

Case No. : <u>GTS20230224006-1-3</u>
Ambient Condition: <u>25</u> °C, <u>52</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.3.16</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	9.120	2407.400	2416.520	0.5	PASS
		2437	9.800	2432.200	2442.000	0.5	PASS
		2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.880	2429.240	2445.120	0.5	PASS
		2462	13.520	2454.480	2468.000	0.5	PASS
11N20SISO	Ant1	2412	13.880	2405.680	2419.560	0.5	PASS
		2437	15.800	2429.560	2445.360	0.5	PASS
		2462	14.080	2455.360	2469.440	0.5	PASS
11N40SISO	Ant1	2422	33.840	2405.680	2439.520	0.5	PASS
		2437	35.280	2419.480	2454.760	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



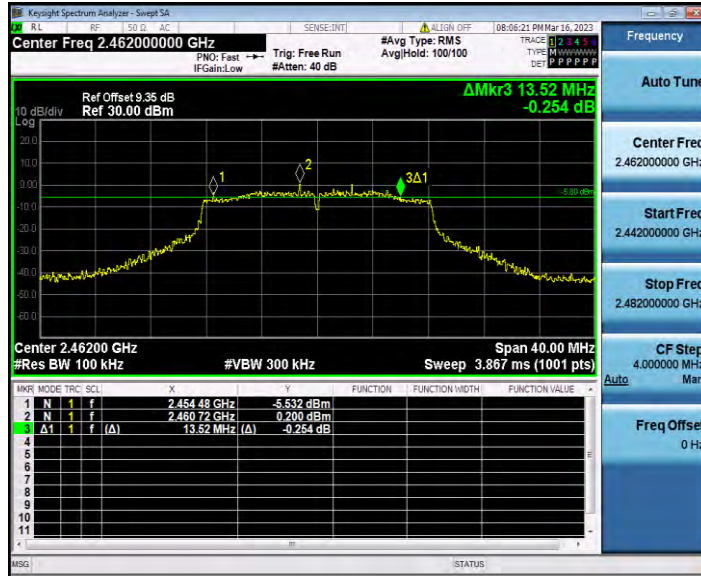
11G_Ant1_2412



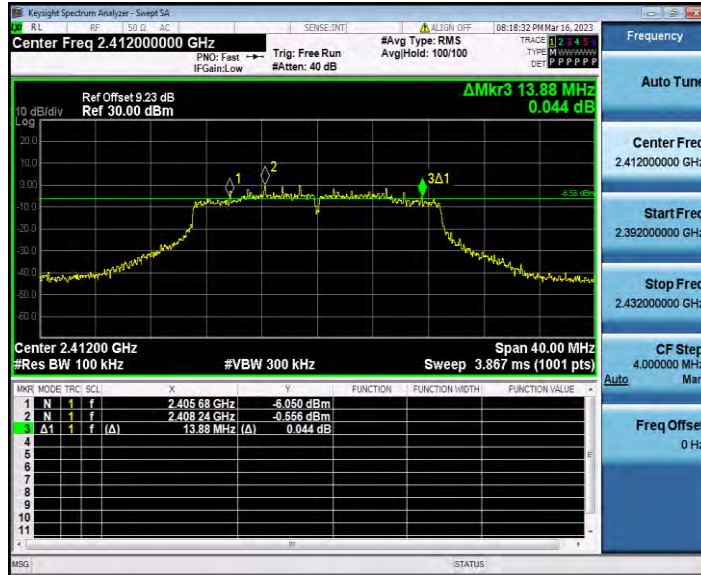
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



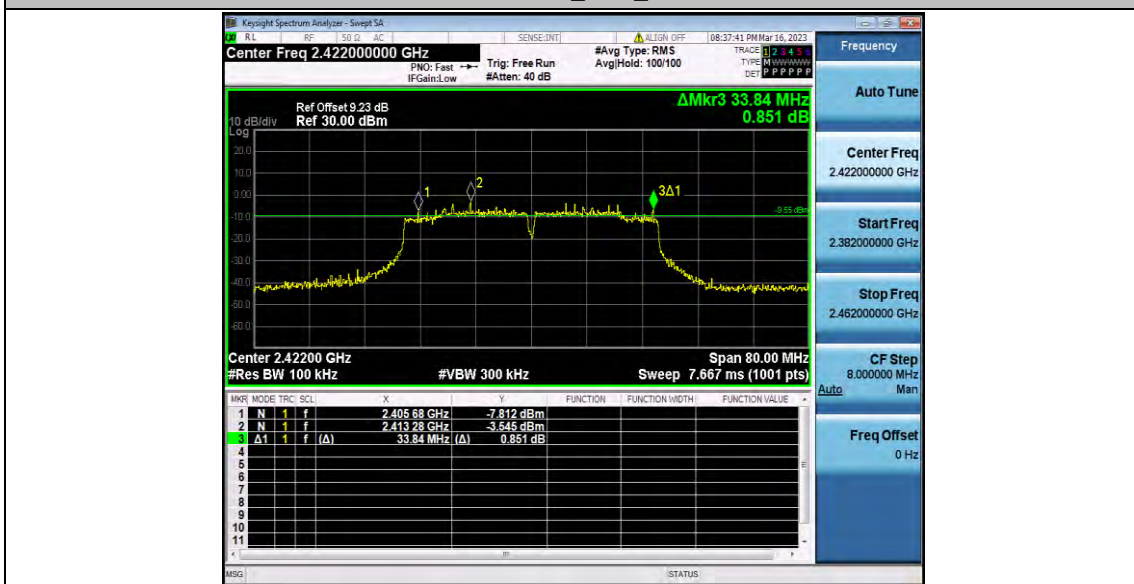
11N20SISO_Ant1_2437



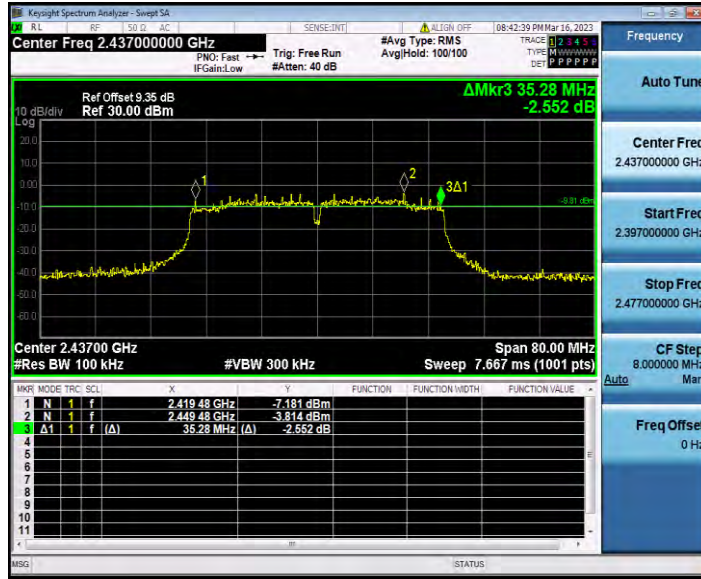
11N20SISO_Ant1_2462



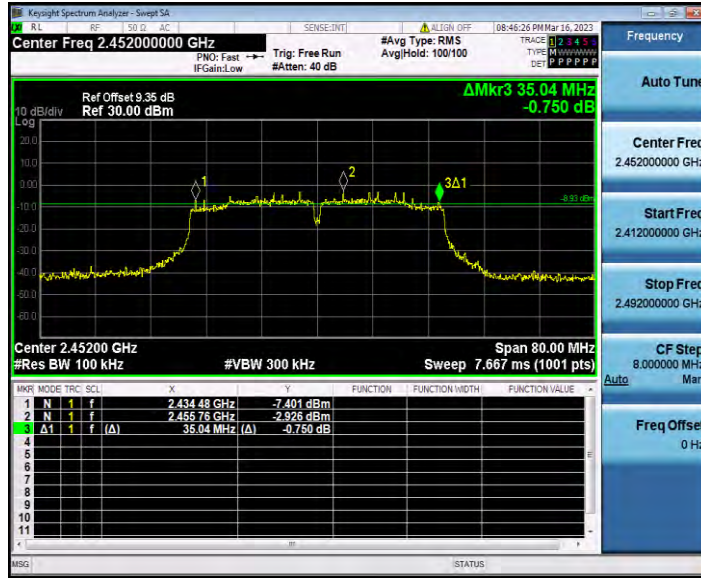
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

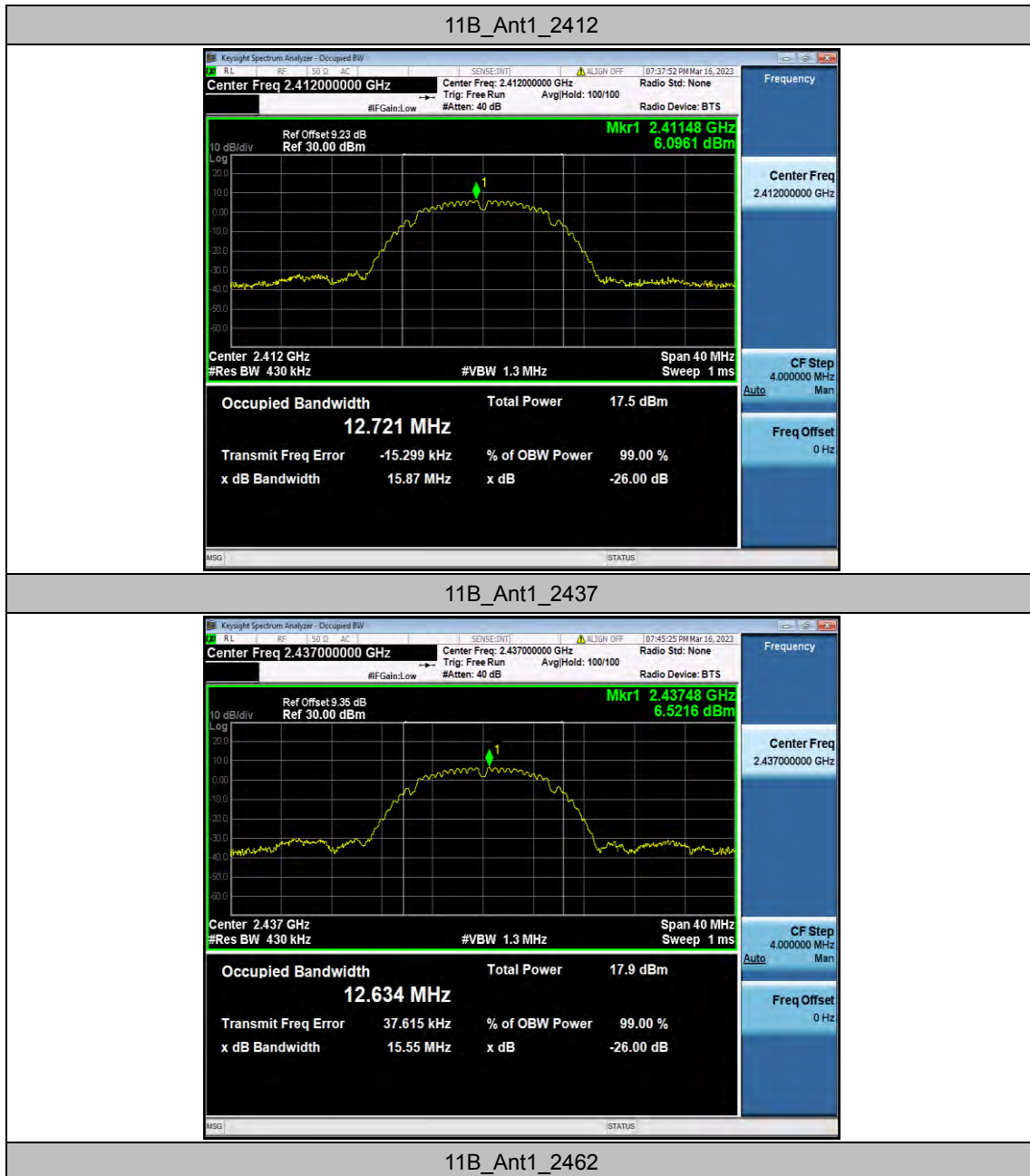


Appendix C.2: Occupied Channel Bandwidth

Test Result

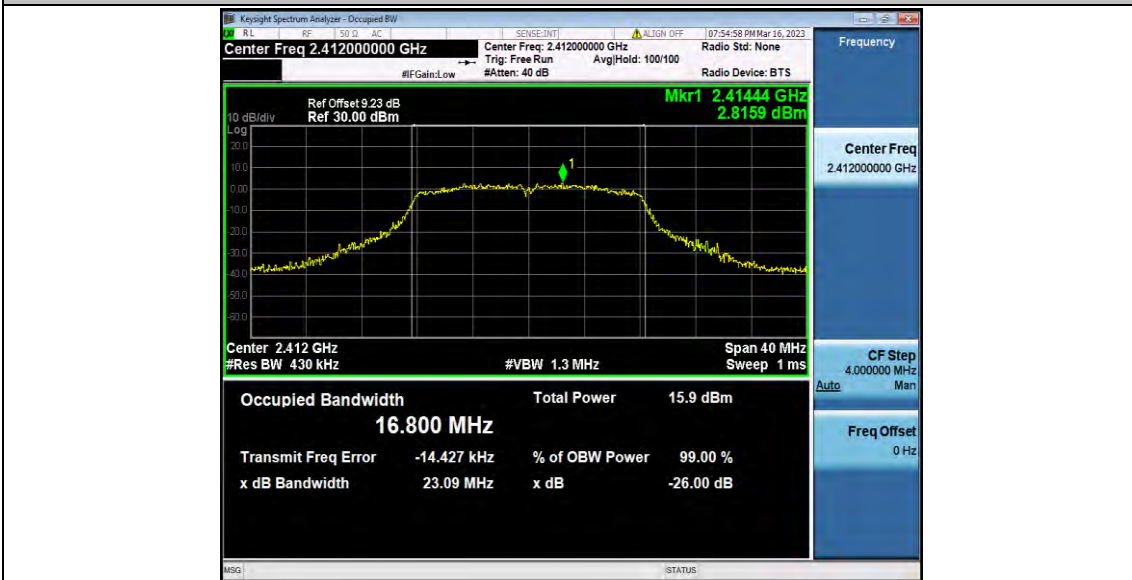
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.721	2405.624	2418.345	---	---
		2437	12.634	2430.721	2443.355	---	---
		2462	12.629	2455.682	2468.311	---	---
11G	Ant1	2412	16.800	2403.586	2420.386	---	---
		2437	16.740	2428.640	2445.380	---	---
		2462	16.763	2453.633	2470.396	---	---
11N20SISO	Ant1	2412	17.946	2403.001	2420.947	---	---
		2437	17.900	2428.057	2445.957	---	---
		2462	17.906	2453.031	2470.937	---	---
11N40SISO	Ant1	2422	36.138	2403.954	2440.092	---	---
		2437	36.246	2418.902	2455.148	---	---
		2452	36.138	2433.977	2470.115	---	---

Test Graphs





11G_Ant1_2412



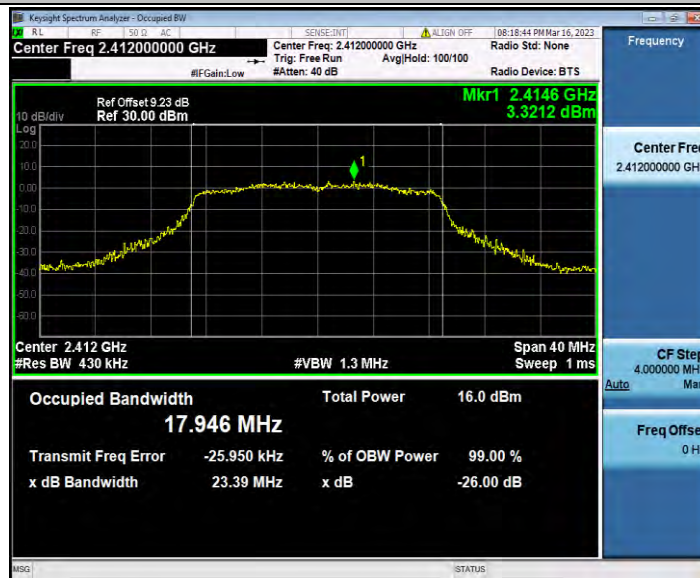
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



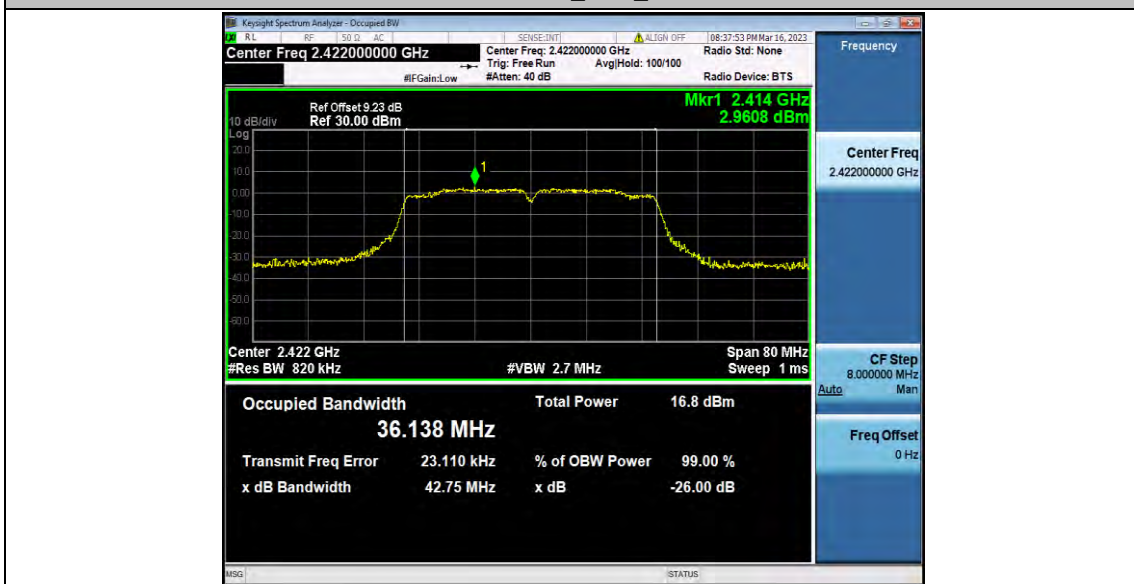
11N20SISO_Ant1_2437



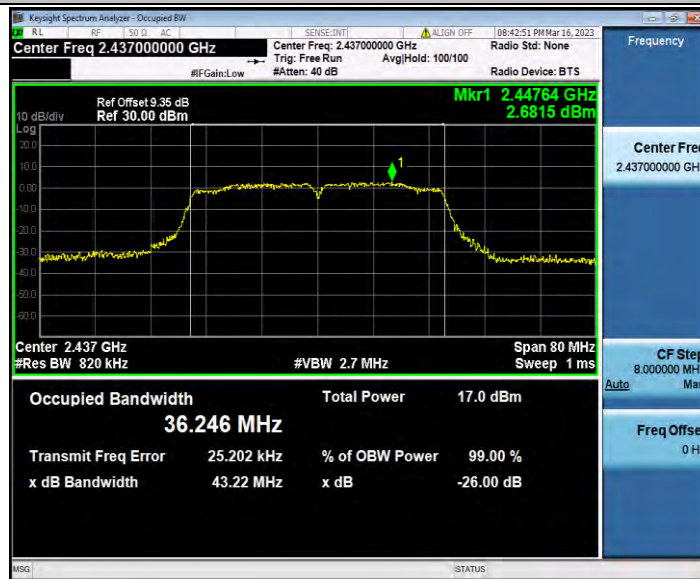
11N20SISO_Ant1_2462



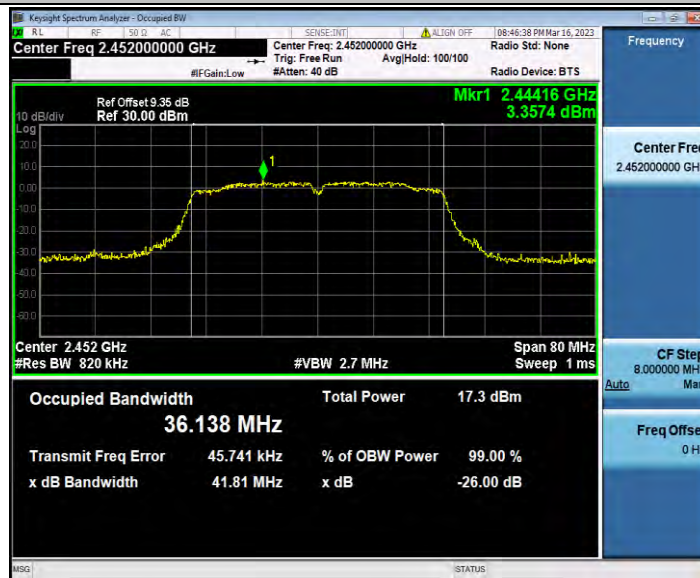
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	17.57	≤30.00	PASS
		2437	17.96	≤30.00	PASS
		2462	18.45	≤30.00	PASS
11G	Ant1	2412	17.04	≤30.00	PASS
		2437	17.44	≤30.00	PASS
		2462	17.89	≤30.00	PASS
11N20SISO	Ant1	2412	17.21	≤30.00	PASS
		2437	17.48	≤30.00	PASS
		2462	17.90	≤30.00	PASS
11N40SISO	Ant1	2422	17.11	≤30.00	PASS
		2437	17.33	≤30.00	PASS
		2452	17.64	≤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	-10.01	≤8.00	PASS
		2437	-9.41	≤8.00	PASS
		2462	-8.71	≤8.00	PASS
11G	Ant1	2412	-14.15	≤8.00	PASS
		2437	-15.72	≤8.00	PASS
		2462	-13.7	≤8.00	PASS
11N20SISO	Ant1	2412	-15.58	≤8.00	PASS
		2437	-15.21	≤8.00	PASS
		2462	-14.43	≤8.00	PASS
11N40SISO	Ant1	2422	-18.32	≤8.00	PASS
		2437	-17.17	≤8.00	PASS
		2452	-16.38	≤8.00	PASS

Test Graphs

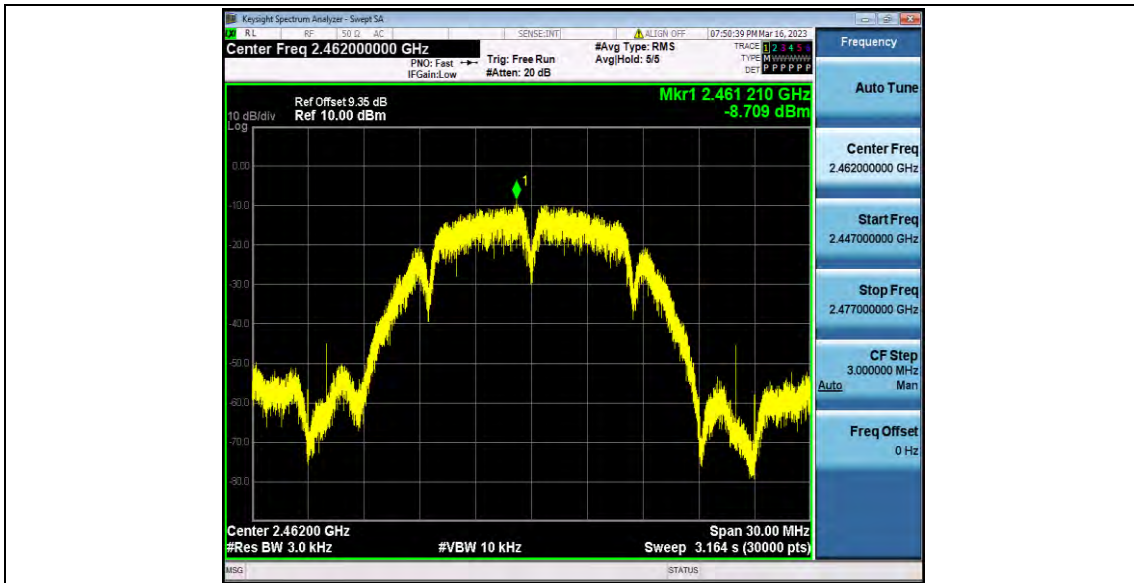
11B_Ant1_2412



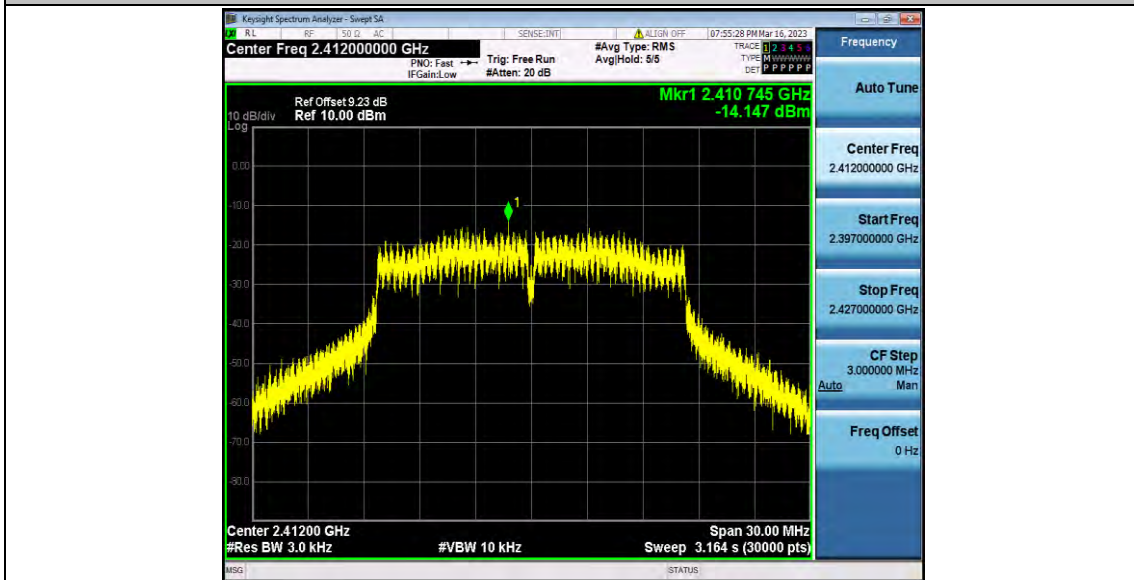
11B_Ant1_2437



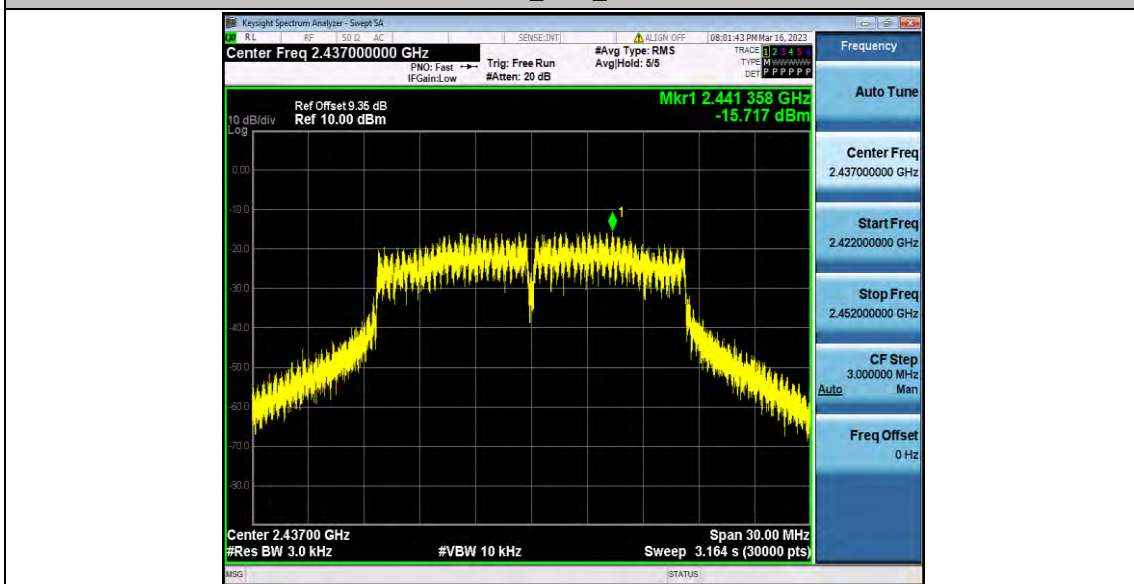
11B_Ant1_2462



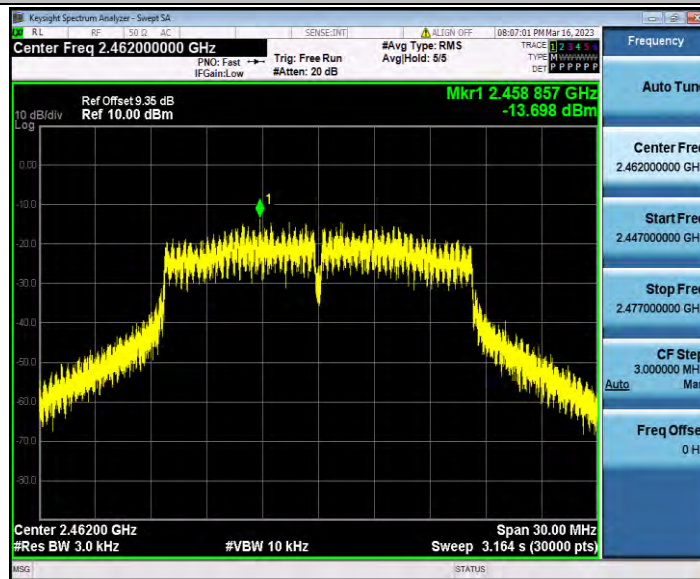
11G_Ant1_2412



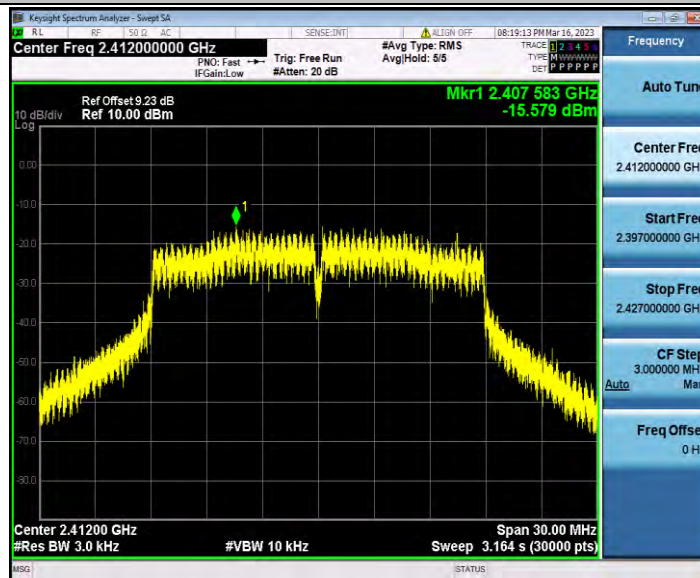
11G_Ant1_2437



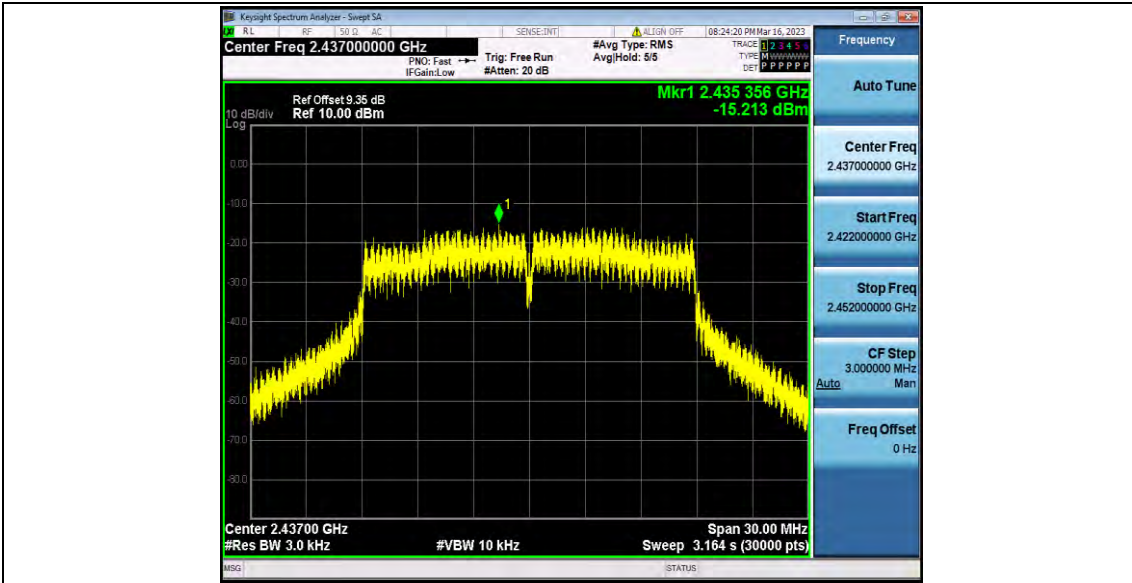
11G_Ant1_2462



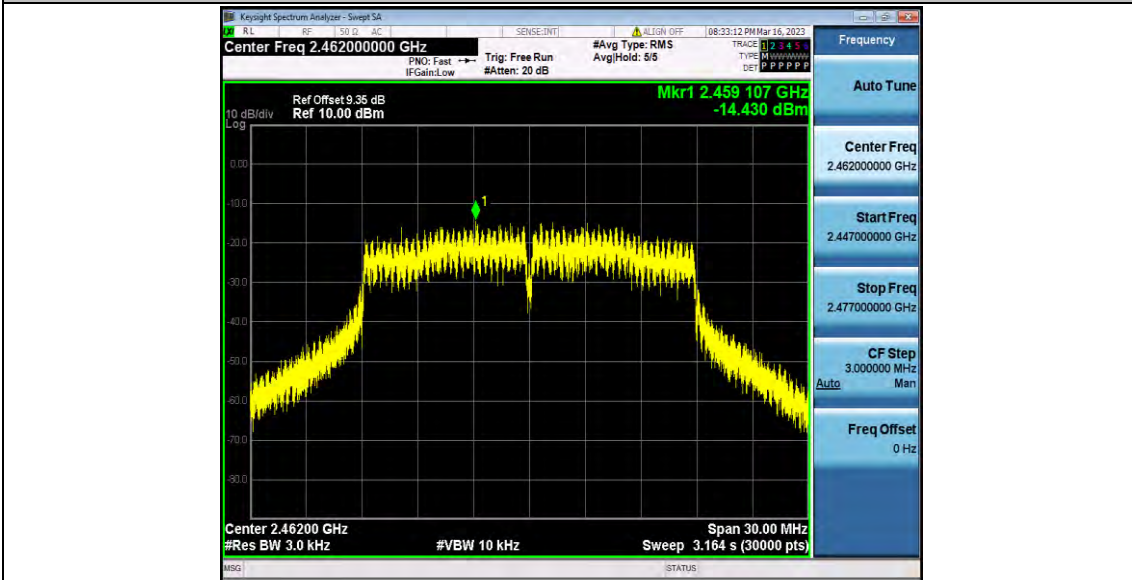
11N20SISO_Ant1_2412



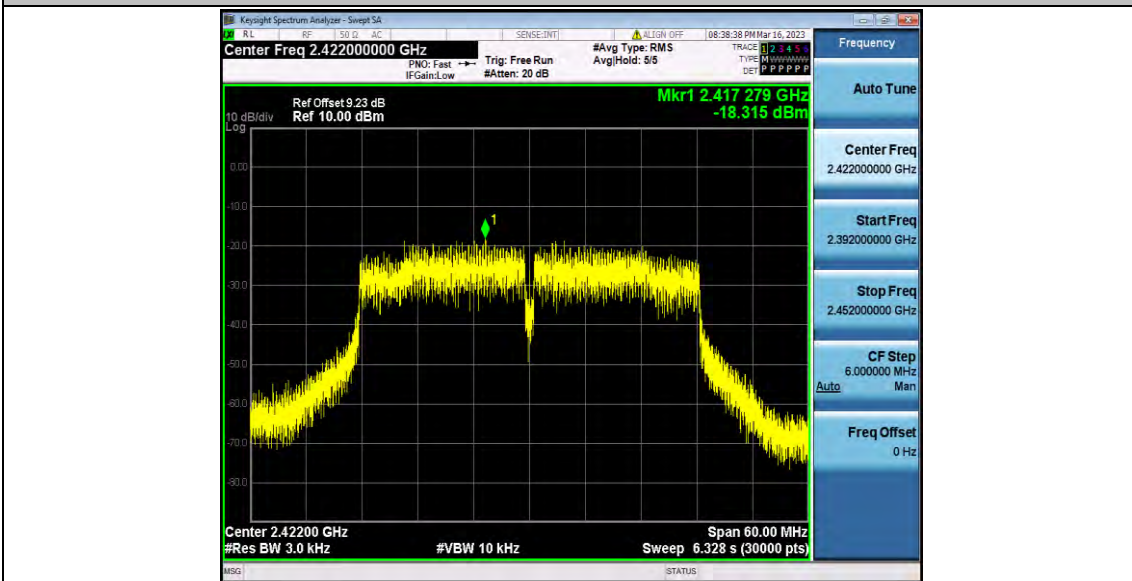
11N20SISO_Ant1_2437



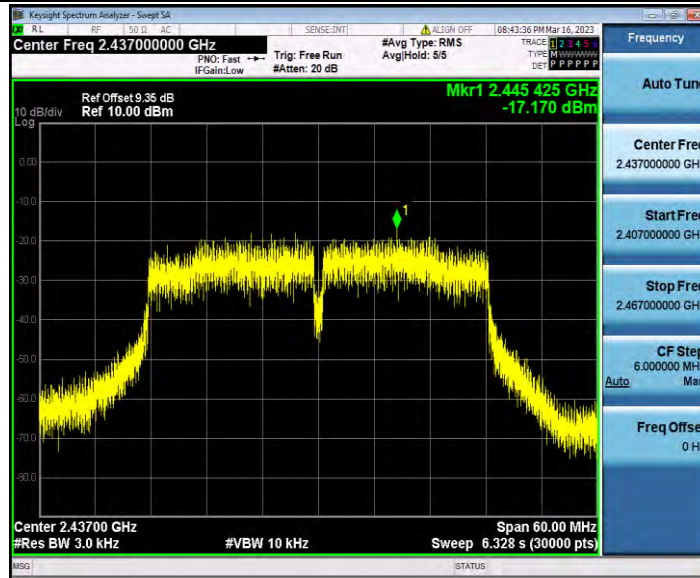
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



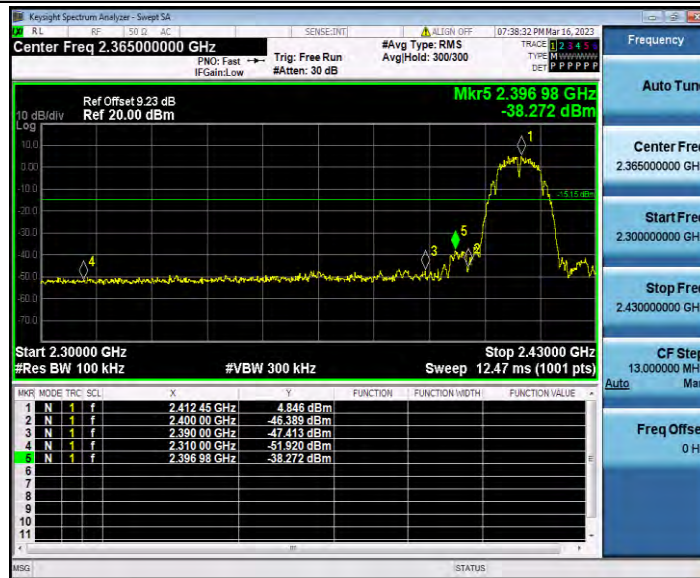
Appendix C.5: Band edge measurements

Test Result

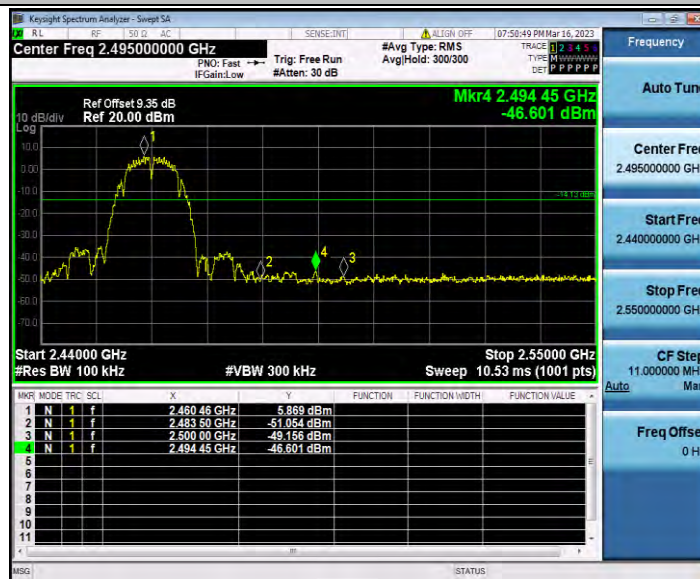
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.85	-38.27	≤-15.15	PASS
		High	2462	5.87	-46.6	≤-14.13	PASS
11G	Ant1	Low	2412	-0.97	-30.94	≤-20.97	PASS
		High	2462	0.17	-47.98	≤-19.83	PASS
11N20SISO	Ant1	Low	2412	-0.20	-31.38	≤-20.2	PASS
		High	2462	0.84	-48	≤-19.17	PASS
11N40SISO	Ant1	Low	2422	-3.50	-34.54	≤-23.5	PASS
		High	2452	-2.68	-42.1	≤-22.68	PASS

Test Graphs

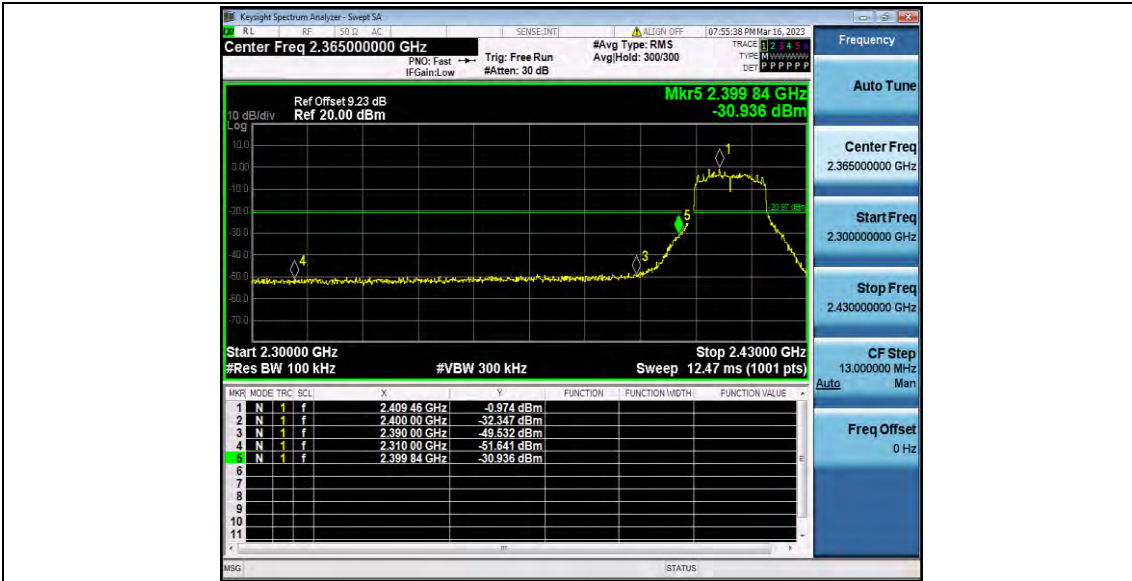
11B_Ant1_Low_2412



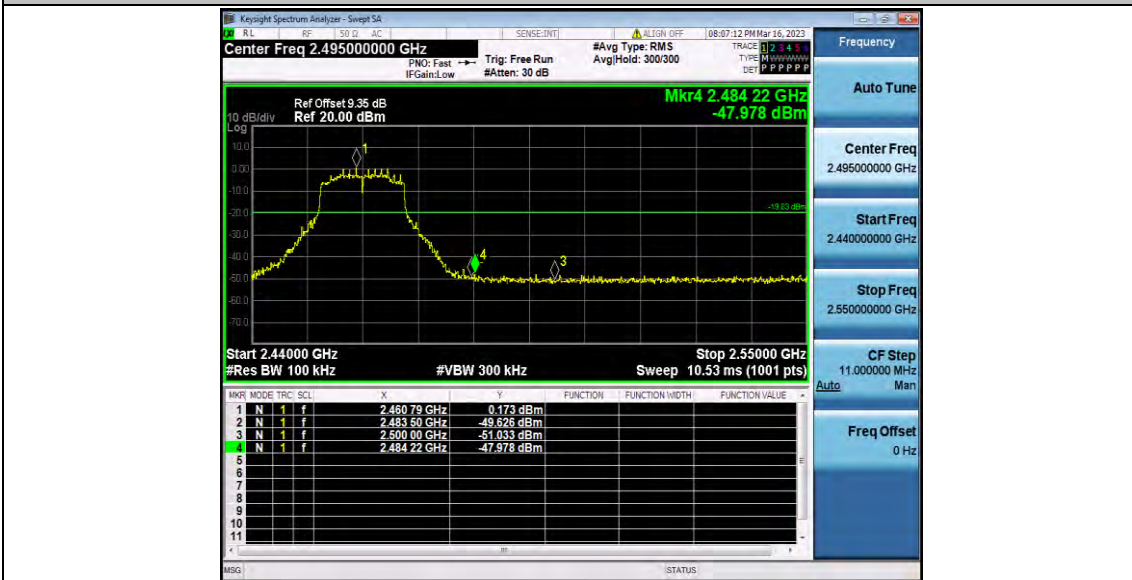
11B_Ant1_High_2462



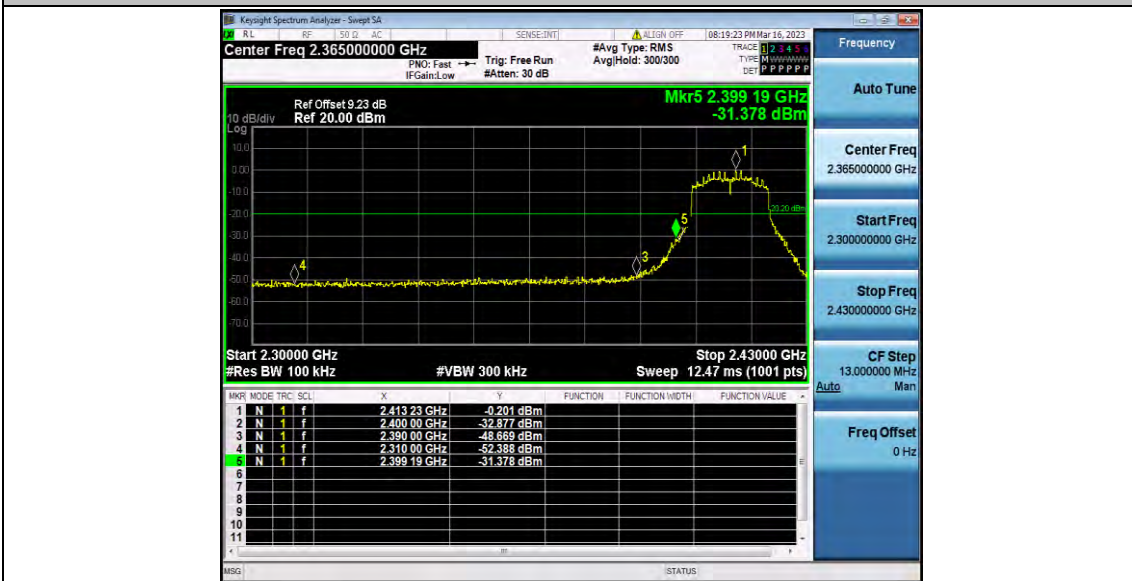
11G_Ant1_Low_2412



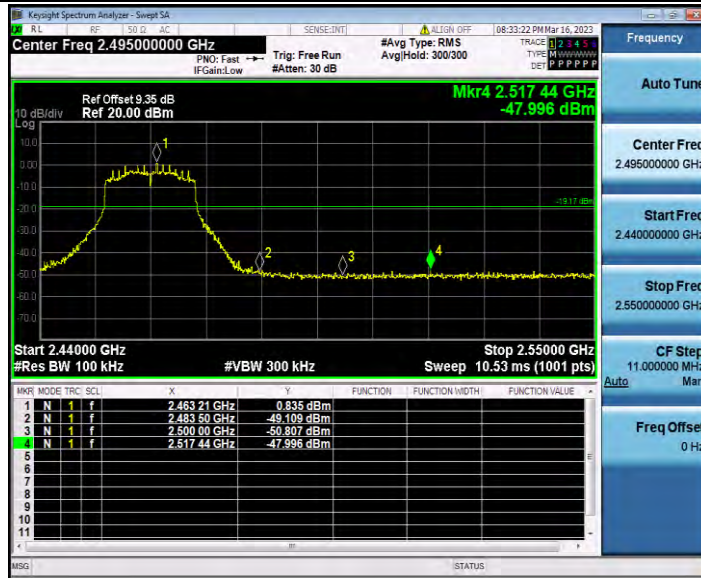
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

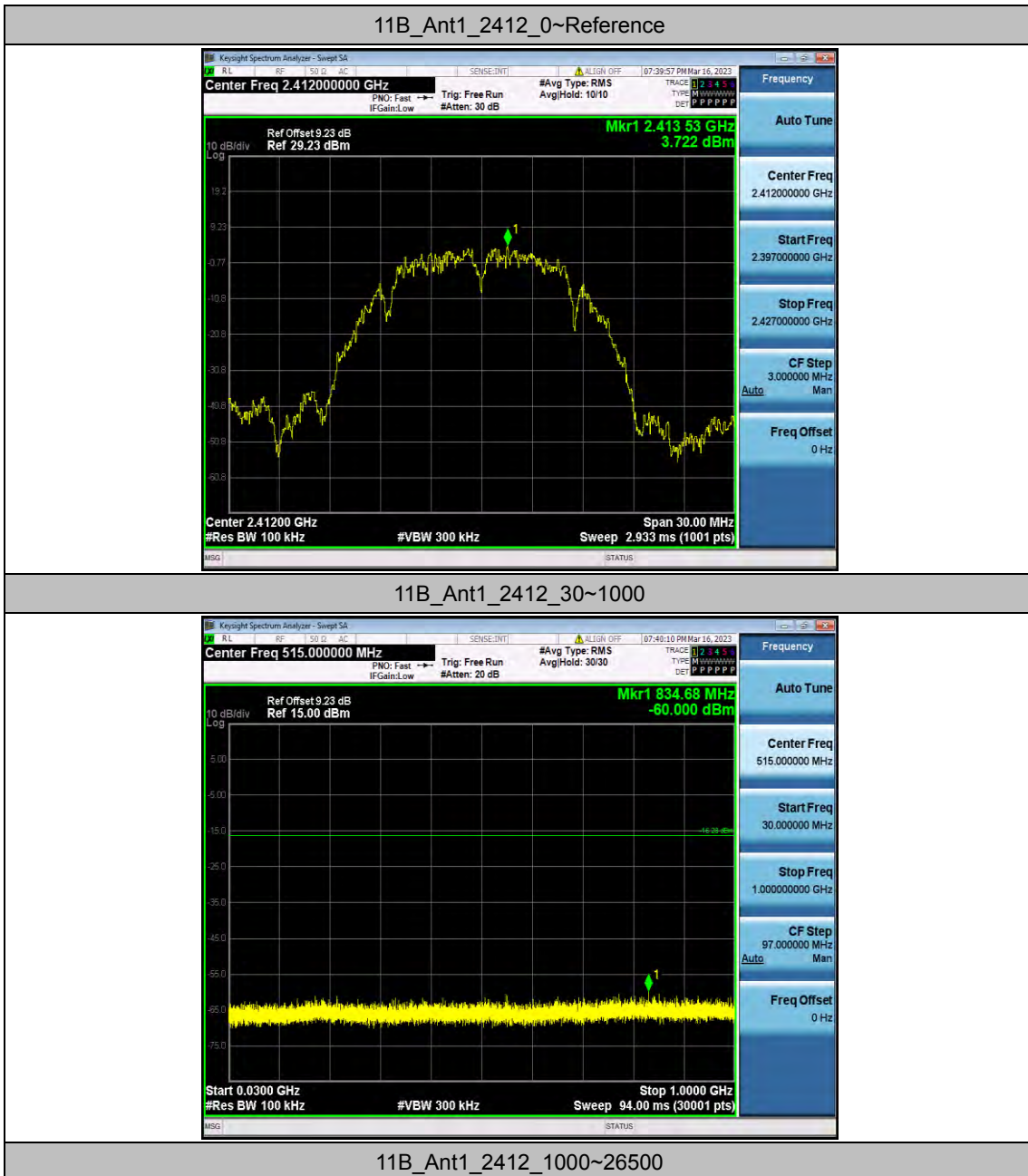


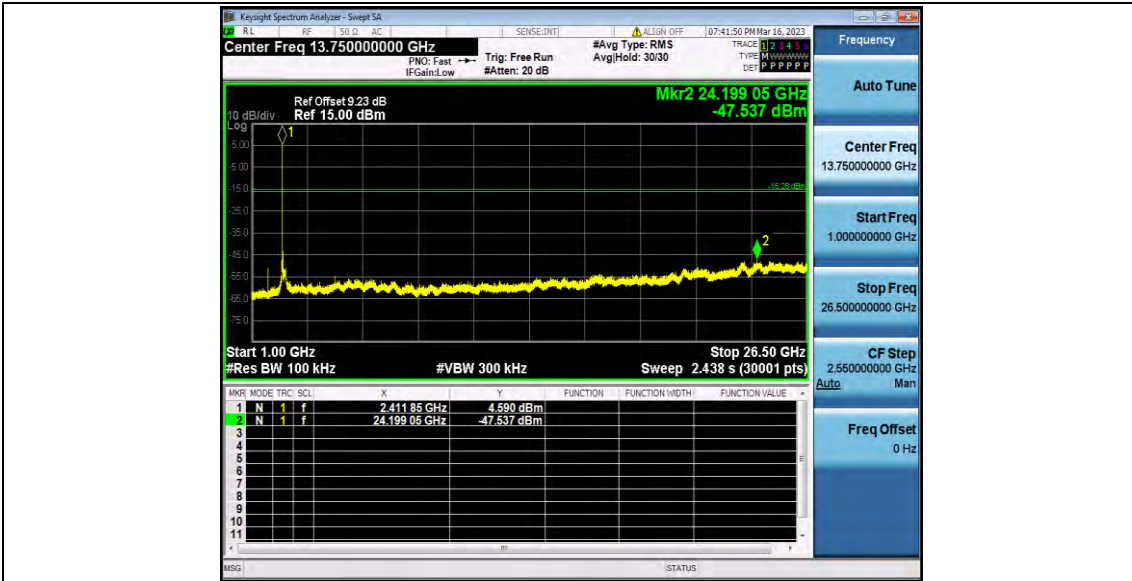
Appendix C.6: Conducted Spurious Emission

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	≤ -16.28	PASS
			1000~26500	3.72	-47.54	≤ -16.28	PASS
		2437	Reference	4.52	4.52	---	PASS
			30~1000	4.52	-60.19	≤ -15.48	PASS
			1000~26500	4.52	-47.6	≤ -15.48	PASS
		2462	Reference	5.40	5.40	---	PASS
			30~1000	5.40	-59.92	≤ -14.6	PASS
			1000~26500	5.40	-47.11	≤ -14.6	PASS
11G	Ant1	2412	Reference	-4.04	-4.04	---	PASS
			30~1000	-4.04	-60.6	≤ -24.04	PASS
			1000~26500	-4.04	-47.24	≤ -24.04	PASS
		2437	Reference	-0.81	-0.81	---	PASS
			30~1000	-0.81	-57.31	≤ -20.81	PASS
			1000~26500	-0.81	-46.82	≤ -20.81	PASS
		2462	Reference	-0.32	-0.32	---	PASS
			30~1000	-0.32	-60.61	≤ -20.32	PASS
			1000~26500	-0.32	-47.84	≤ -20.32	PASS
11N20SISO	Ant1	2412	Reference	-0.46	-0.46	---	PASS
			30~1000	-0.46	-59.85	≤ -20.46	PASS
			1000~26500	-0.46	-47.63	≤ -20.46	PASS
		2437	Reference	-3.89	-3.89	---	PASS
			30~1000	-3.89	-60.3	≤ -23.89	PASS
			1000~26500	-3.89	-47.4	≤ -23.89	PASS
		2462	Reference	-2.46	-2.46	---	PASS
			30~1000	-2.46	-60.1	≤ -22.46	PASS
			1000~26500	-2.46	-46.8	≤ -22.46	PASS
11N40SISO	Ant1	2422	Reference	-4.61	-4.61	---	PASS
			30~1000	-4.61	-60.61	≤ -24.61	PASS
			1000~26500	-4.61	-47.82	≤ -24.61	PASS
		2437	Reference	-3.60	-3.60	---	PASS
			30~1000	-3.60	-59.99	≤ -23.6	PASS
			1000~26500	-3.60	-46.95	≤ -23.6	PASS
		2452	Reference	-4.03	-4.03	---	PASS
			30~1000	-4.03	-59.98	≤ -24.03	PASS
			1000~26500	-4.03	-46.96	≤ -24.03	PASS

Test Graphs

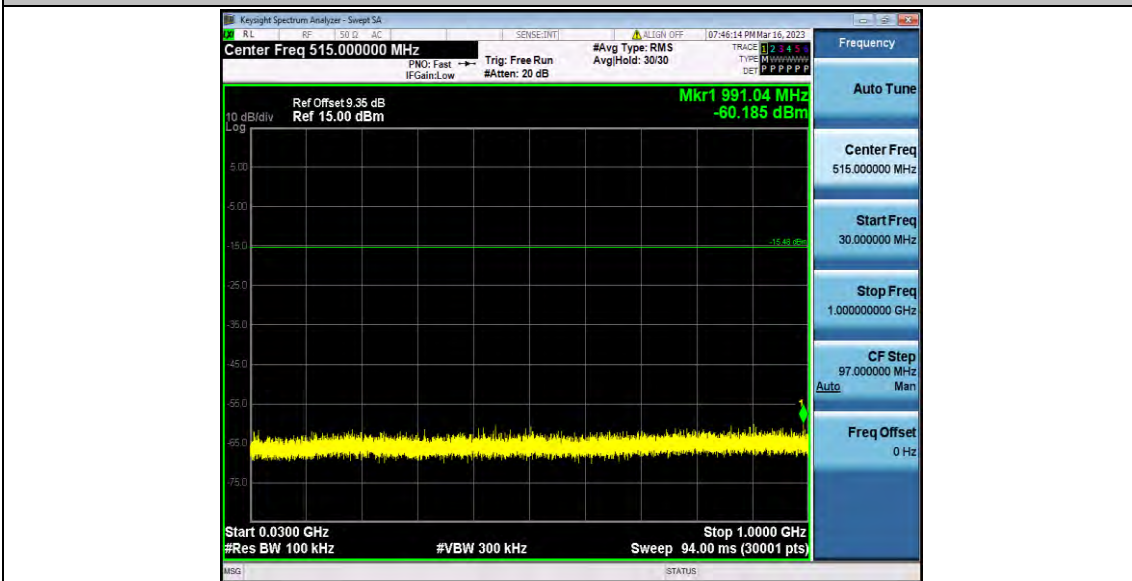




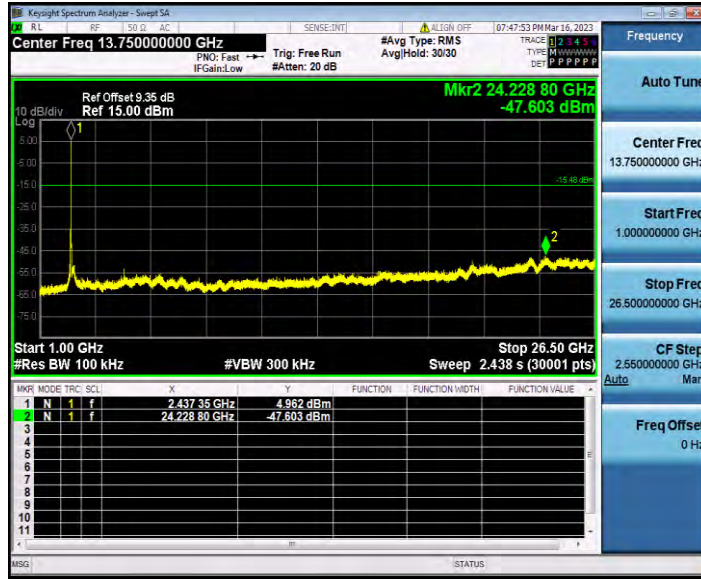
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



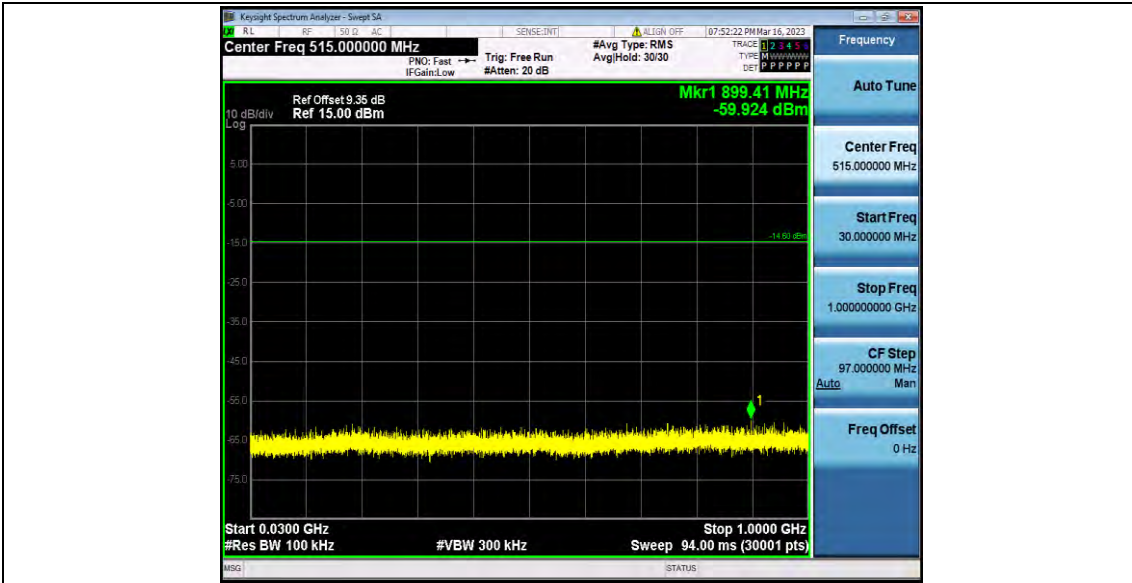
11B_Ant1_2437_1000~26500



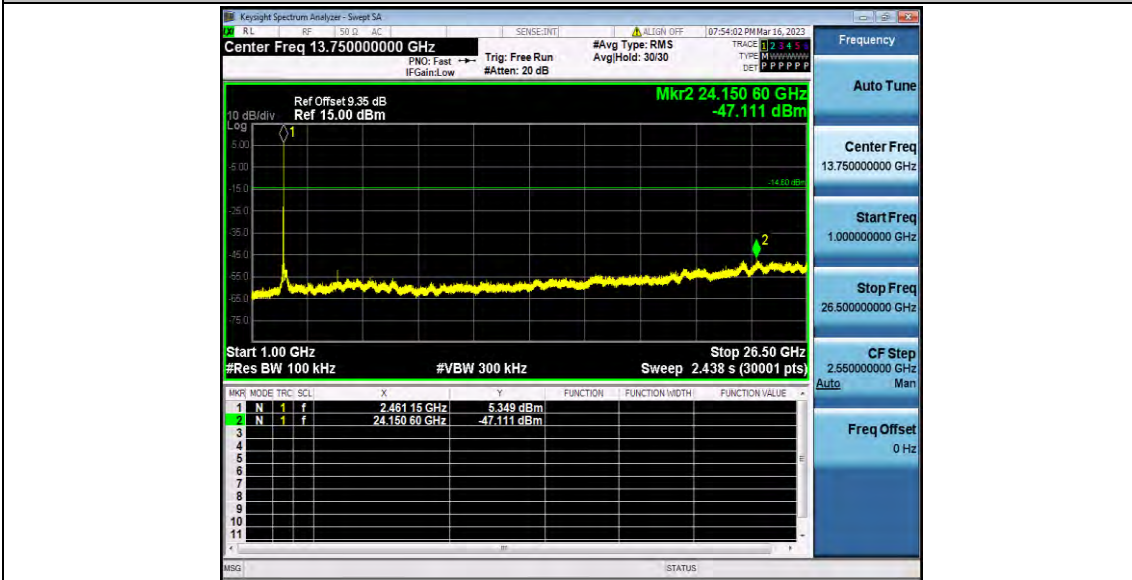
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



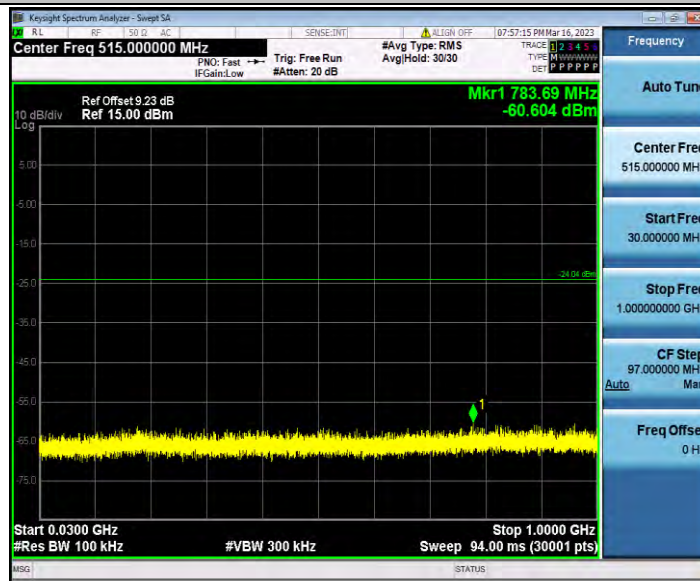
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



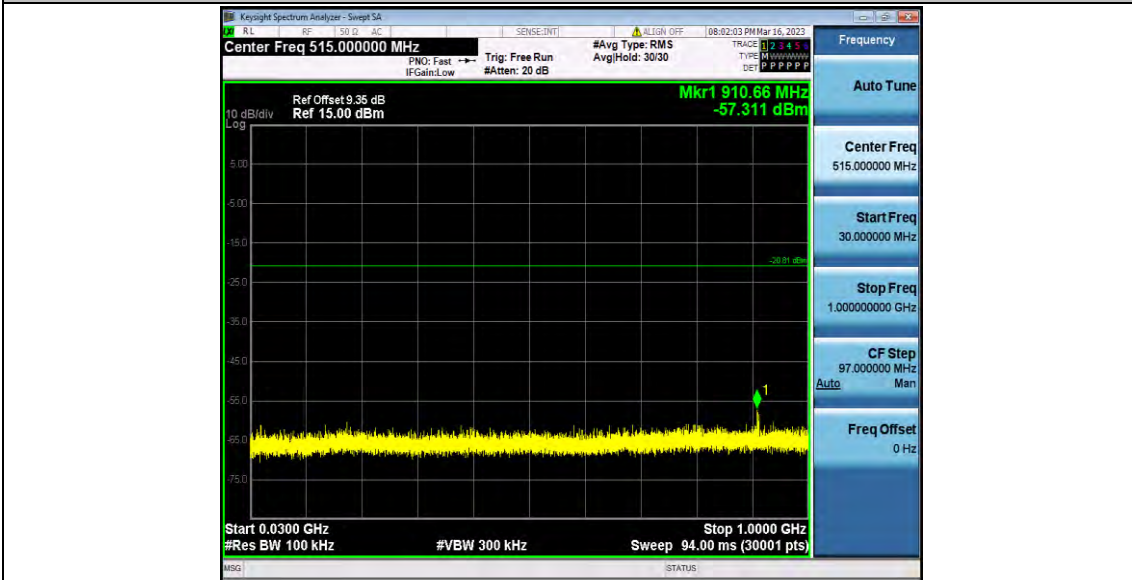
11G_Ant1_2412_1000~26500



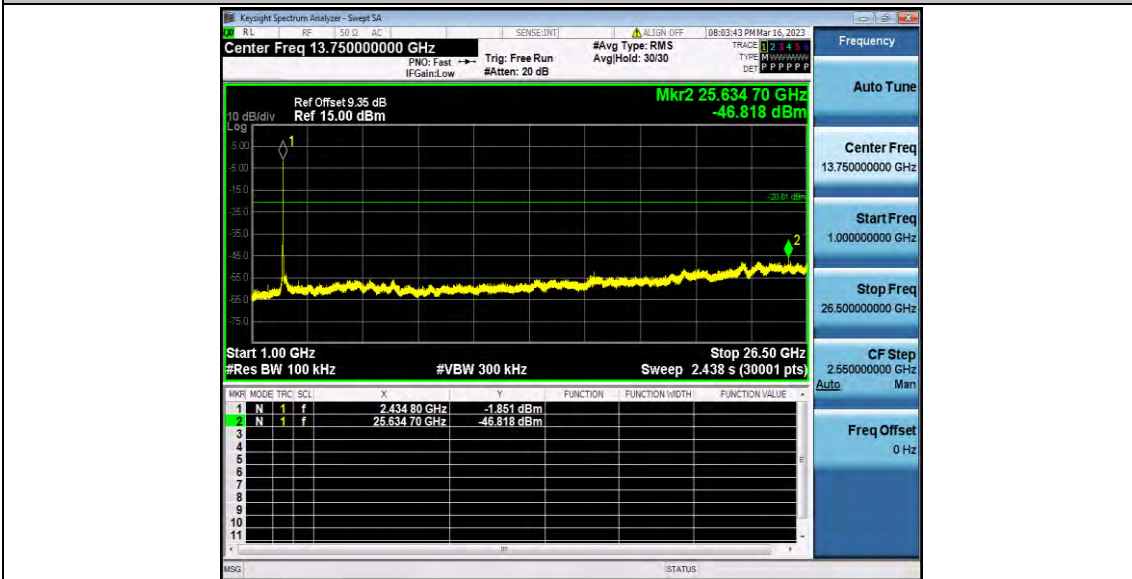
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



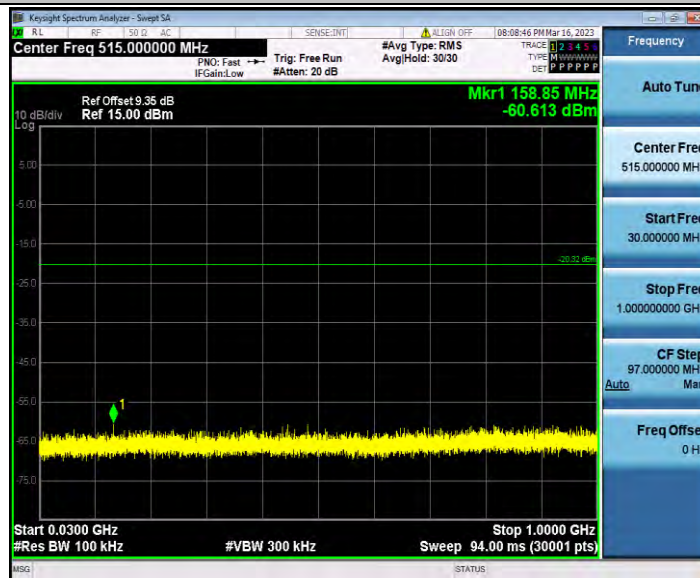
11G_Ant1_2437_1000~26500



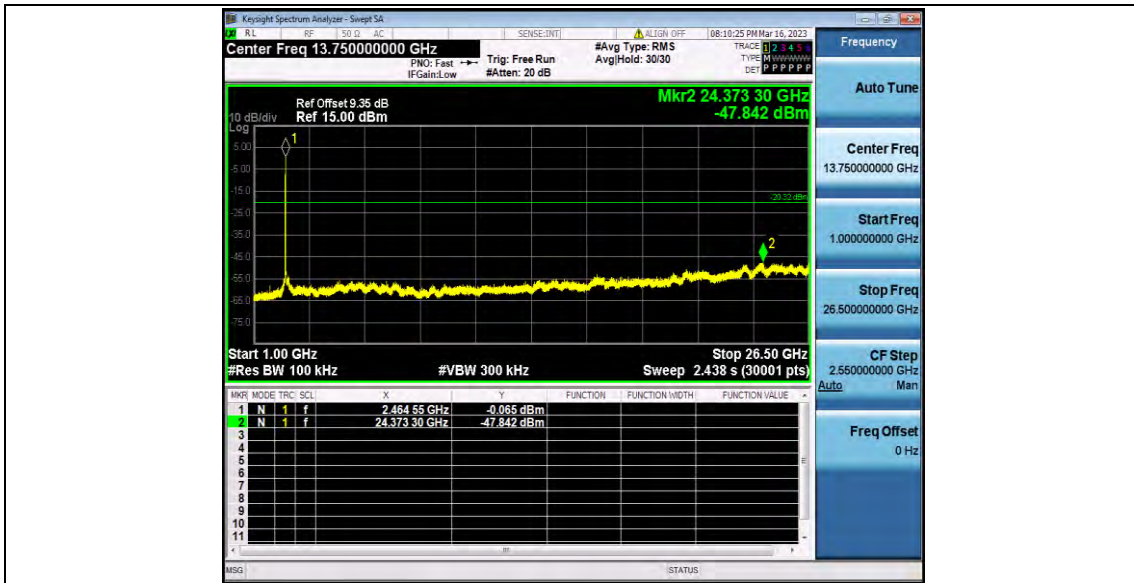
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



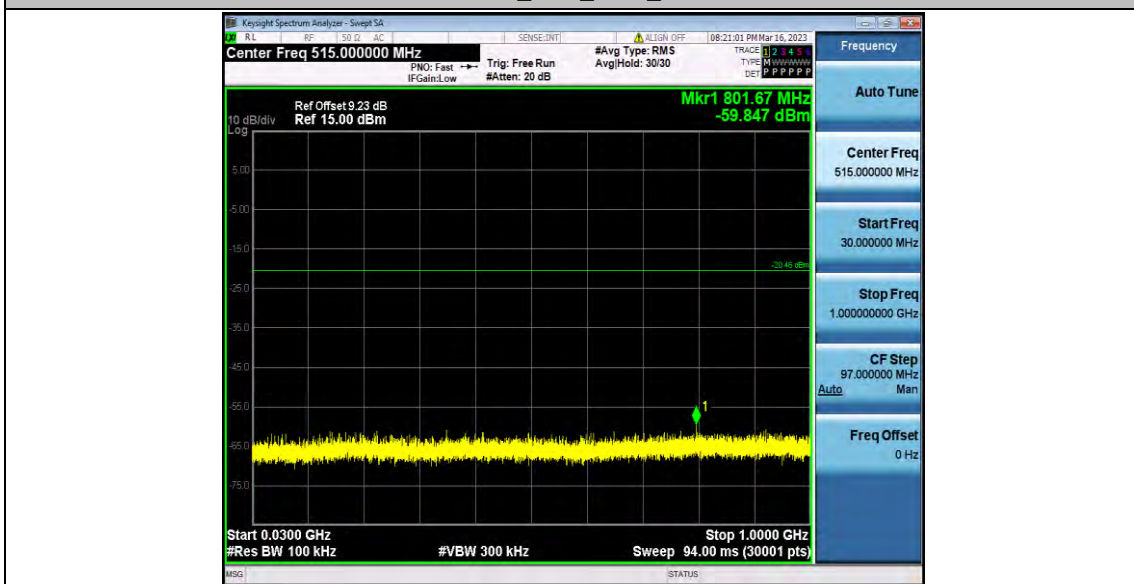
11G_Ant1_2462_1000~26500



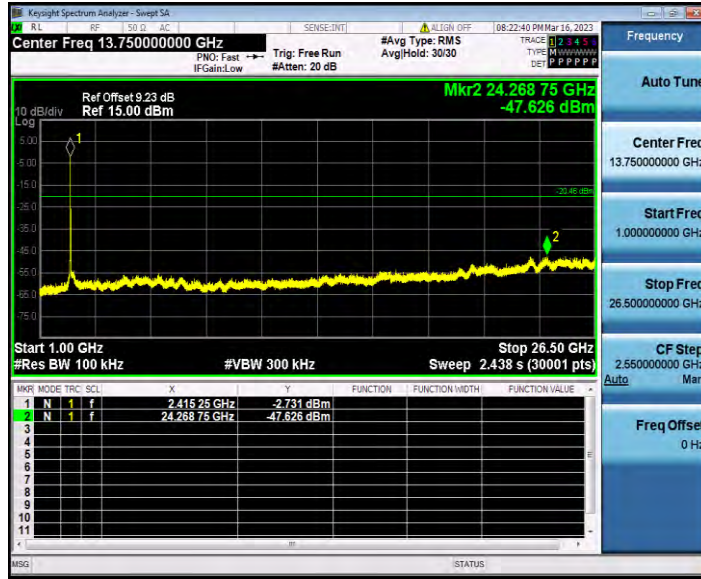
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



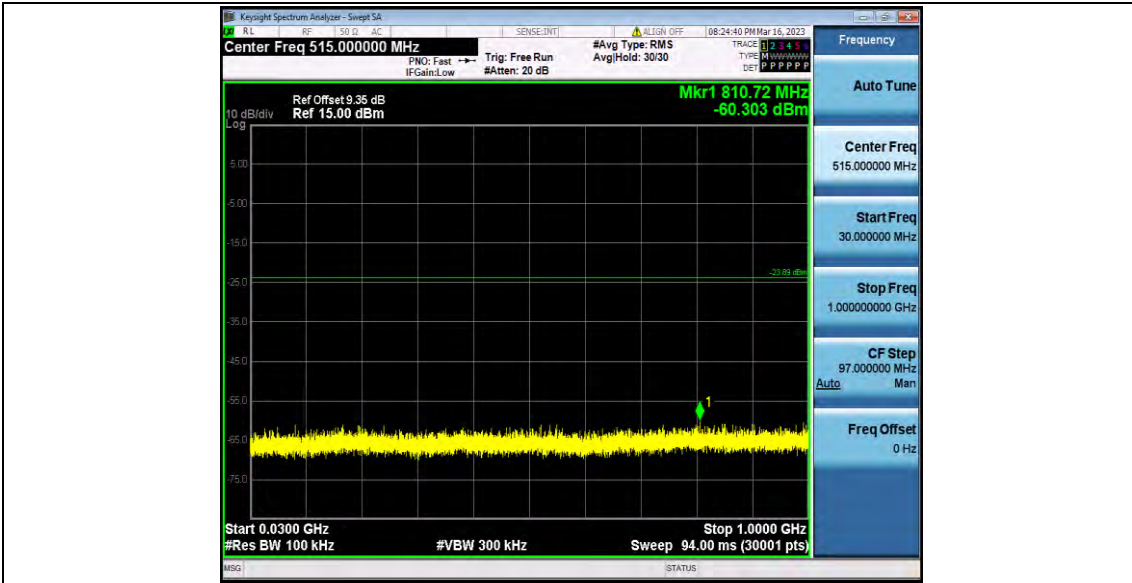
11N20SISO_Ant1_2412_1000~26500



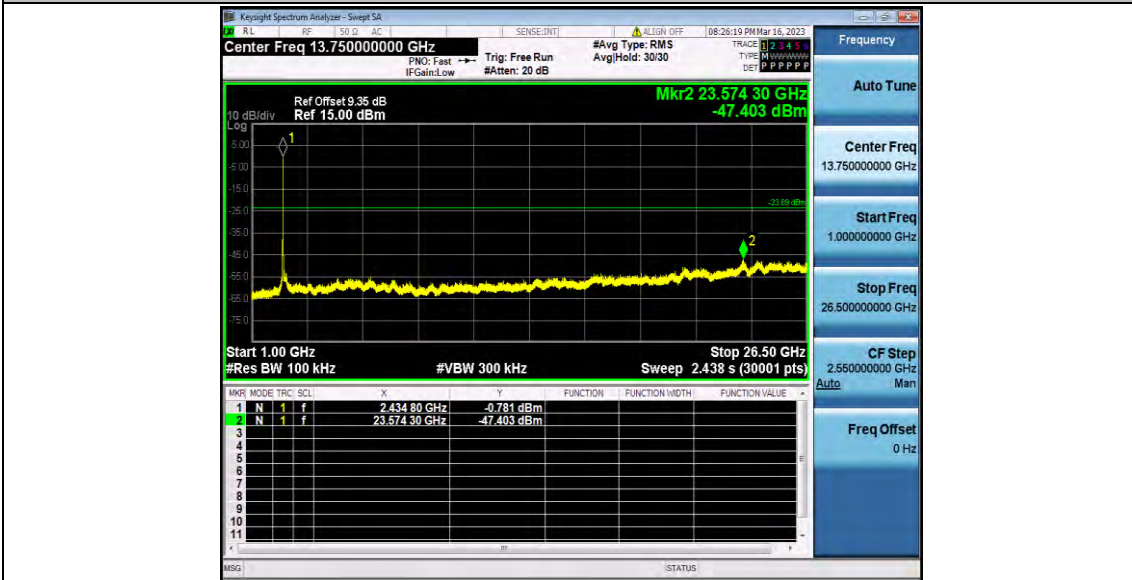
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



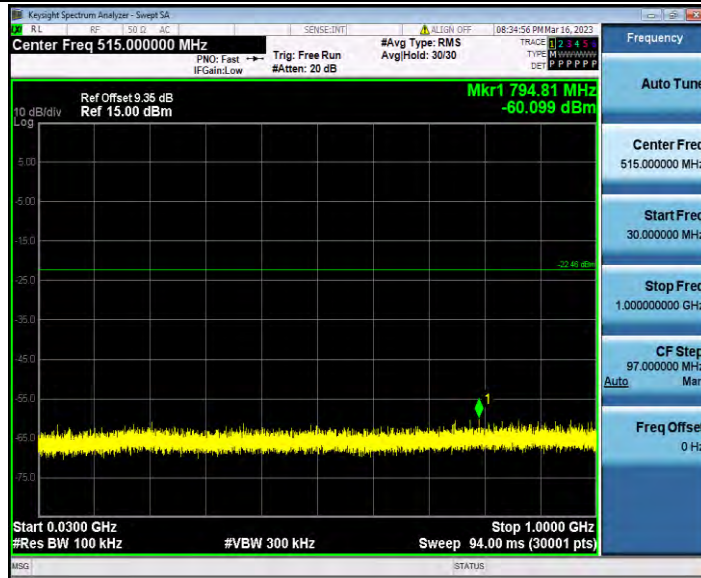
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



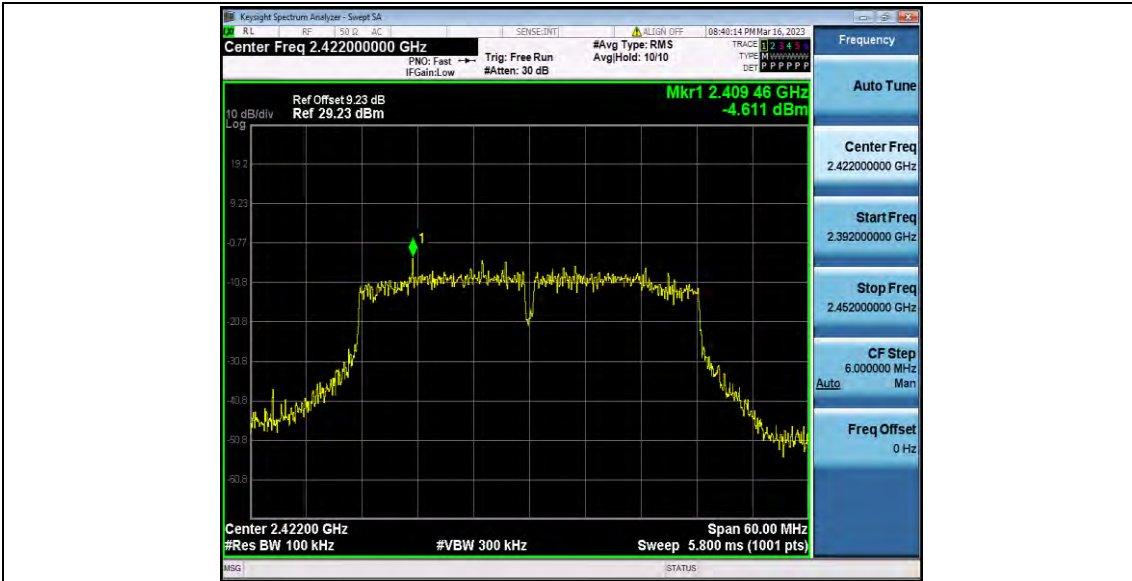
11N20SISO_Ant1_2462_30~1000



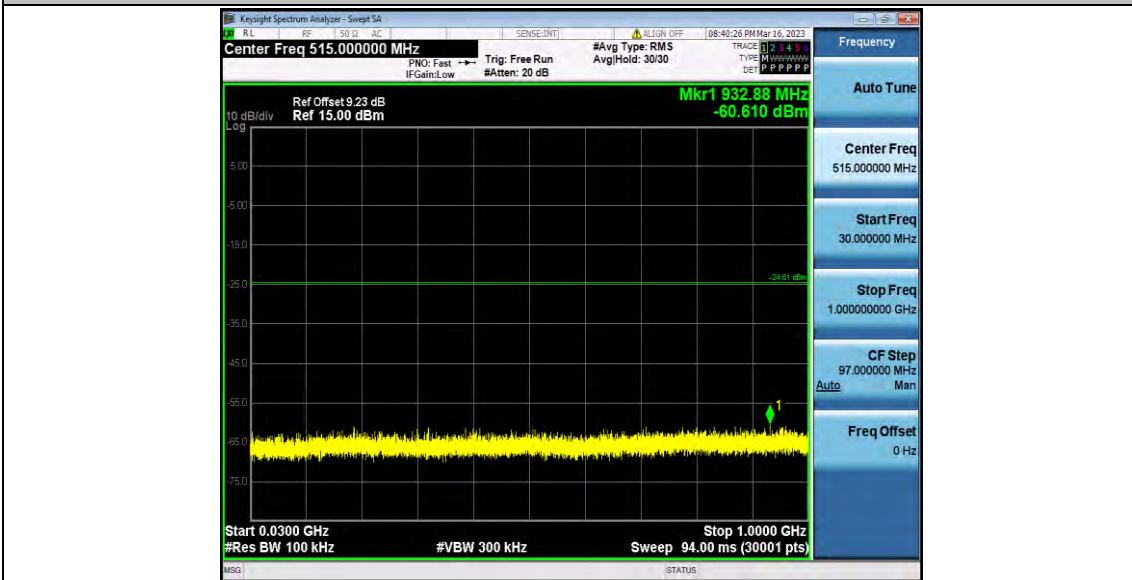
11N20SISO_Ant1_2462_1000~26500



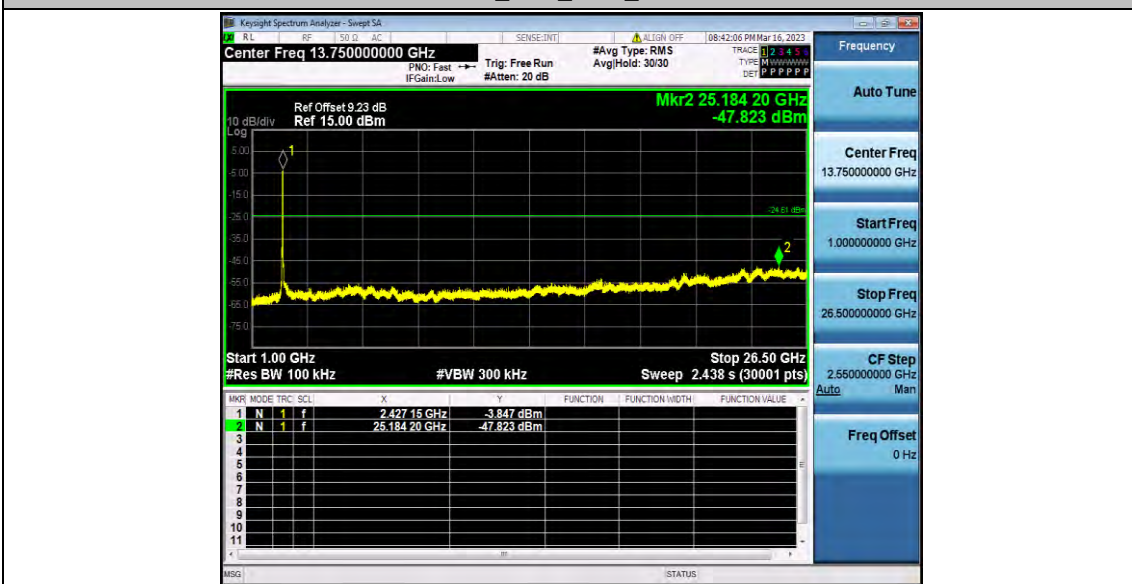
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



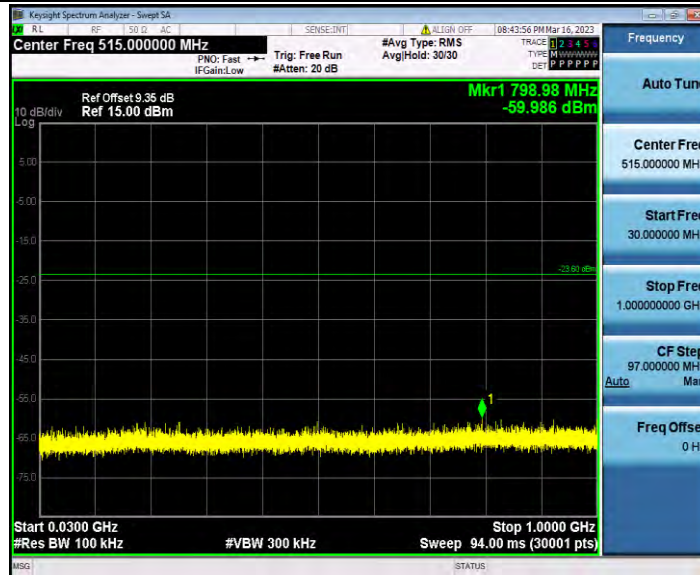
11N40SISO_Ant1_2422_1000~26500



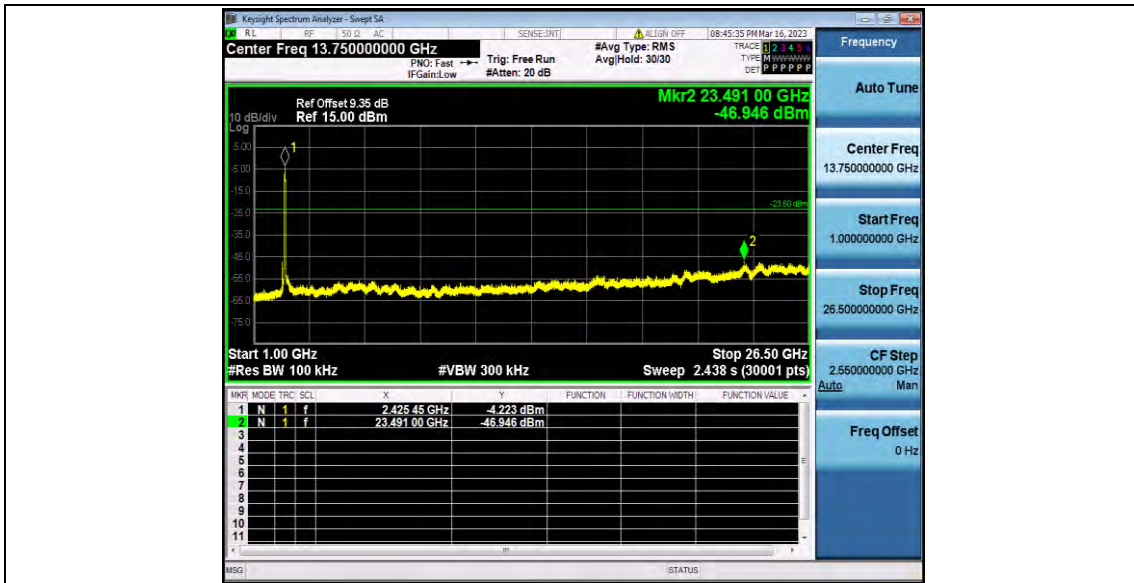
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000

