

Case No. : <u>GTS20221215006-1-3</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.2.3</u> Test Engineer: <u>Jenny zeng</u>

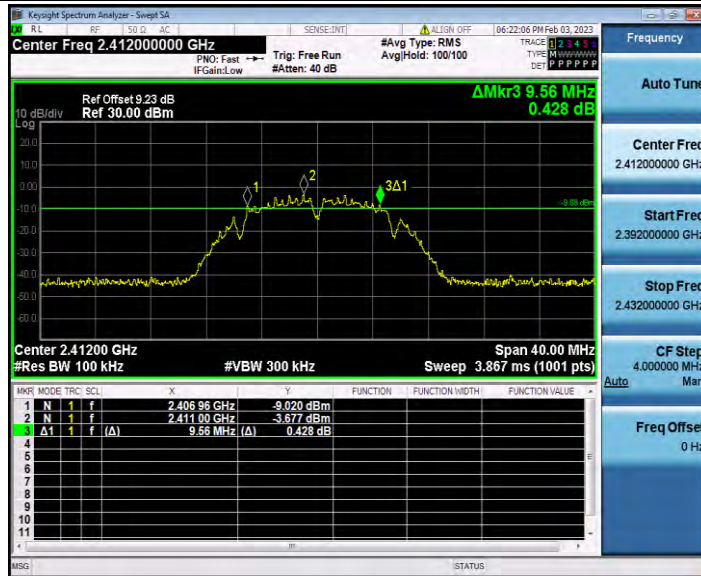
Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.560	2406.960	2416.520	0.5	PASS
		2437	9.520	2431.960	2441.480	0.5	PASS
		2462	9.560	2457.440	2467.000	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	13.360	2431.120	2444.480	0.5	PASS
		2462	11.760	2456.520	2468.280	0.5	PASS
11N20SISO	Ant1	2412	12.720	2406.720	2419.440	0.5	PASS
		2437	12.960	2431.600	2444.560	0.5	PASS
		2462	13.200	2454.400	2467.600	0.5	PASS
11N40SISO	Ant1	2422	32.560	2406.960	2439.520	0.5	PASS
		2437	33.200	2420.680	2453.880	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

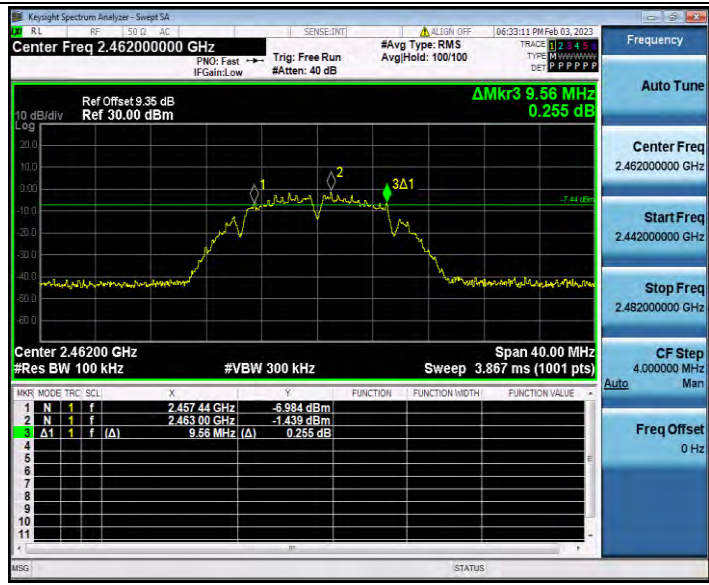
11B_Ant1_2412



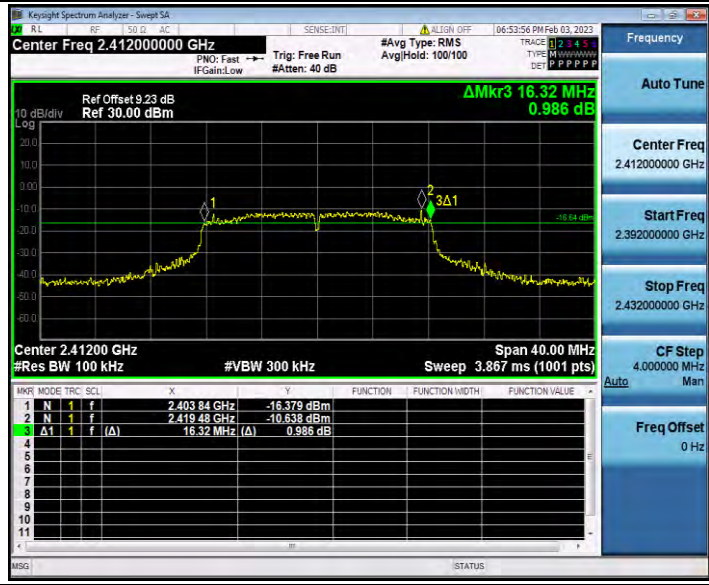
11B_Ant1_2437



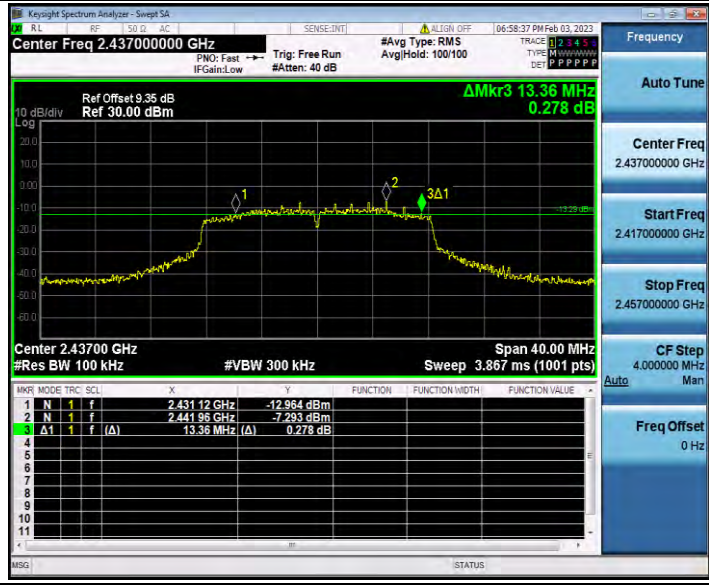
11B_Ant1_2462



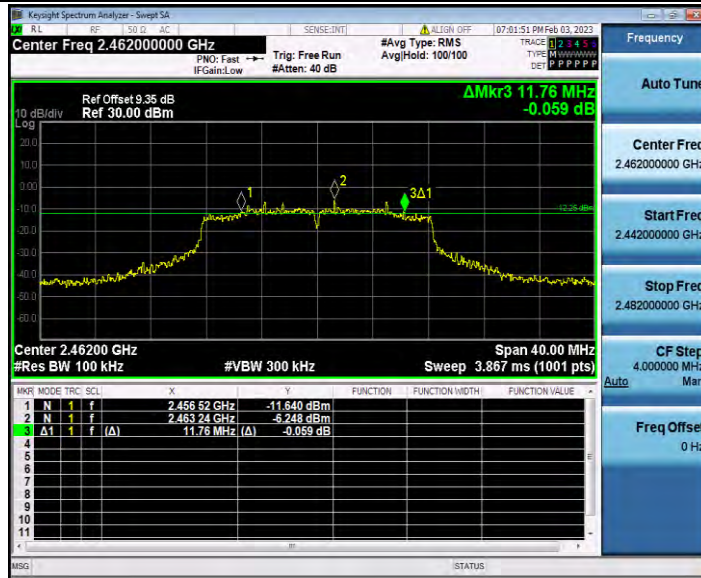
11G_Ant1_2412



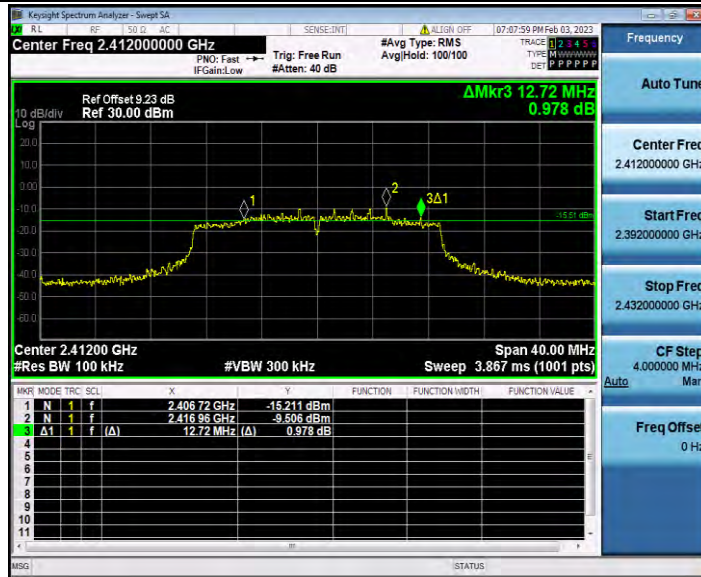
11G_Ant1_2437



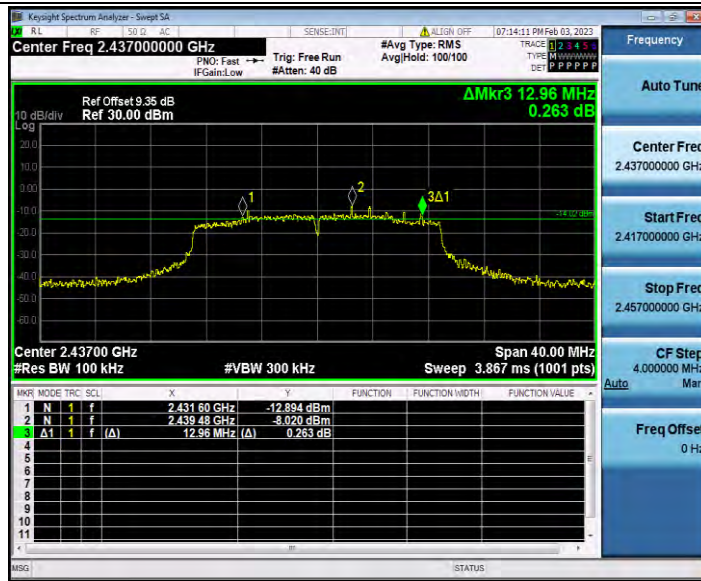
11G_Ant1_2462



11N20SISO_Ant1_2412



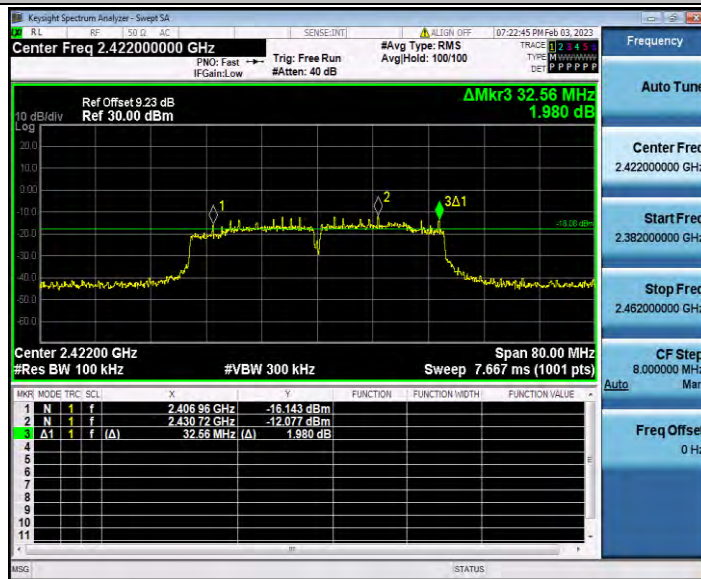
11N20SISO_Ant1_2437



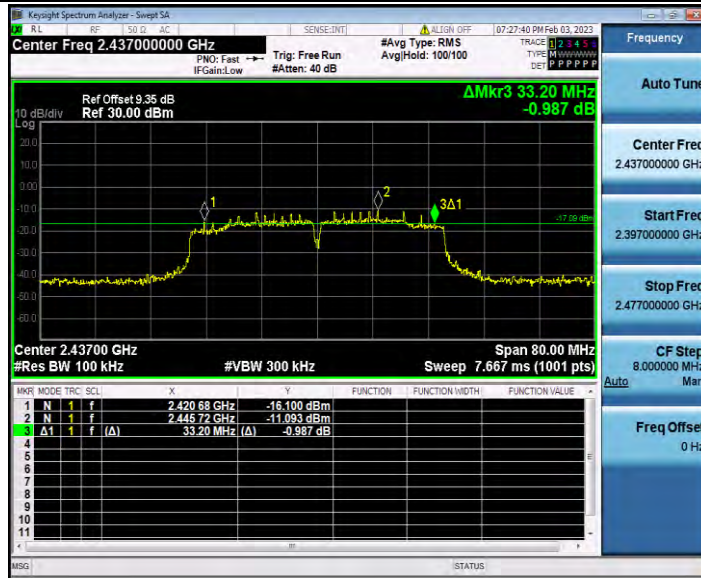
11N20SISO_Ant1_2462



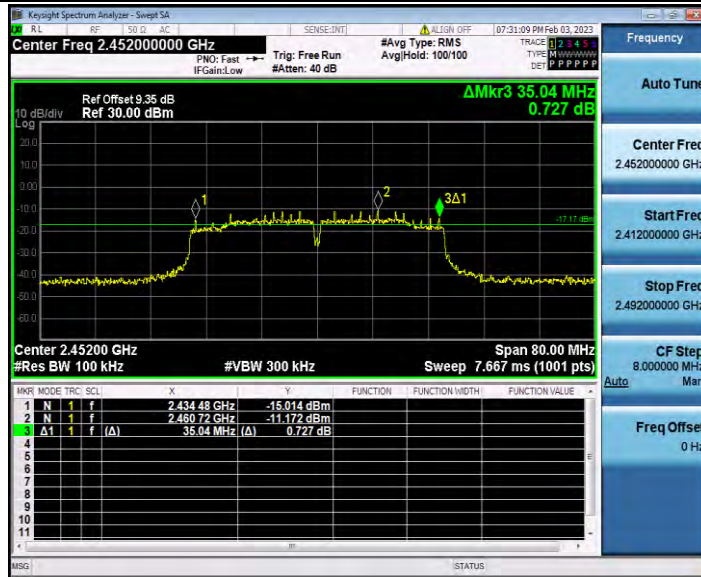
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.2: Occupied Channel Bandwidth

Test Result

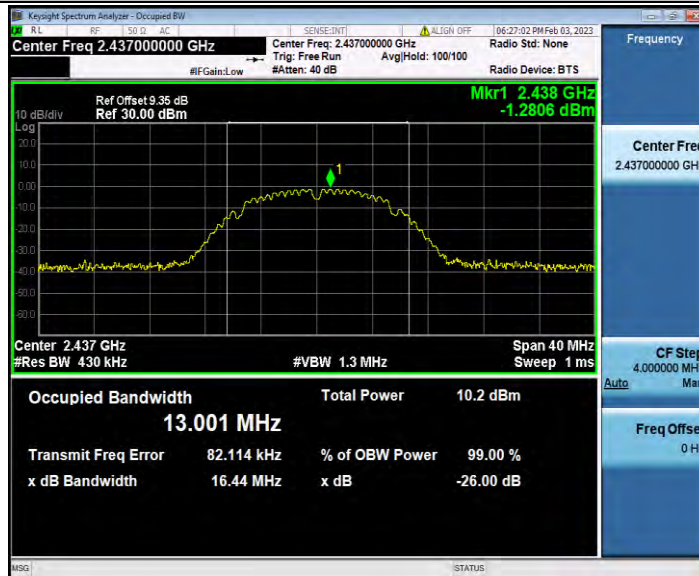
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.081	2405.502	2418.583	---	---
		2437	13.001	2430.582	2443.583	---	---
		2462	13.025	2455.494	2468.519	---	---
11G	Ant1	2412	17.026	2403.554	2420.580	---	---
		2437	16.859	2428.639	2445.498	---	---
		2462	16.772	2453.621	2470.393	---	---
11N20SISO	Ant1	2412	18.159	2403.007	2421.166	---	---
		2437	18.061	2428.061	2446.122	---	---
		2462	18.006	2452.994	2471.000	---	---
11N40SISO	Ant1	2422	36.538	2403.908	2440.446	---	---
		2437	36.289	2419.066	2455.355	---	---
		2452	36.270	2433.960	2470.230	---	---

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



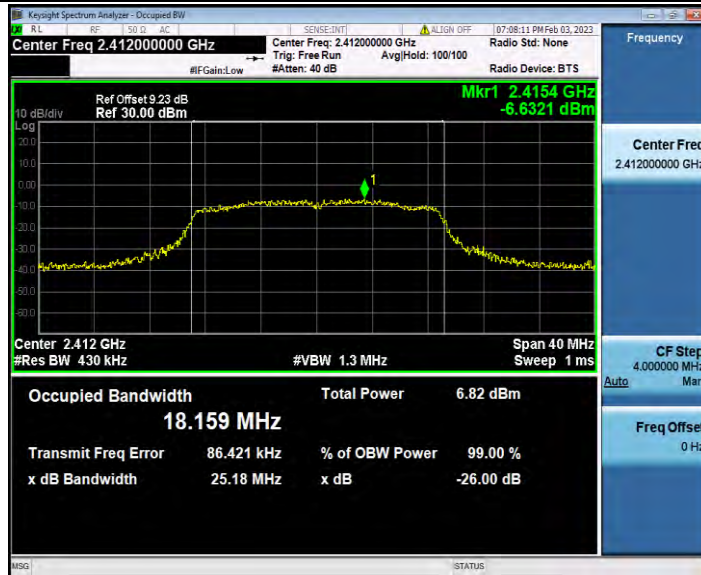
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	8.80	≤30.00	PASS
		2437	8.28	≤30.00	PASS
		2462	8.42	≤30.00	PASS
11G	Ant1	2412	8.25	≤30.00	PASS
		2437	8.42	≤30.00	PASS
		2462	8.04	≤30.00	PASS
11N20SISO	Ant1	2412	7.91	≤30.00	PASS
		2437	8.34	≤30.00	PASS
		2462	8.92	≤30.00	PASS
11N40SISO	Ant1	2422	8.53	≤30.00	PASS
		2437	8.42	≤30.00	PASS
		2452	8.63	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.57	≤8.00	PASS
		2437	-15.14	≤8.00	PASS
		2462	-15.65	≤8.00	PASS
11G	Ant1	2412	-23.38	≤8.00	PASS
		2437	-22.11	≤8.00	PASS
		2462	-21.27	≤8.00	PASS
11N20SISO	Ant1	2412	-23.1	≤8.00	PASS
		2437	-23.23	≤8.00	PASS
		2462	-22.63	≤8.00	PASS
11N40SISO	Ant1	2422	-27.08	≤8.00	PASS
		2437	-25.98	≤8.00	PASS
		2452	-25.51	≤8.00	PASS

Test Graphs

11B_Ant1_2412



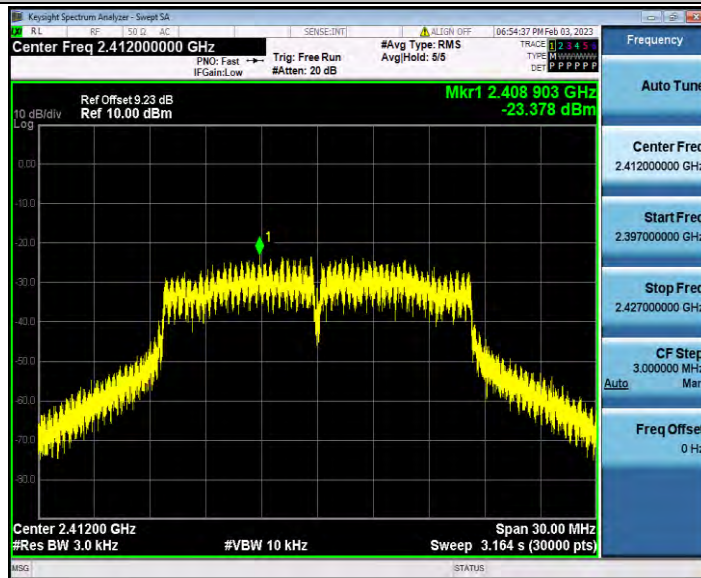
11B_Ant1_2437



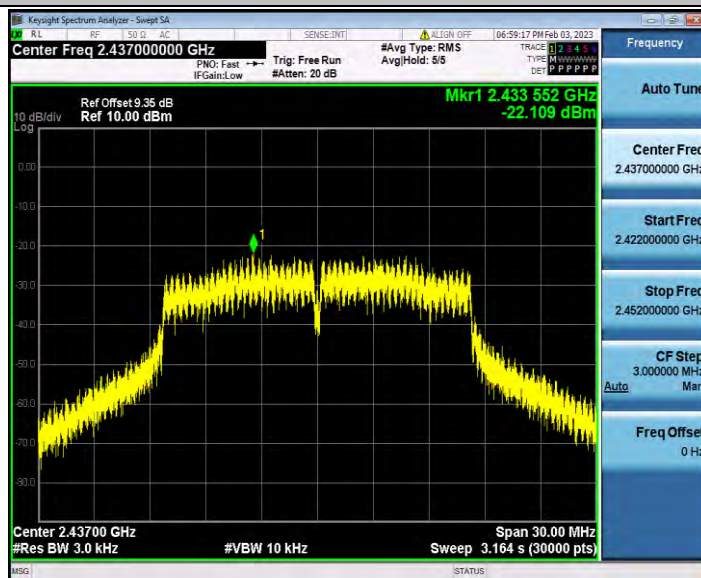
11B_Ant1_2462



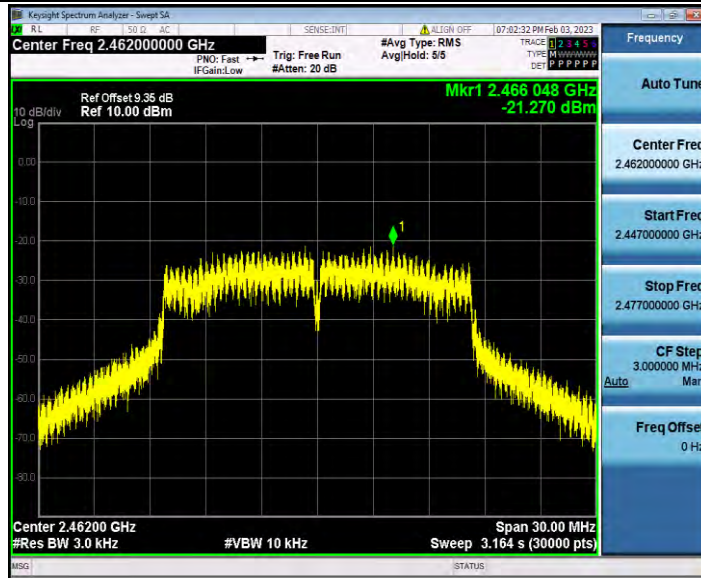
11G_Ant1_2412



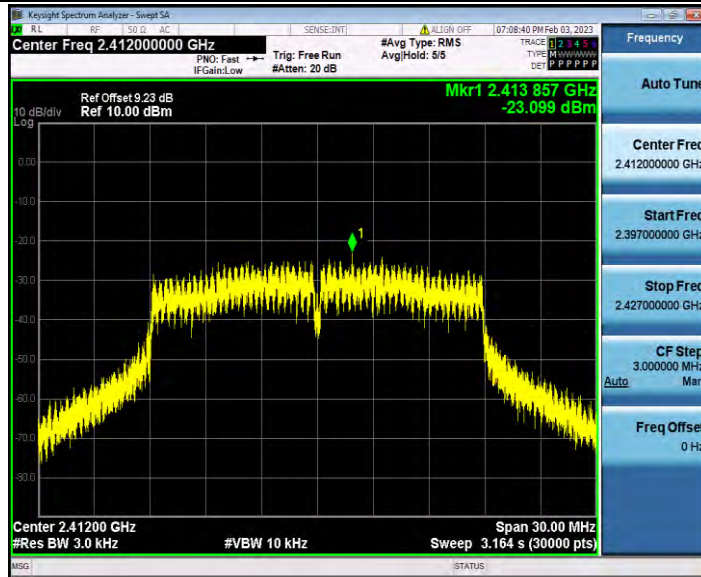
11G_Ant1_2437



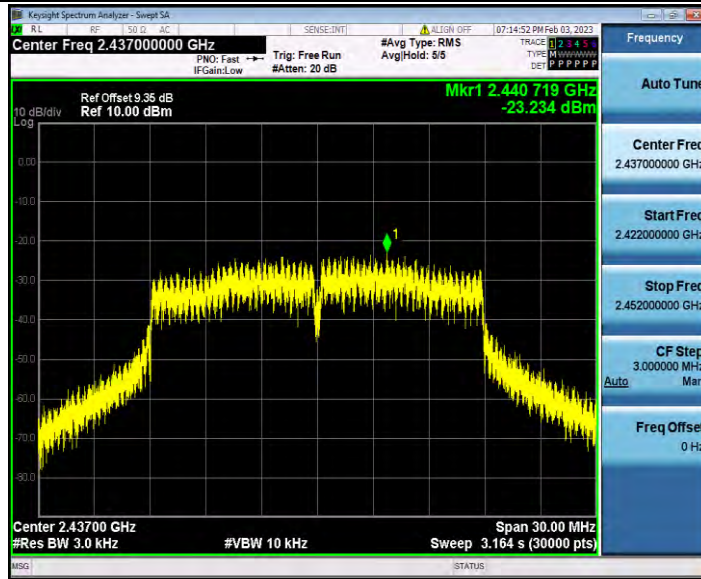
11G_Ant1_2462



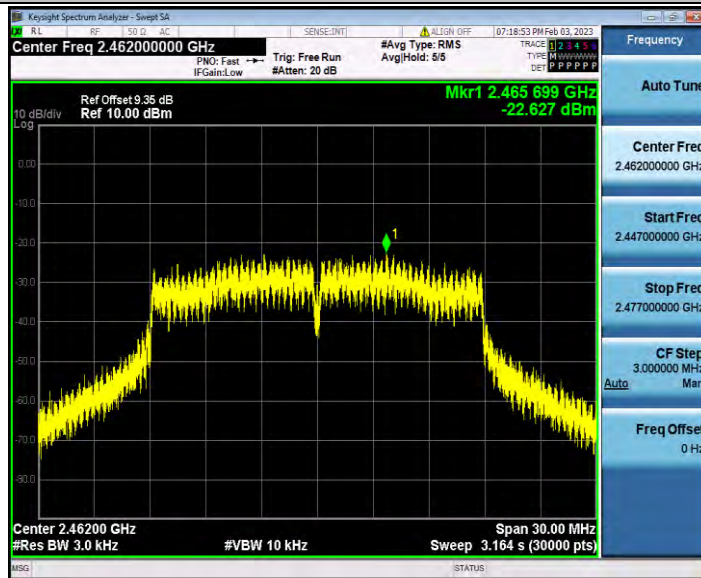
11N20SISO_Ant1_2412



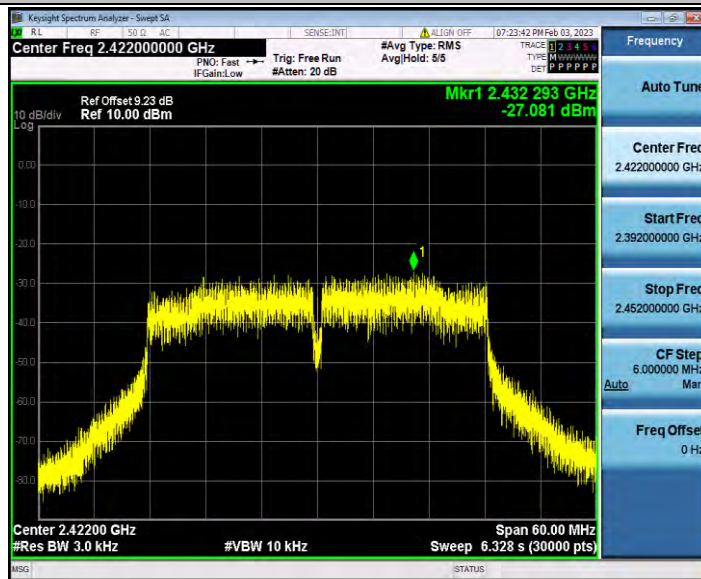
11N20SISO_Ant1_2437



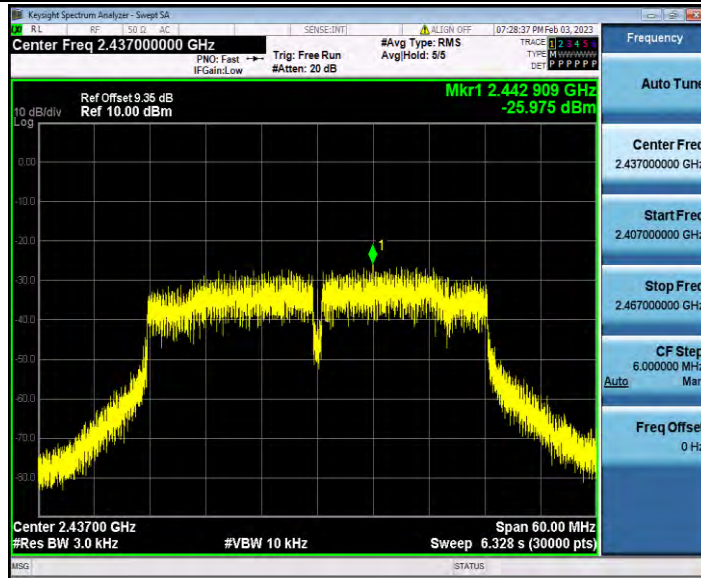
11N20SISO_Ant1_2462



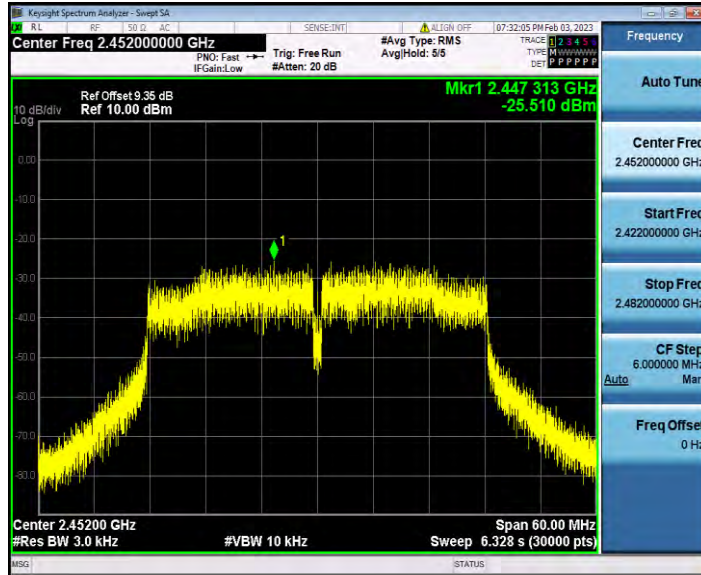
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



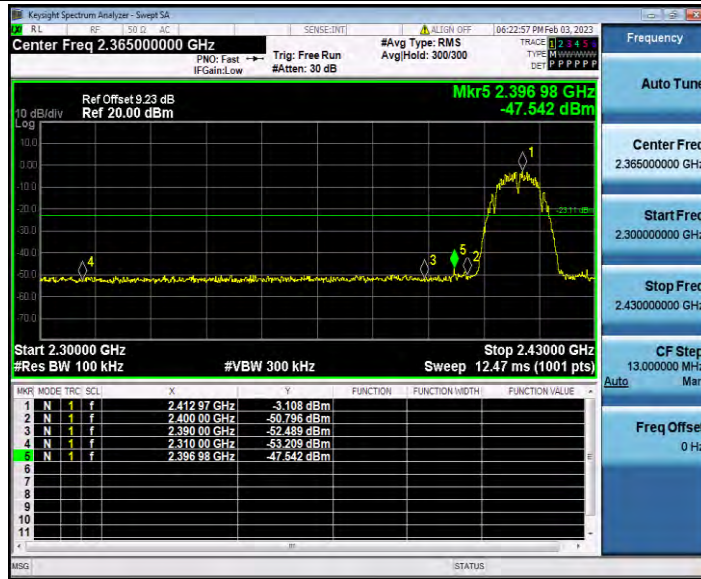
Appendix C.5: Band edge measurements

Test Result

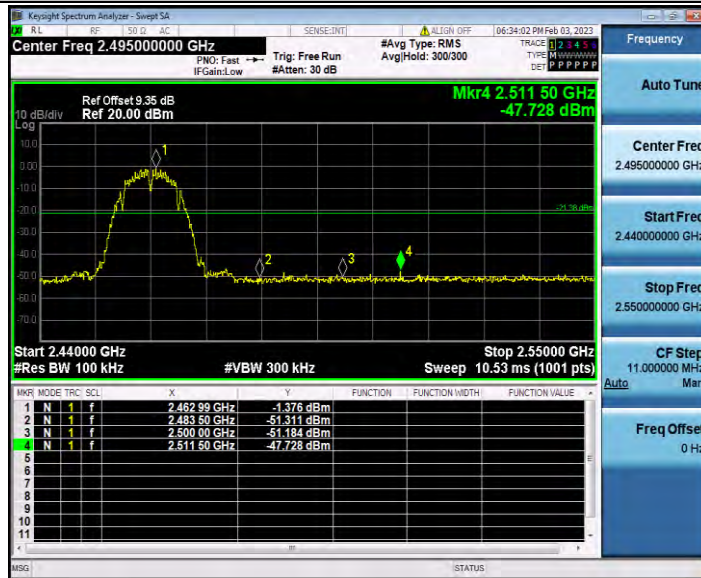
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.11	-47.54	≤-23.11	PASS
		High	2462	-1.38	-47.73	≤-21.38	PASS
11G	Ant1	Low	2412	-7.97	-38.06	≤-27.97	PASS
		High	2462	-6.35	-49.24	≤-26.35	PASS
11N20SISO	Ant1	Low	2412	-8.97	-38.52	≤-28.97	PASS
		High	2462	-7.18	-48.61	≤-27.18	PASS
11N40SISO	Ant1	Low	2422	-11.86	-43.31	≤-31.86	PASS
		High	2452	-10.36	-49.17	≤-30.36	PASS

Test Graphs

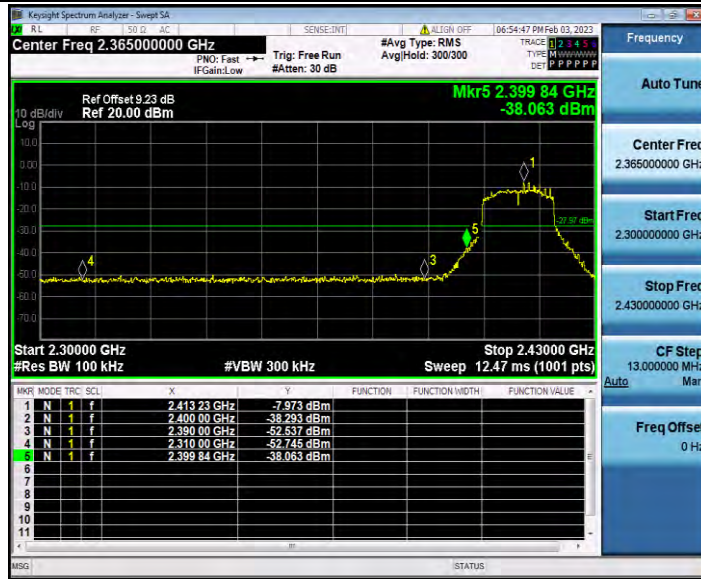
11B_Ant1_Low_2412



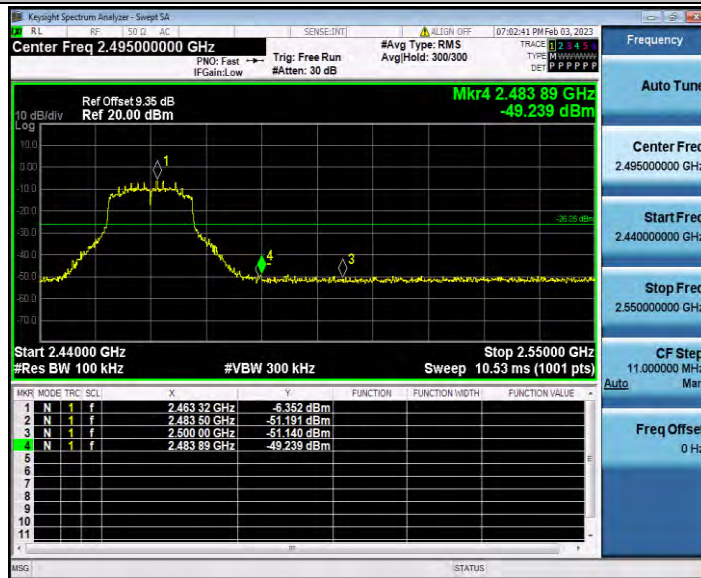
11B_Ant1_High_2462



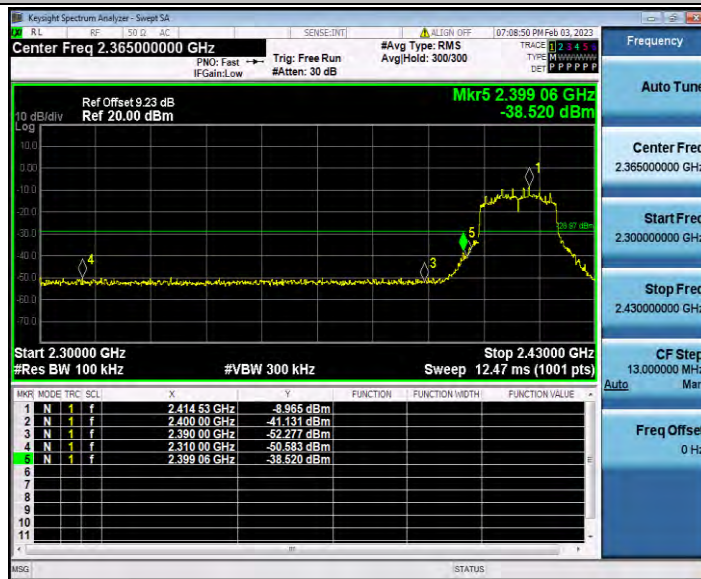
11G_Ant1_Low_2412



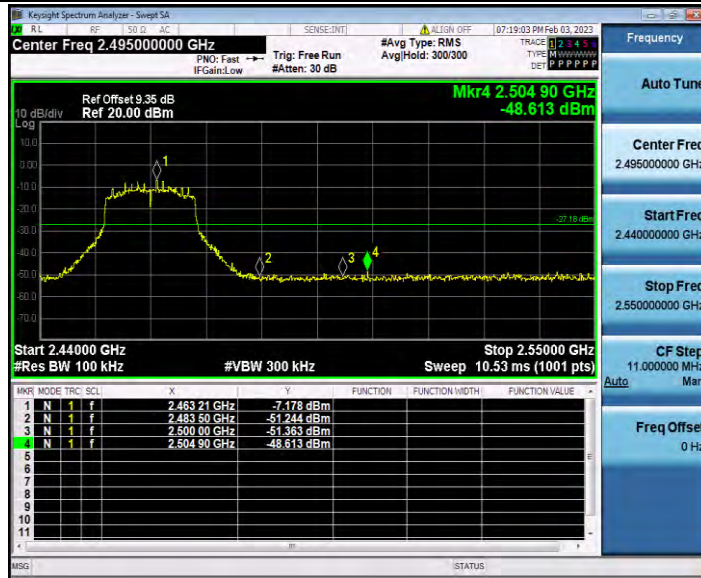
11G_Ant1_High_2462



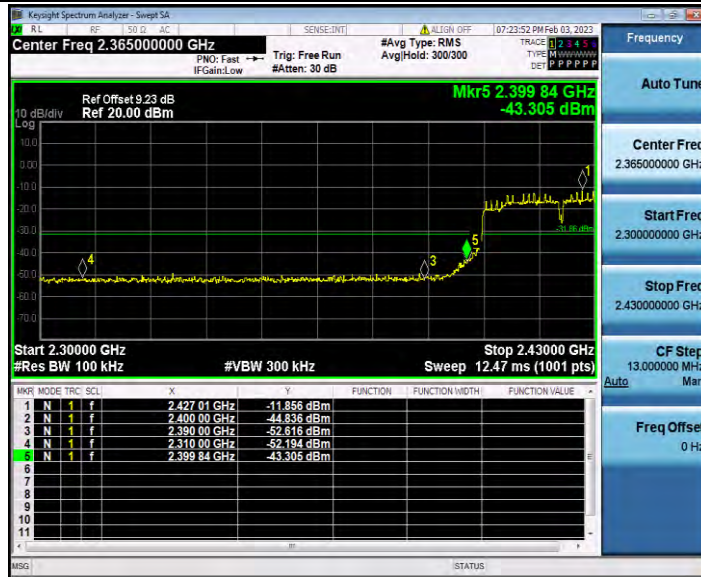
11N20SISO_Ant1_Low_2412



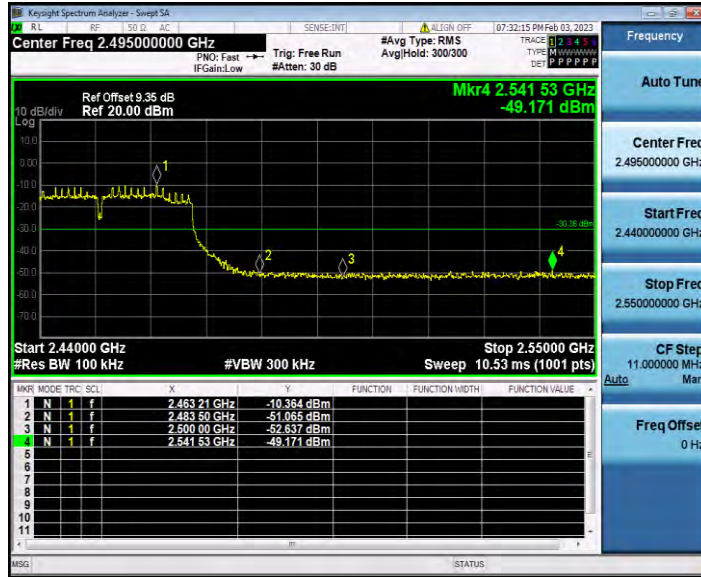
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



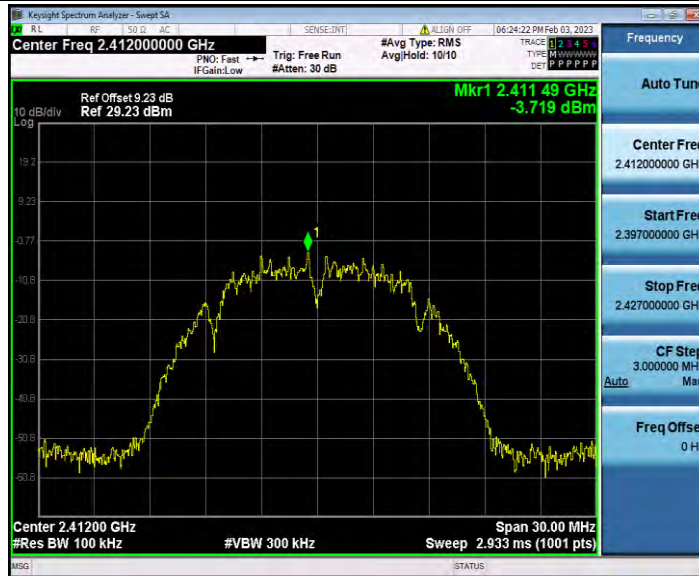
Appendix C.6: Conducted Spurious Emission

Test Result

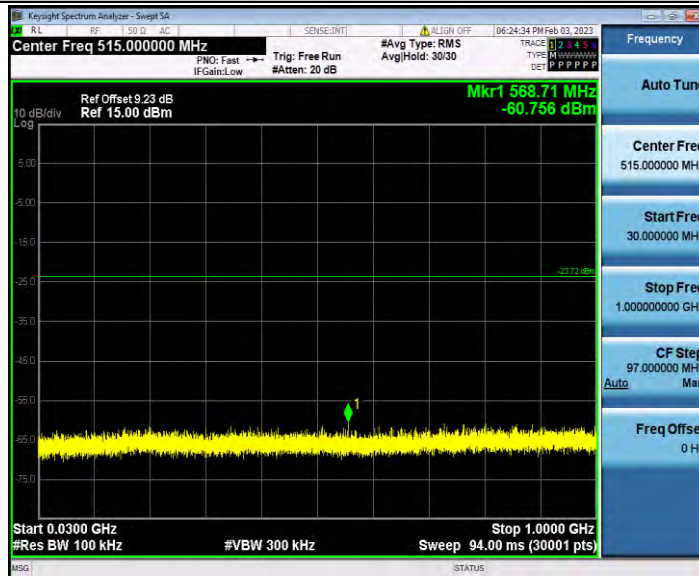
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-3.72	-3.72	---	PASS
			30~1000	-3.72	-60.76	≤-23.72	PASS
			1000~26500	-3.72	-47.66	≤-23.72	PASS
		2437	Reference	-2.14	-2.14	---	PASS
			30~1000	-2.14	-60.56	≤-22.14	PASS
			1000~26500	-2.14	-47.62	≤-22.14	PASS
		2462	Reference	-3.18	-3.18	---	PASS
			30~1000	-3.18	-59.91	≤-23.18	PASS
			1000~26500	-3.18	-47.75	≤-23.18	PASS
11G	Ant1	2412	Reference	-11.04	-11.04	---	PASS
			30~1000	-11.04	-60.43	≤-31.04	PASS
			1000~26500	-11.04	-47.66	≤-31.04	PASS
		2437	Reference	-10.89	-10.89	---	PASS
			30~1000	-10.89	-60.47	≤-30.89	PASS
			1000~26500	-10.89	-47.8	≤-30.89	PASS
		2462	Reference	-6.22	-6.22	---	PASS
			30~1000	-6.22	-59.98	≤-26.22	PASS
			1000~26500	-6.22	-47.74	≤-26.22	PASS
11N20SISO	Ant1	2412	Reference	-13.15	-13.15	---	PASS
			30~1000	-13.15	-59.87	≤-33.15	PASS
			1000~26500	-13.15	-39.3	≤-33.15	PASS
		2437	Reference	-11.56	-11.56	---	PASS
			30~1000	-11.56	-60.04	≤-31.56	PASS
			1000~26500	-11.56	-47.96	≤-31.56	PASS
		2462	Reference	-11.29	-11.29	---	PASS
			30~1000	-11.29	-59.53	≤-31.29	PASS
			1000~26500	-11.29	-47.48	≤-31.29	PASS
11N40SISO	Ant1	2422	Reference	-12.19	-12.19	---	PASS
			30~1000	-12.19	-60.78	≤-32.19	PASS
			1000~26500	-12.19	-47.38	≤-32.19	PASS
		2437	Reference	-13.84	-13.84	---	PASS
			30~1000	-13.84	-60.01	≤-33.84	PASS
			1000~26500	-13.84	-47.35	≤-33.84	PASS
		2452	Reference	-11.46	-11.46	---	PASS
			30~1000	-11.46	-60.78	≤-31.46	PASS
			1000~26500	-11.46	-46.96	≤-31.46	PASS

Test Graphs

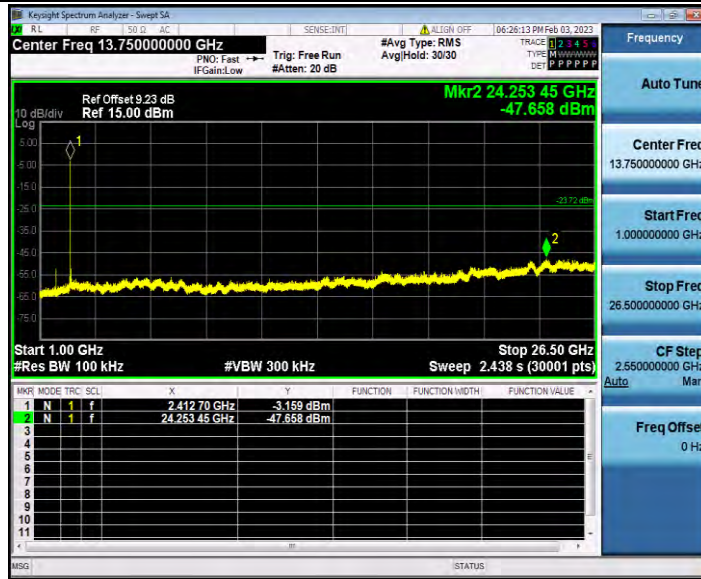
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



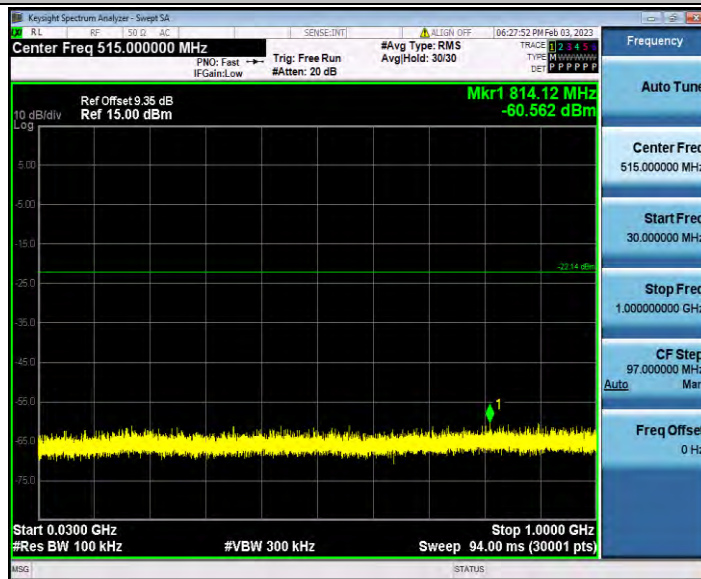
11B_Ant1_2412_1000~26500



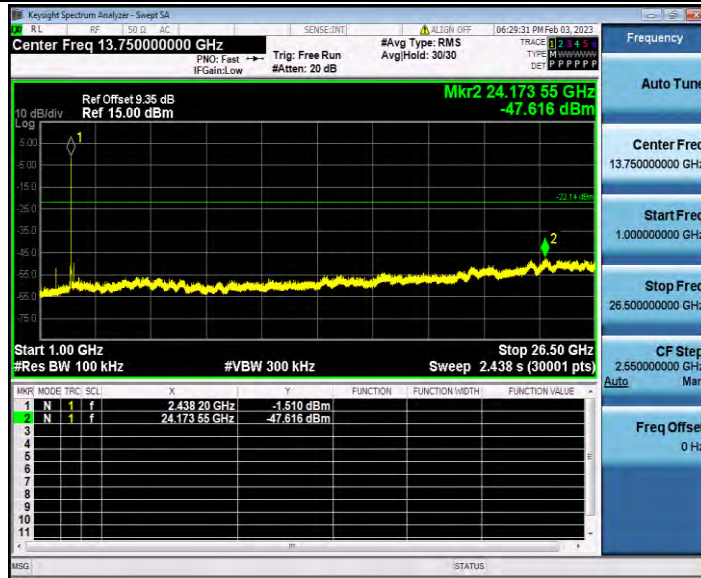
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



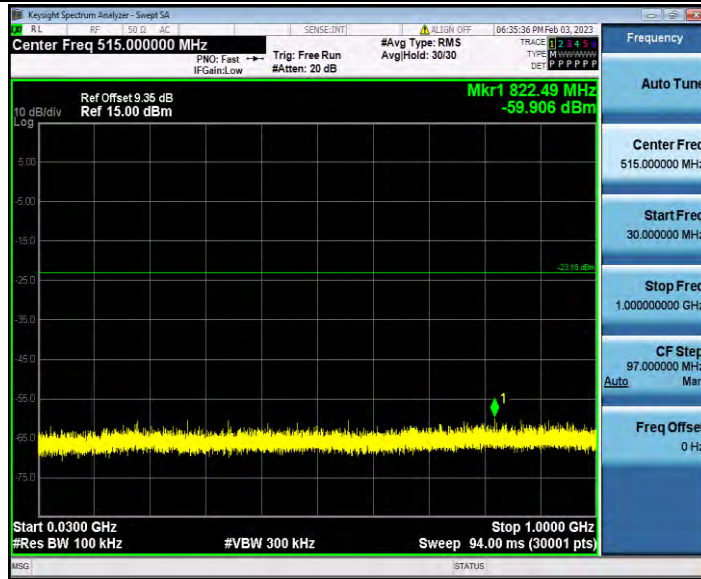
11B_Ant1_2437_1000~26500



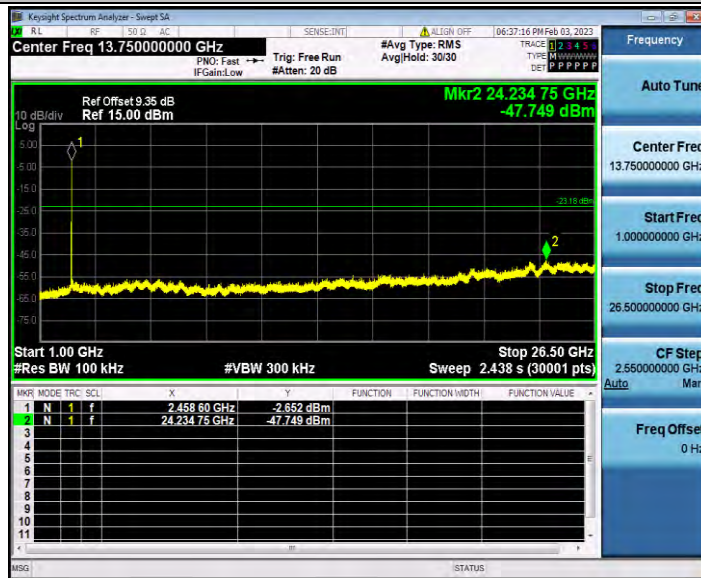
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



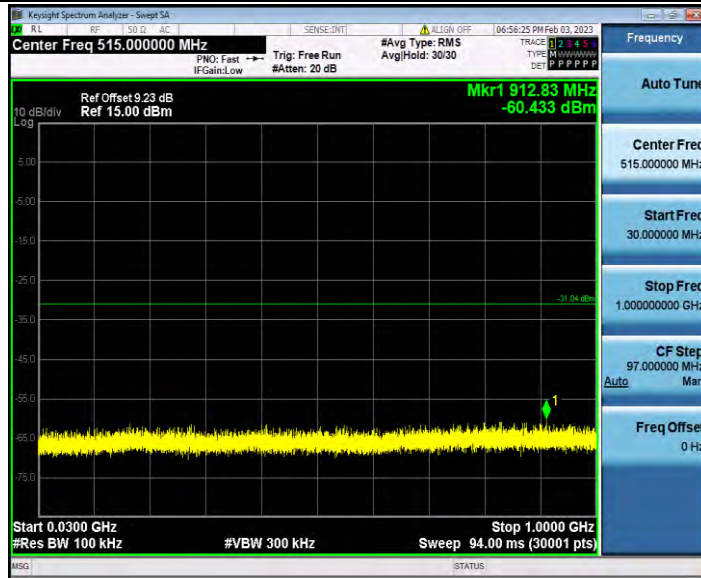
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



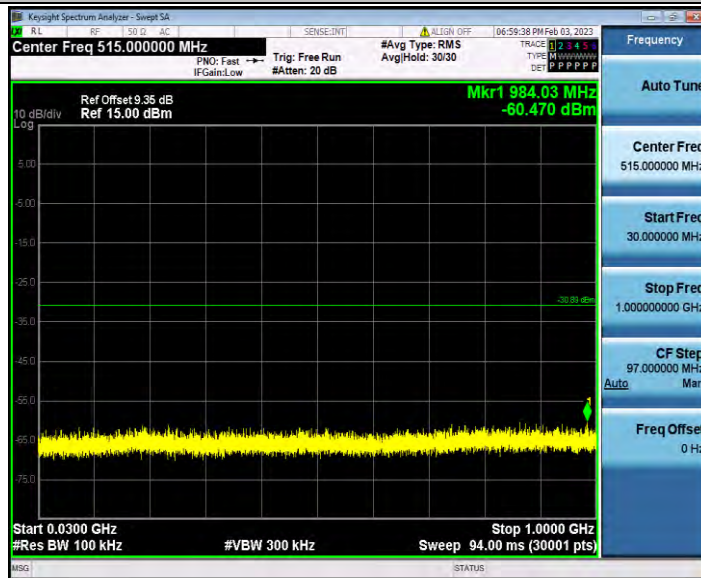
11G_Ant1_2412_1000~26500



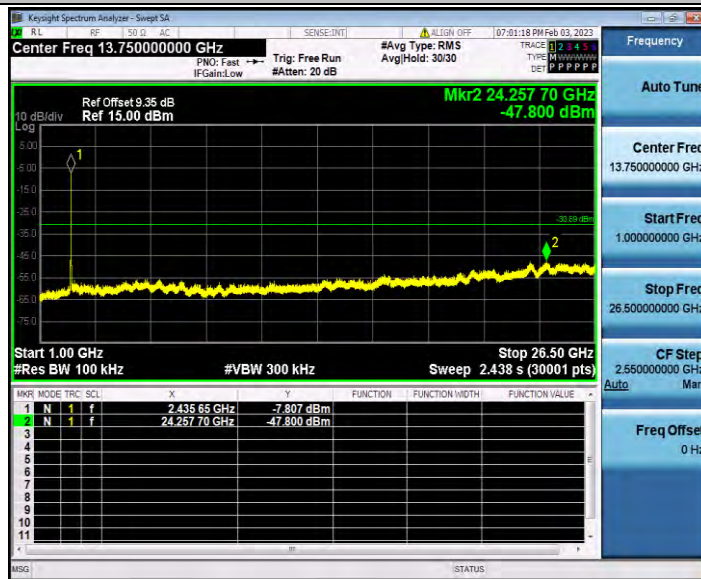
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



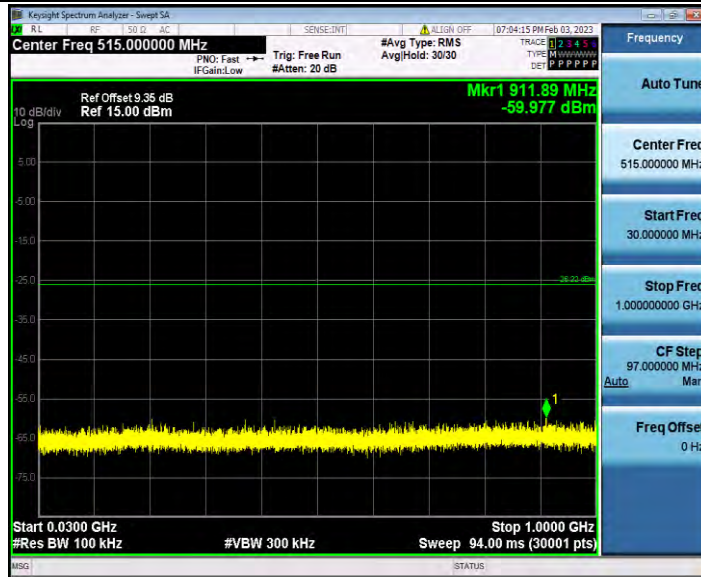
11G_Ant1_2437_1000~26500



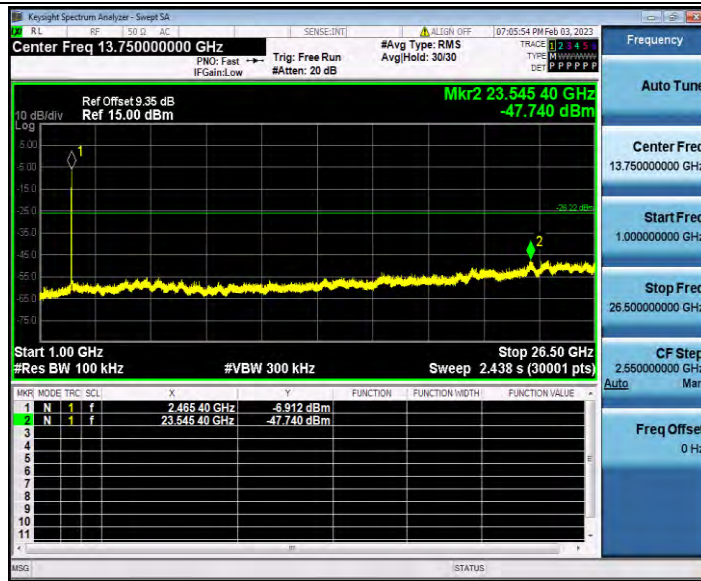
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



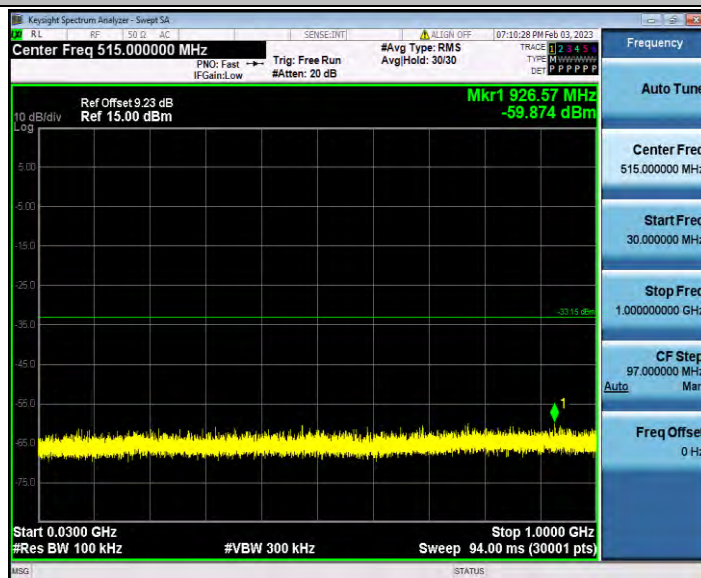
11G_Ant1_2462_1000~26500



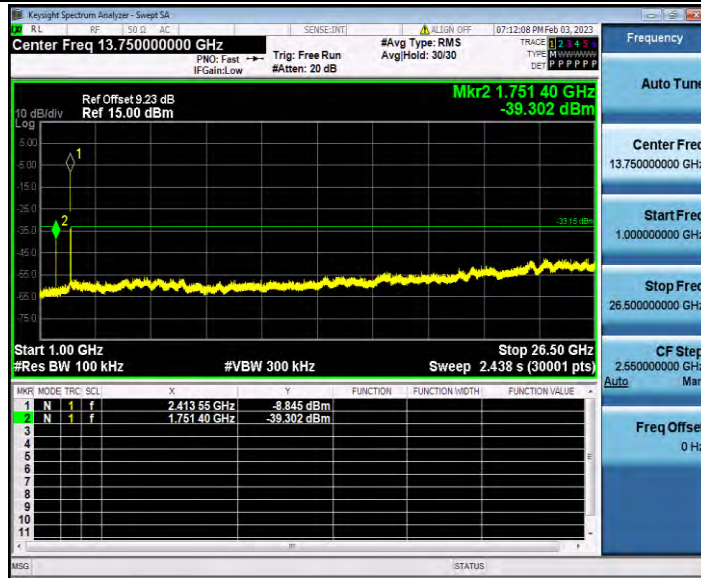
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



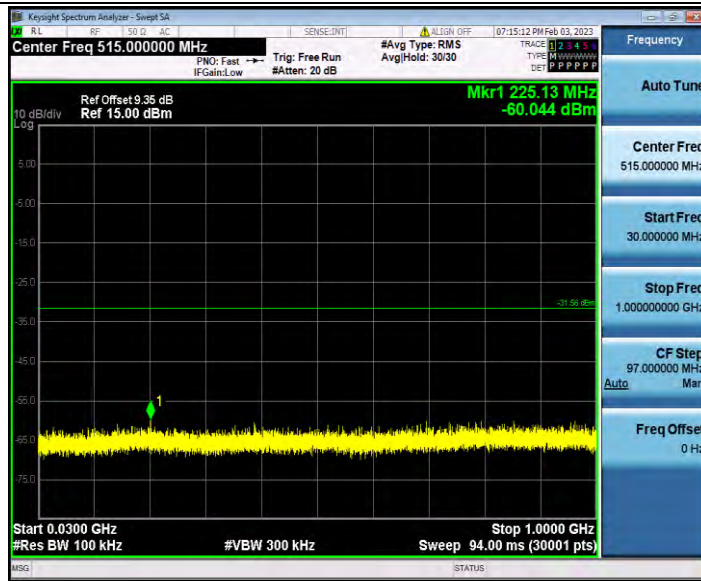
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



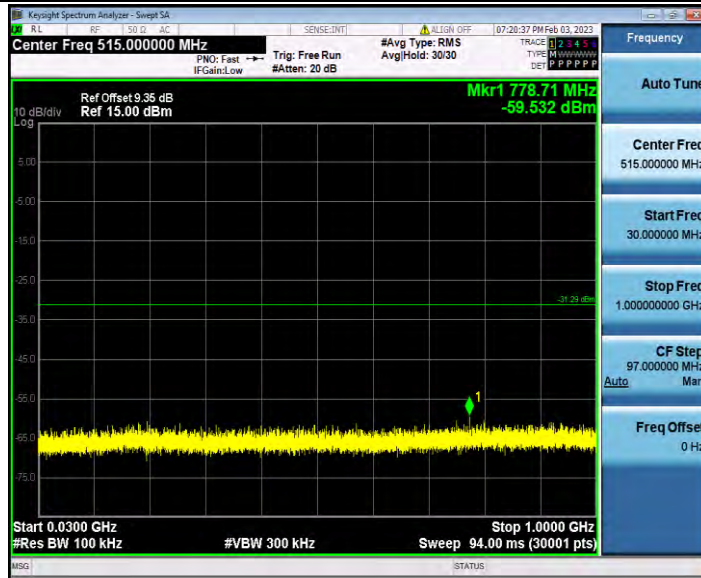
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



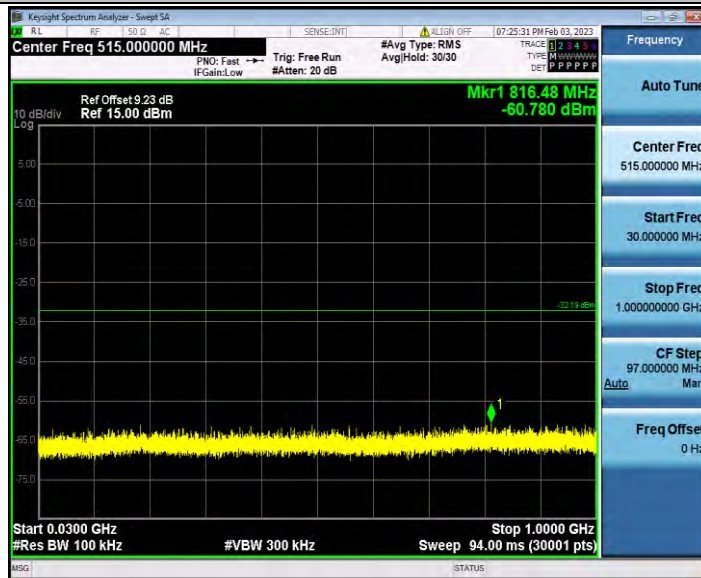
11N20SISO_Ant1_2462_1000~26500



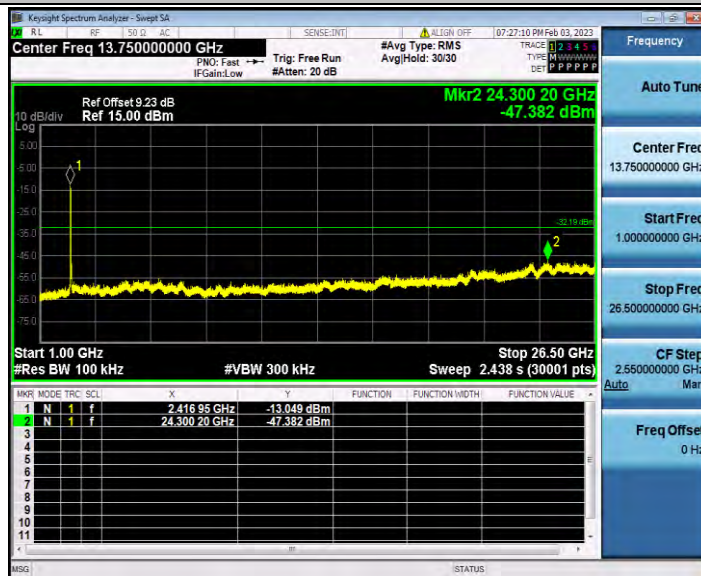
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



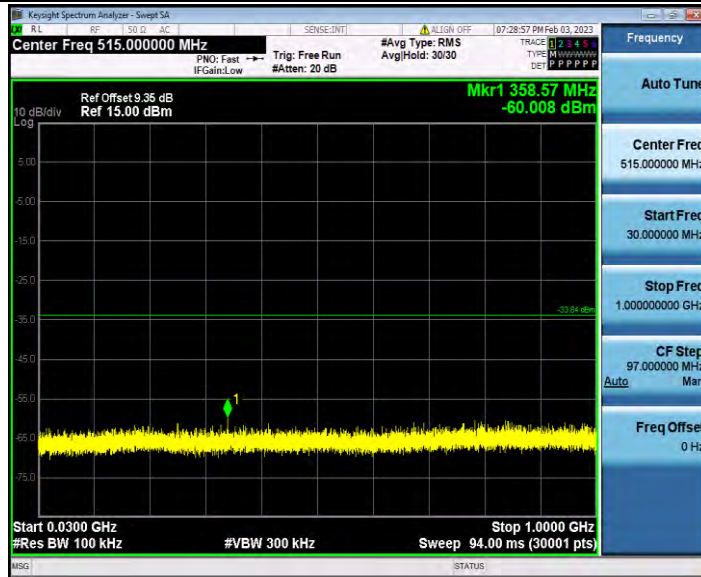
11N40SISO_Ant1_2422_1000~26500



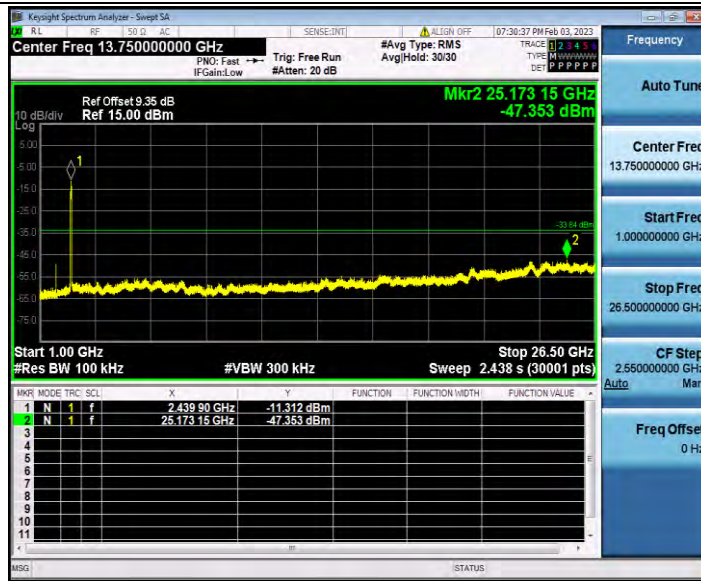
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000

