

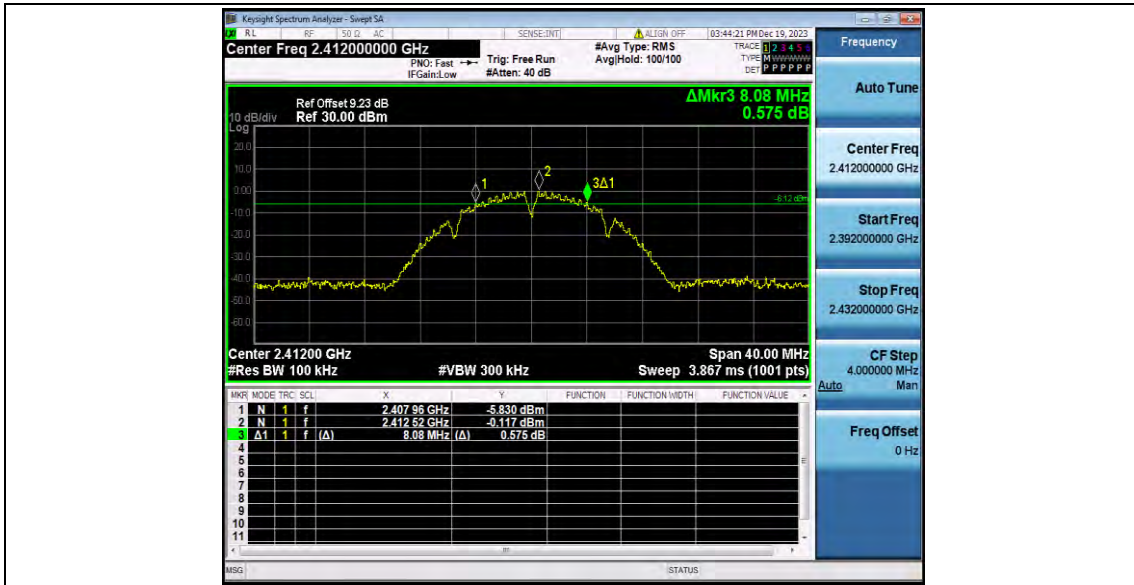
Case No. : <u>GTS20231018011-1-40</u>
Ambient Condition: <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.12.18</u> Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

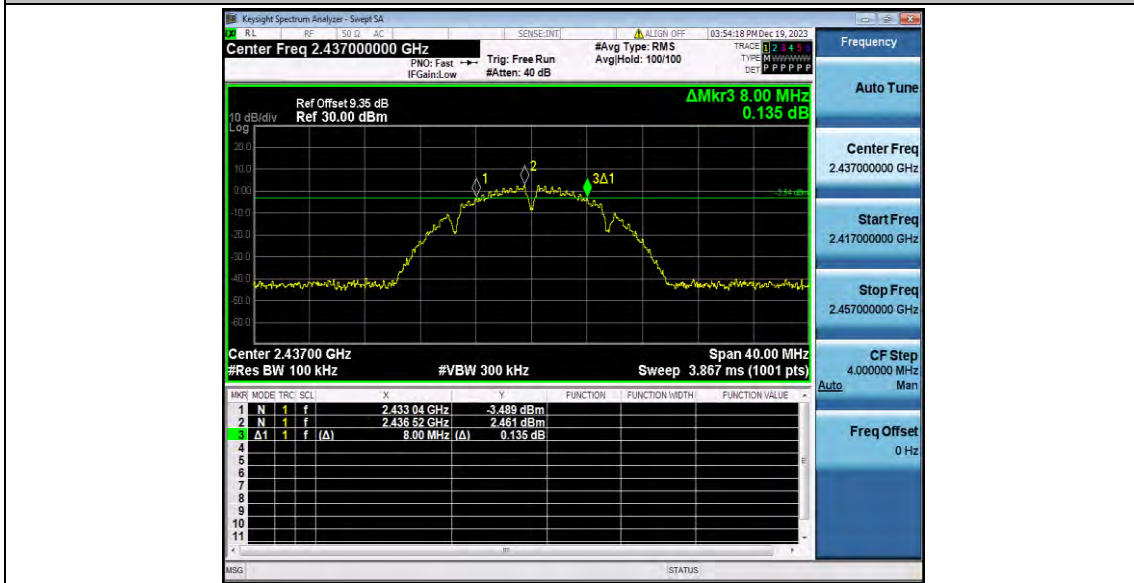
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	8.080	2407.960	2416.040	0.5	PASS
		2437	8.000	2433.040	2441.040	0.5	PASS
		2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant0	2412	15.720	2404.440	2420.160	0.5	PASS
		2437	15.720	2429.440	2445.160	0.5	PASS
		2462	16.240	2453.840	2470.080	0.5	PASS
11N20SISO	Ant0	2412	15.360	2404.440	2419.800	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	15.720	2454.200	2469.920	0.5	PASS
11AX20SISO	Ant0	2412	16.720	2404.440	2421.160	0.5	PASS
		2437	18.560	2427.680	2446.240	0.5	PASS
		2462	18.280	2453.280	2471.560	0.5	PASS

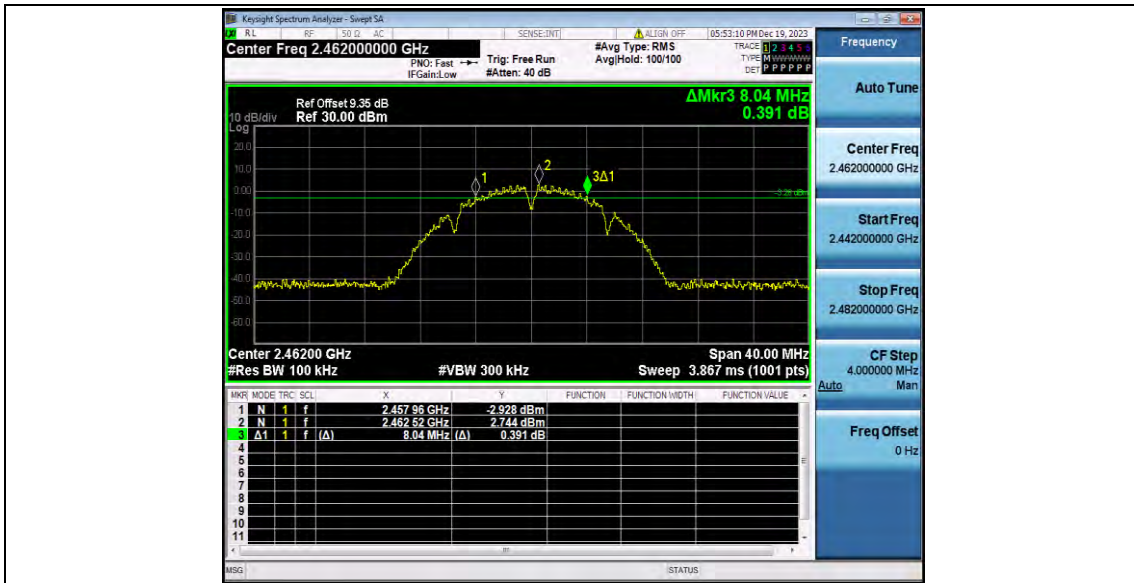
Test Graphs



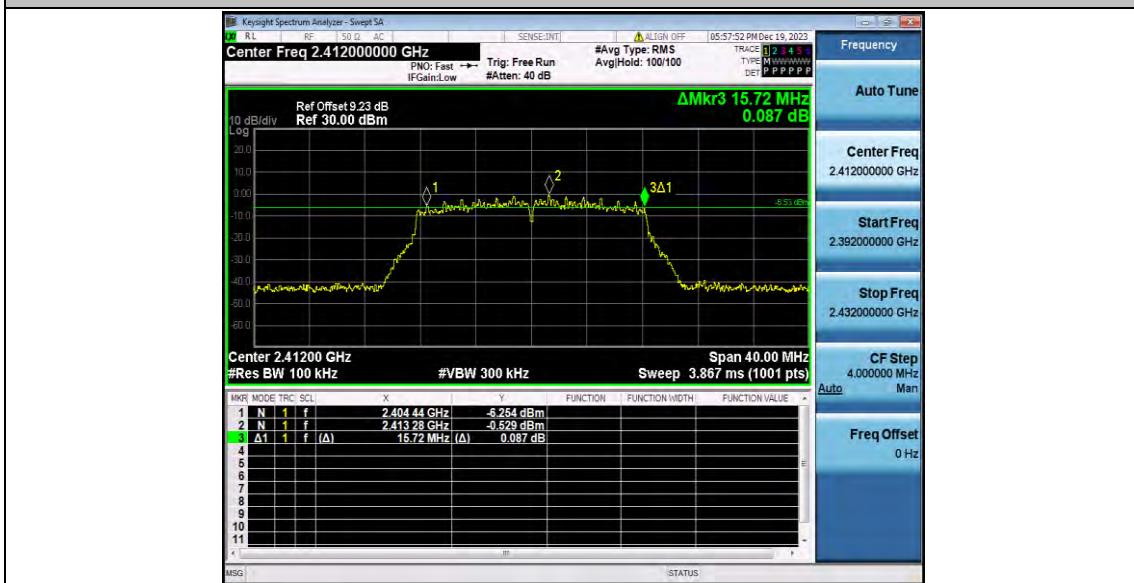
11B_Ant0_2412



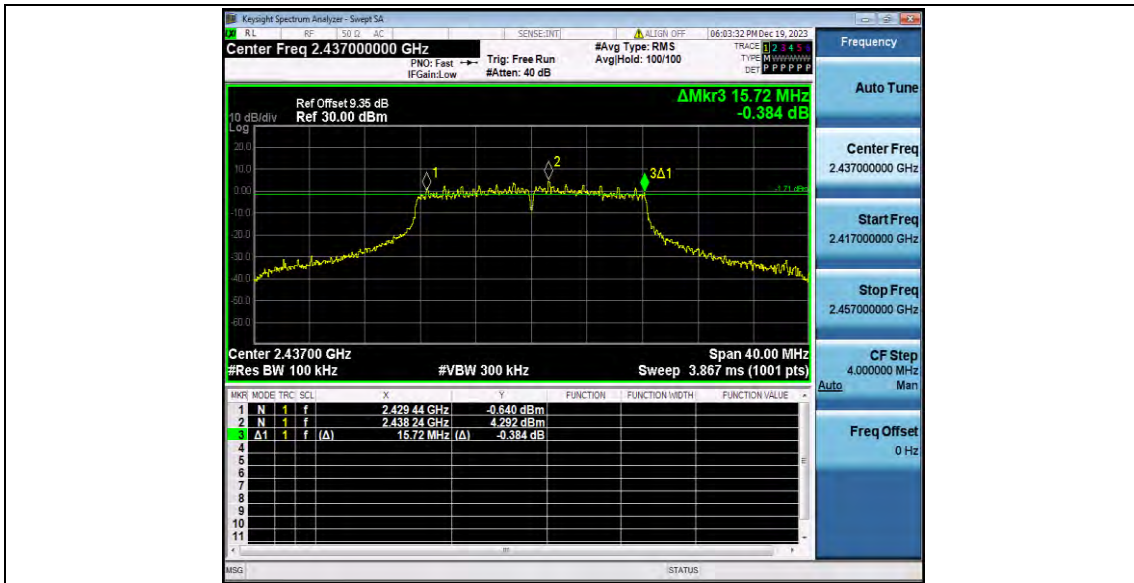
11B_Ant0_2437



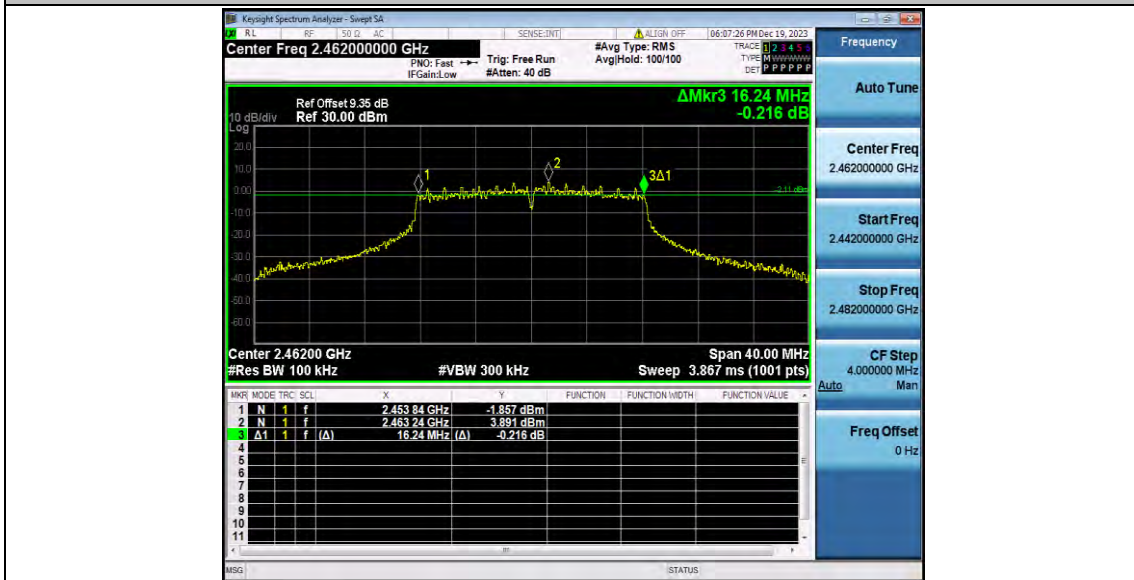
11B_Ant0_2462



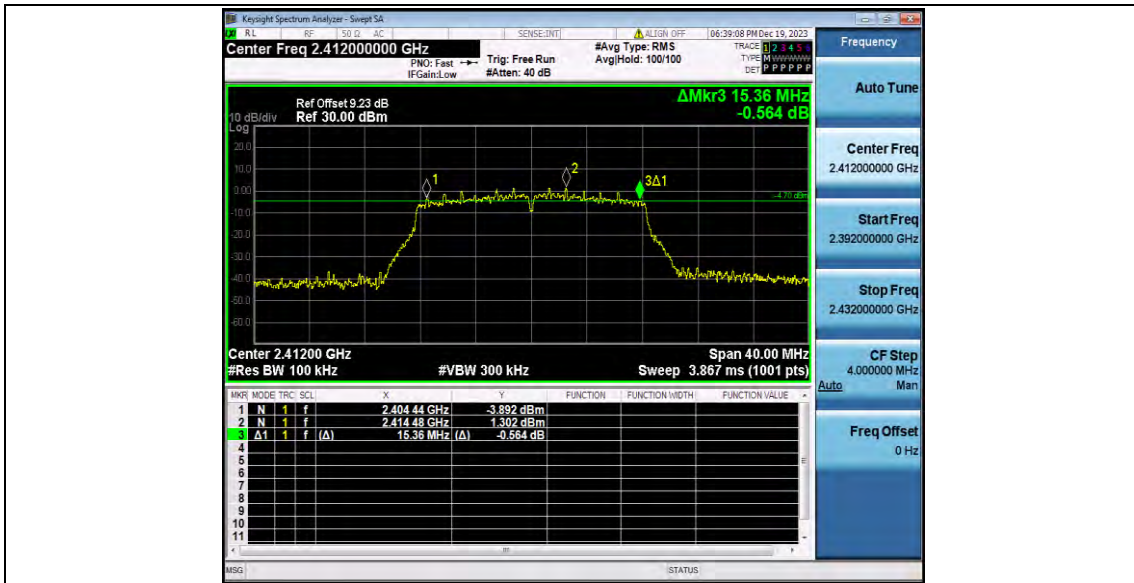
11G_Ant0_2412



11G_Ant0_2437



11G_Ant0_2462



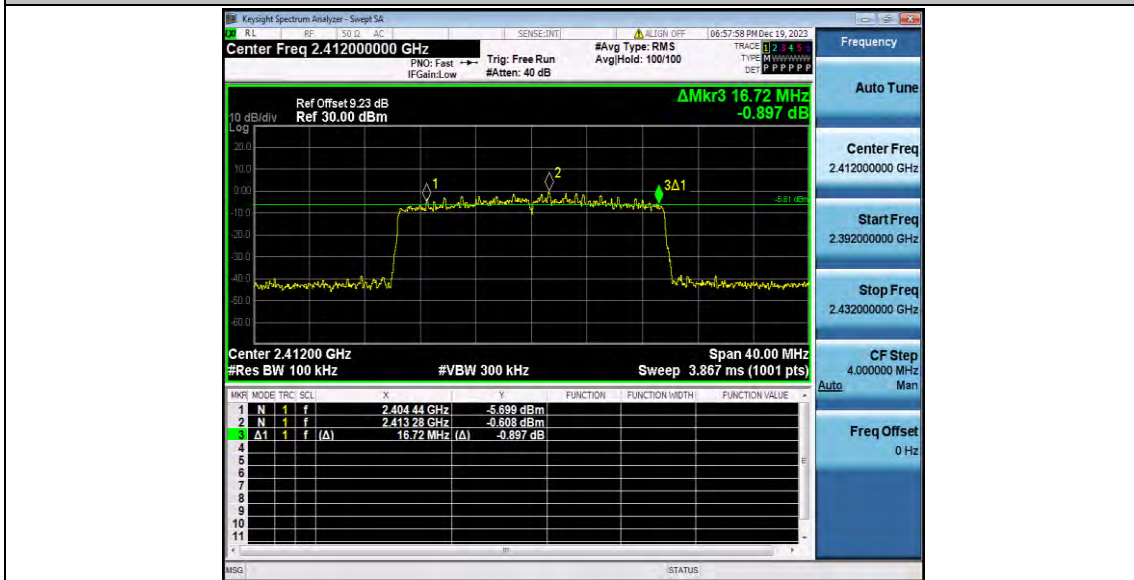
11N20SISO_Ant0_2412



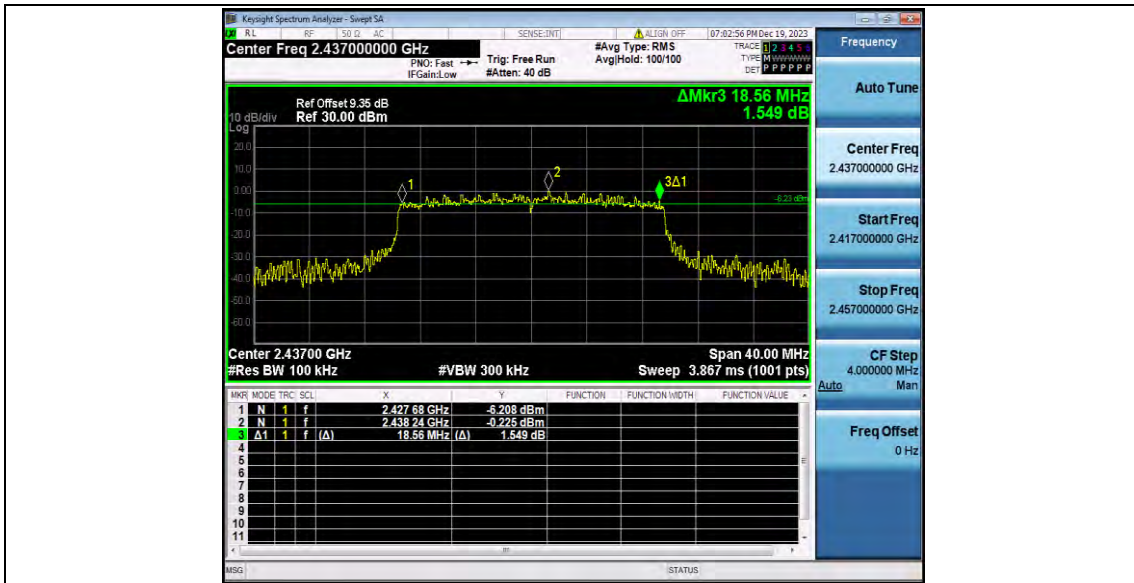
11N20SISO_Ant0_2437



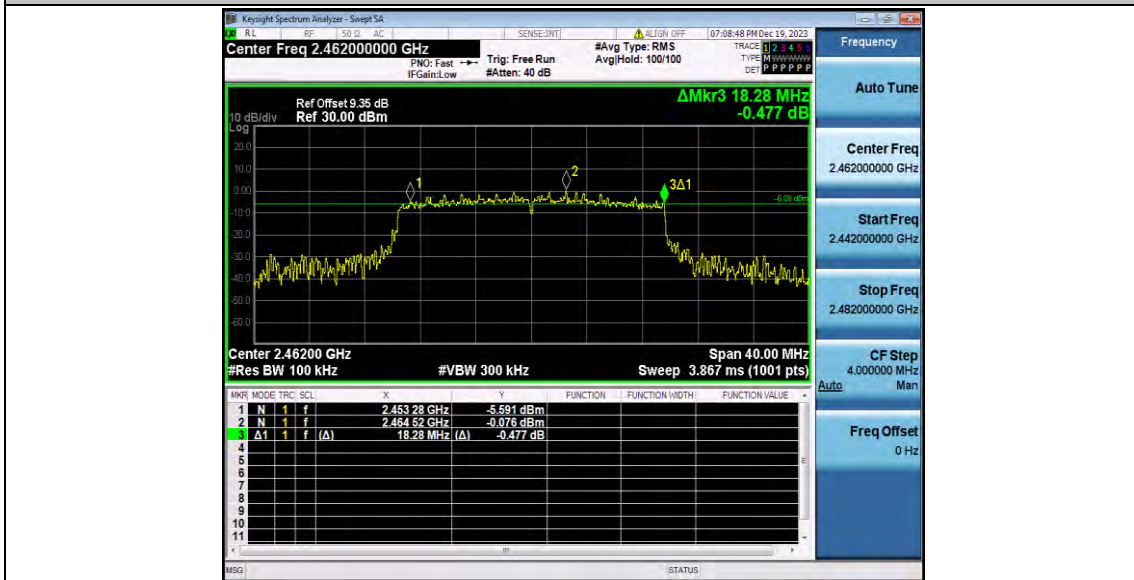
11N20SISO_Ant0_2462



11AX20SISO_Ant0_2412



11AX20SISO_Ant0_2437



11AX20SISO_Ant0_2462

Appendix C.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	12.914	2405.610	2418.524	---	---
		2437	12.718	2430.658	2443.376	---	---
		2462	12.640	2455.692	2468.332	---	---
11G	Ant0	2412	16.655	2403.688	2420.343	---	---
		2437	17.236	2428.339	2445.575	---	---
		2462	17.199	2453.353	2470.552	---	---
11N20SISO	Ant0	2412	16.657	2403.706	2420.363	---	---
		2437	17.235	2428.389	2445.624	---	---
		2462	17.308	2453.298	2470.606	---	---
11AX20SISO	Ant0	2412	18.913	2402.574	2421.487	---	---
		2437	19.138	2427.477	2446.615	---	---
		2462	19.129	2452.446	2471.575	---	---

Test Graphs



11B_Ant0_2412



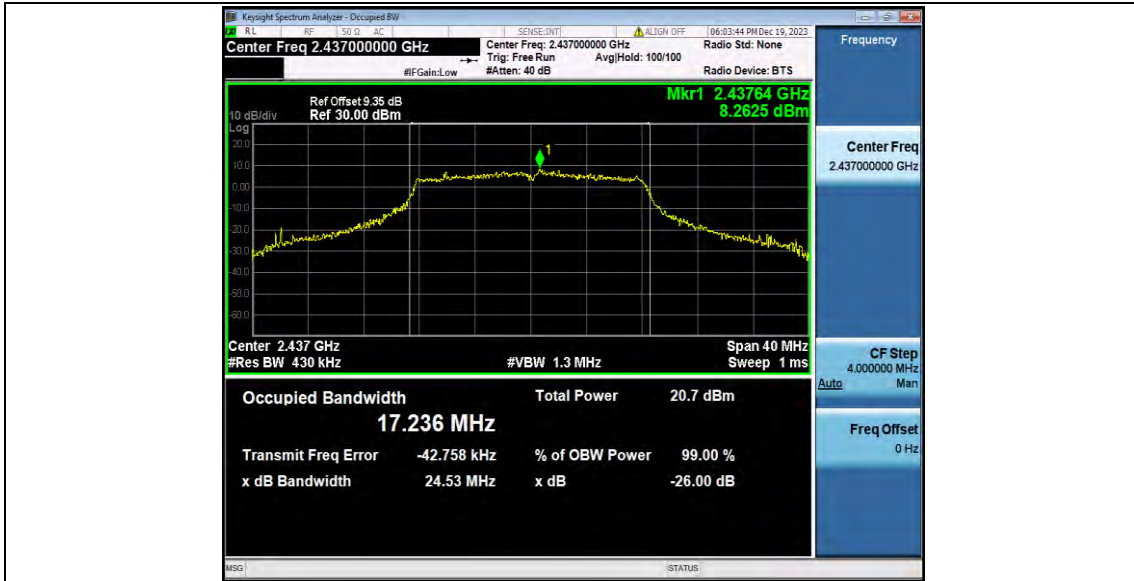
11B_Ant0_2437



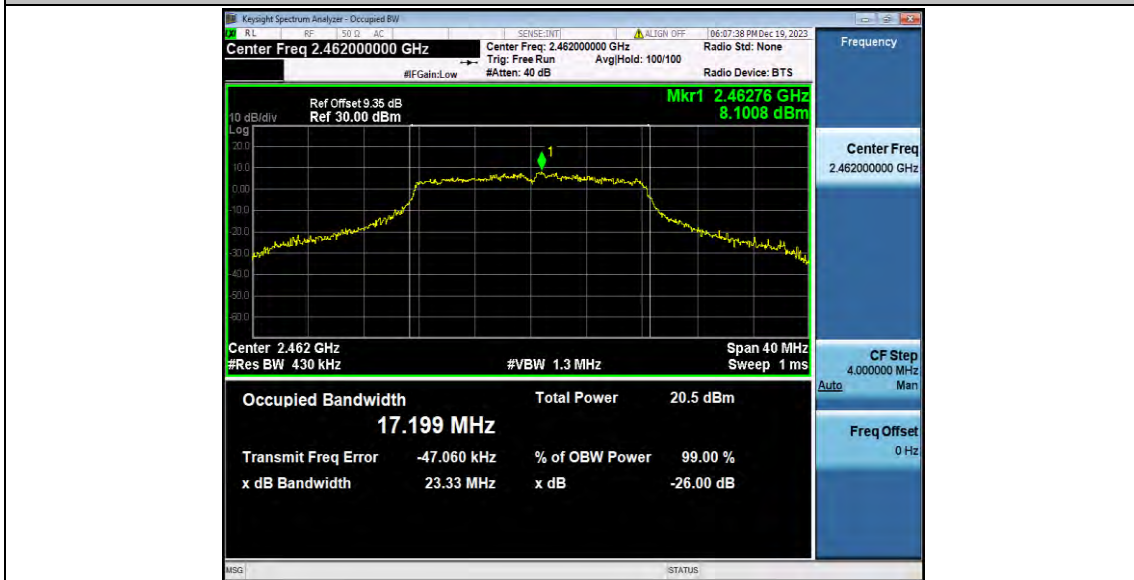
11B_Ant0_2462



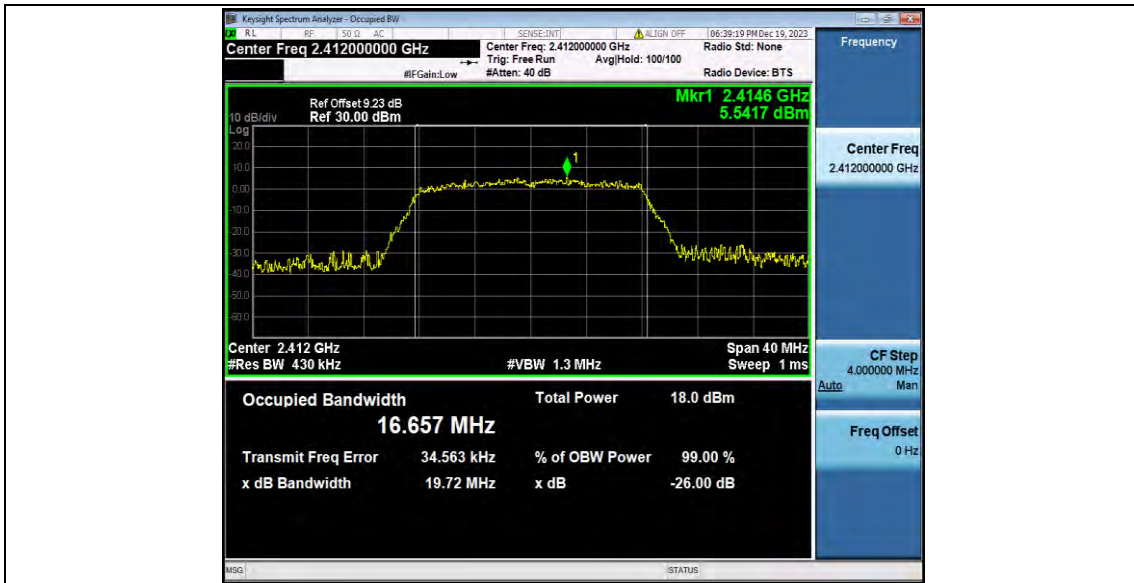
11G_Ant0_2412



11G_Ant0_2437



11G_Ant0_2462



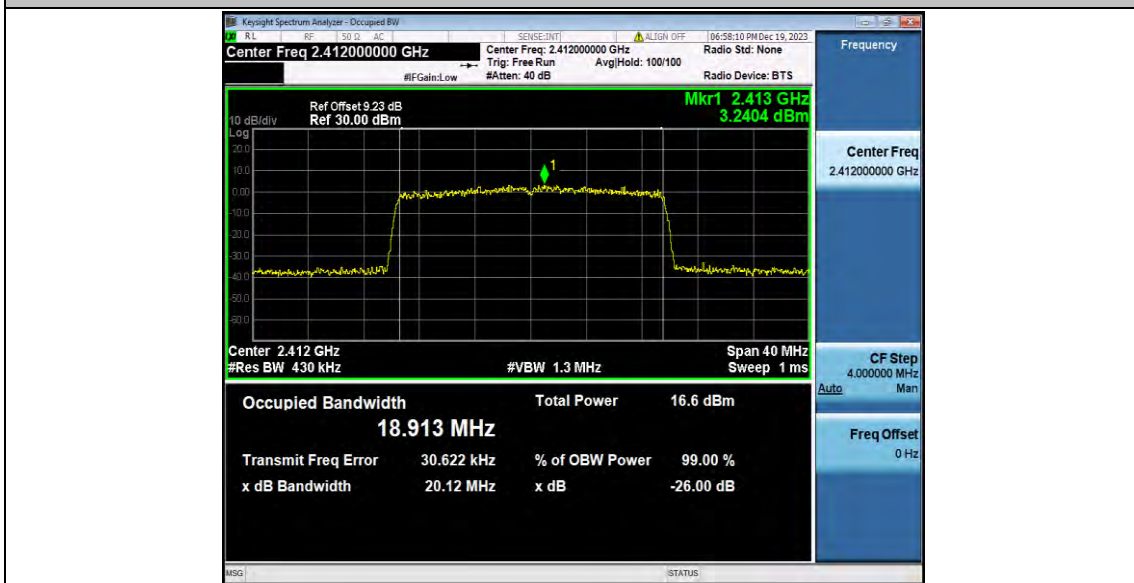
11N20SISO_Ant0_2412



11N20SISO_Ant0_2437



11N20SISO_Ant0_2462



11AX20SISO_Ant0_2412



11AX20SISO_Ant0_2437



11AX20SISO_Ant0_2462

Appendix C.3: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant0	2412	11.79	≤30.00	PASS
		2437	14.36	≤30.00	PASS
		2462	14.69	≤30.00	PASS
11G	Ant0	2412	17.06	≤30.00	PASS
		2437	21.81	≤30.00	PASS
		2462	21.50	≤30.00	PASS
11N20SISO	Ant0	2412	18.88	≤30.00	PASS
		2437	19.39	≤30.00	PASS
		2462	19.64	≤30.00	PASS
11AX20SISO	Ant0	2412	17.18	≤30.00	PASS
		2437	17.95	≤30.00	PASS
		2462	17.87	≤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	Ant0	2412	-16.11	≤8.00	PASS
		2437	-3.18	≤8.00	PASS
		2462	-13.7	≤8.00	PASS
11G	Ant0	2412	-16.69	≤8.00	PASS
		2437	-12.05	≤8.00	PASS
		2462	-11.64	≤8.00	PASS
11N20SISO	Ant0	2412	-14.05	≤8.00	PASS
		2437	-12.74	≤8.00	PASS
		2462	-13.57	≤8.00	PASS
11AX20SISO	Ant0	2412	-16.46	≤8.00	PASS
		2437	-15.29	≤8.00	PASS
		2462	-14.02	≤8.00	PASS

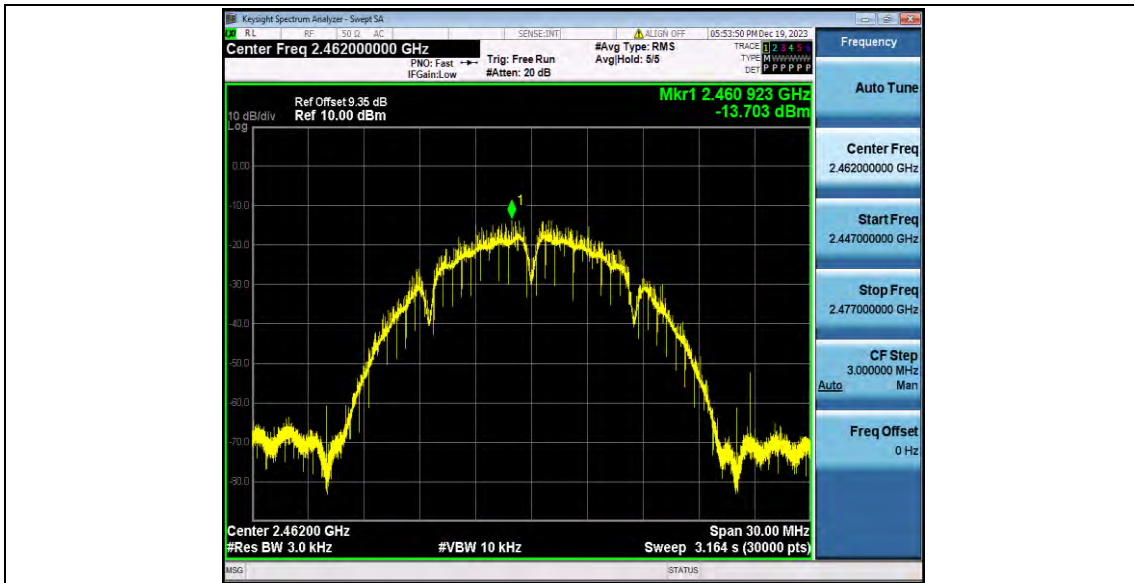
Test Graphs



11B_Ant0_2412



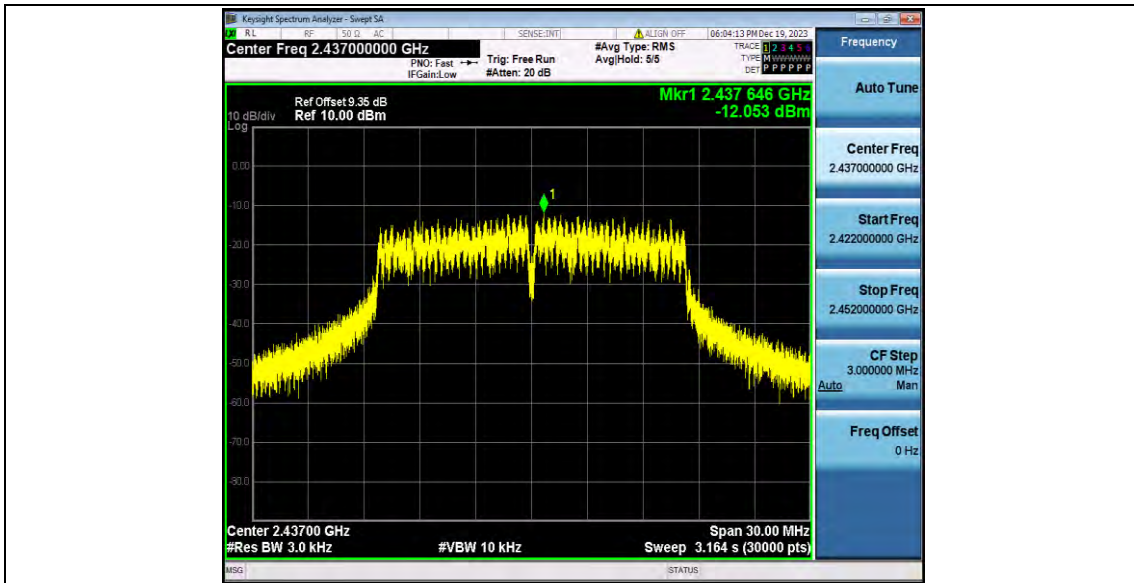
11B_Ant0_2437



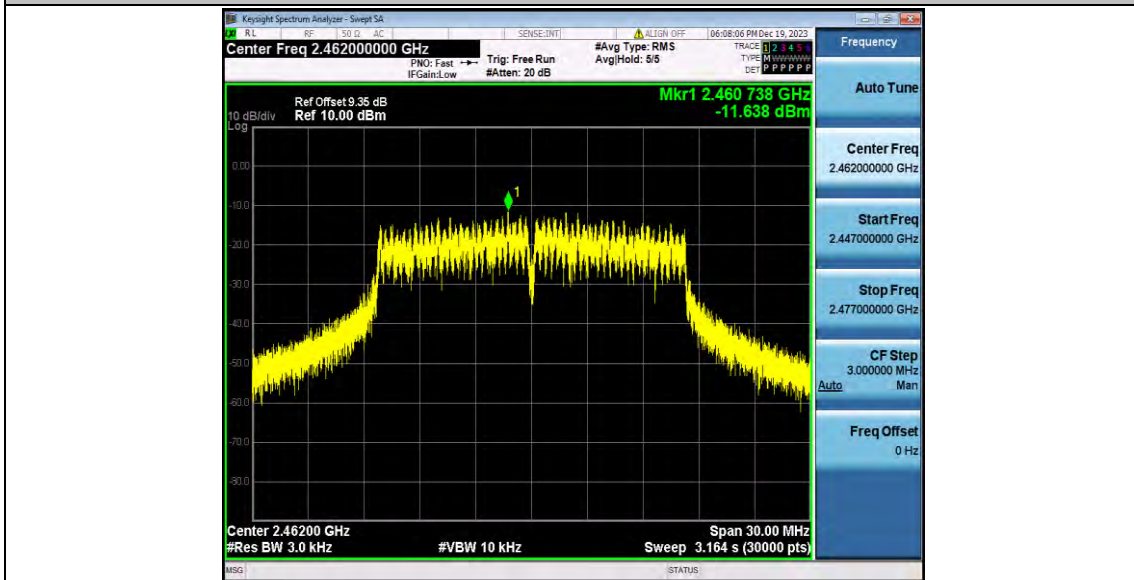
11B_Ant0_2462



11G_Ant0_2412



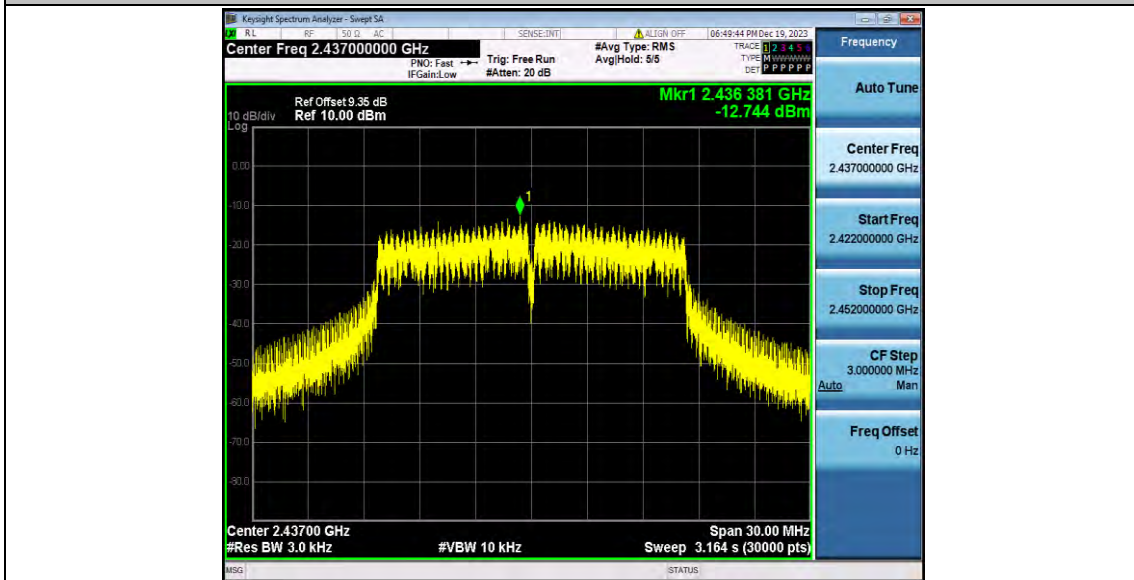
11G_Ant0_2437



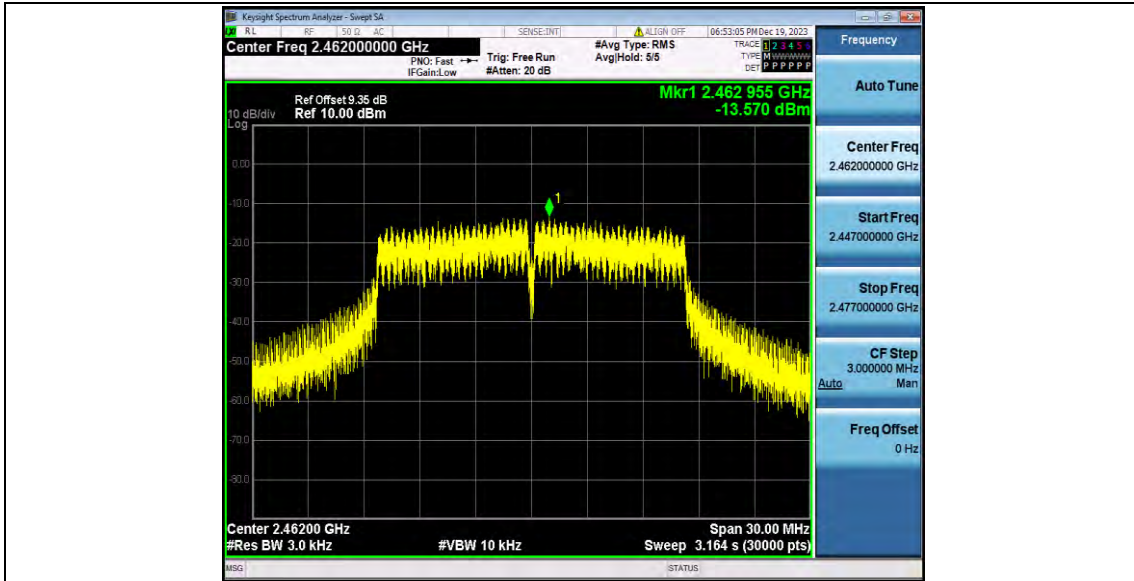
11G_Ant0_2462



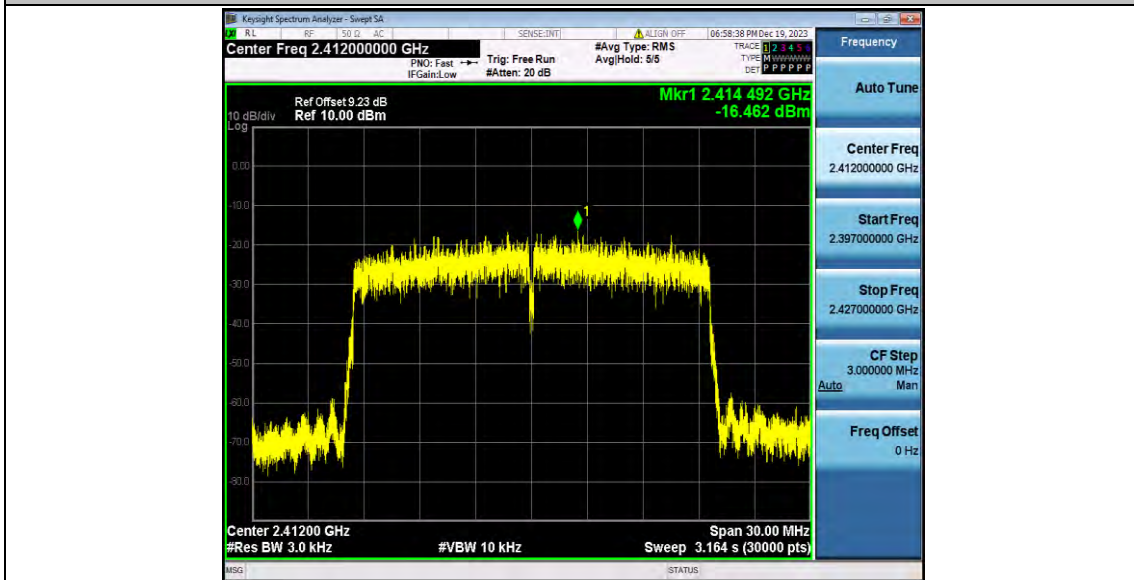
11N20SISO_Ant0_2412



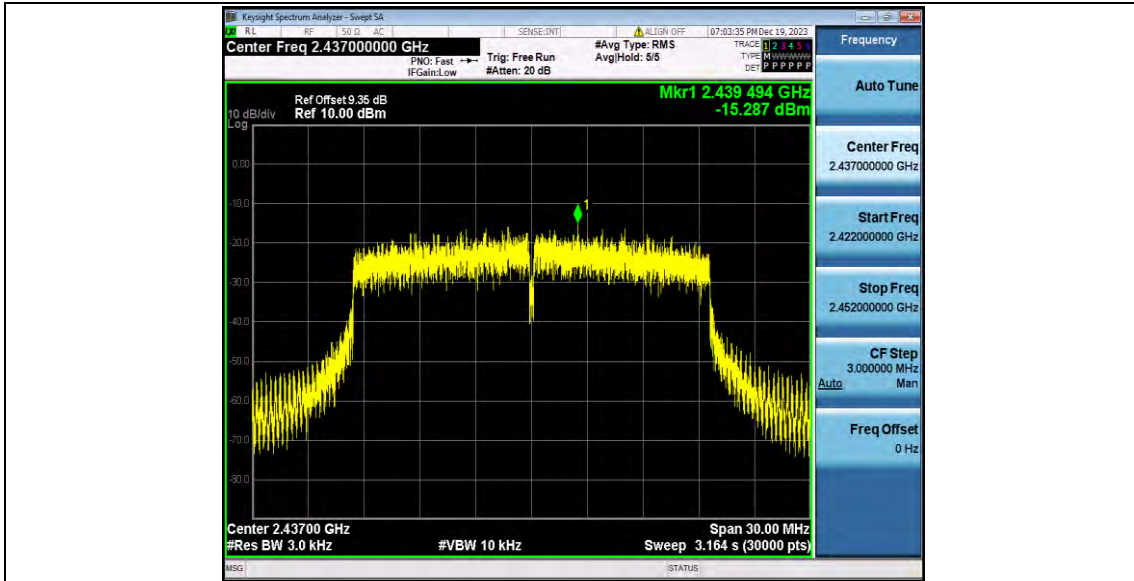
11N20SISO_Ant0_2437



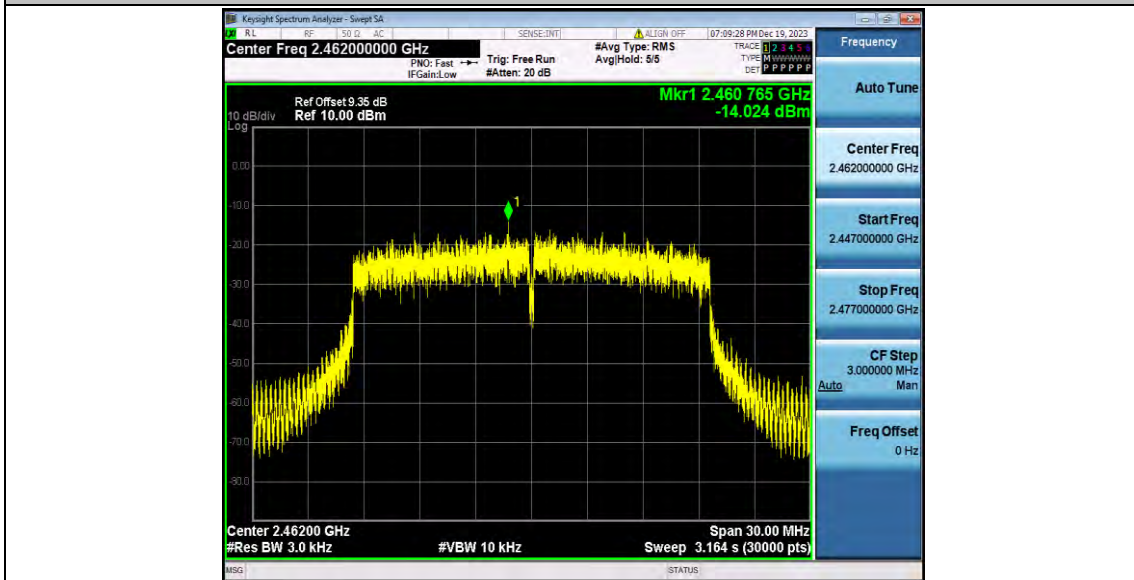
11N20SISO_Ant0_2462



11AX20SISO_Ant0_2412



11AX20SISO_Ant0_2437



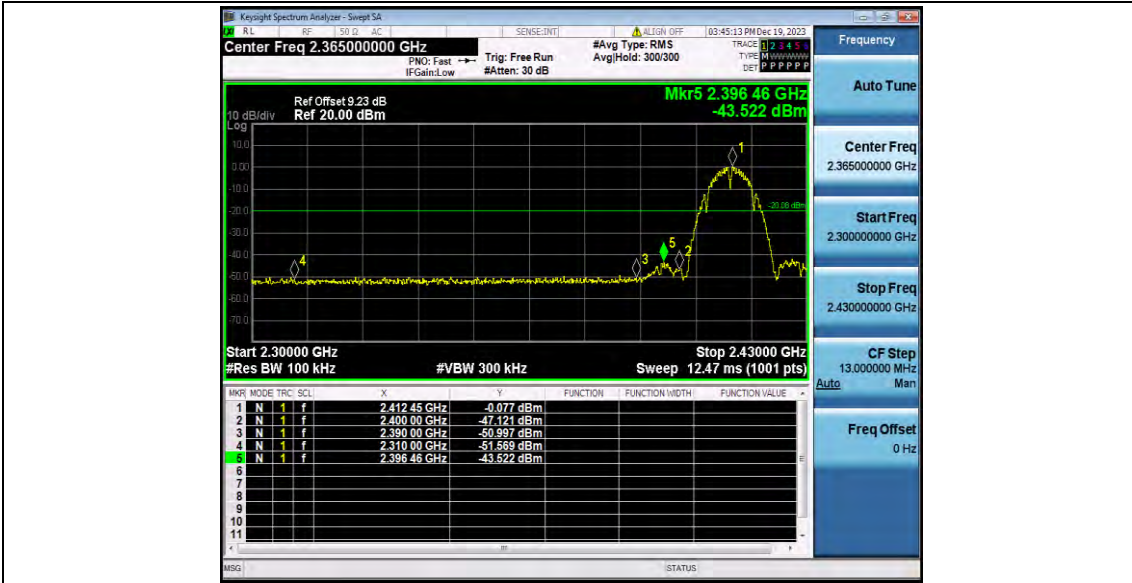
11AX20SISO_Ant0_2462

Appendix C.5: Band edge measurements

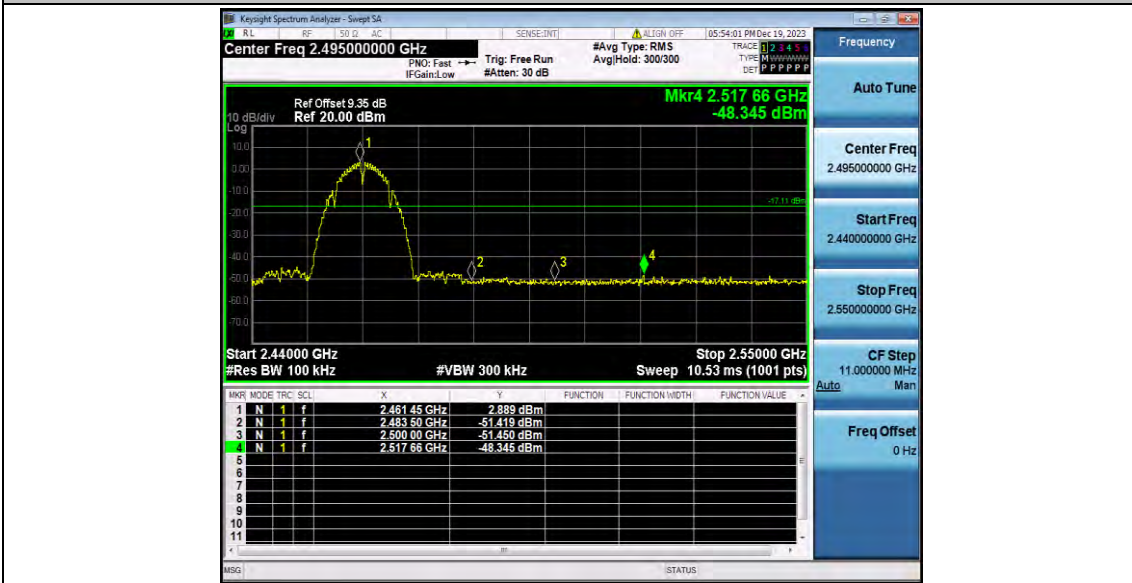
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	-0.08	-43.52	≤ -20.08	PASS
		High	2462	2.89	-48.35	≤ -17.11	PASS
11G	Ant0	Low	2412	-0.53	-45.36	≤ -20.53	PASS
		High	2462	4.11	-48.05	≤ -15.89	PASS
11N20SISO	Ant0	Low	2412	1.85	-37.93	≤ -18.16	PASS
		High	2462	2.92	-42.36	≤ -17.08	PASS
11AX20SISO	Ant0	Low	2412	-0.68	-44.15	≤ -20.68	PASS
		High	2462	-0.06	-48.05	≤ -20.06	PASS

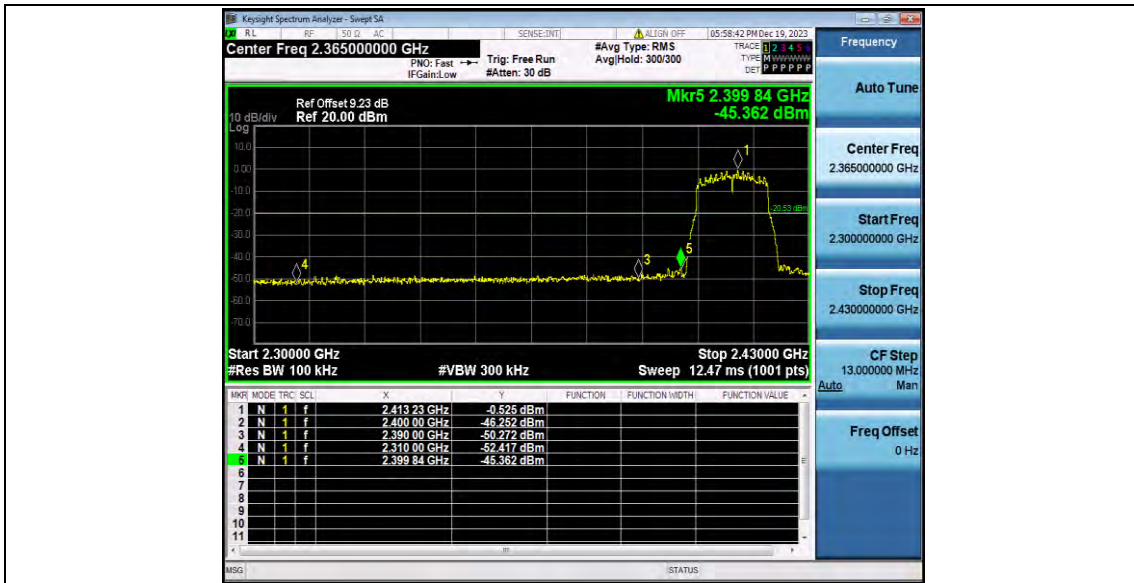
Test Graphs



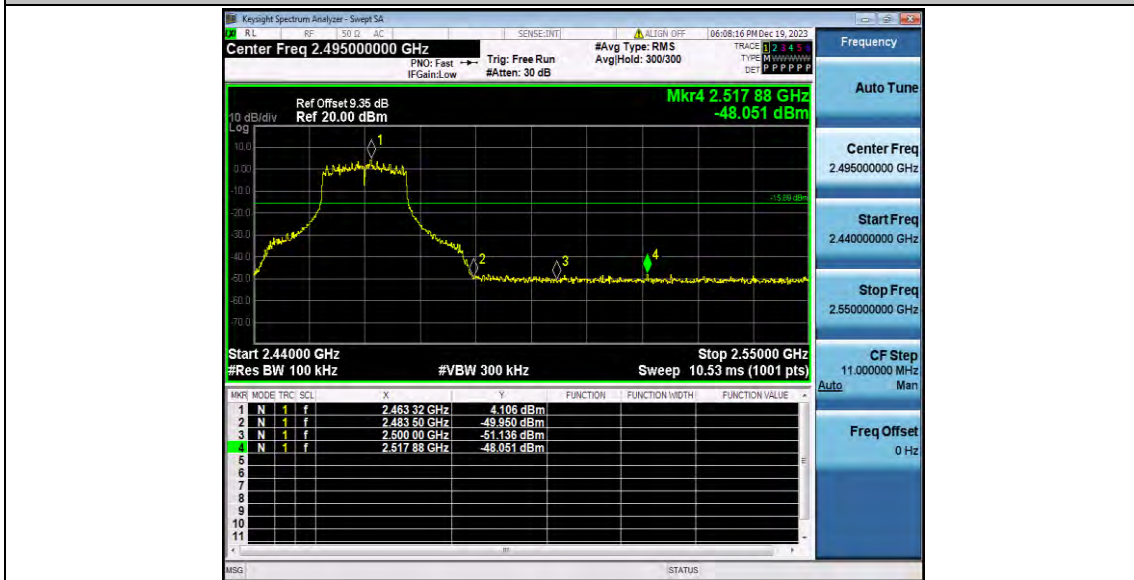
11B_Ant0_Low_2412



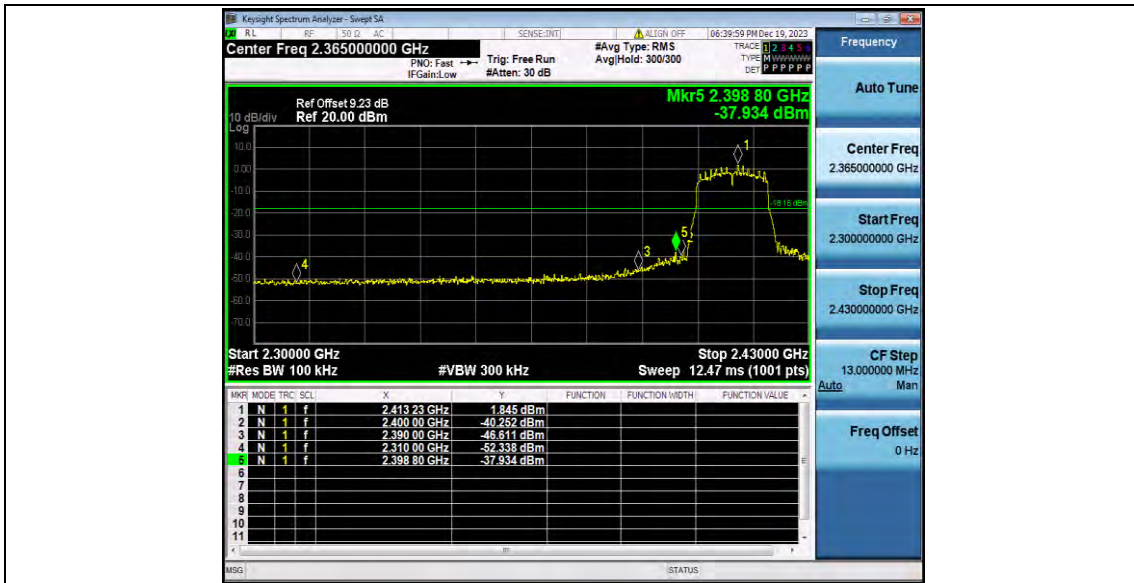
11B_Ant0_High_2462



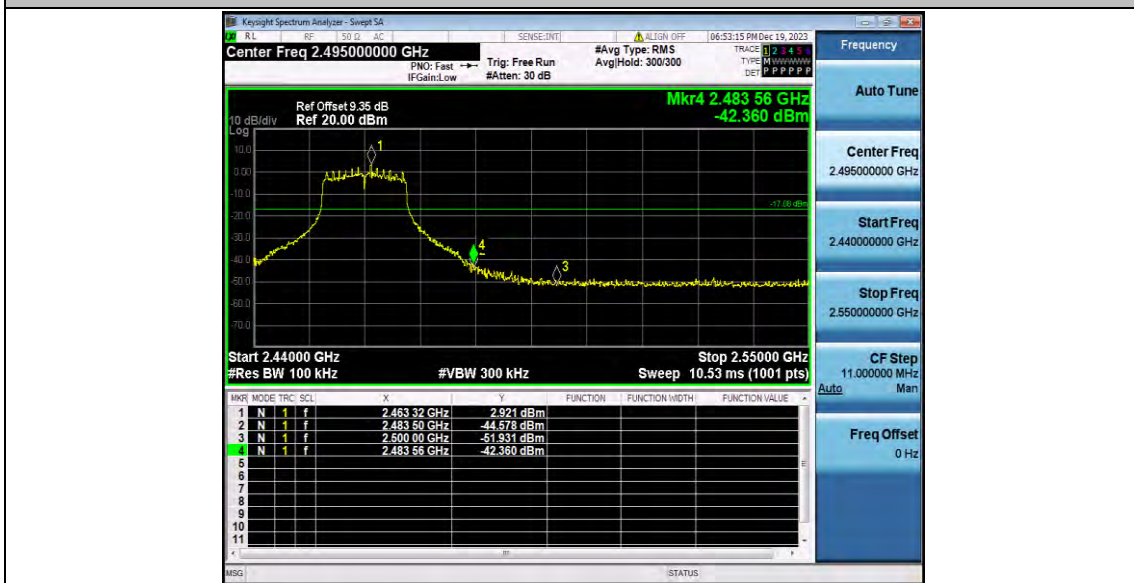
11G_Ant0_Low_2412



11G_Ant0_High_2462



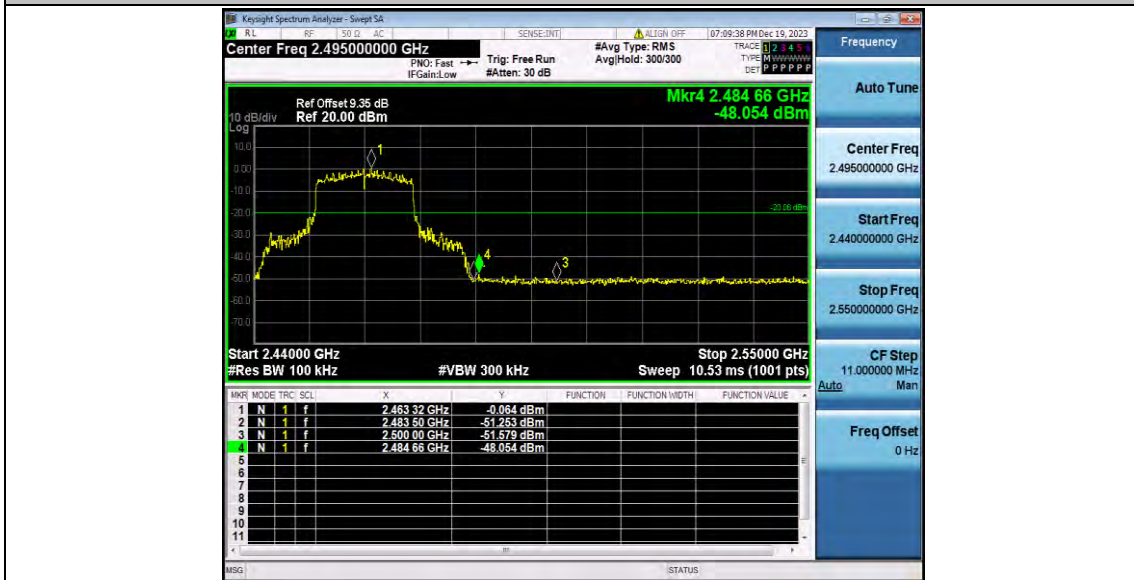
11N20SISO_Ant0_Low_2412



11N20SISO_Ant0_High_2462



11AX20SISO_Ant0_Low_2412



11AX20SISO_Ant0_High_2462

Appendix C.6: Conducted Spurious Emission

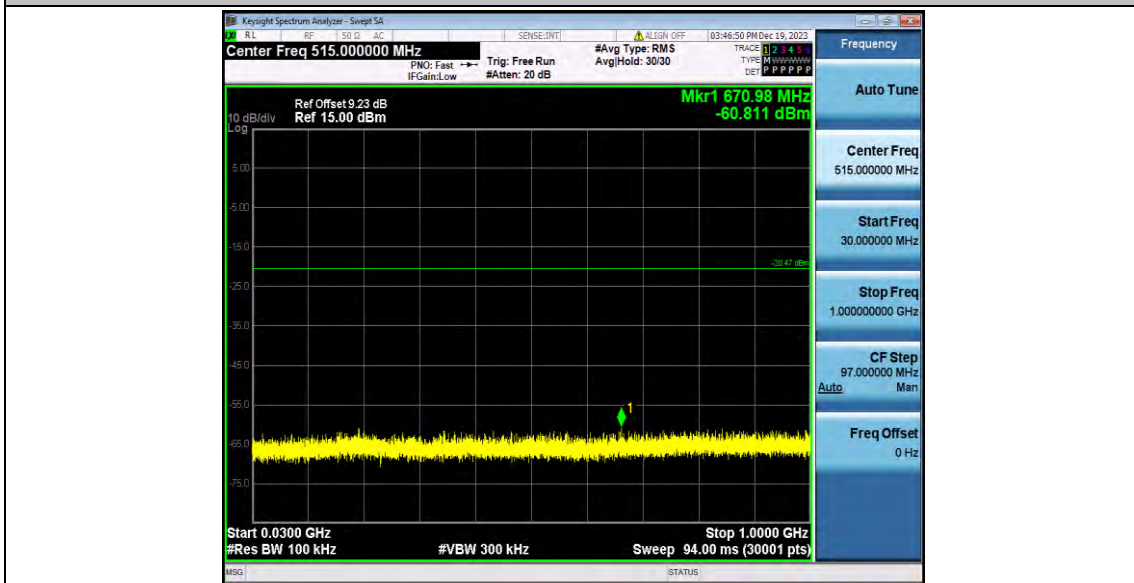
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	-0.47	-0.47	---	PASS
			30~1000	-0.47	-60.81	≤-20.47	PASS
			1000~26500	-0.47	-45.1	≤-20.47	PASS
		2437	Reference	2.16	2.16	---	PASS
			30~1000	2.16	-50.14	≤-17.84	PASS
			1000~26500	2.16	-43.06	≤-17.84	PASS
		2462	Reference	2.68	2.68	---	PASS
			30~1000	2.68	-60.2	≤-17.32	PASS
			1000~26500	2.68	-42.04	≤-17.32	PASS
11G	Ant0	2412	Reference	-2.02	-2.02	---	PASS
			30~1000	-2.02	-59.9	≤-22.02	PASS
			1000~26500	-2.02	-47.19	≤-22.02	PASS
		2437	Reference	2.54	2.54	---	PASS
			30~1000	2.54	-59.13	≤-17.46	PASS
			1000~26500	2.54	-47.34	≤-17.46	PASS
		2462	Reference	3.25	3.25	---	PASS
			30~1000	3.25	-59.17	≤-16.75	PASS
			1000~26500	3.25	-47.84	≤-16.75	PASS
11N20SISO	Ant0	2412	Reference	-2.04	-2.04	---	PASS
			30~1000	-2.04	-60	≤-22.04	PASS
			1000~26500	-2.04	-47.51	≤-22.04	PASS
		2437	Reference	1.67	1.67	---	PASS
			30~1000	1.67	-60.43	≤-18.33	PASS
			1000~26500	1.67	-47.22	≤-18.33	PASS
		2462	Reference	1.21	1.21	---	PASS
			30~1000	1.21	-60.4	≤-18.79	PASS
			1000~26500	1.21	-48.07	≤-18.79	PASS
11AX20SISO	Ant0	2412	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-60.56	≤-21.31	PASS
			1000~26500	-1.31	-47.9	≤-21.31	PASS
		2437	Reference	-0.95	-0.95	---	PASS
			30~1000	-0.95	-60.2	≤-20.95	PASS
			1000~26500	-0.95	-47.58	≤-20.95	PASS
		2462	Reference	-0.02	-0.02	---	PASS
			30~1000	-0.02	-60.23	≤-20.02	PASS
			1000~26500	-0.02	-47.75	≤-20.02	PASS

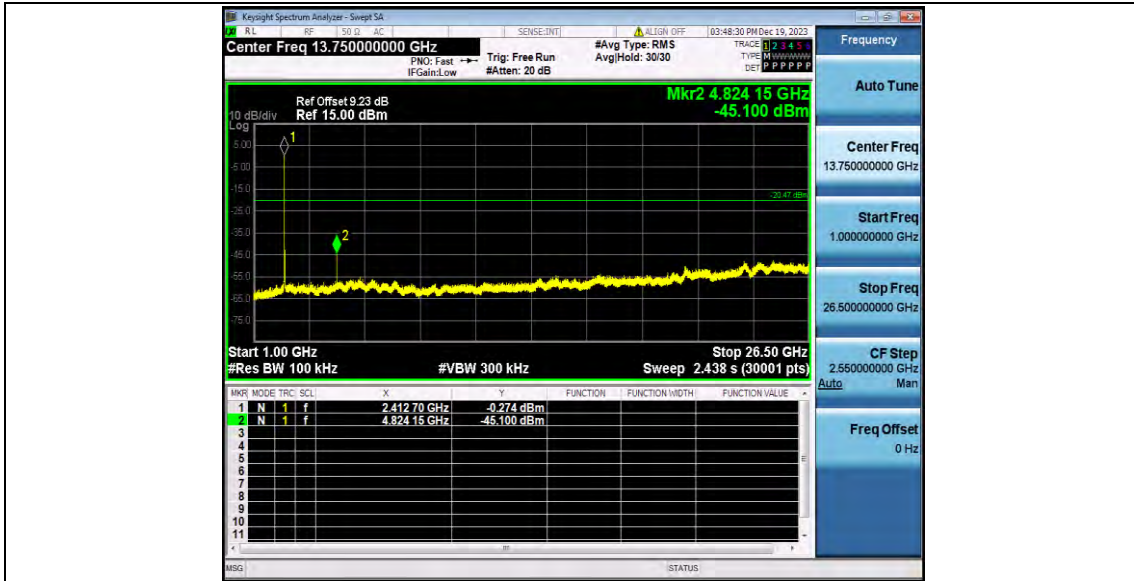
Test Graphs



11B_Ant0_2412_0~Reference



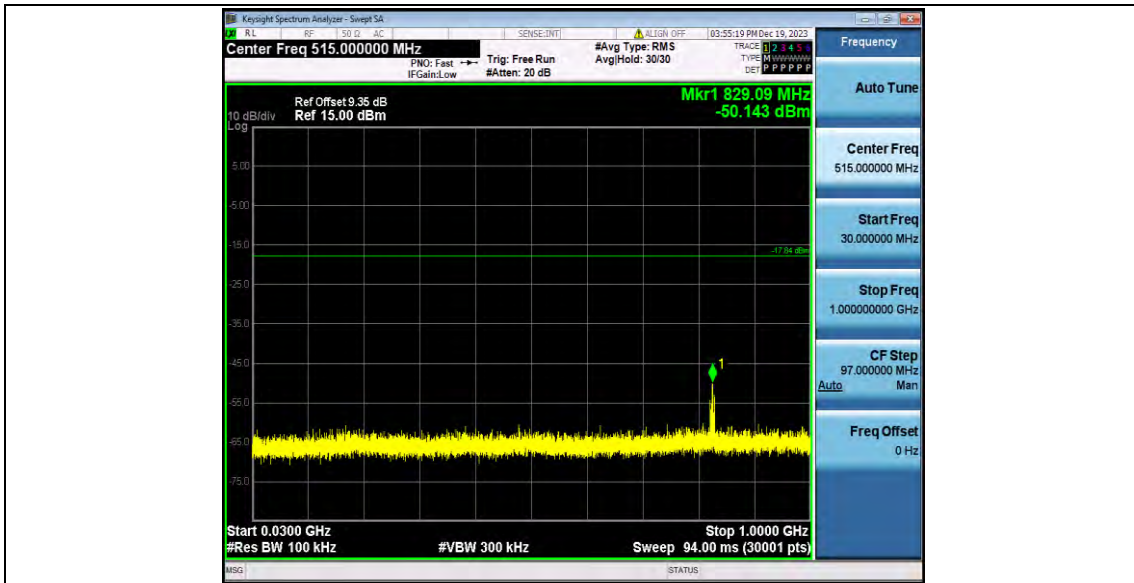
11B_Ant0_2412_30~1000



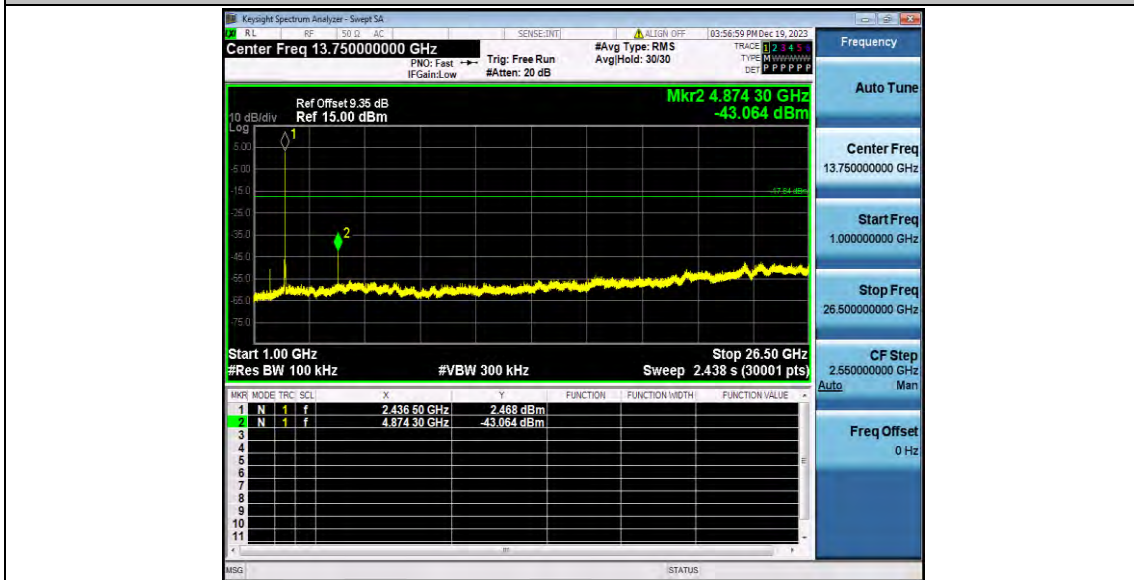
11B_Ant0_2412_1000~26500



11B_Ant0_2437_0~Reference



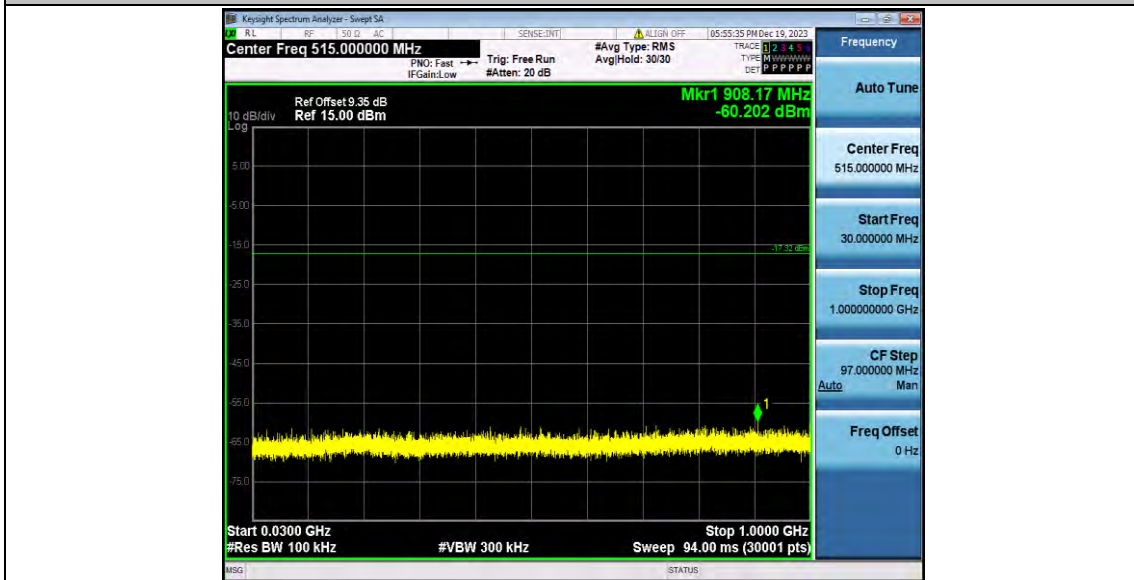
11B_Ant0_2437_30~1000



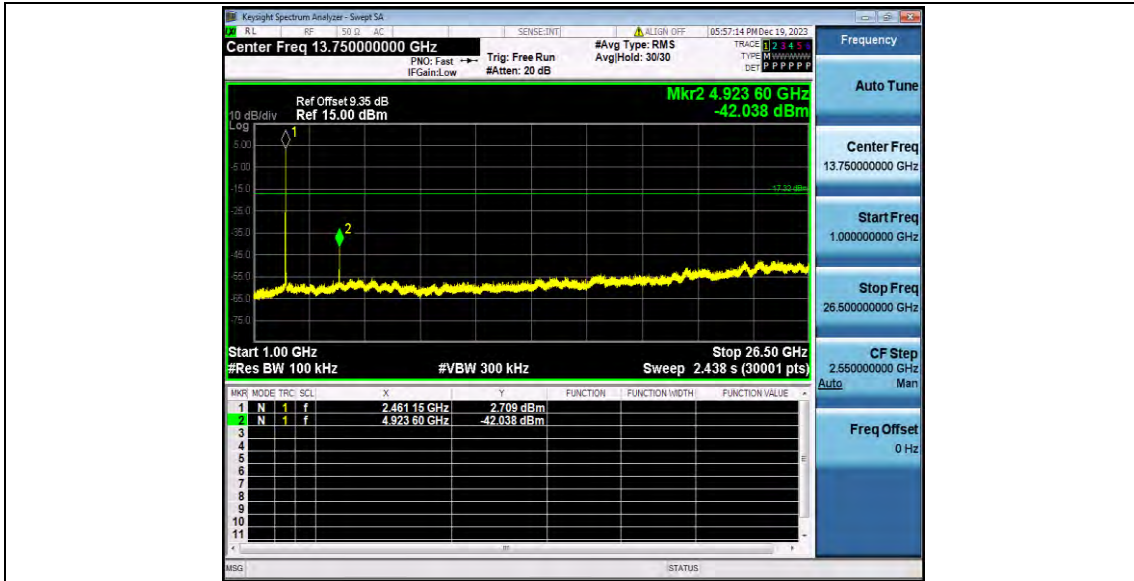
11B_Ant0_2437_1000~26500



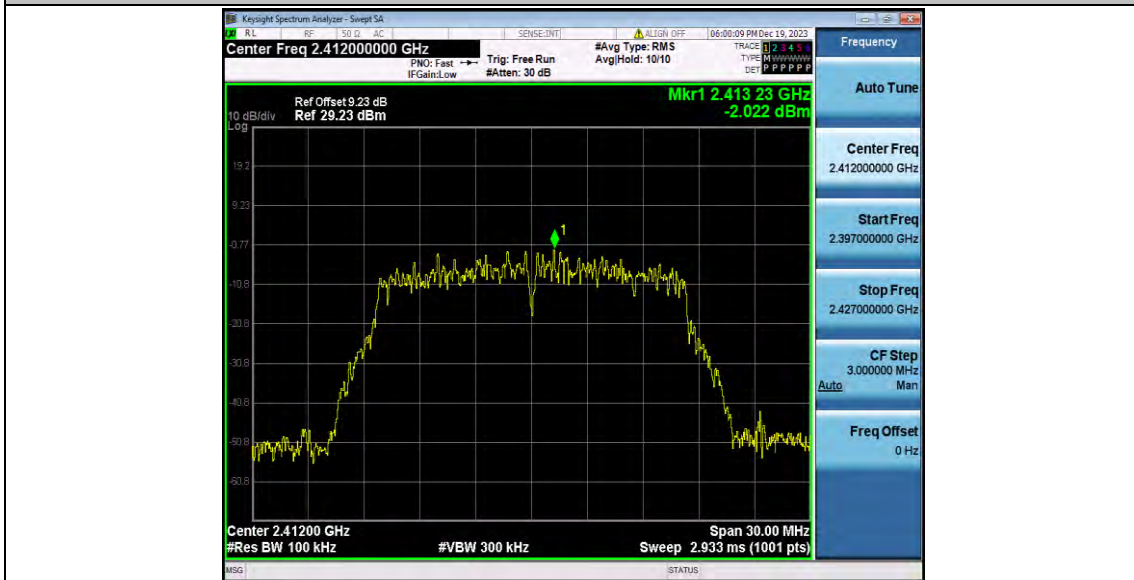
11B_Ant0_2462_0~Reference



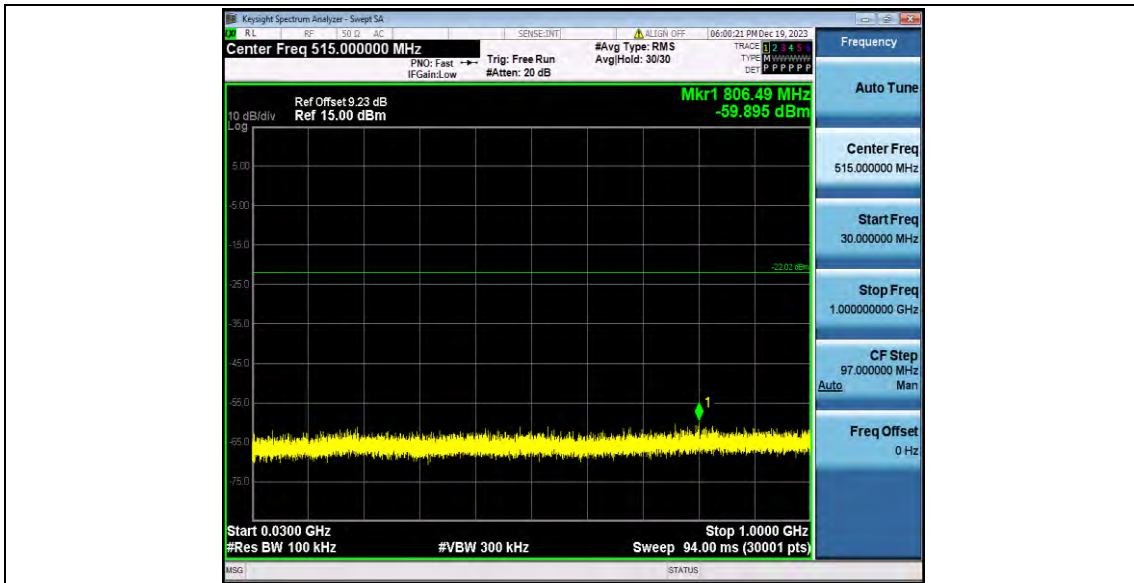
11B_Ant0_2462_30~1000



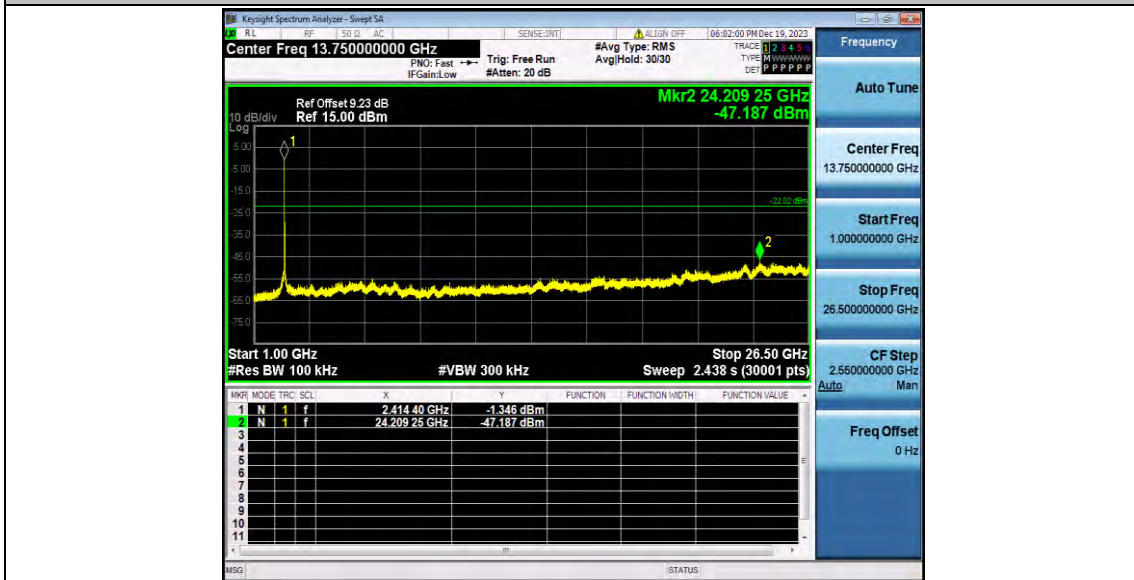
11B_Ant0_2462_1000~26500



11G_Ant0_2412_0~Reference



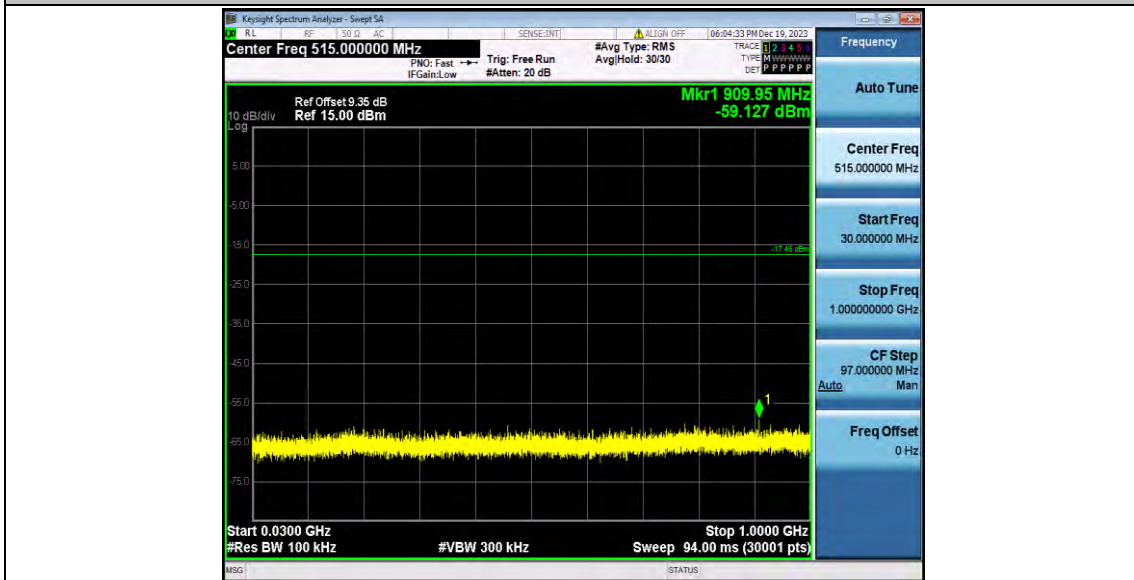
11G_Ant0_2412_30~1000



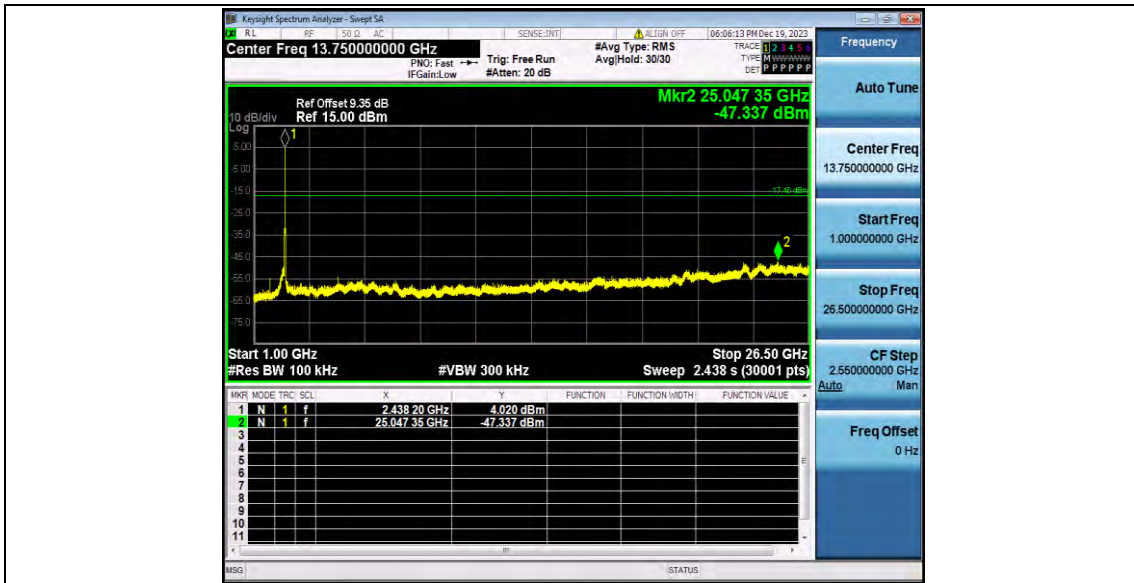
11G_Ant0_2412_1000~26500



11G_Ant0_2437_0~Reference



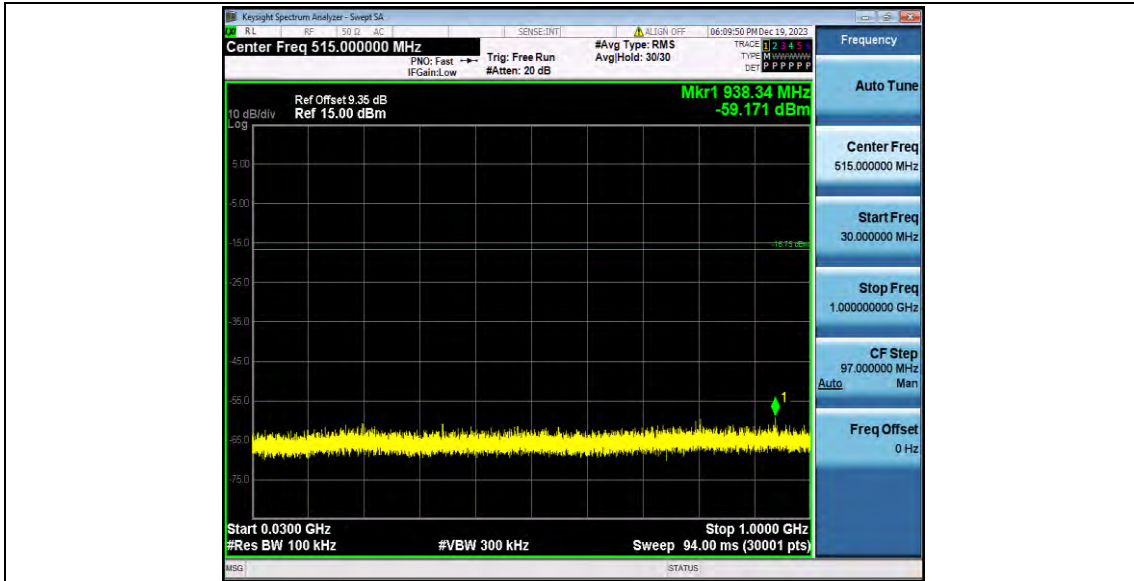
11G_Ant0_2437_30~1000



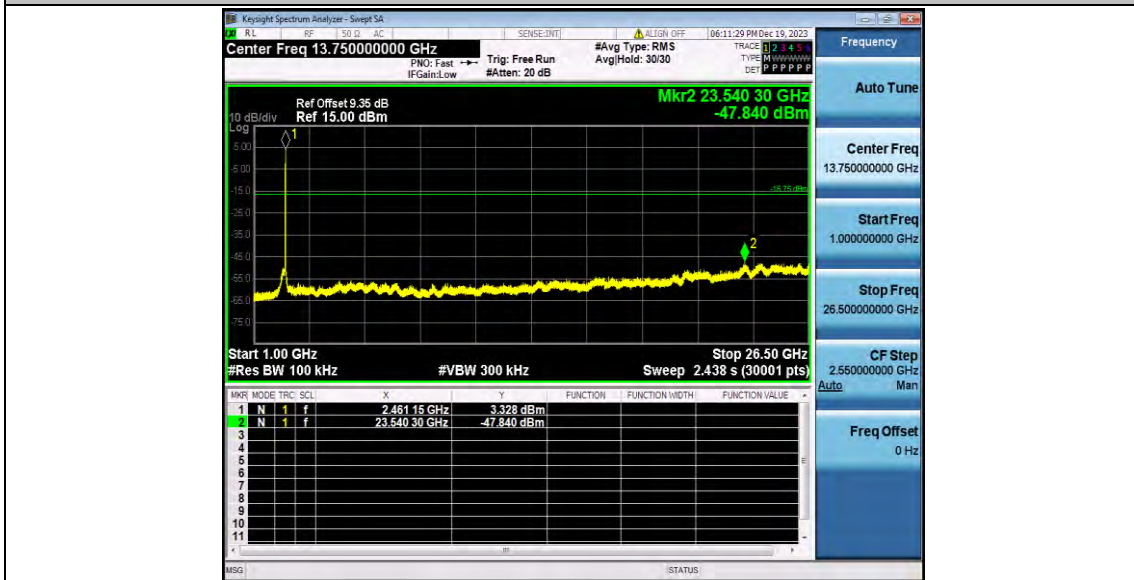
11G_Ant0_2437_1000~26500



11G_Ant0_2462_0~Reference



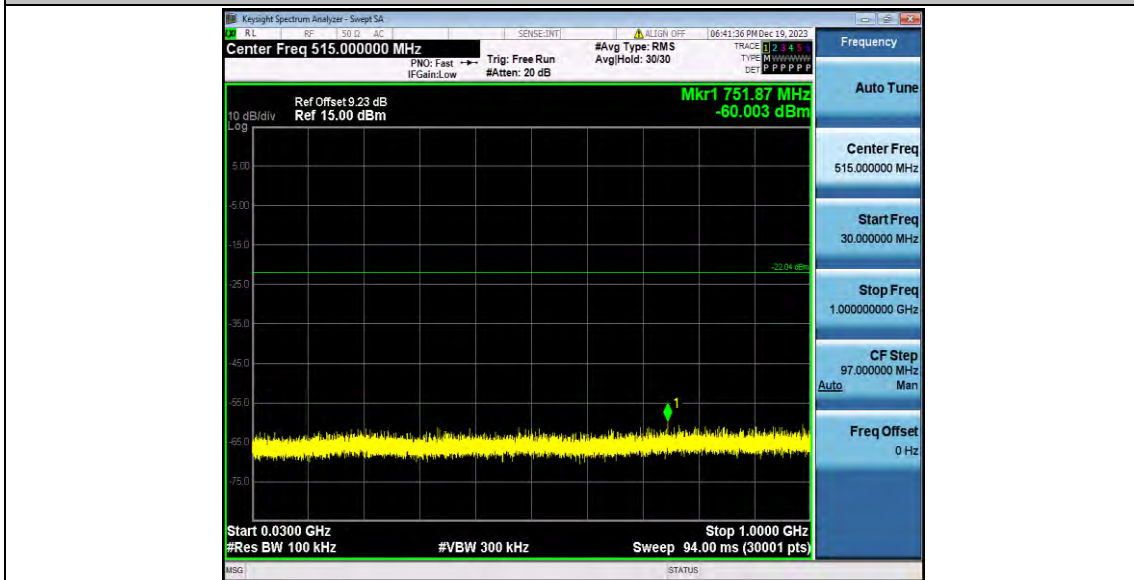
11G_Ant0_2462_30~1000



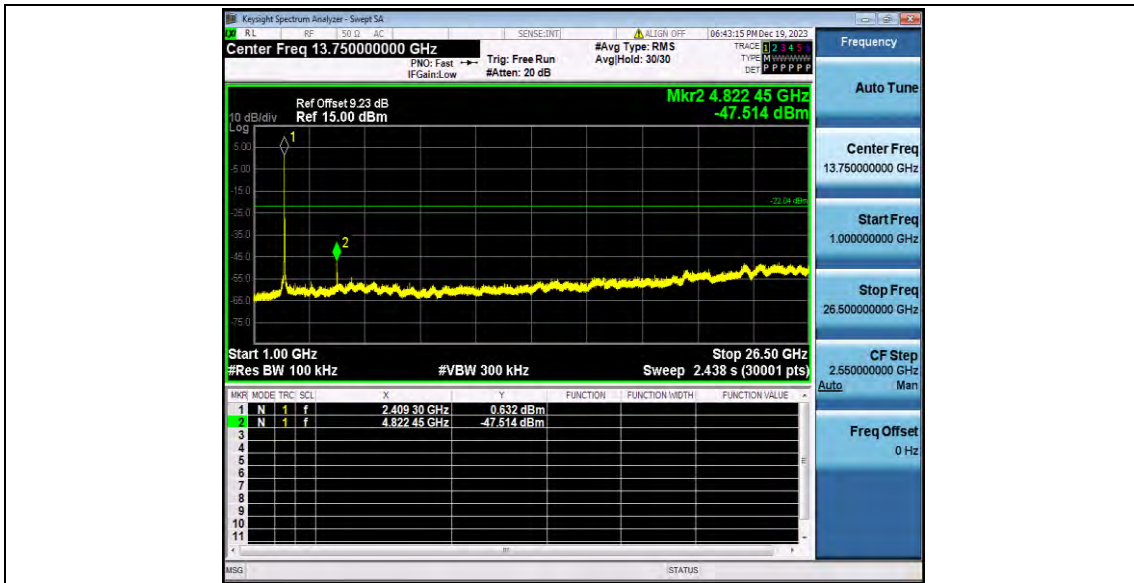
11G_Ant0_2462_1000~26500



11N20SISO_Ant0_2412_0~Reference



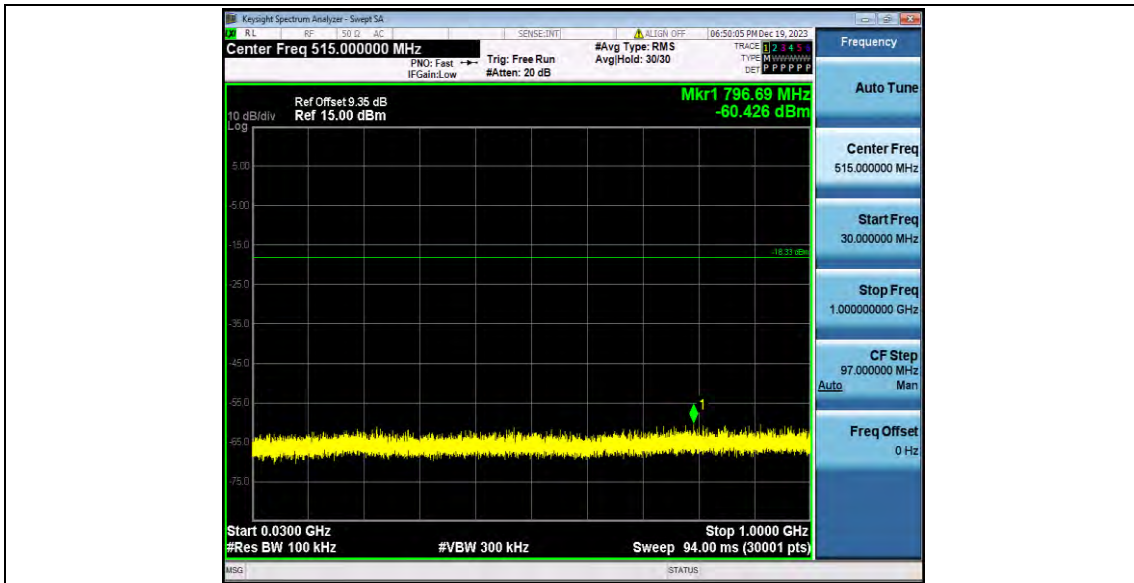
11N20SISO_Ant0_2412_30~1000



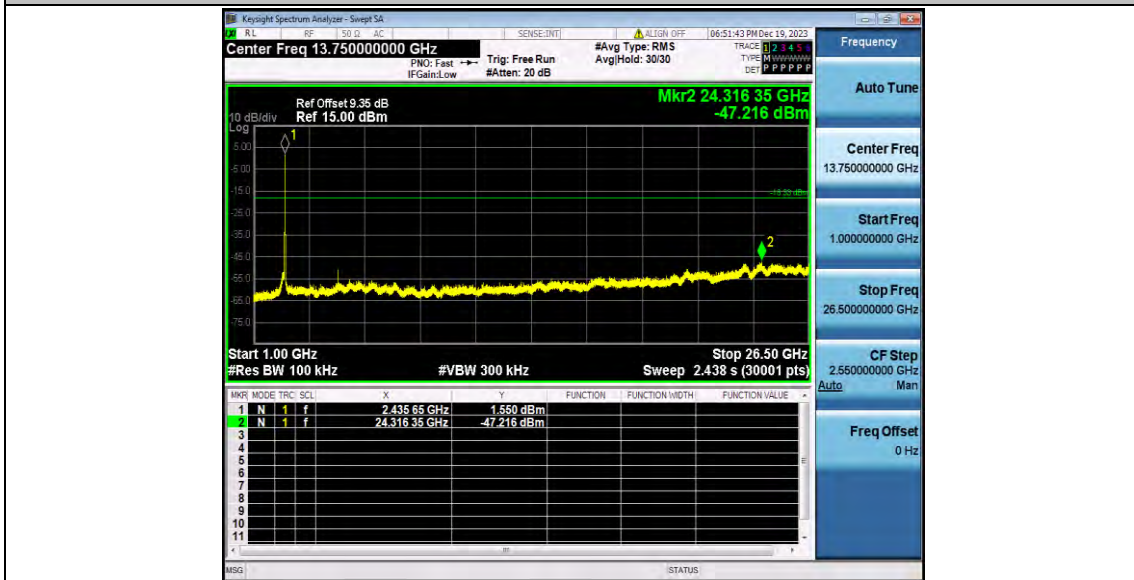
11N20SISO_Ant0_2412_1000~26500



11N20SISO_Ant0_2437_0~Reference



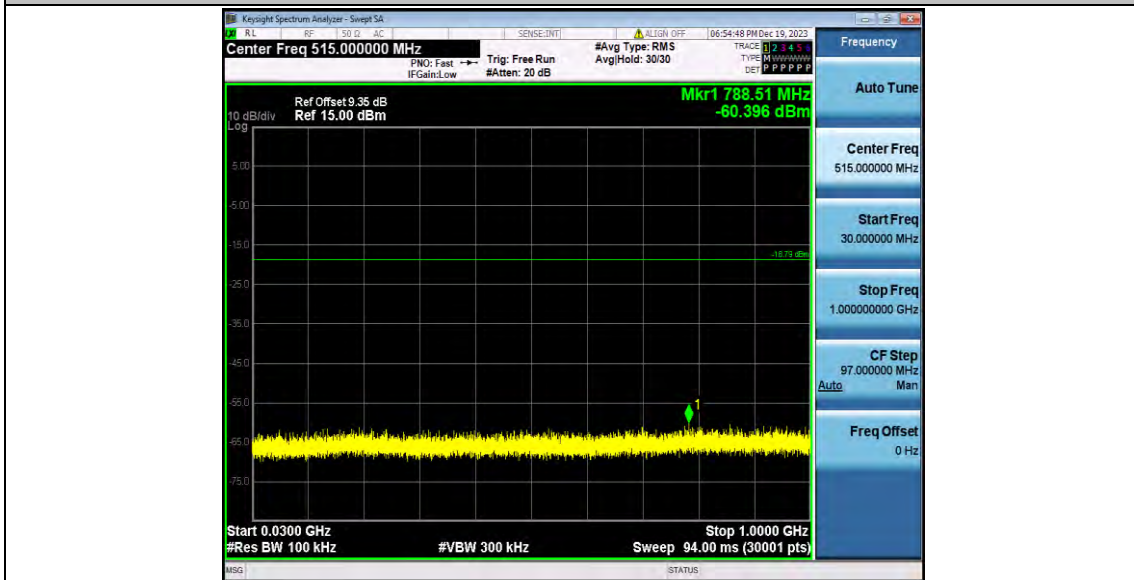
11N20SISO_Ant0_2437_30~1000



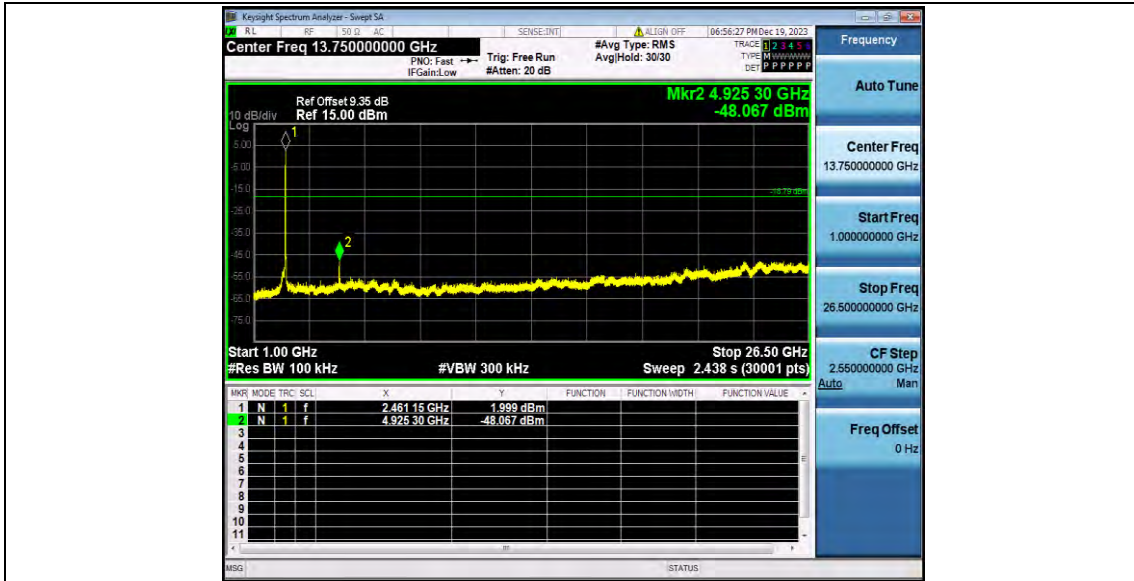
11N20SISO_Ant0_2437_1000~26500



11N20SISO_Ant0_2462_0~Reference



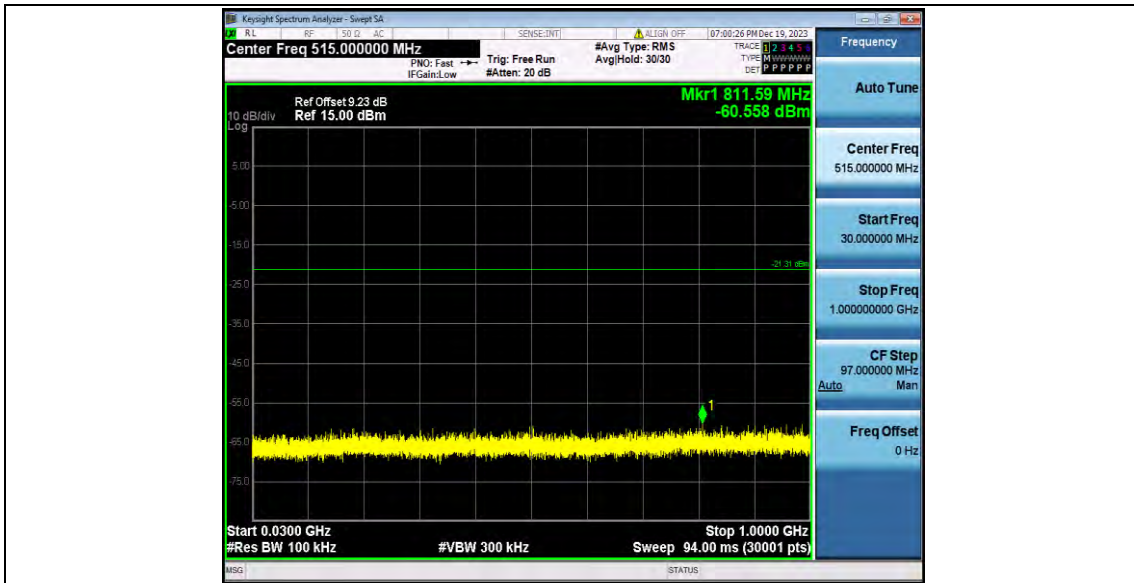
11N20SISO_Ant0_2462_30~1000



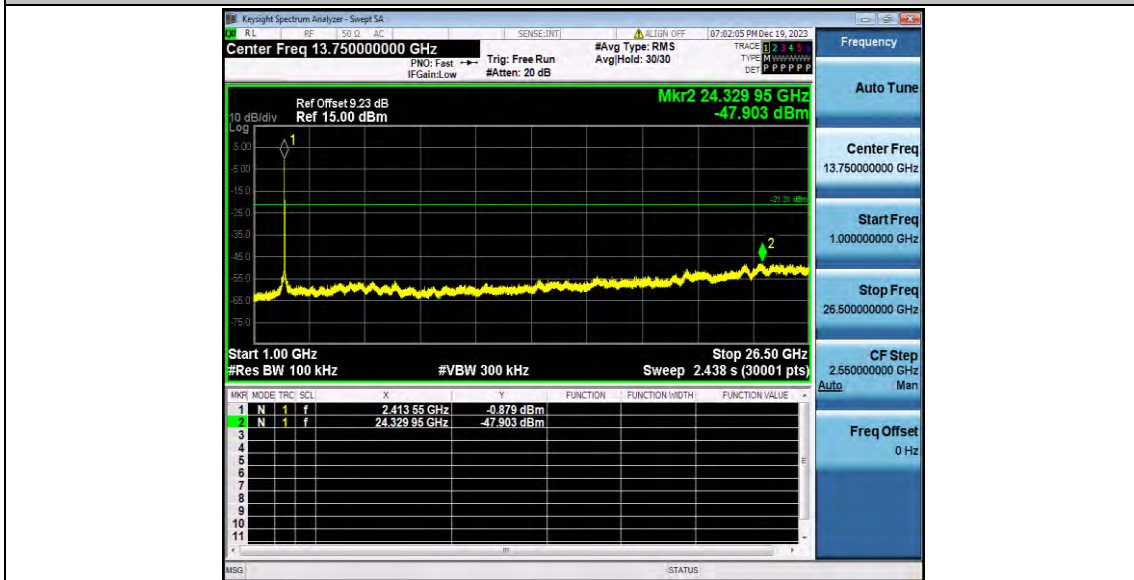
11N20SISO_Ant0_2462_1000~26500



11AX20SISO_Ant0_2412_0~Reference



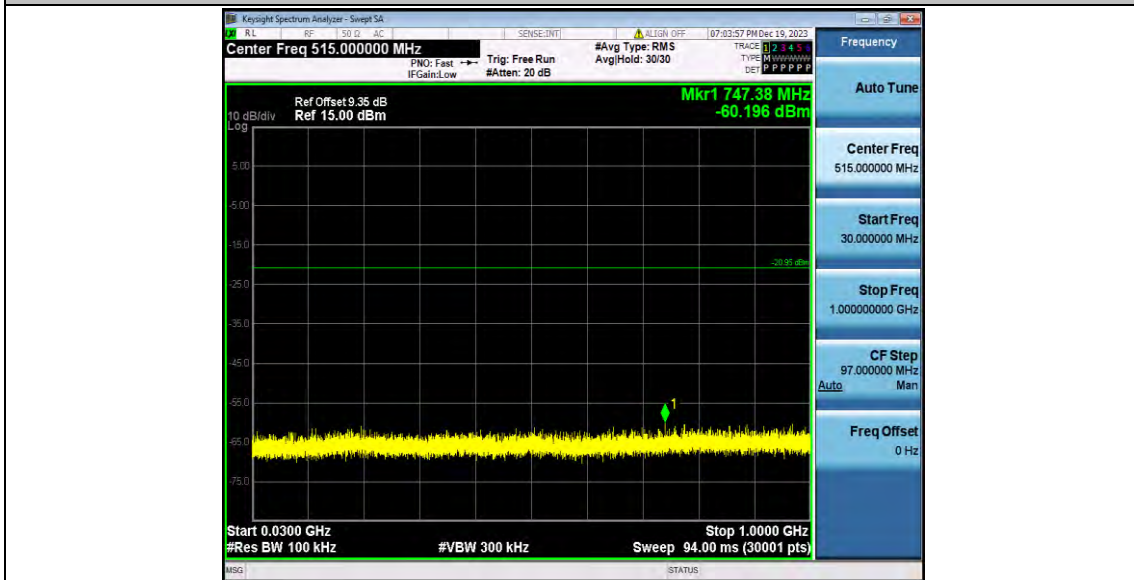
11AX20SISO_Ant0_2412_30~1000



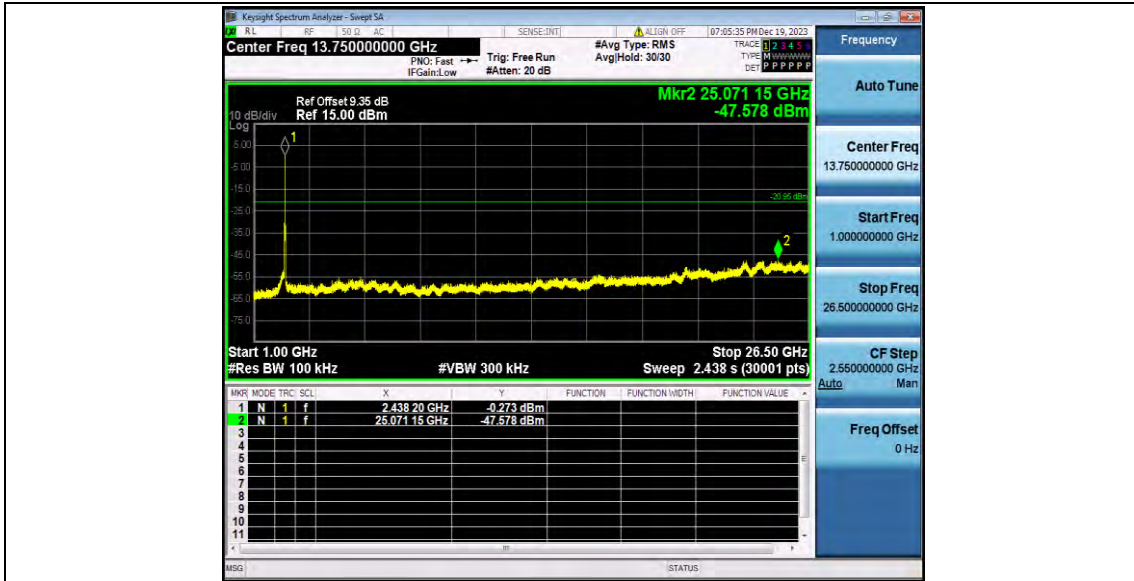
11AX20SISO_Ant0_2412_1000~26500



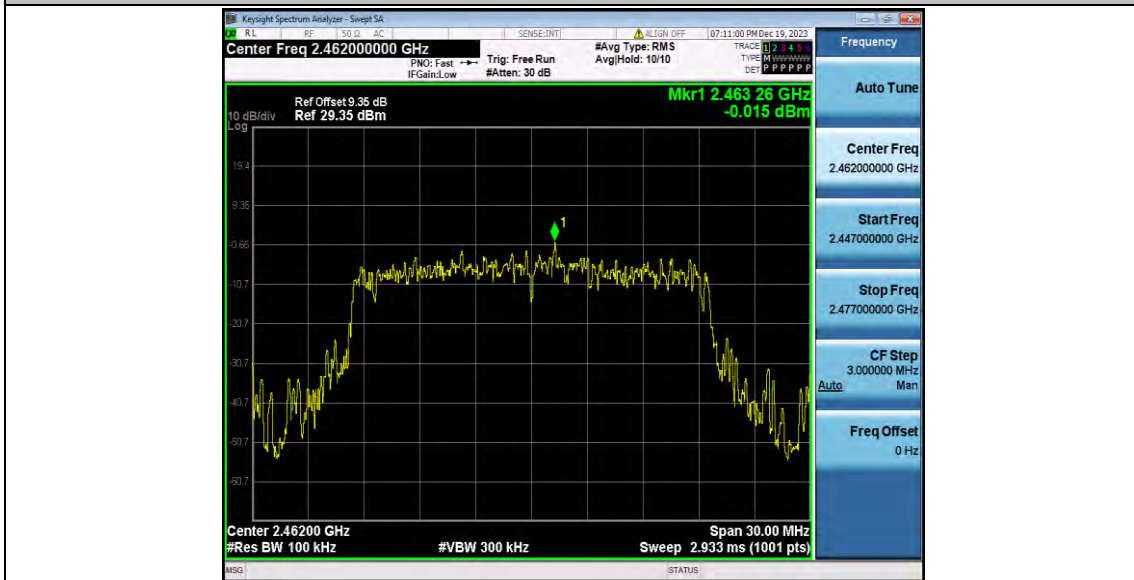
11AX20SISO_Ant0_2437_0~Reference



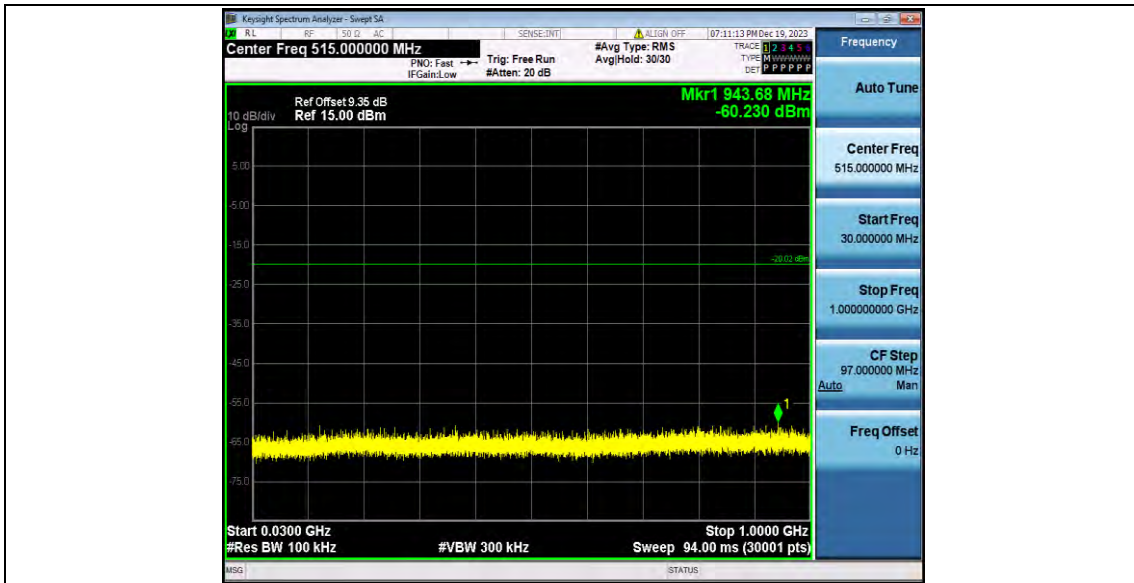
11AX20SISO_Ant0_2437_30~1000



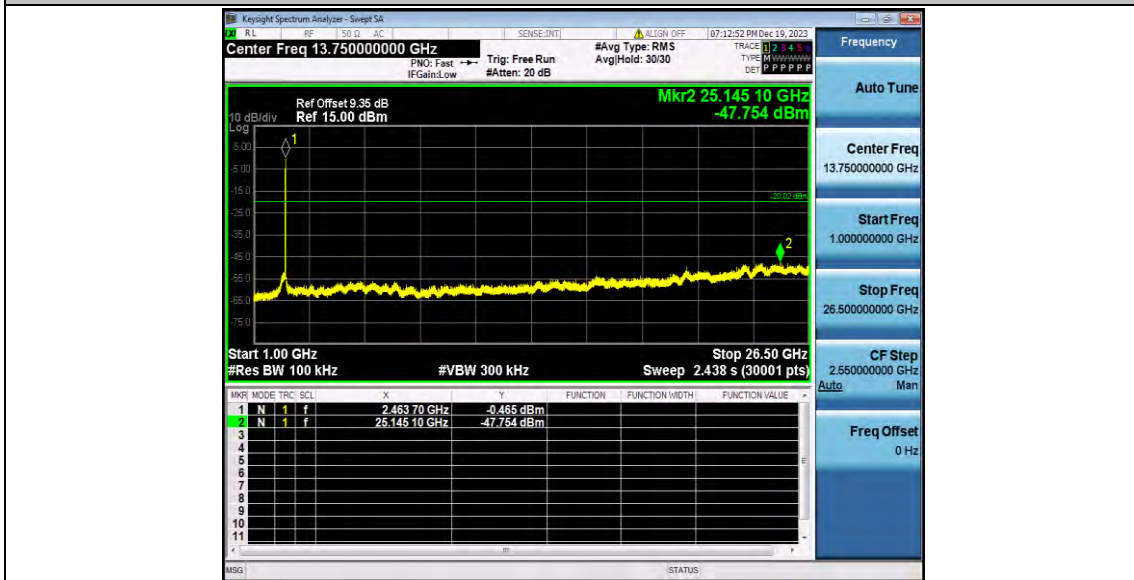
11AX20SISO_Ant0_2437_1000~26500



11AX20SISO_Ant0_2462_0~Reference



11AX20SISO_Ant0_2462_30~1000



11AX20SISO_Ant0_2462_1000~26500