

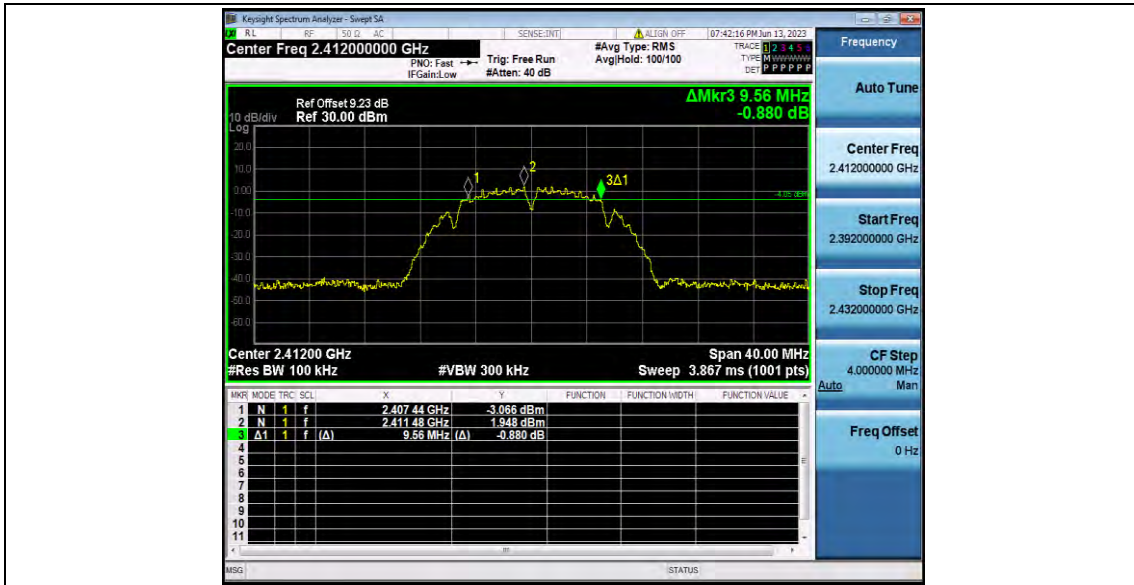
Case No. : <u>GTS20230525016-1-10</u>
Ambient Condition: <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.6.13</u> Test Engineer: <u>Jenny zeng</u>

Appendix C.1: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	9.560	2407.440	2417.000	0.5	PASS
		2437	9.760	2432.080	2441.840	0.5	PASS
		2462	9.120	2457.440	2466.560	0.5	PASS
11G	Ant2	2412	13.200	2406.360	2419.560	0.5	PASS
		2437	13.880	2430.680	2444.560	0.5	PASS
		2462	13.880	2454.440	2468.320	0.5	PASS
11N20SISO	Ant2	2412	14.960	2404.600	2419.560	0.5	PASS
		2437	15.960	2429.440	2445.400	0.5	PASS
		2462	14.960	2454.520	2469.480	0.5	PASS
11N40SISO	Ant2	2422	35.120	2404.480	2439.600	0.5	PASS
		2437	33.840	2420.680	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs



11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



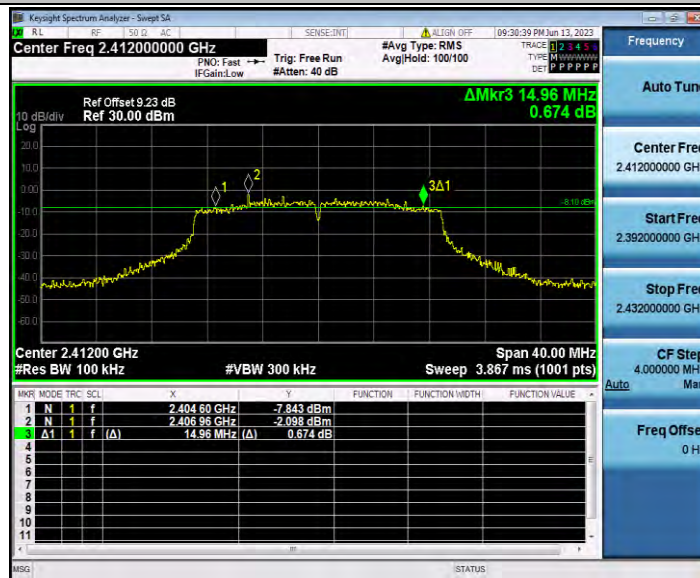
11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



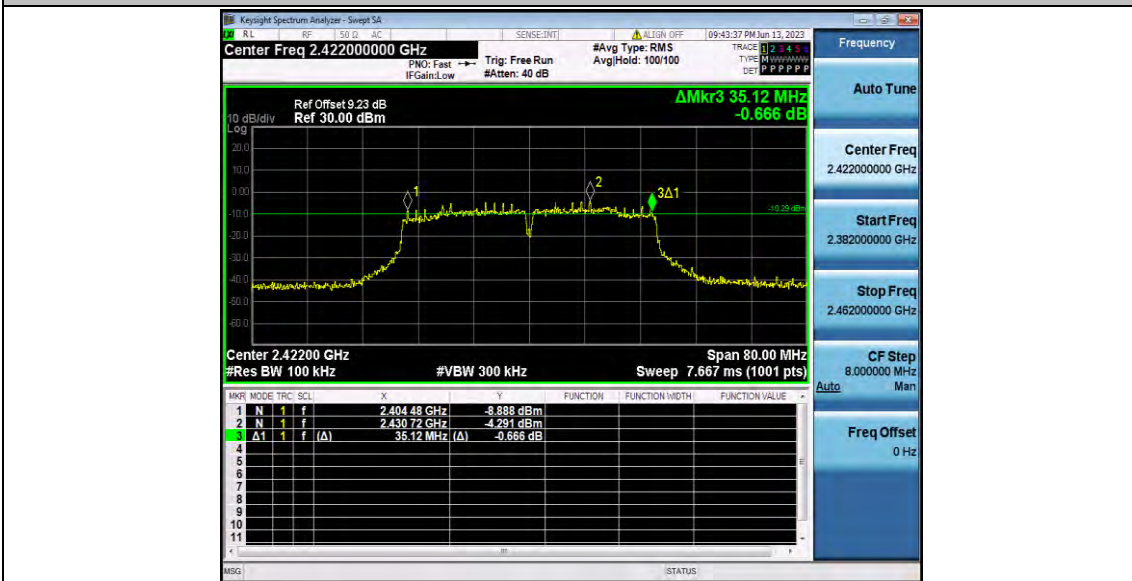
11N20SISO_Ant2_2412



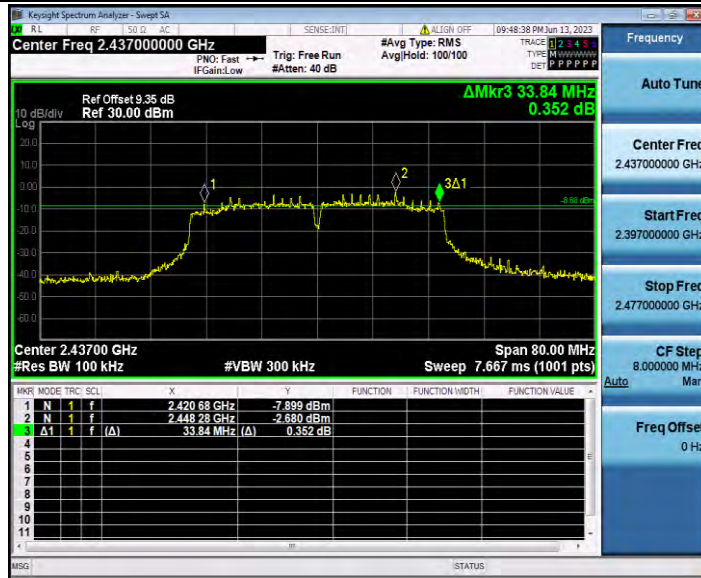
11N20SISO_Ant2_2437



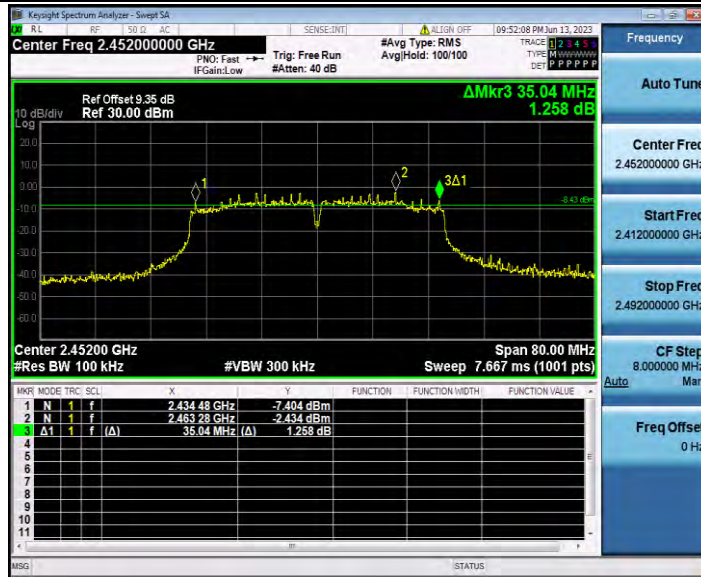
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

Appendix C.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.749	2405.640	2418.389	---	---
		2437	12.890	2430.626	2443.516	---	---
		2462	12.952	2455.572	2468.524	---	---
11G	Ant2	2412	16.755	2403.655	2420.410	---	---
		2437	16.837	2428.661	2445.498	---	---
		2462	16.871	2453.606	2470.477	---	---
11N20SISO	Ant2	2412	17.976	2403.027	2421.003	---	---
		2437	17.947	2428.110	2446.057	---	---
		2462	17.948	2453.038	2470.986	---	---
11N40SISO	Ant2	2422	36.276	2404.022	2440.298	---	---
		2437	36.147	2419.073	2455.220	---	---
		2452	36.216	2434.001	2470.217	---	---

Test Graphs



11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



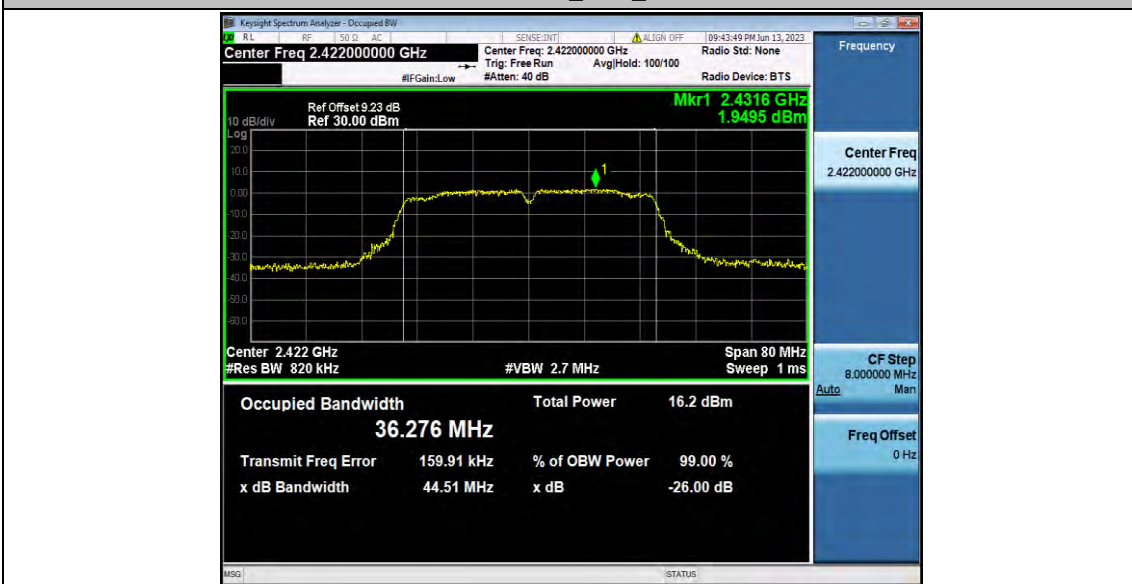
11N20SISO_Ant2_2412



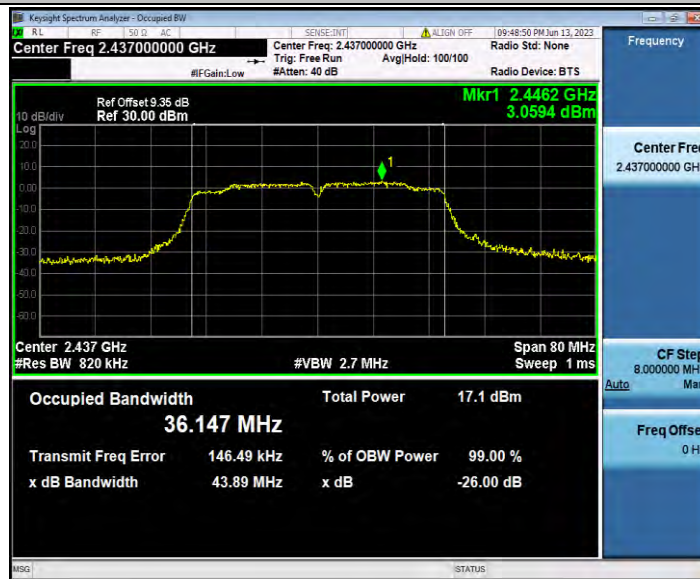
11N20SISO_Ant2_2437



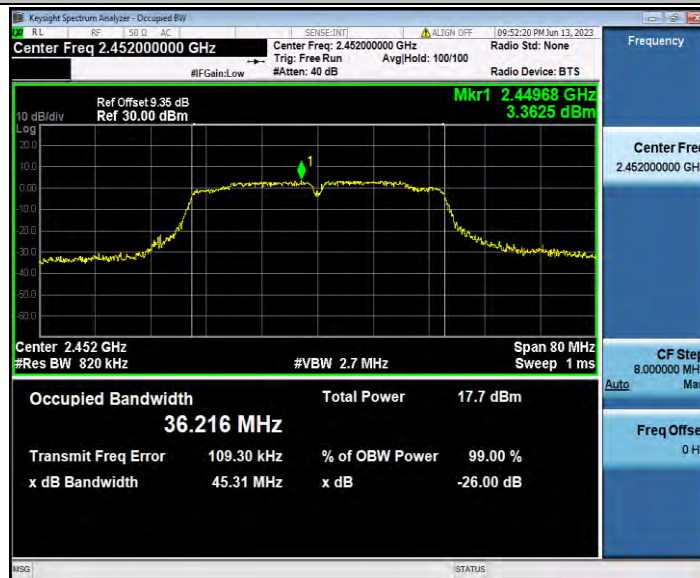
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	15.02	≤30.00	PASS
		2437	16.50	≤30.00	PASS
		2462	17.03	≤30.00	PASS
11G	Ant2	2412	19.49	≤30.00	PASS
		2437	19.55	≤30.00	PASS
		2462	20.20	≤30.00	PASS
11N20SISO	Ant2	2412	16.12	≤30.00	PASS
		2437	17.57	≤30.00	PASS
		2462	18.27	≤30.00	PASS
11N40SISO	Ant2	2422	16.59	≤30.00	PASS
		2437	17.46	≤30.00	PASS
		2452	18.05	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-12.11	≤8.00	PASS
		2437	-11.11	≤8.00	PASS
		2462	-10.75	≤8.00	PASS
11G	Ant2	2412	-12.52	≤8.00	PASS
		2437	-13.07	≤8.00	PASS
		2462	-11.12	≤8.00	PASS
11N20SISO	Ant2	2412	-16.01	≤8.00	PASS
		2437	-13.46	≤8.00	PASS
		2462	-13.35	≤8.00	PASS
11N40SISO	Ant2	2422	-17.88	≤8.00	PASS
		2437	-16.72	≤8.00	PASS
		2452	-16.29	≤8.00	PASS

Test Graphs



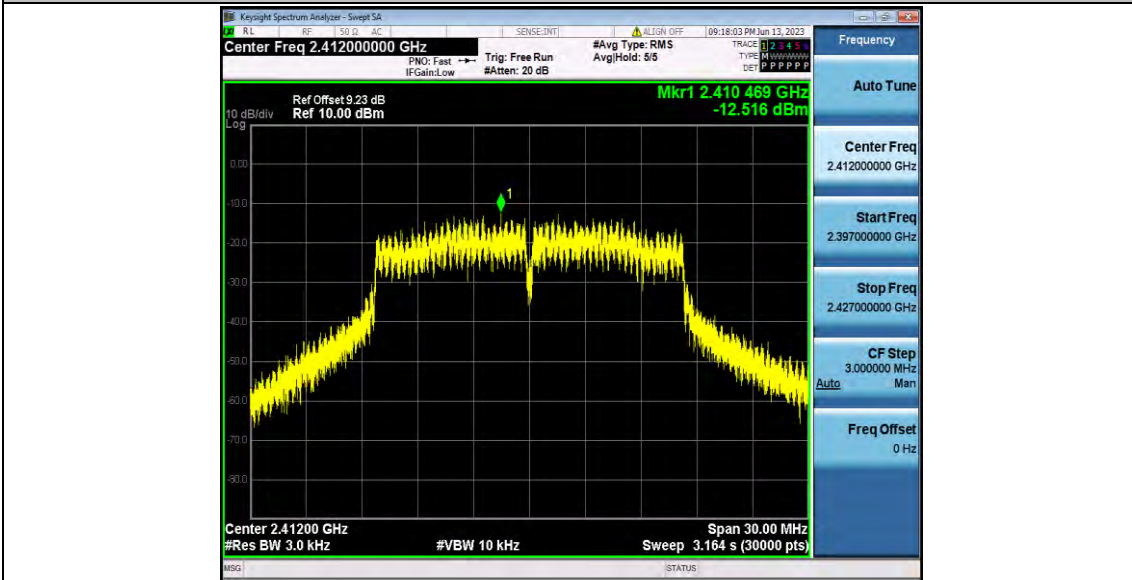
11B_Ant2_2412



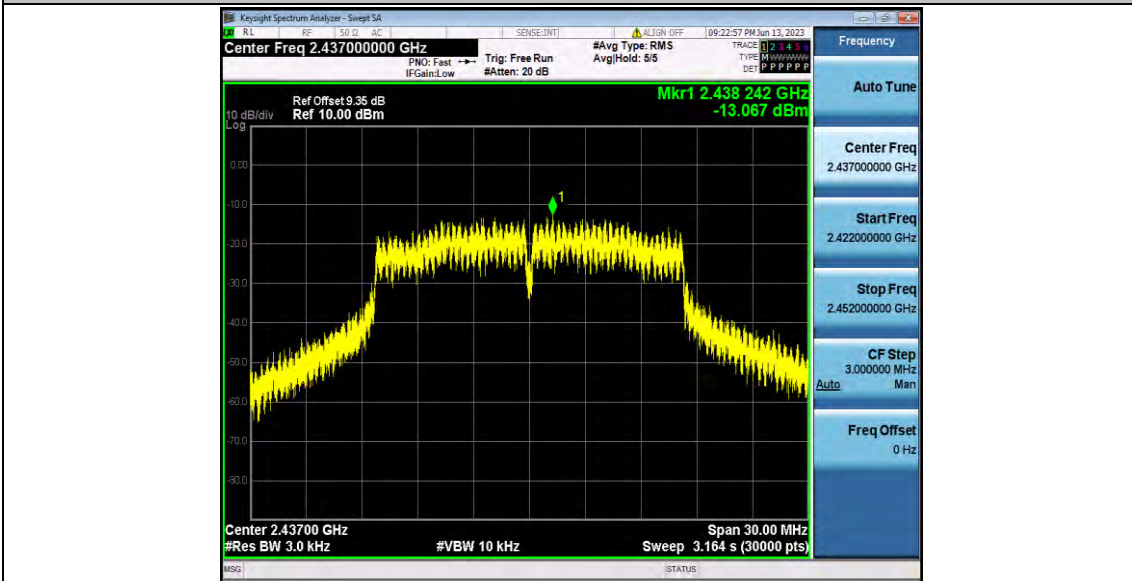
11B_Ant2_2437



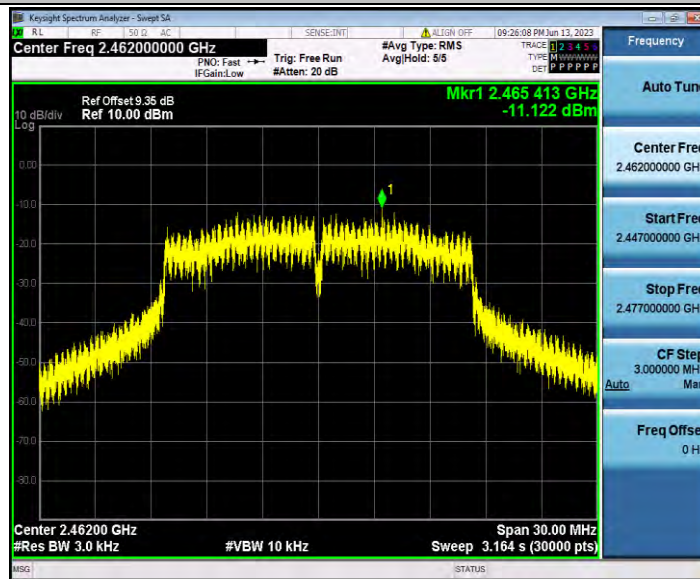
11B_Ant2_2462



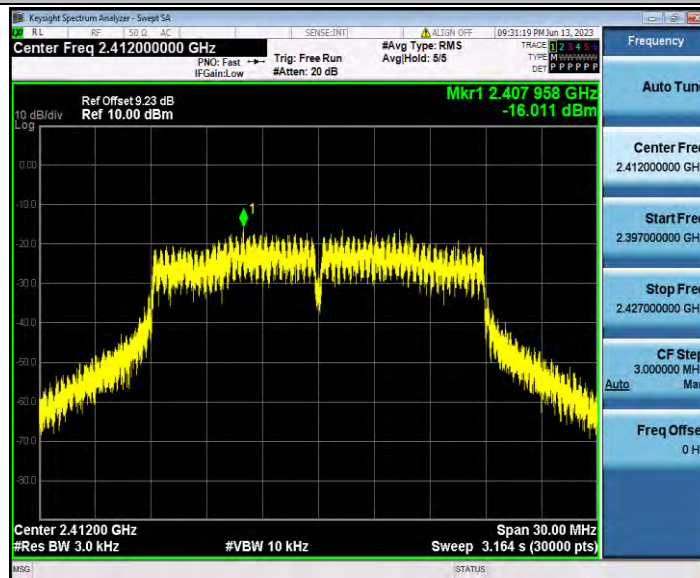
11G_Ant2_2412



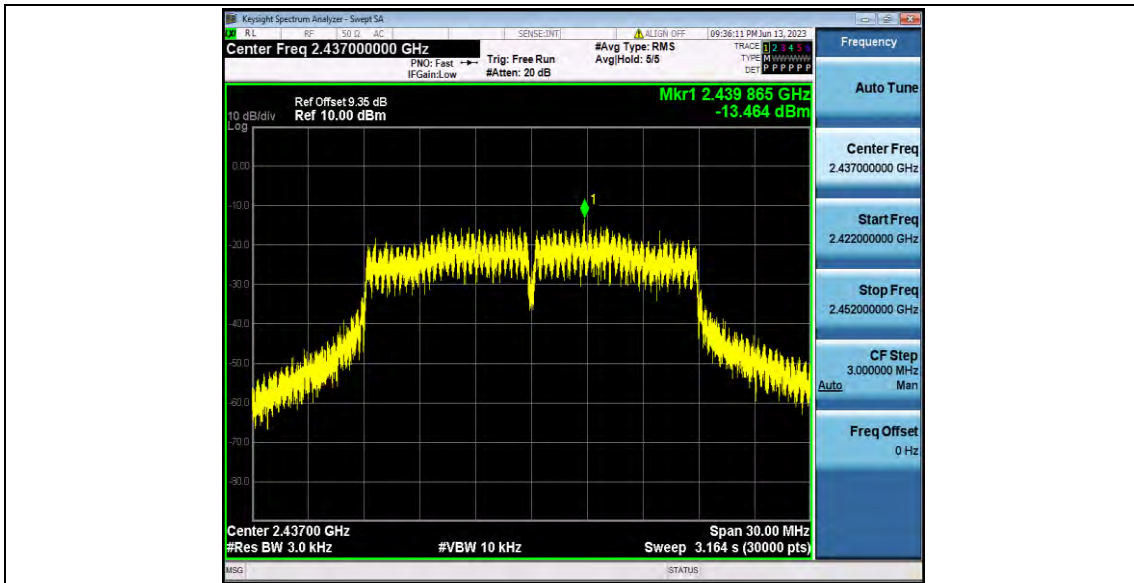
11G_Ant2_2437



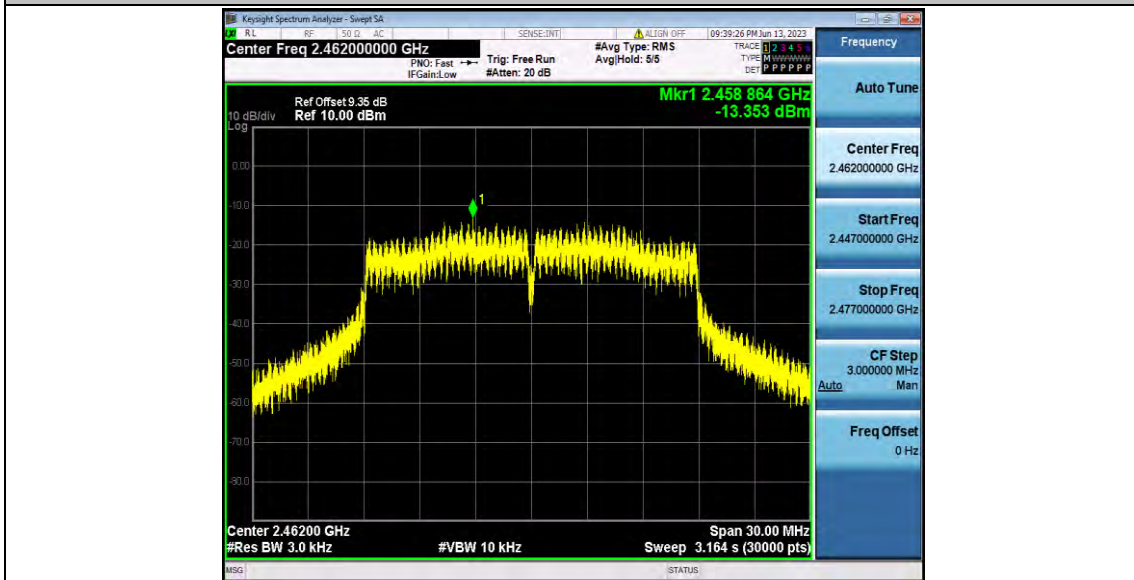
11G_Ant2_2462



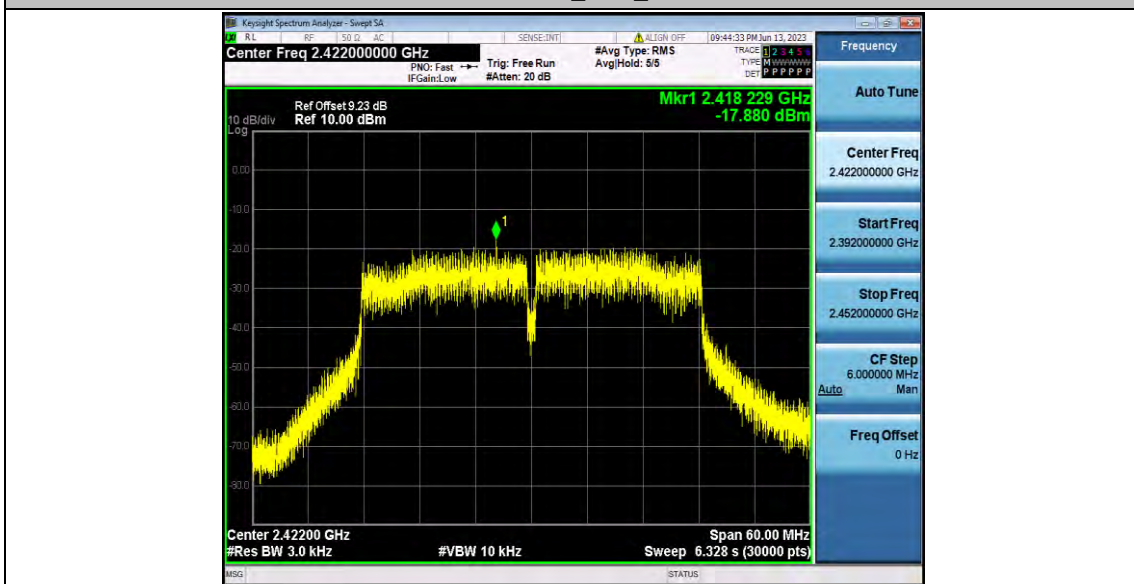
11N20SISO_Ant2_2412



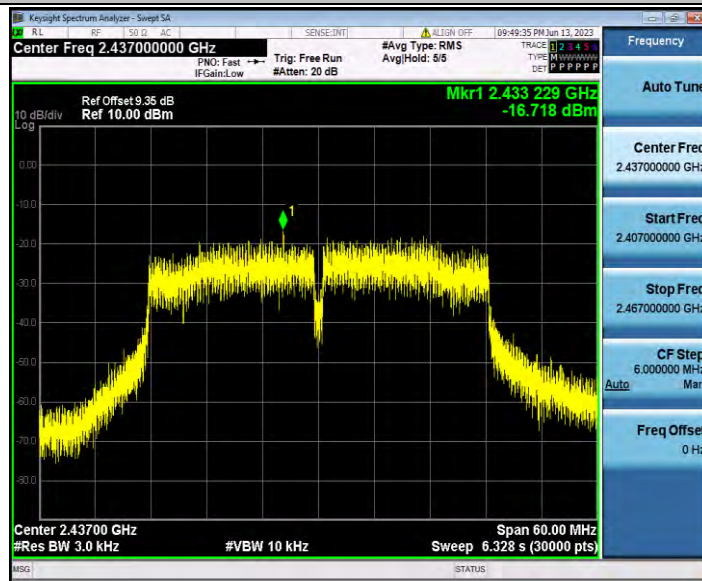
11N20SISO_Ant2_2437



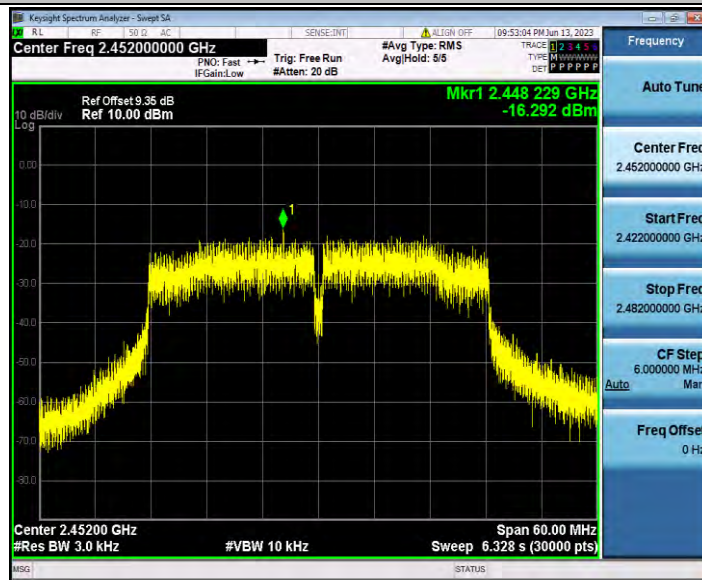
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



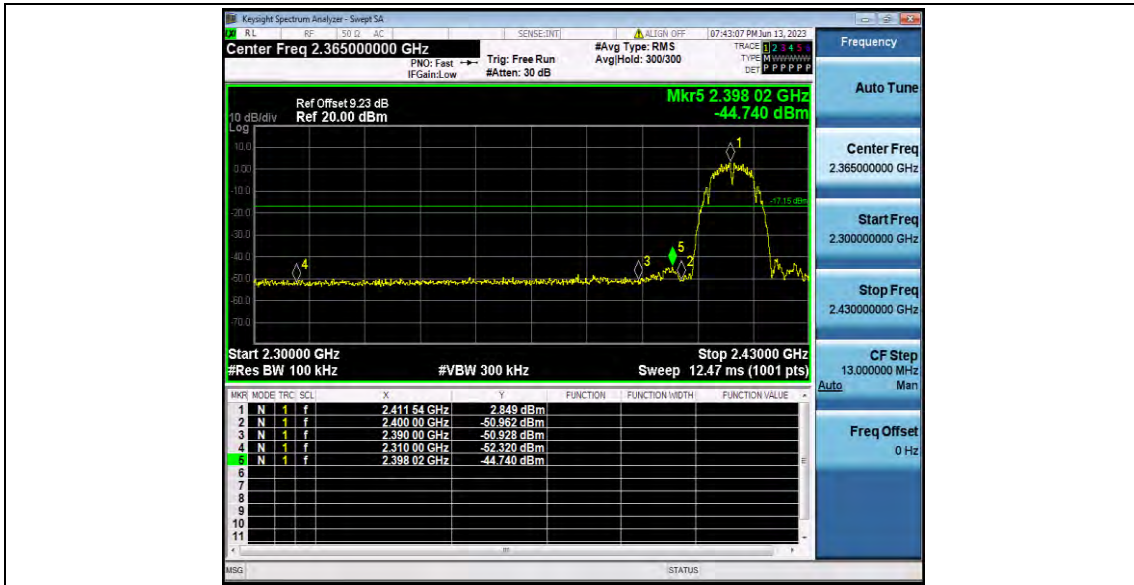
11N40SISO_Ant2_2452

Appendix C.5: Band edge measurements

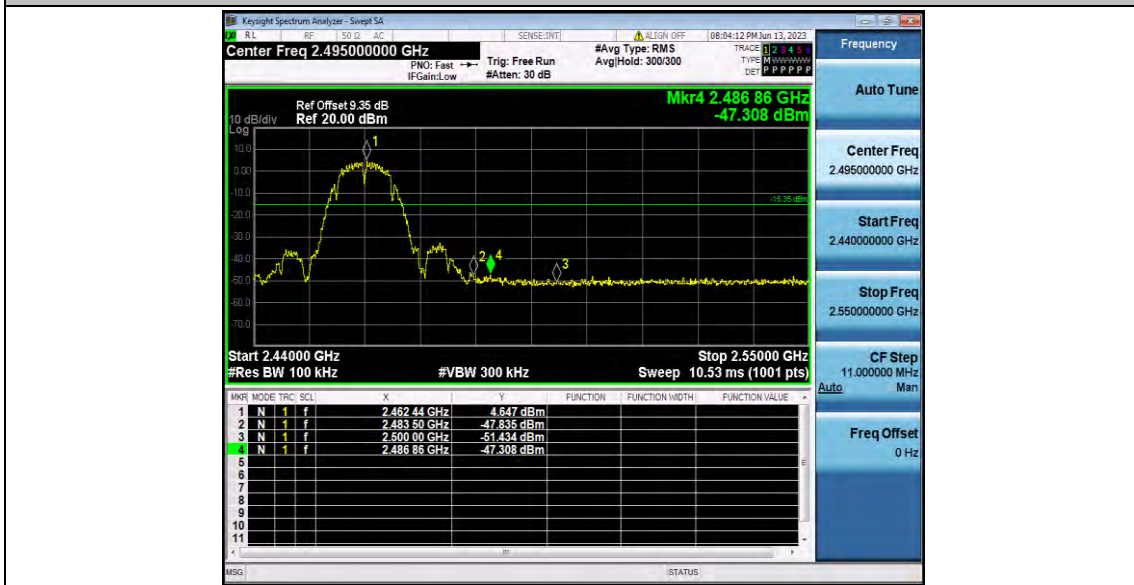
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	2.85	-44.74	≤-17.15	PASS
		High	2462	4.65	-47.31	≤-15.35	PASS
11G	Ant2	Low	2412	2.14	-29.92	≤-17.86	PASS
		High	2462	2.77	-40.18	≤-17.23	PASS
11N20SISO	Ant2	Low	2412	-1.32	-30.63	≤-21.32	PASS
		High	2462	0.81	-43.65	≤-19.19	PASS
11N40SISO	Ant2	Low	2422	-3.81	-36.32	≤-23.81	PASS
		High	2452	-2.50	-33.61	≤-22.5	PASS

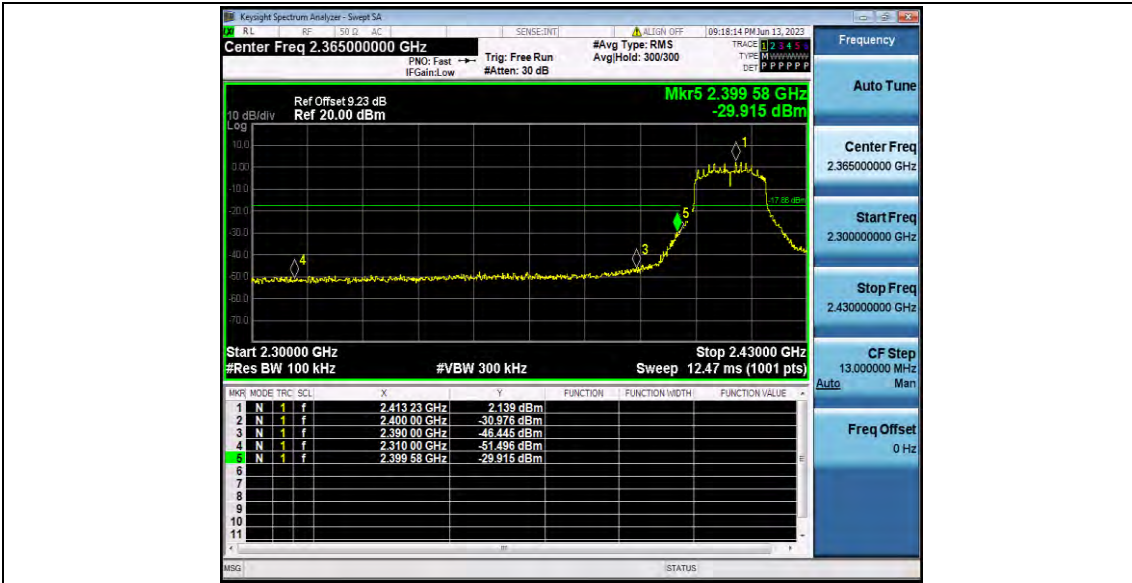
Test Graphs



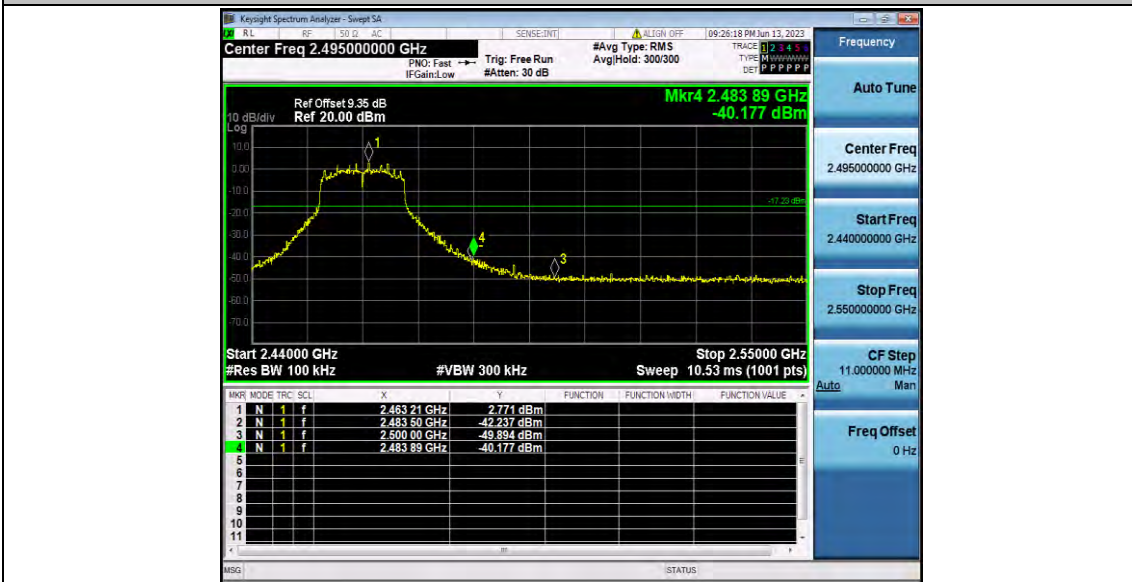
11B_Ant2_Low_2412



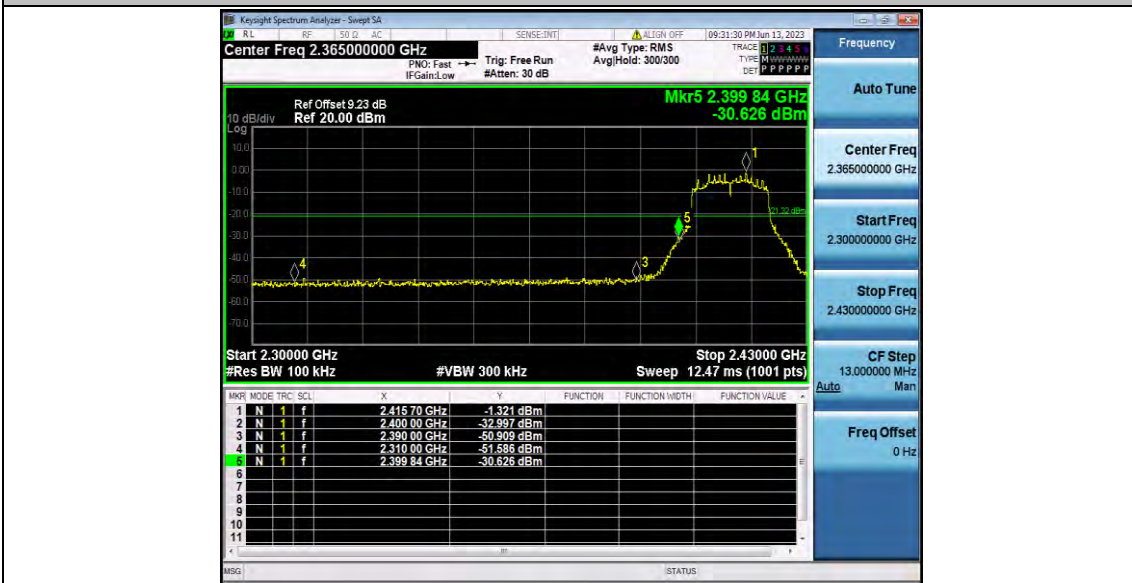
11B_Ant2_High_2462



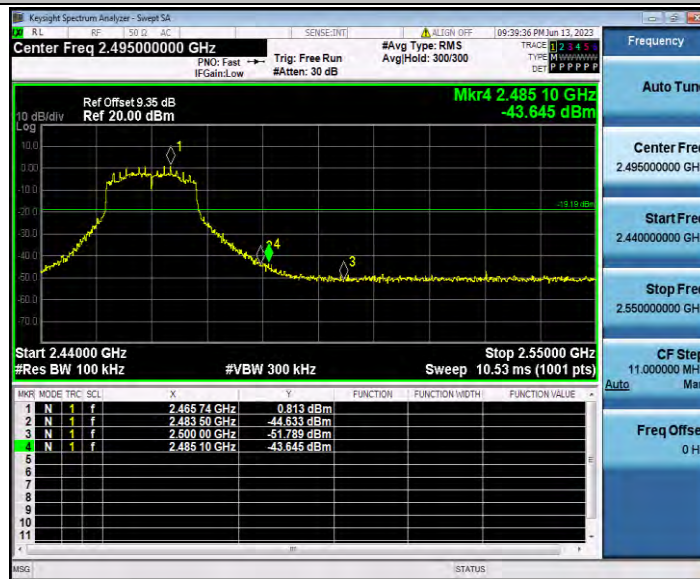
11G_Ant2_Low_2412



11G_Ant2_High_2462



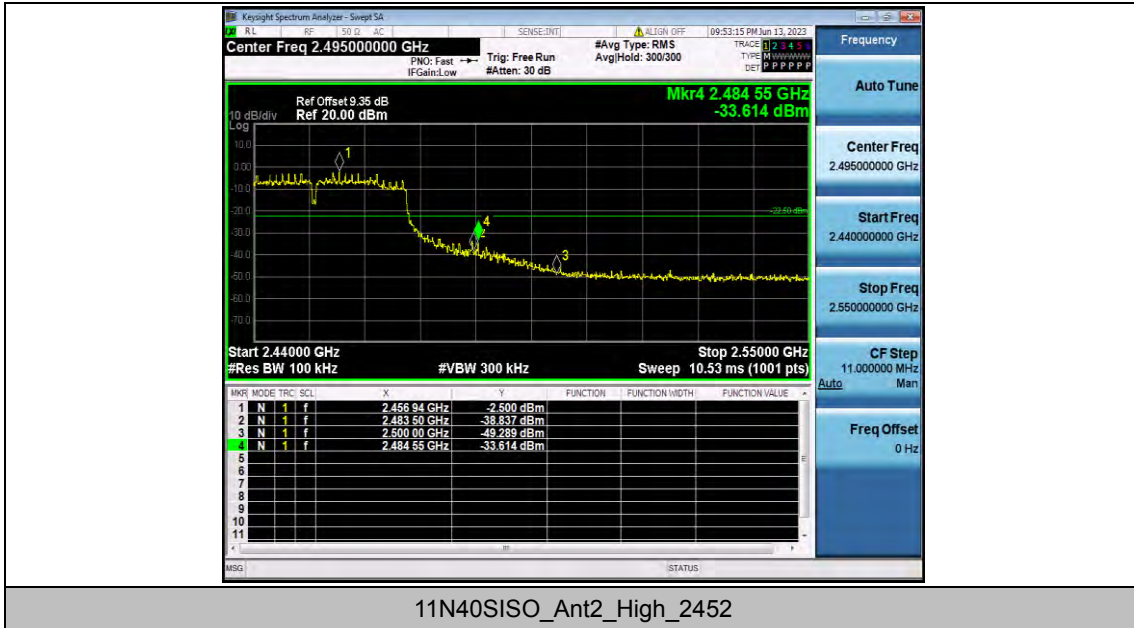
11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

Appendix C.6: Conducted Spurious Emission

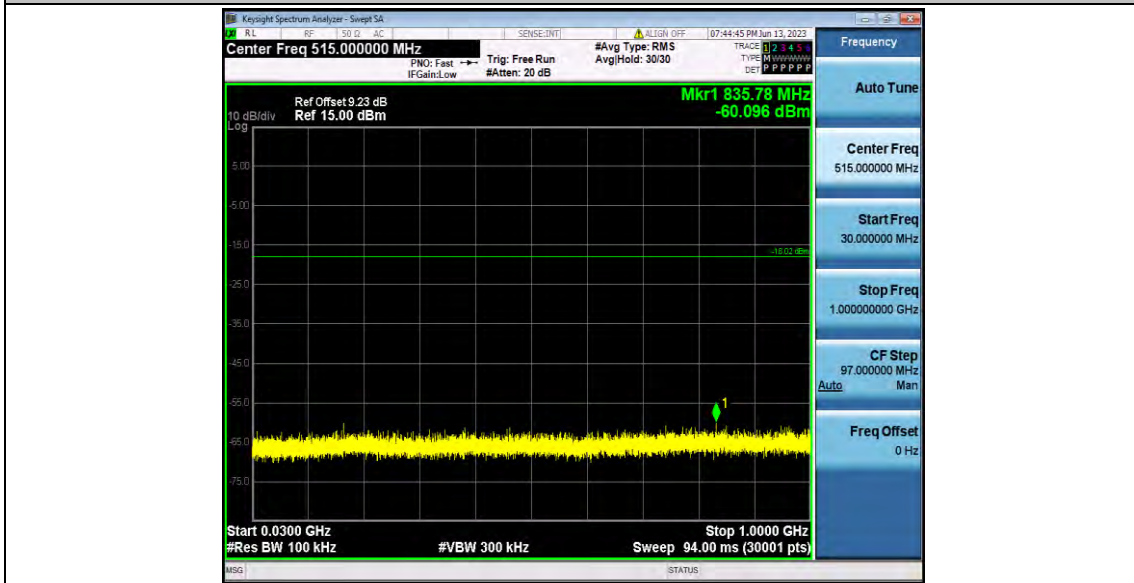
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	1.98	1.98	---	PASS
			30~1000	1.98	-60.1	≤-18.02	PASS
			1000~26500	1.98	-47.91	≤-18.02	PASS
		2437	Reference	2.86	2.86	---	PASS
			30~1000	2.86	-59.69	≤-17.14	PASS
			1000~26500	2.86	-47.06	≤-17.14	PASS
		2462	Reference	3.54	3.54	---	PASS
			30~1000	3.54	-60.22	≤-16.46	PASS
			1000~26500	3.54	-46.69	≤-16.46	PASS
11G	Ant2	2412	Reference	0.42	0.42	---	PASS
			30~1000	0.42	-60.2	≤-19.58	PASS
			1000~26500	0.42	-47.69	≤-19.58	PASS
		2437	Reference	2.40	2.40	---	PASS
			30~1000	2.40	-59.73	≤-17.6	PASS
			1000~26500	2.40	-47.52	≤-17.6	PASS
		2462	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-60.22	≤-20.26	PASS
			1000~26500	-0.26	-47.17	≤-20.26	PASS
11N20SISO	Ant2	2412	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-59.5	≤-24.51	PASS
			1000~26500	-4.51	-46.85	≤-24.51	PASS
		2437	Reference	-2.18	-2.18	---	PASS
			30~1000	-2.18	-60.12	≤-22.18	PASS
			1000~26500	-2.18	-46.99	≤-22.18	PASS
		2462	Reference	-2.15	-2.15	---	PASS
			30~1000	-2.15	-60.4	≤-22.15	PASS
			1000~26500	-2.15	-47.71	≤-22.15	PASS
11N40SISO	Ant2	2422	Reference	-7.91	-7.91	---	PASS
			30~1000	-7.91	-59.72	≤-27.91	PASS
			1000~26500	-7.91	-46.98	≤-27.91	PASS
		2437	Reference	-4.17	-4.17	---	PASS
			30~1000	-4.17	-60.32	≤-24.17	PASS
			1000~26500	-4.17	-43.55	≤-24.17	PASS
		2452	Reference	-2.66	-2.66	---	PASS
			30~1000	-2.66	-59.81	≤-22.66	PASS
			1000~26500	-2.66	-46.96	≤-22.66	PASS

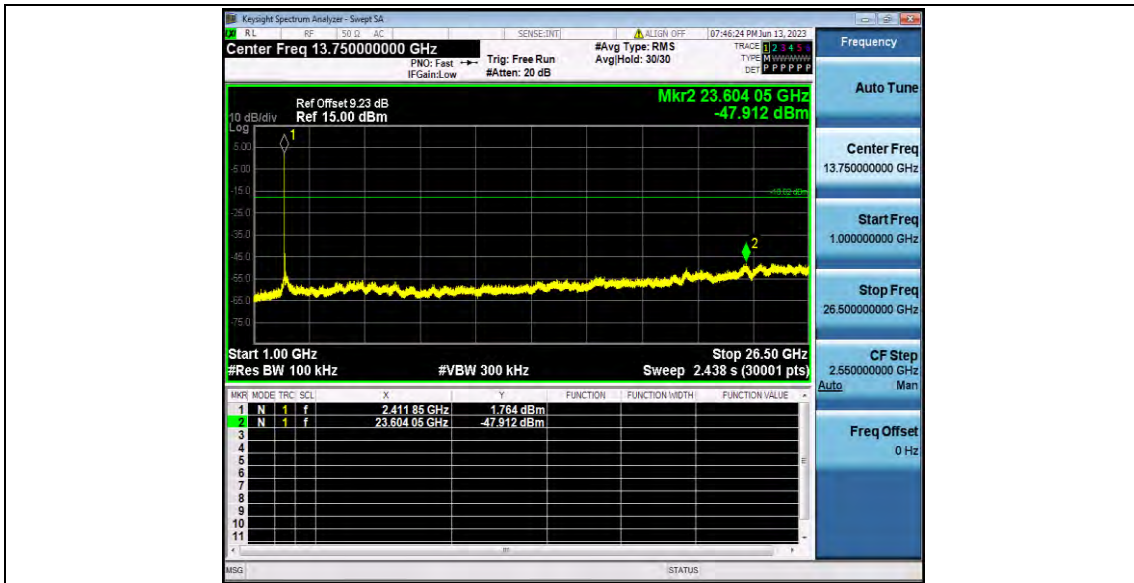
Test Graphs



11B_Ant2_2412_0~Reference



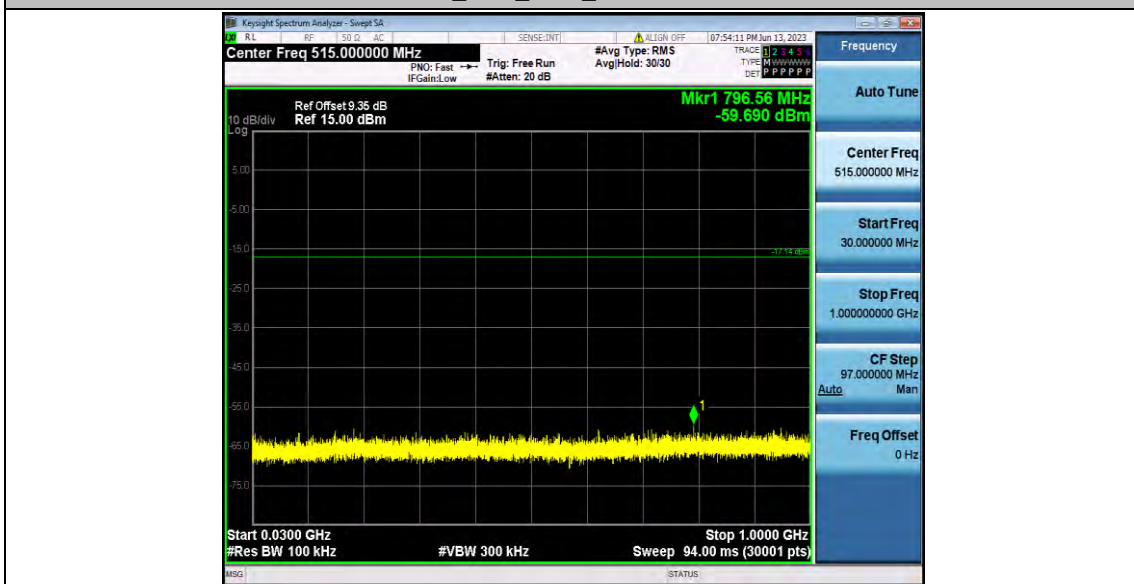
11B_Ant2_2412_30~1000



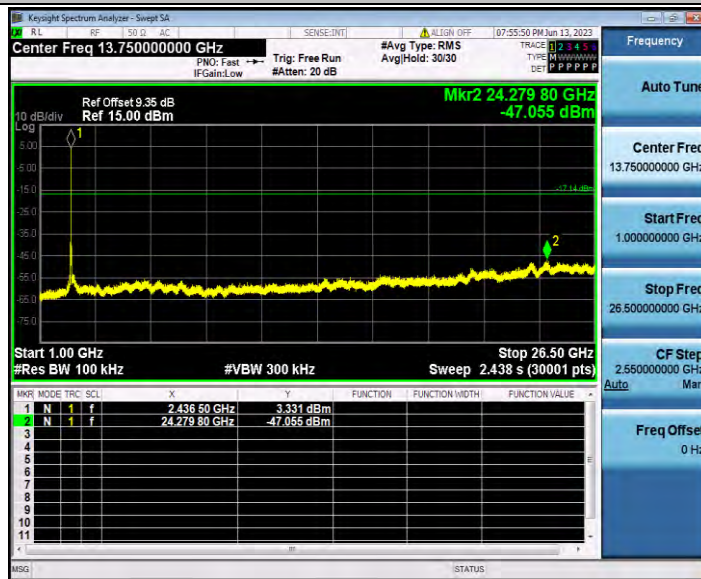
11B_Ant2_2412_1000~26500



11B_Ant2_2437_0~Reference



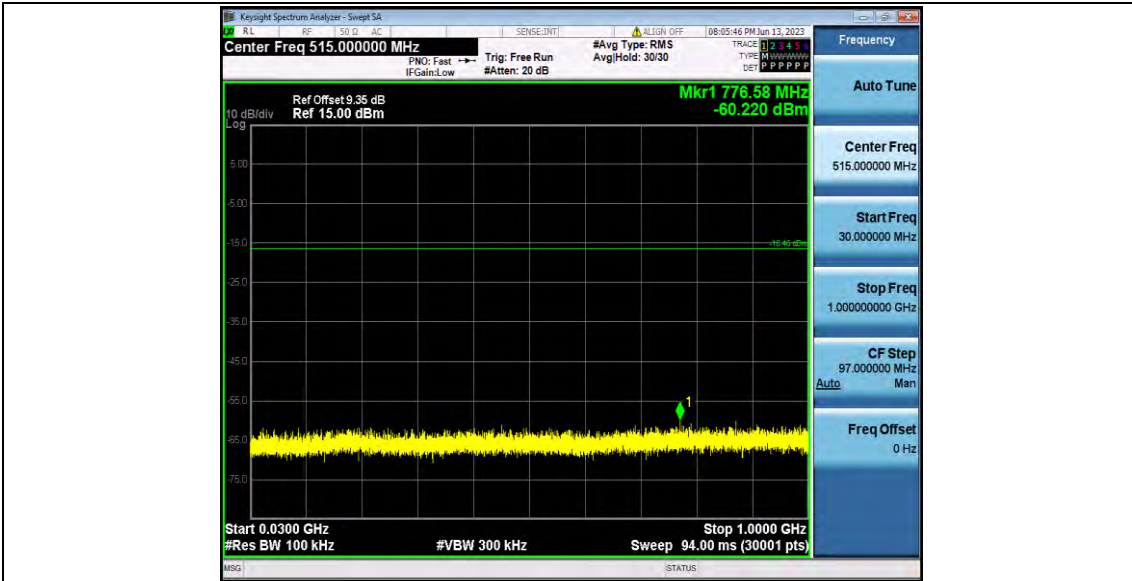
11B_Ant2_2437_30~1000



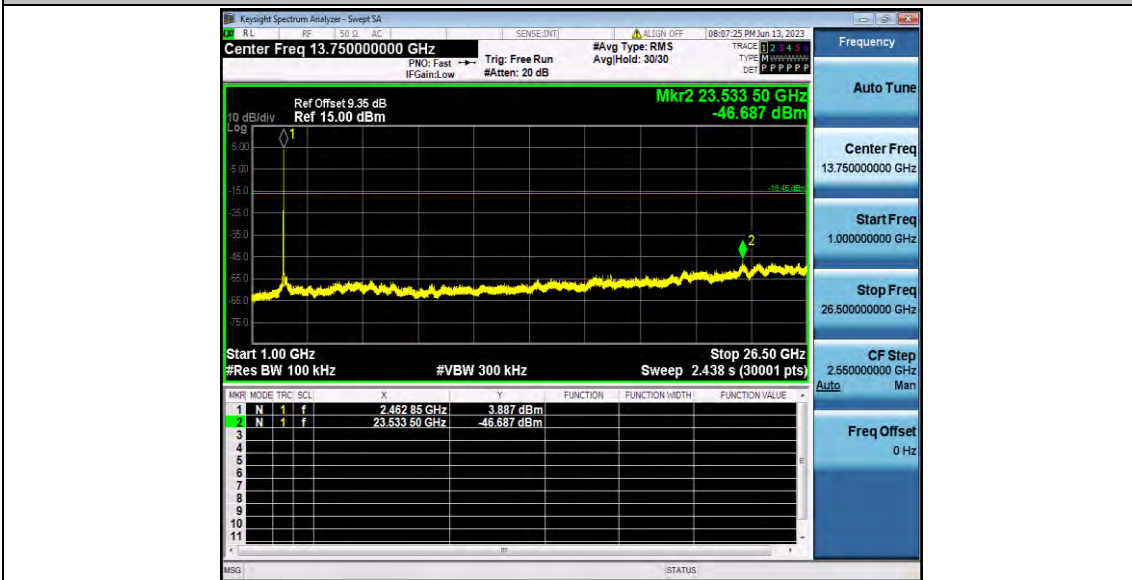
11B_Ant2_2437_1000~26500



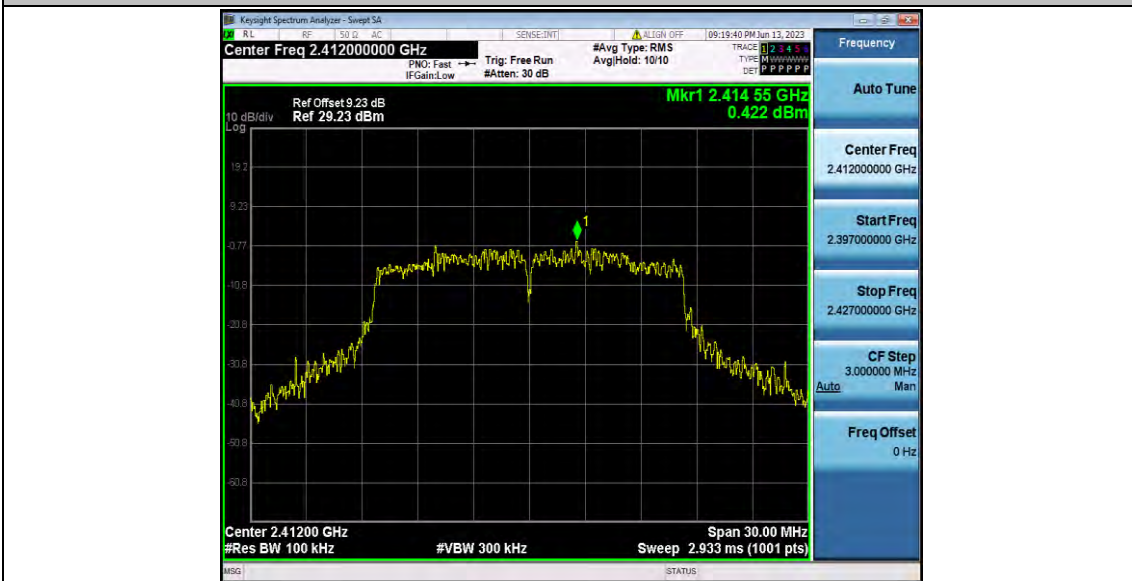
11B_Ant2_2462_0~Reference



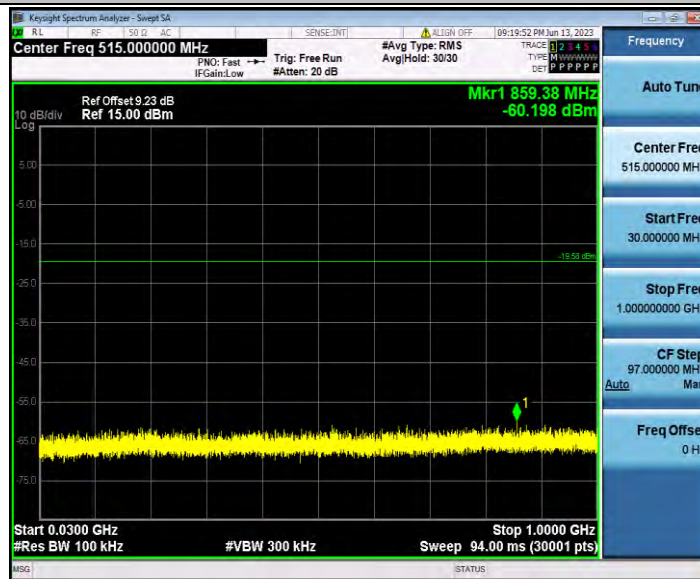
11B_Ant2_2462_30~1000



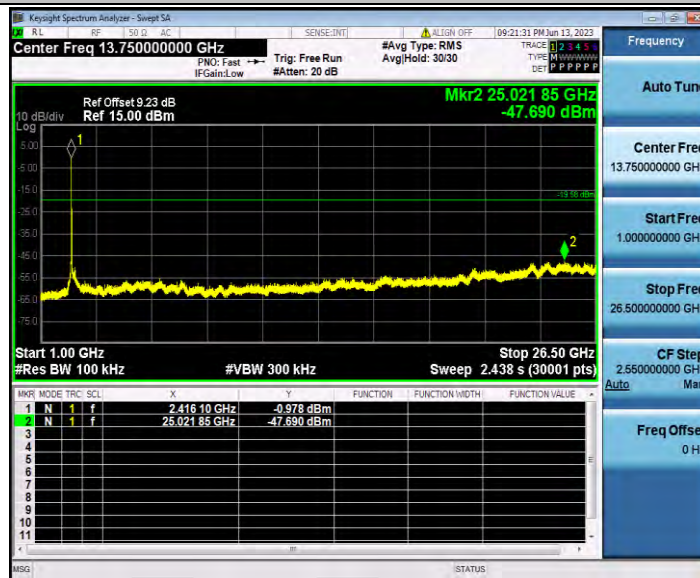
11B_Ant2_2462_1000~26500



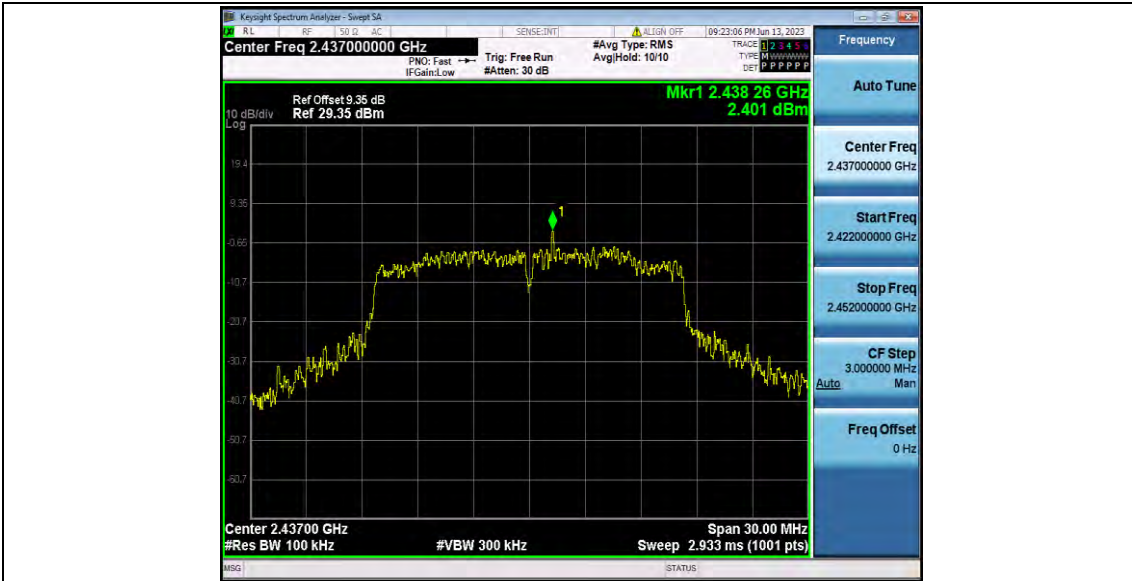
11G_Ant2_2412_0~Reference



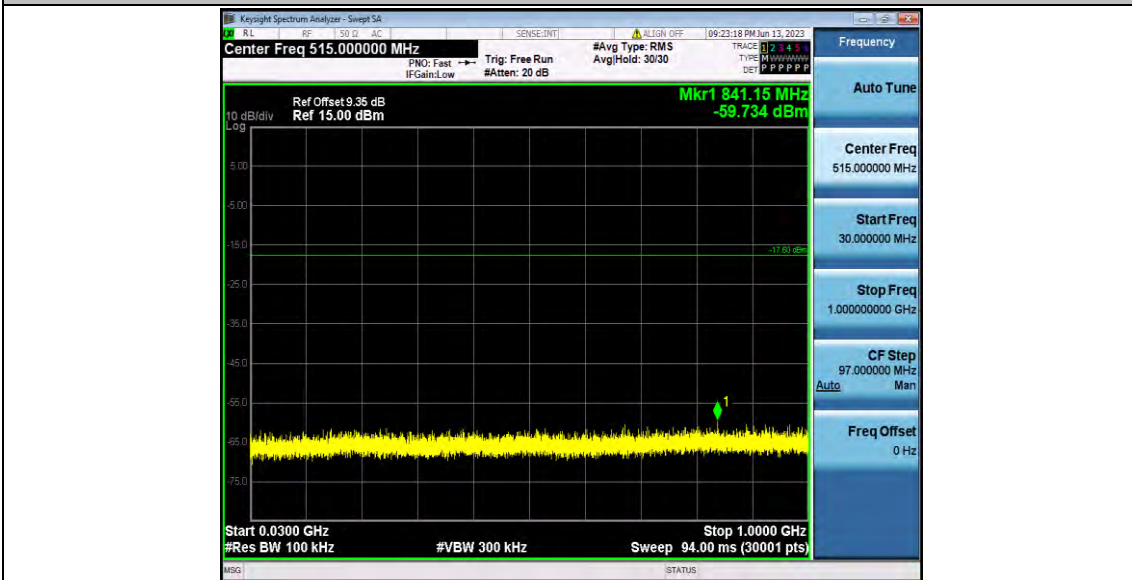
11G_Ant2_2412_30~1000



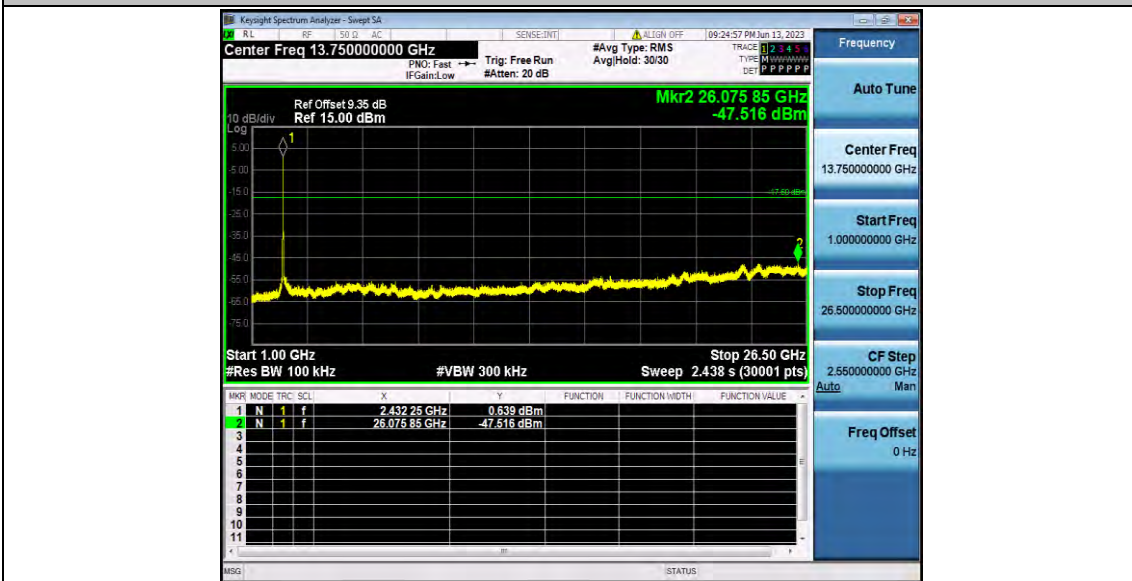
11G_Ant2_2412_1000~26500



11G_Ant2_2437_0~Reference



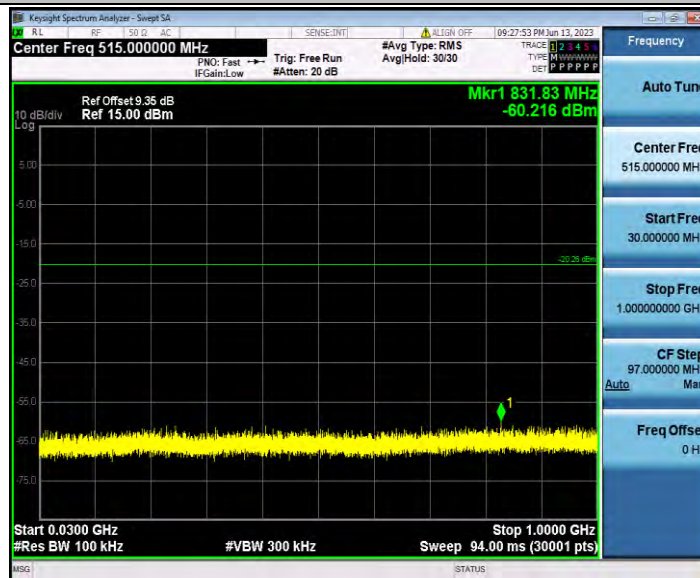
11G_Ant2_2437_30~1000



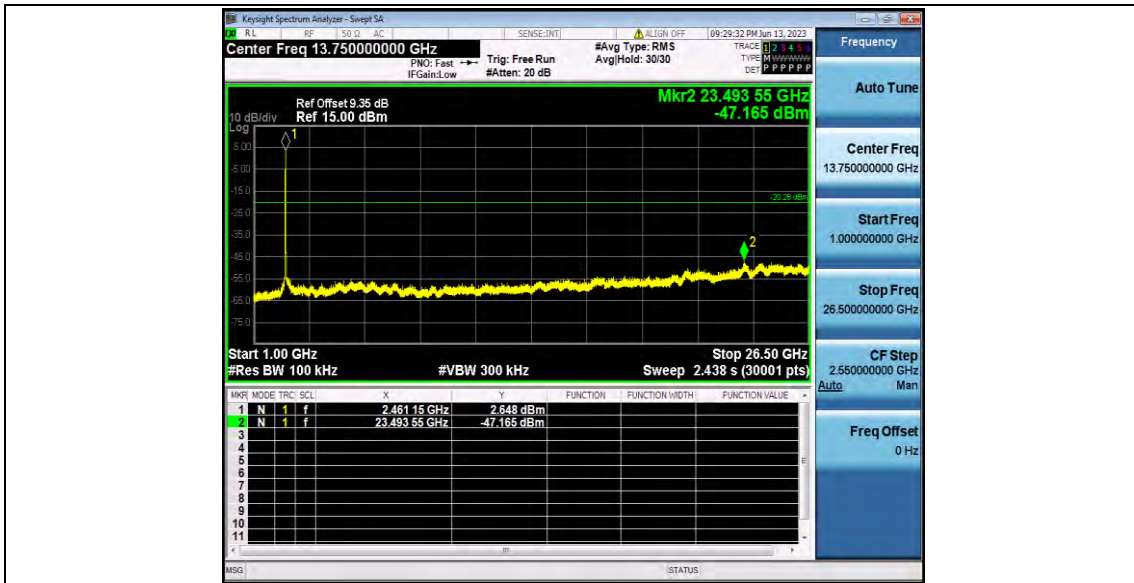
11G_Ant2_2437_1000~26500



11G_Ant2_2462_0~Reference



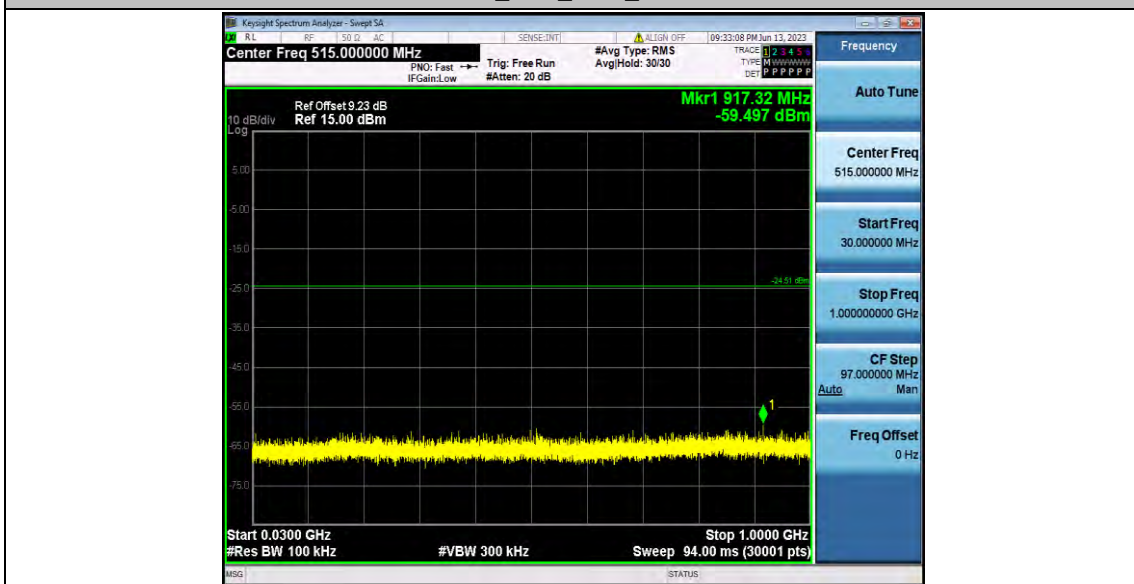
11G_Ant2_2462_30~1000



11G_Ant2_2462_1000~26500



11N20SIS0_Ant2_2412_0~Reference



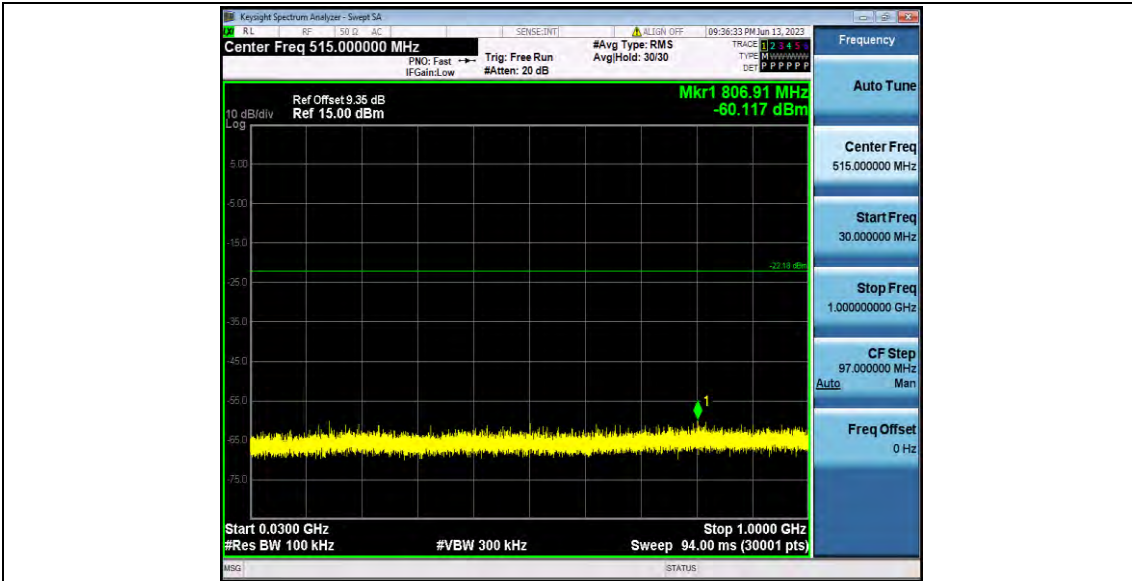
11N20SISO_Ant2_2412_30~1000



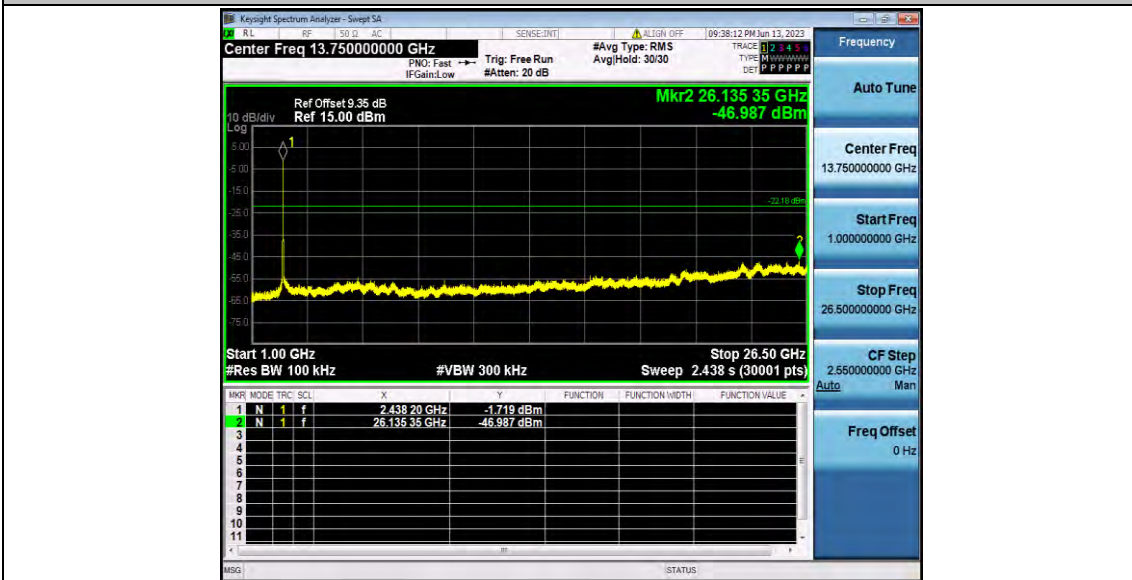
11N20SISO_Ant2_2412_1000~26500



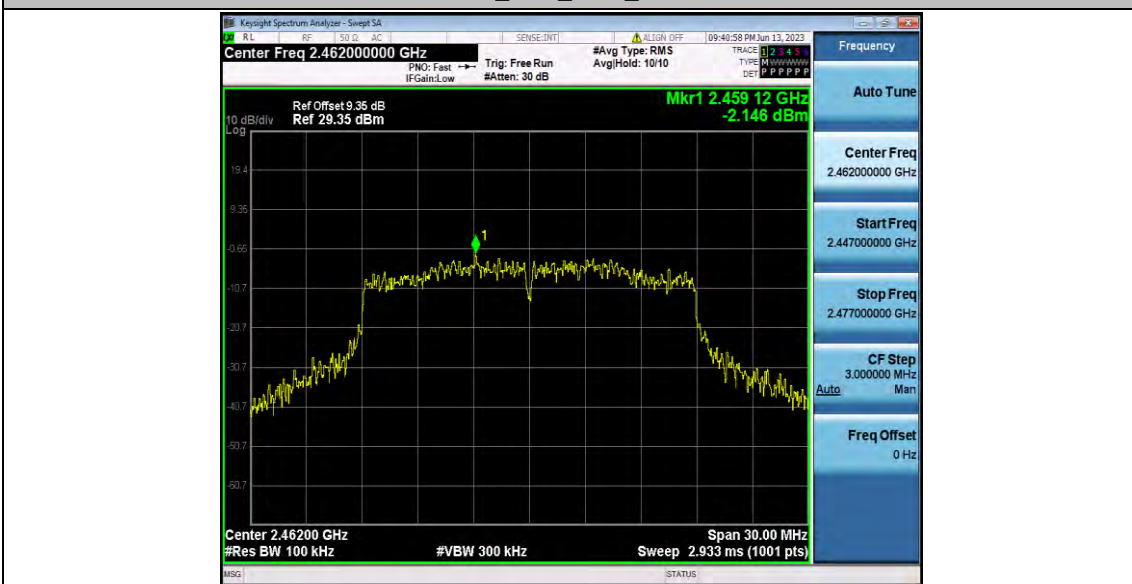
11N20SISO_Ant2_2437_0~Reference



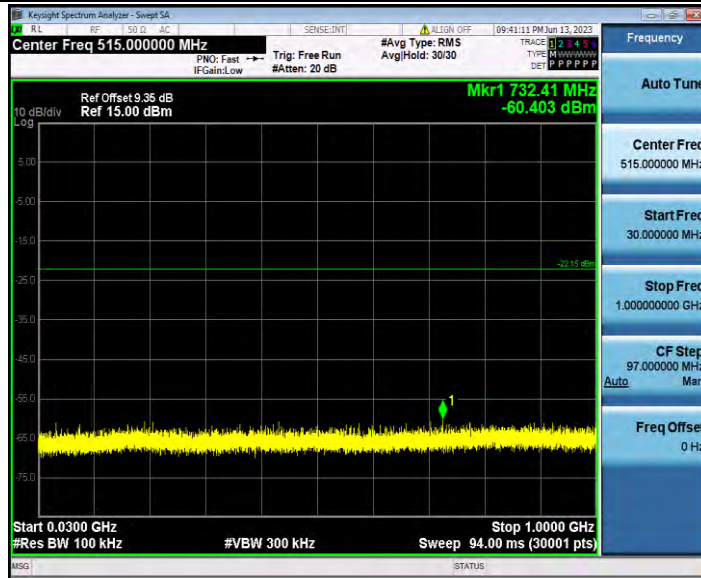
11N20SISO_Ant2_2437_30~1000



11N20SISO_Ant2_2437_1000~26500



11N20SISO_Ant2_2462_0~Reference



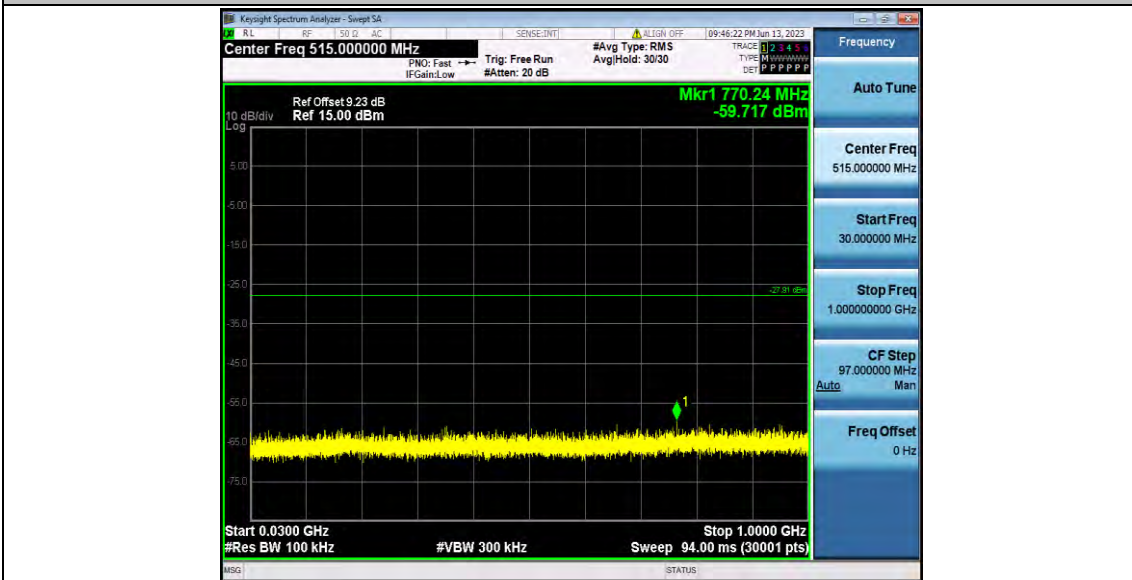
11N20SISO_Ant2_2462_30~1000



11N20SISO_Ant2_2462_1000~26500



11N40SISO_Ant2_2422_0-Reference



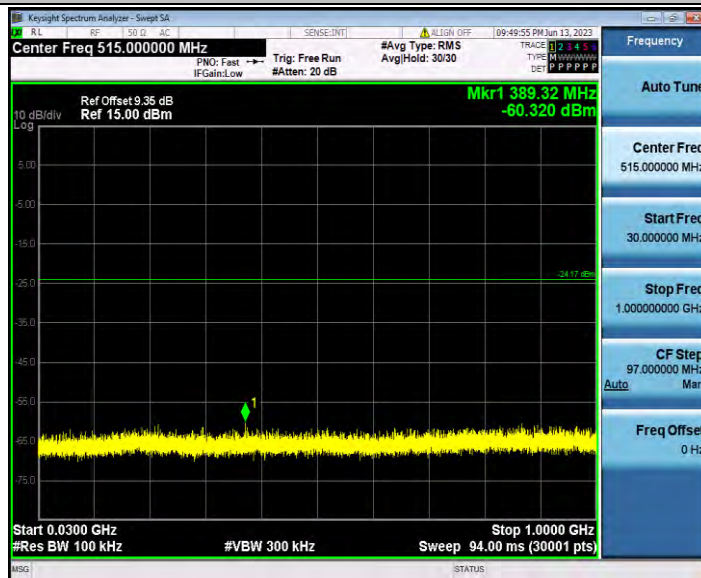
11N40SISO_Ant2_2422_30~1000



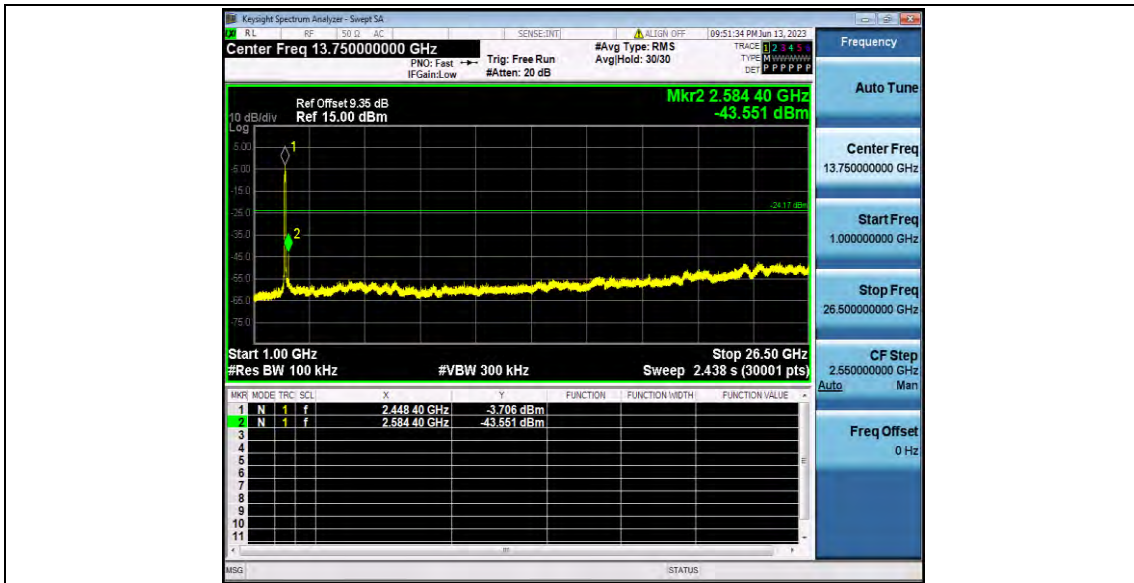
11N40SISO_Ant2_2422_1000~26500



11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference

