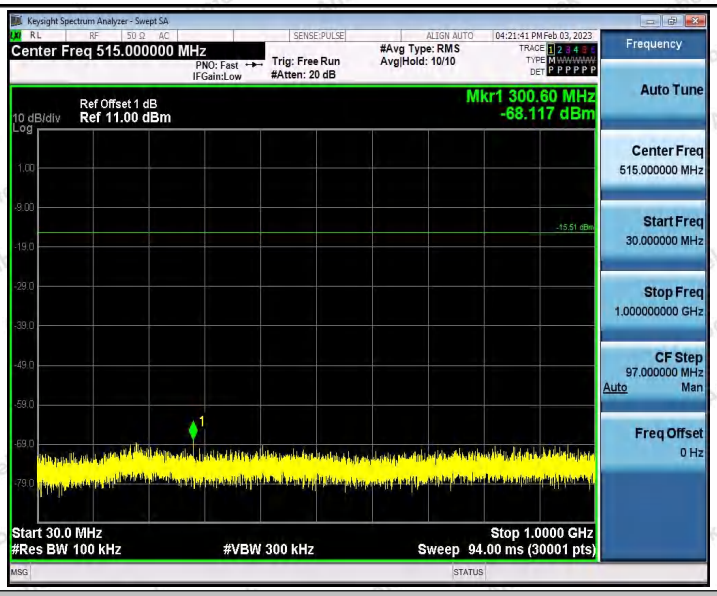


11B_Ant1_2462_1000~26500

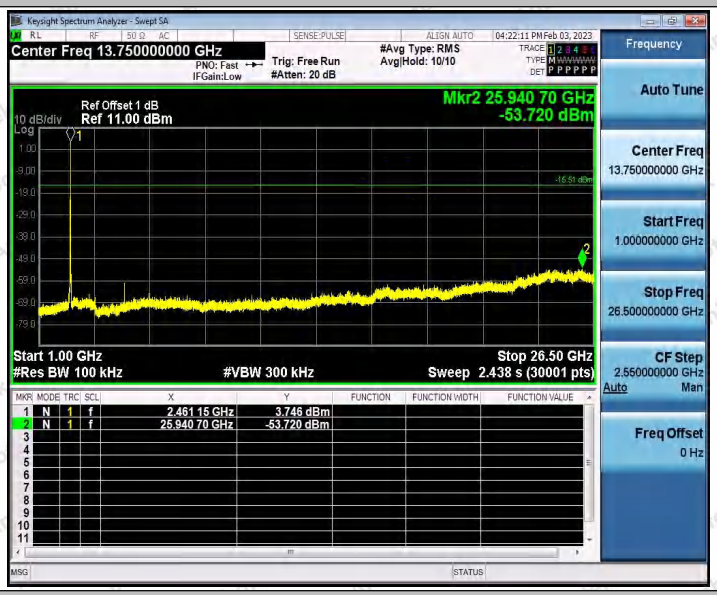


11B_Ant2_2462_0~Reference

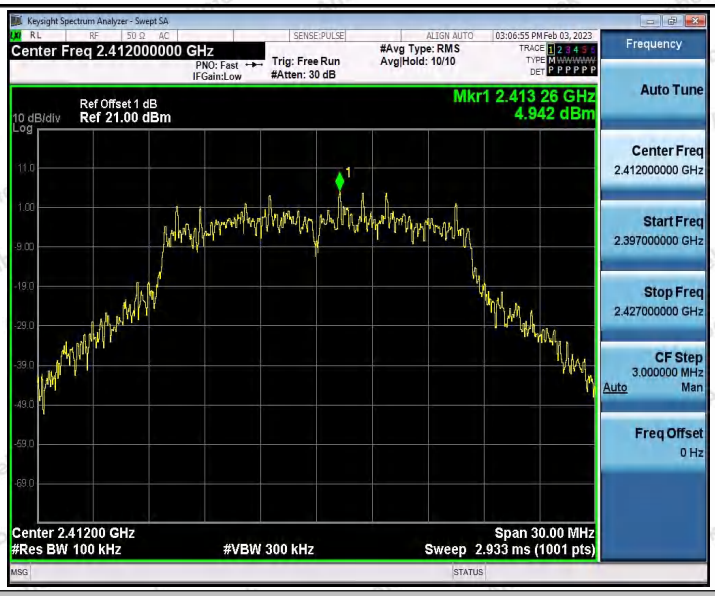
11B_Ant2_2462_30~1000



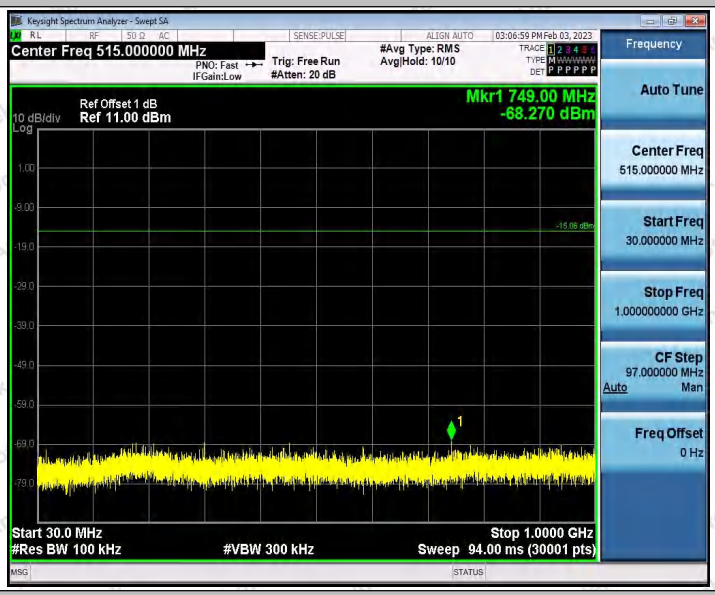
11B_Ant2_2462_1000~26500



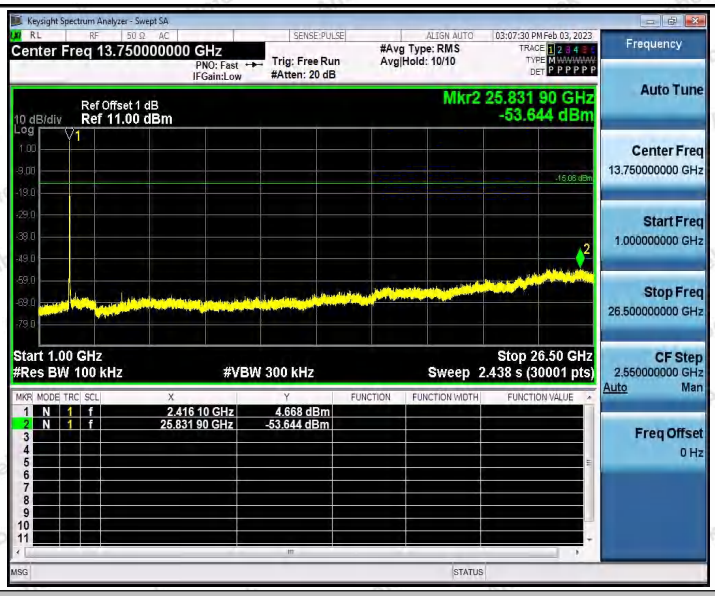
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000

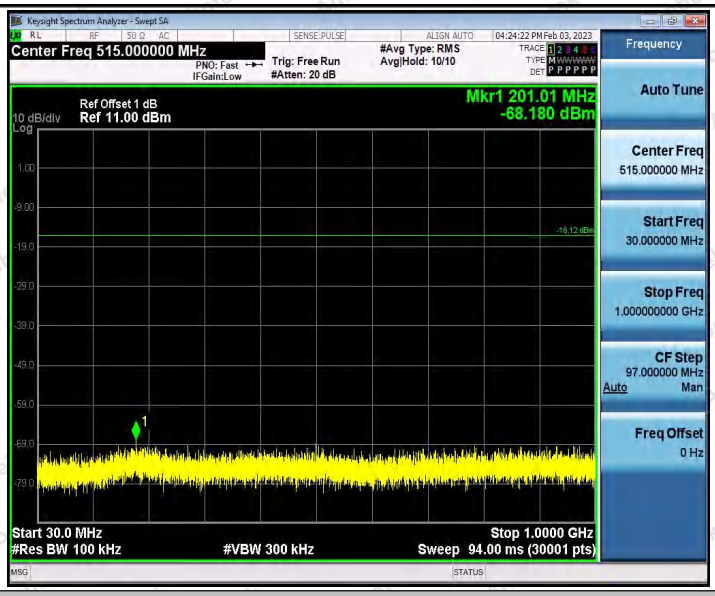


11G_Ant1_2412_1000~26500

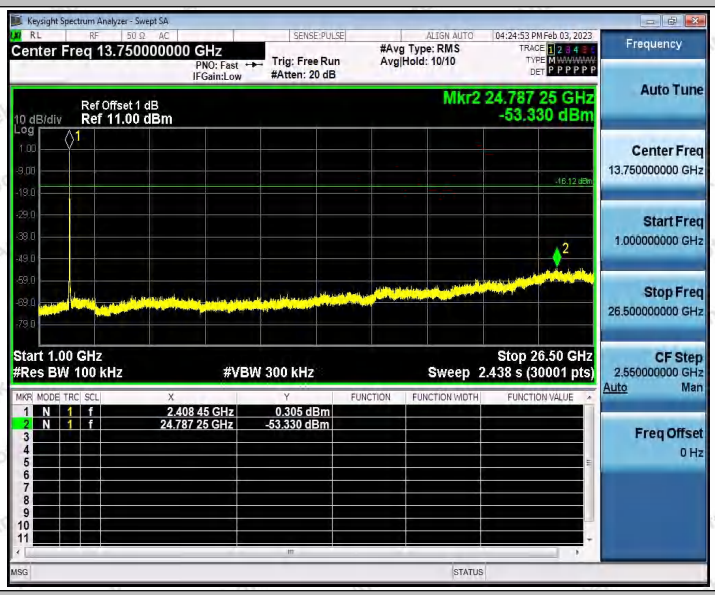


11G_Ant2_2412_0~Reference

11G_Ant2_2412_30~1000

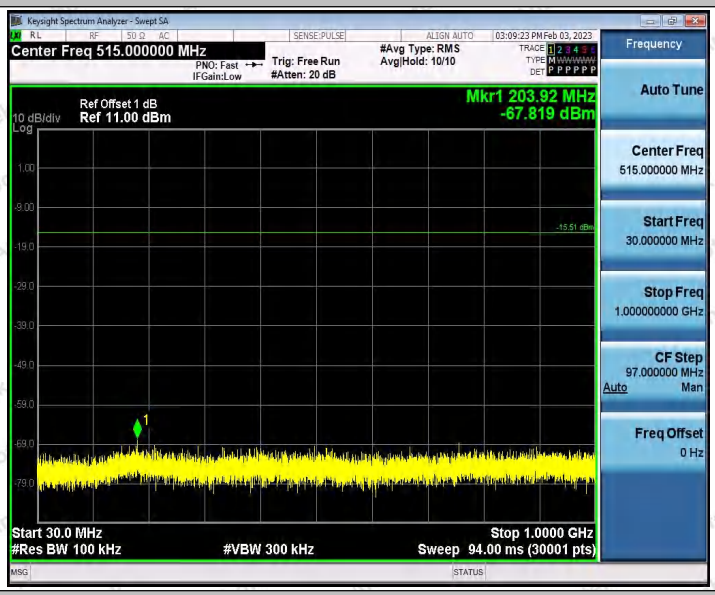


11G_Ant2_2412_1000~26500

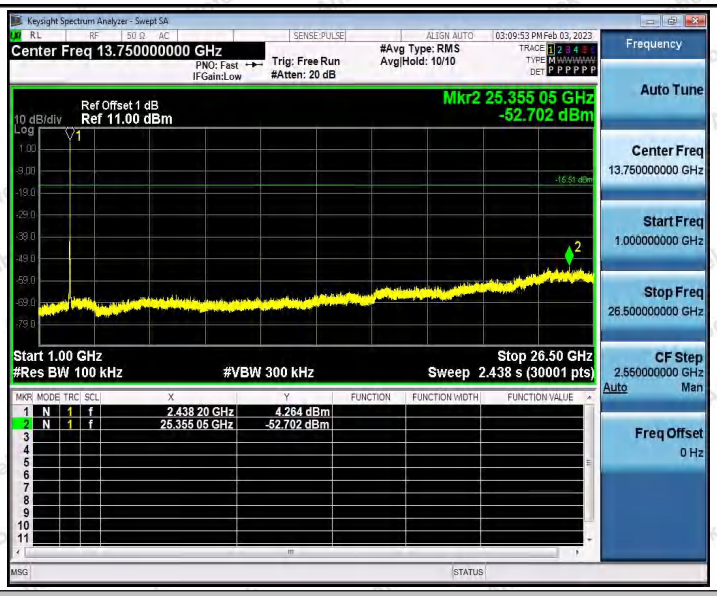


11G_Ant1_2437_0~Reference

11G_Ant1_2437_30~1000

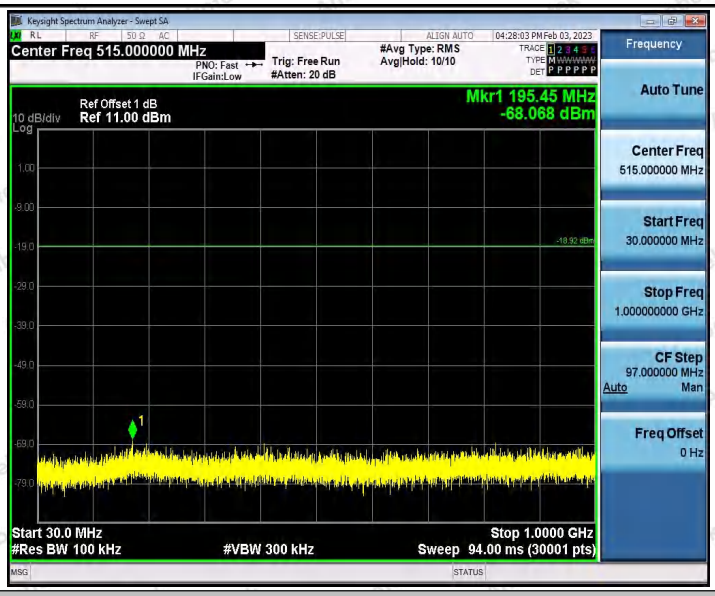


11G_Ant1_2437_1000~26500

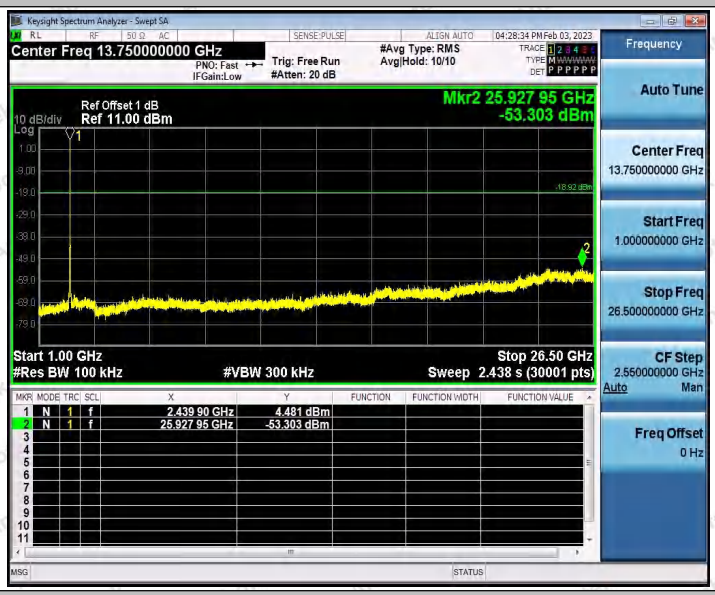


11G_Ant2_2437_0~Reference

11G_Ant2_2437_30~1000

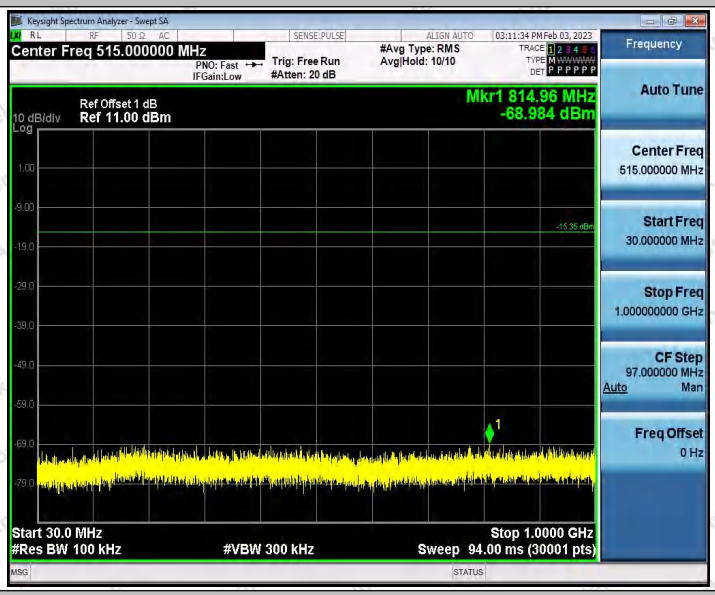


11G_Ant2_2437_1000~26500

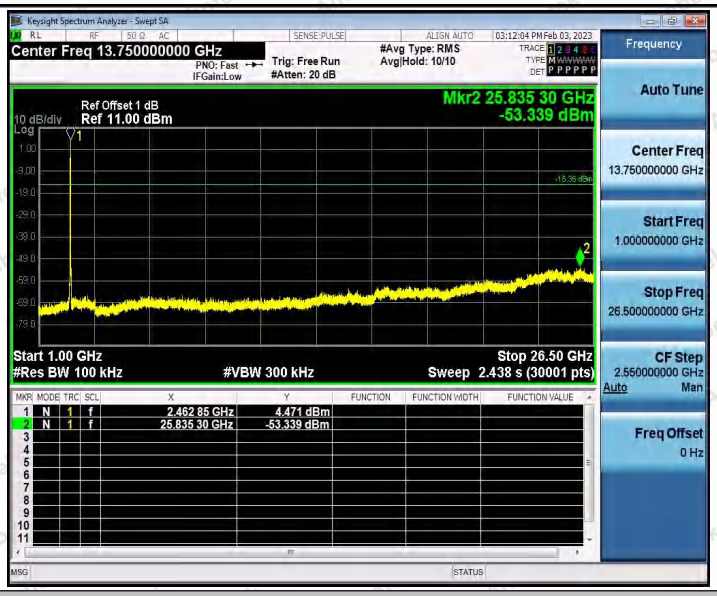


11G_Ant1_2462_0~Reference

11G_Ant1_2462_30~1000

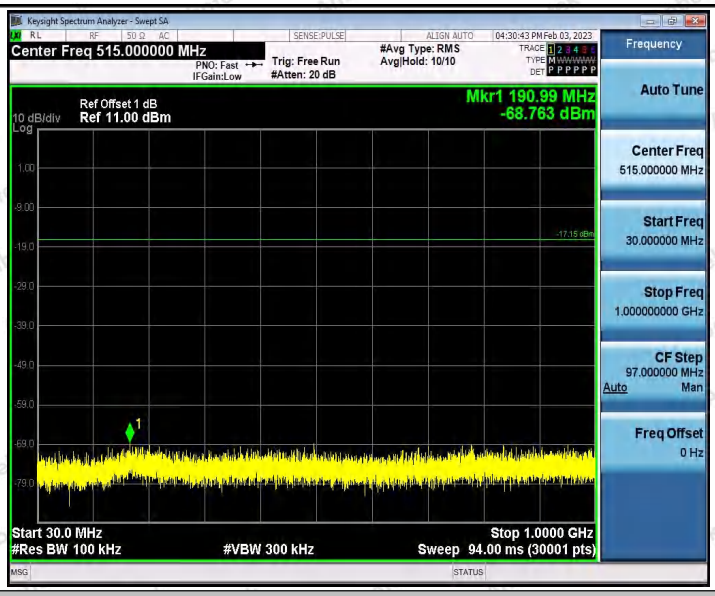


11G_Ant1_2462_1000~26500

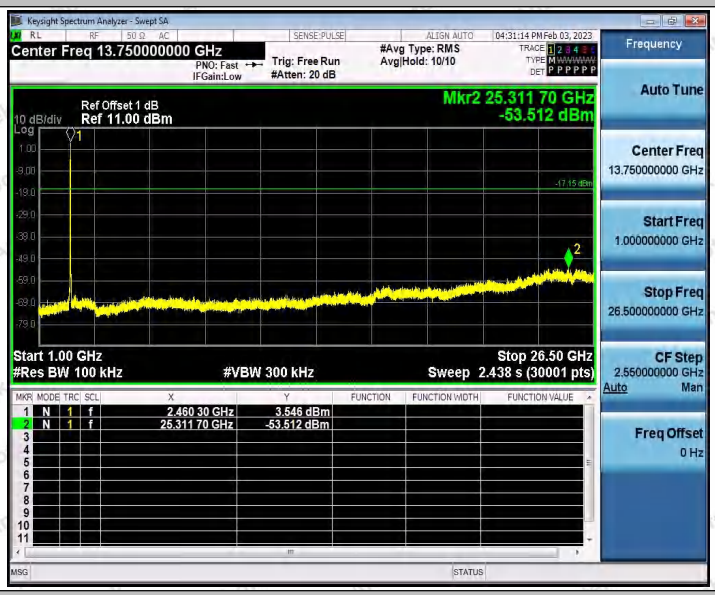


11G_Ant2_2462_0~Reference

11G_Ant2_2462_30~1000

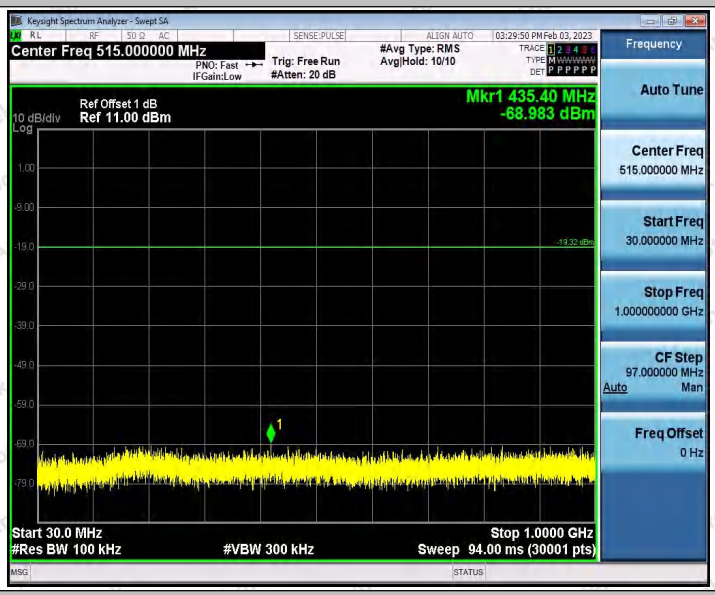


11G_Ant2_2462_1000~26500

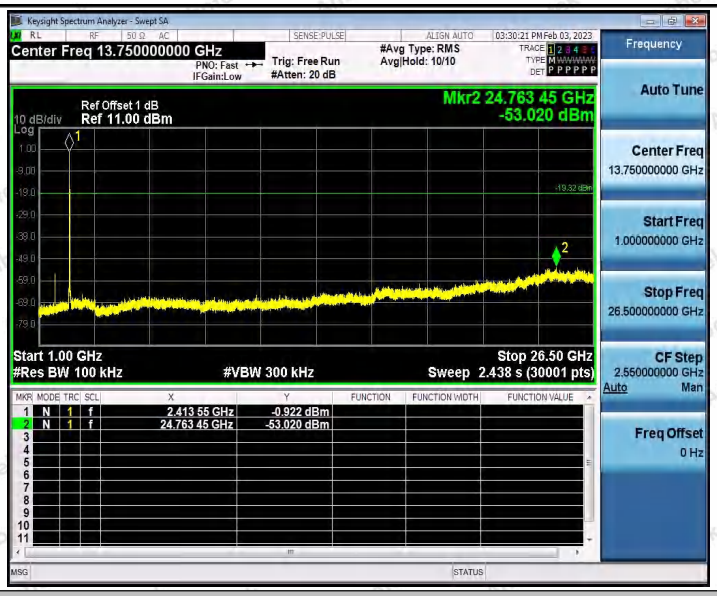


11N20_Ant1_2412_0~Reference

11N20_Ant1_2412_30~1000

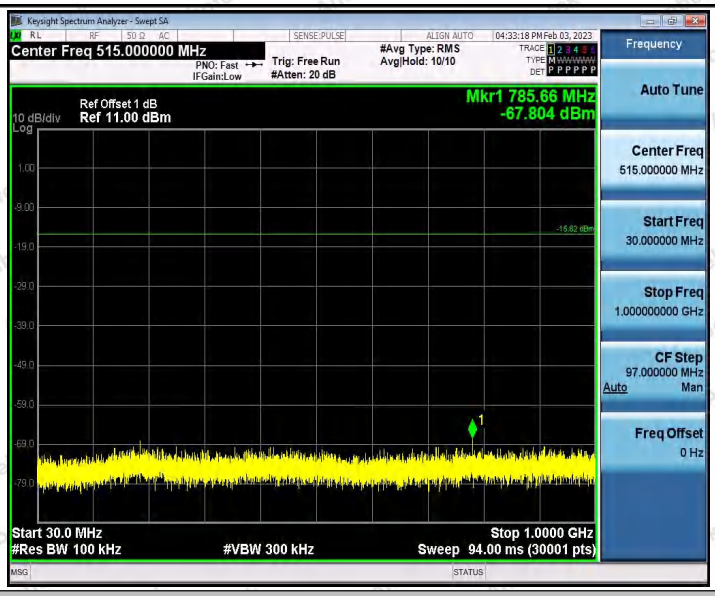


11N20_Ant1_2412_1000~26500

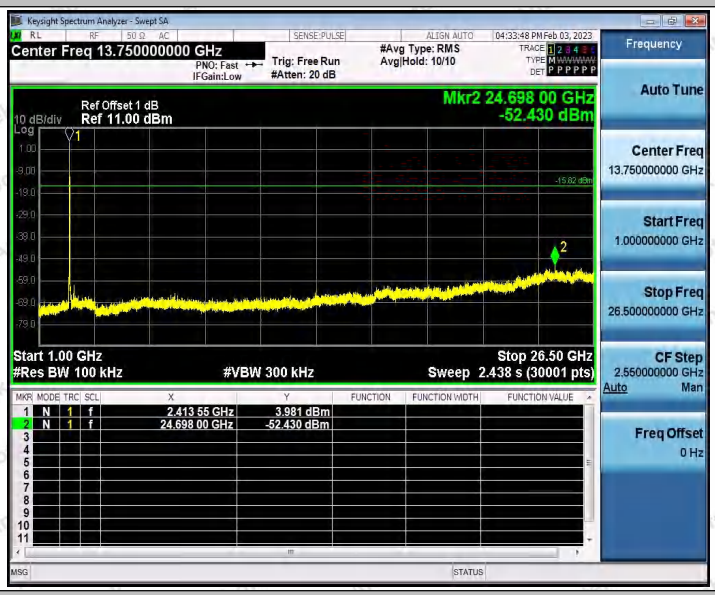


11N20_Ant2_2412_0~Reference

11N20_Ant2_2412_30~1000

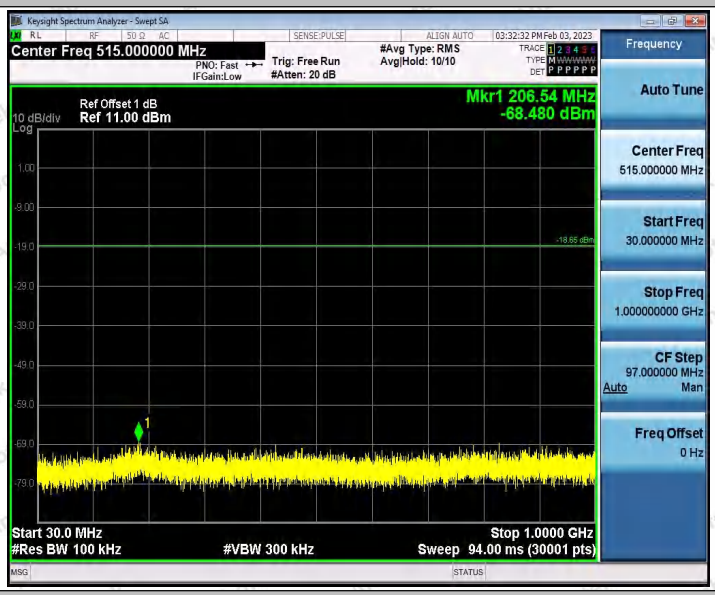


11N20_Ant2_2412_1000~26500

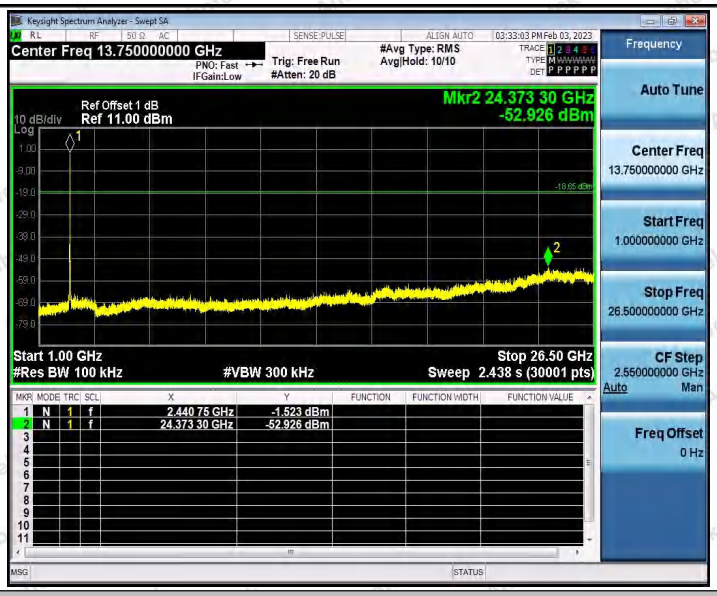


11N20_Ant1_2437_0~Reference

11N20_Ant1_2437_30~1000



11N20_Ant1_2437_1000~26500



11N20_Ant2_2437_0~Reference

11N20_Ant2_2437_30~1000