

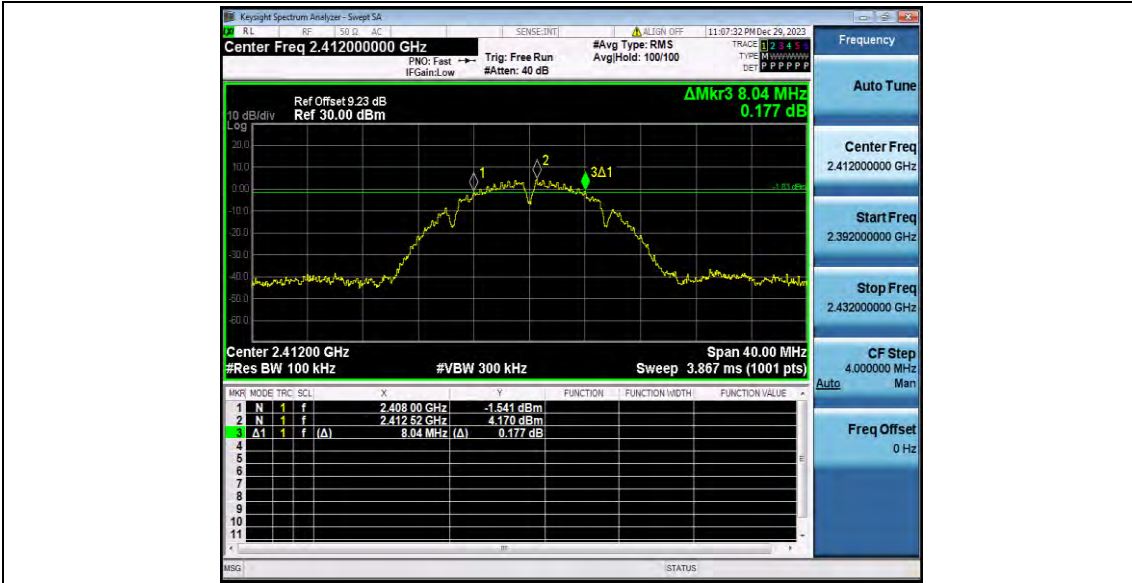
Case No. : <u>GTS20231018011-1-40</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.12.25</u> Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

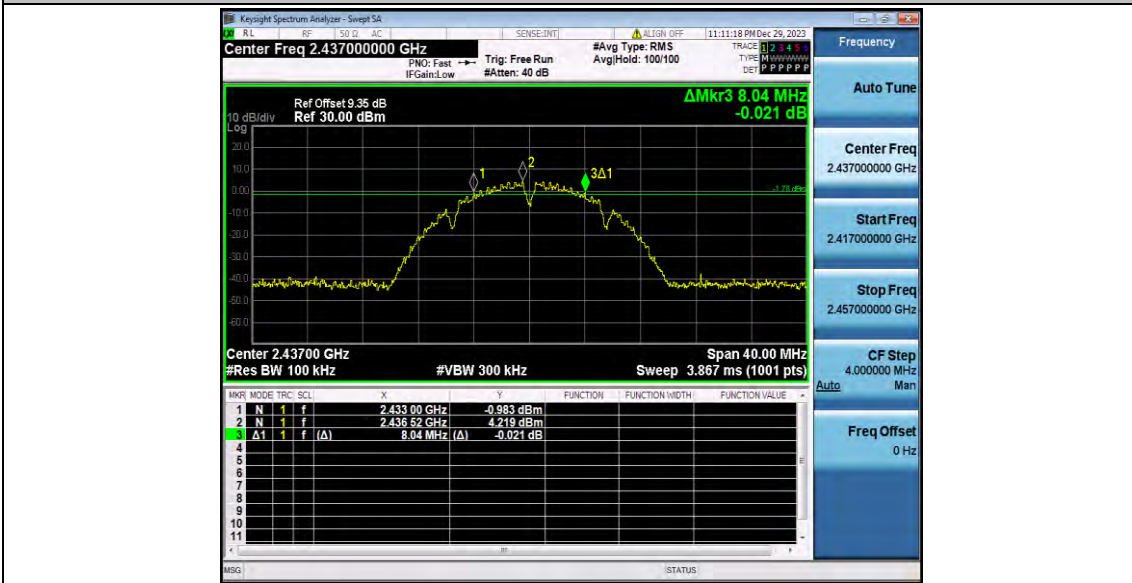
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2408.000	2416.040	0.5	PASS
		2437	8.040	2433.000	2441.040	0.5	PASS
		2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant1	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	16.280	2428.880	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	13.840	2405.680	2419.520	0.5	PASS
		2437	16.240	2428.920	2445.160	0.5	PASS
		2462	15.440	2454.480	2469.920	0.5	PASS
11AX20SISO	Ant1	2412	18.680	2402.600	2421.280	0.5	PASS
		2437	18.680	2427.640	2446.320	0.5	PASS
		2462	16.920	2452.760	2469.680	0.5	PASS

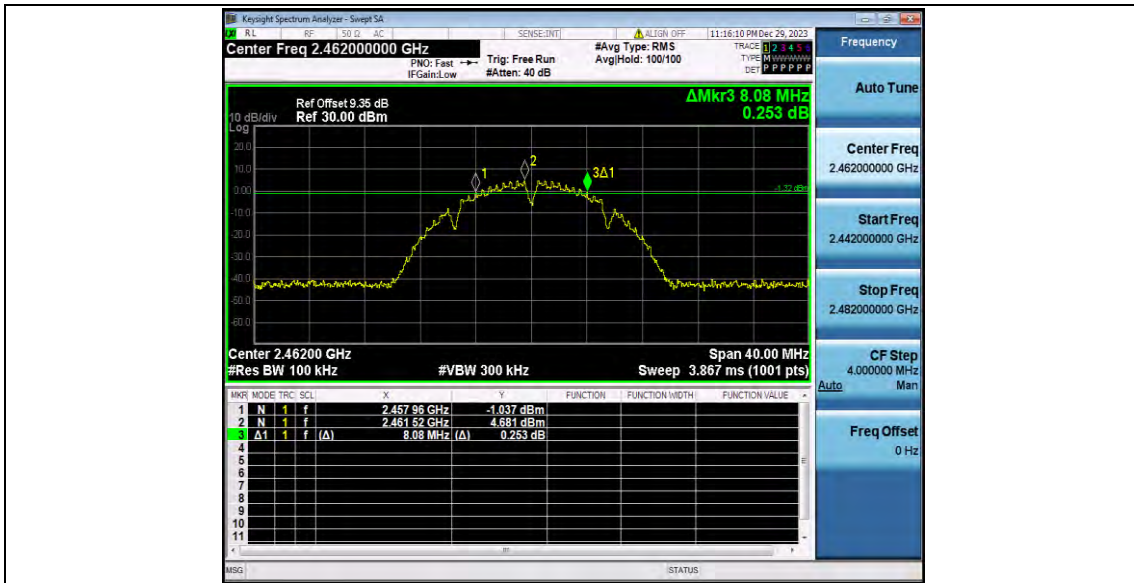
Test Graphs



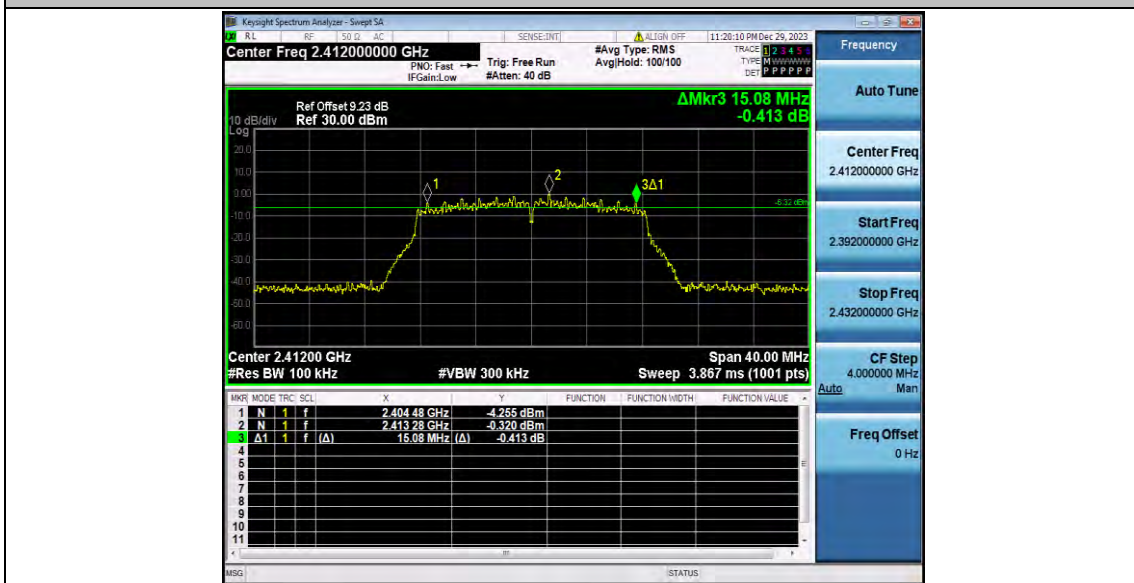
11B_Ant1_2412



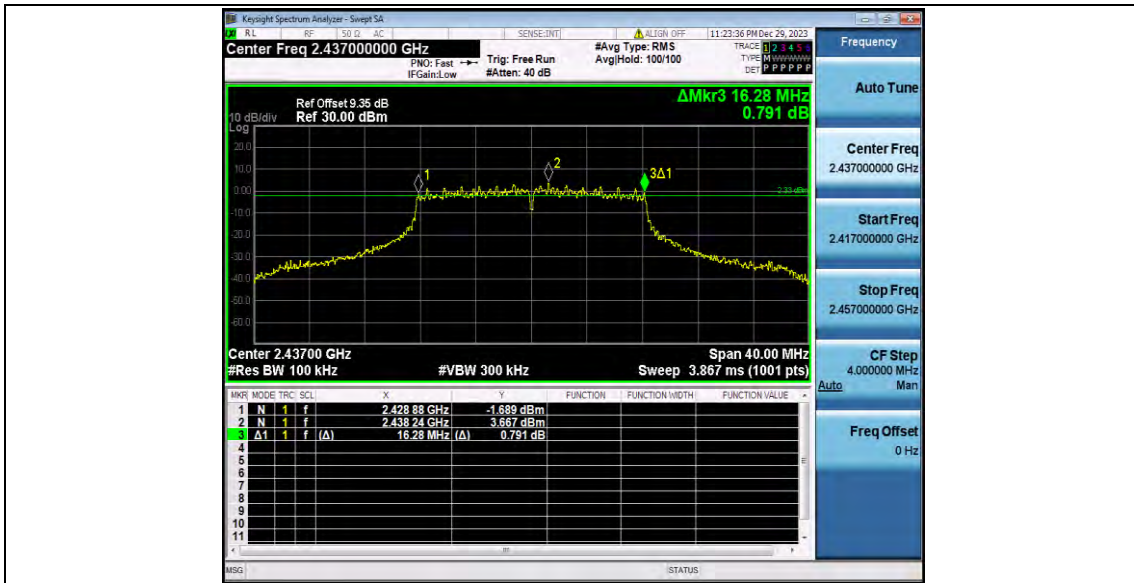
11B_Ant1_2437



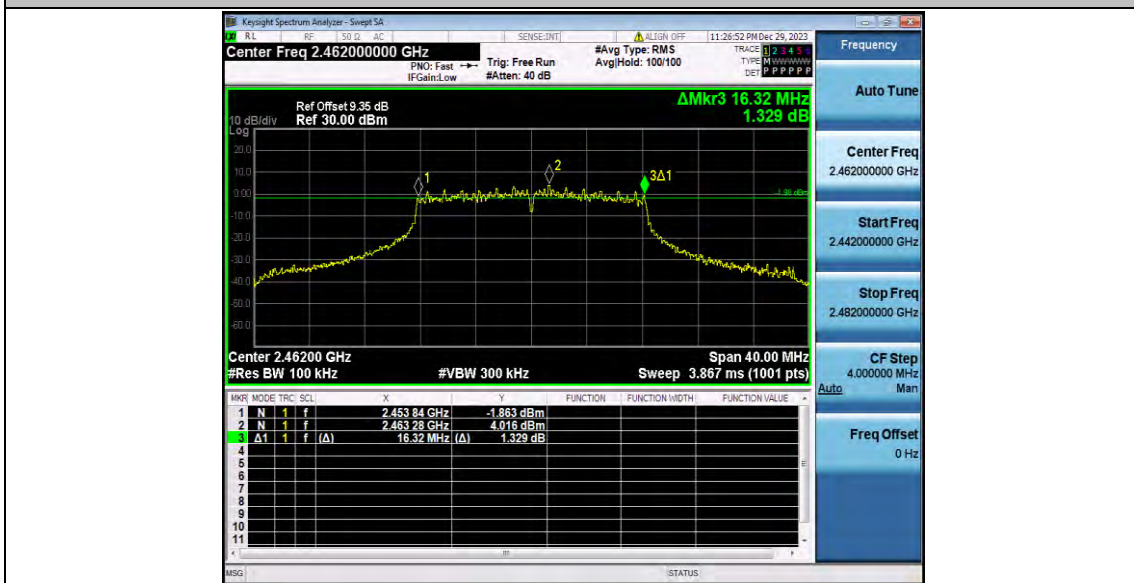
11B_Ant1_2462



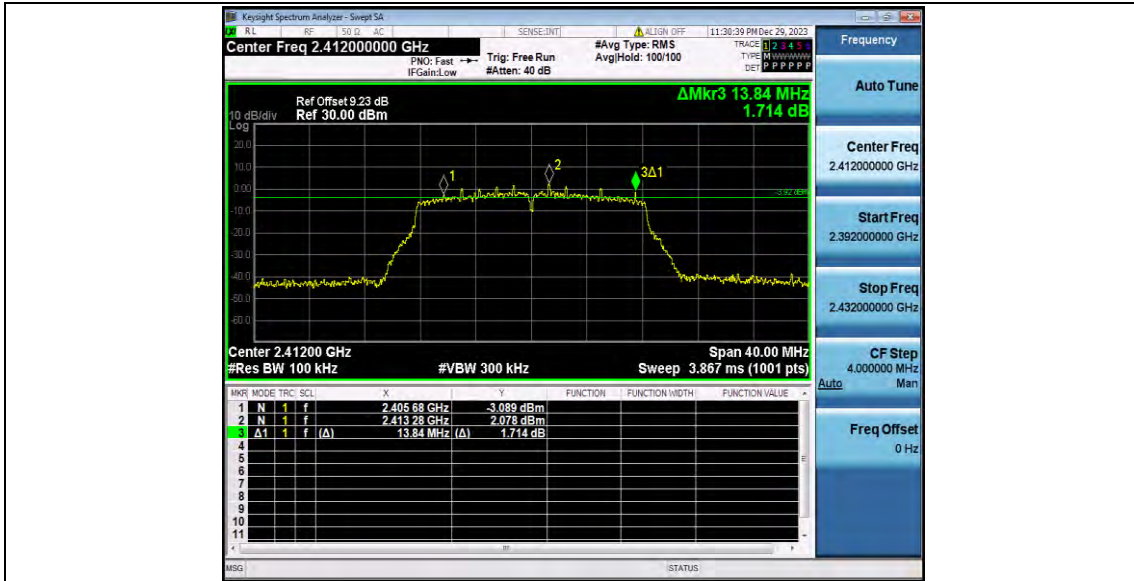
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



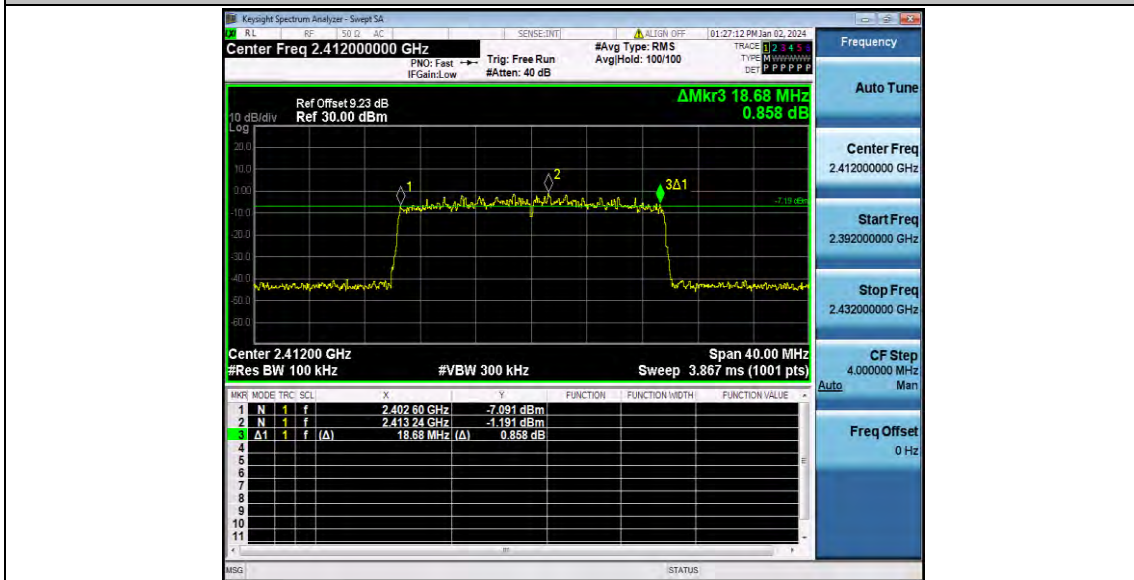
11N20SISO_Ant1_2412



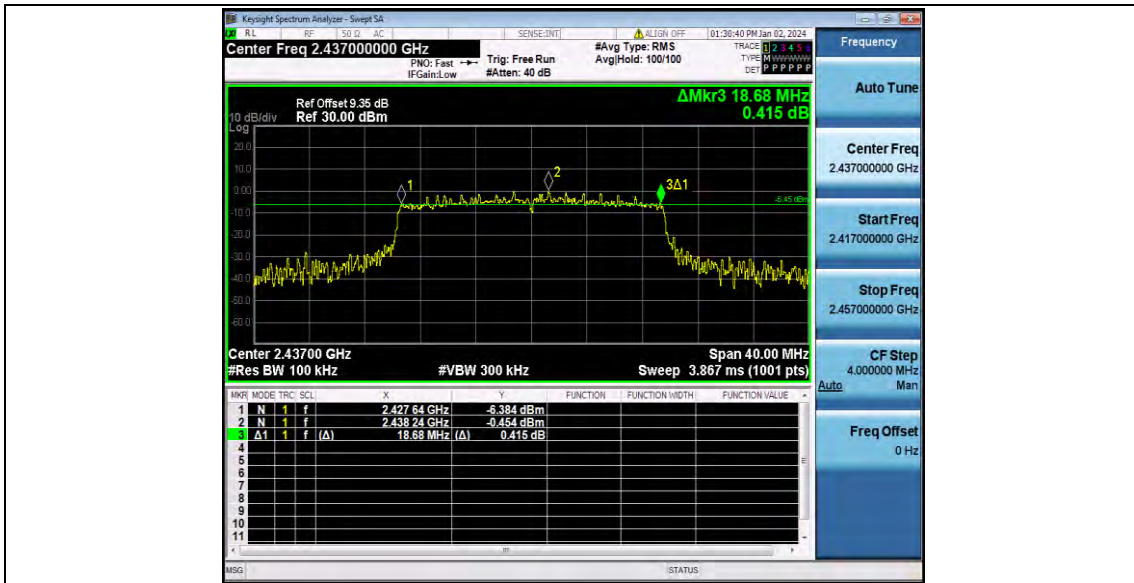
11N20SISO_Ant1_2437



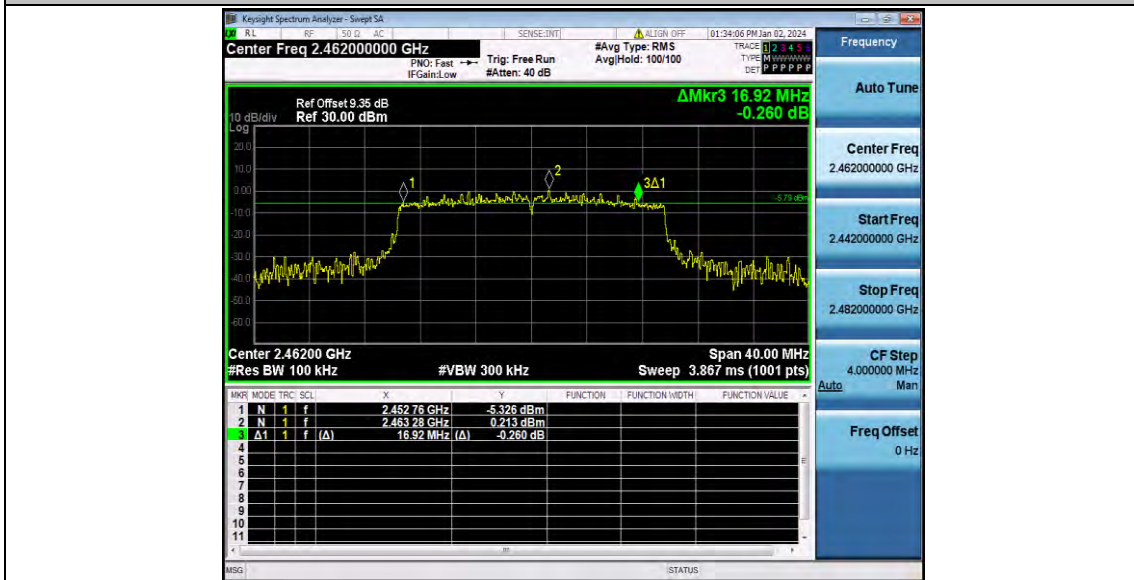
11N20SISO_Ant1_2462



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



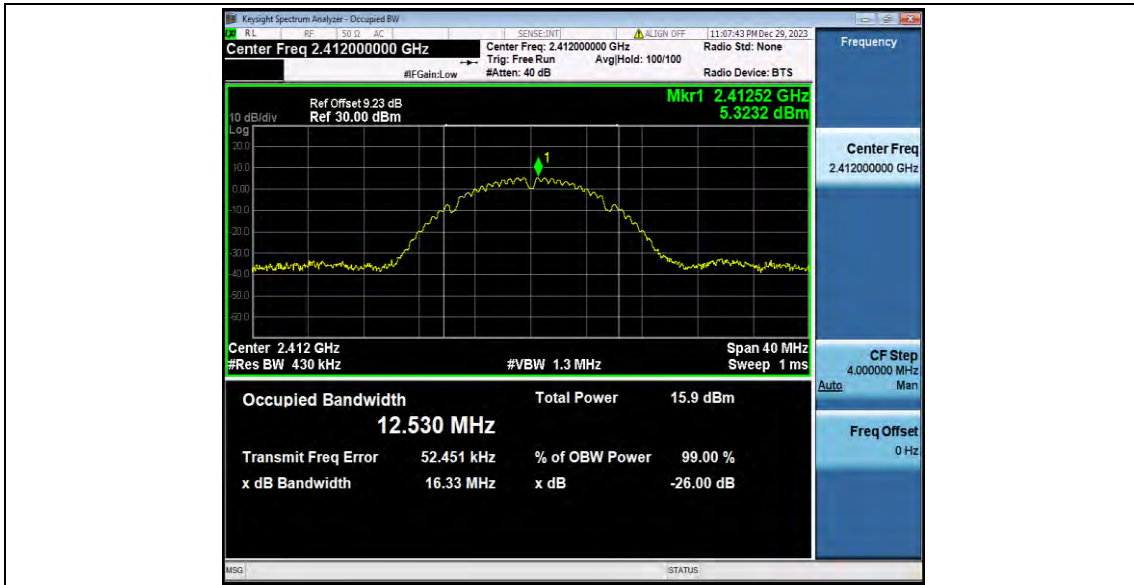
11AX20SISO_Ant1_2462

Appendix C.2: Occupied Channel Bandwidth

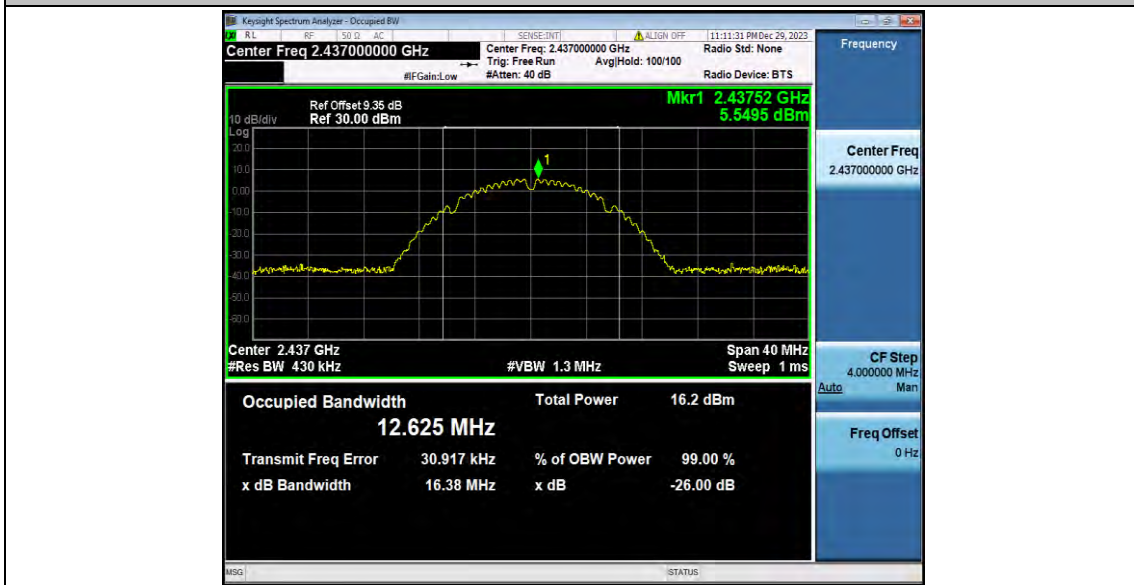
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.530	2405.787	2418.317	---	---
		2437	12.625	2430.718	2443.343	---	---
		2462	12.520	2455.756	2468.276	---	---
11G	Ant1	2412	16.642	2403.679	2420.321	---	---
		2437	17.242	2428.318	2445.560	---	---
		2462	17.131	2453.377	2470.508	---	---
11N20SISO	Ant1	2412	16.629	2403.714	2420.343	---	---
		2437	17.236	2428.408	2445.644	---	---
		2462	17.255	2453.332	2470.587	---	---
11AX20SISO	Ant1	2412	18.879	2402.598	2421.477	---	---
		2437	19.118	2427.474	2446.592	---	---
		2462	19.089	2452.458	2471.547	---	---

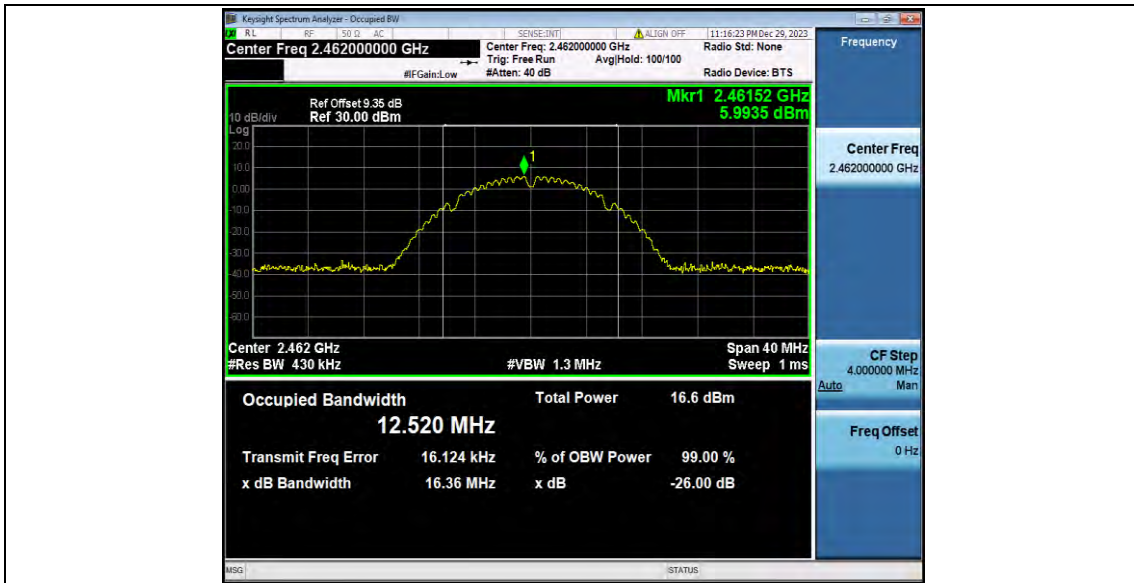
Test Graphs



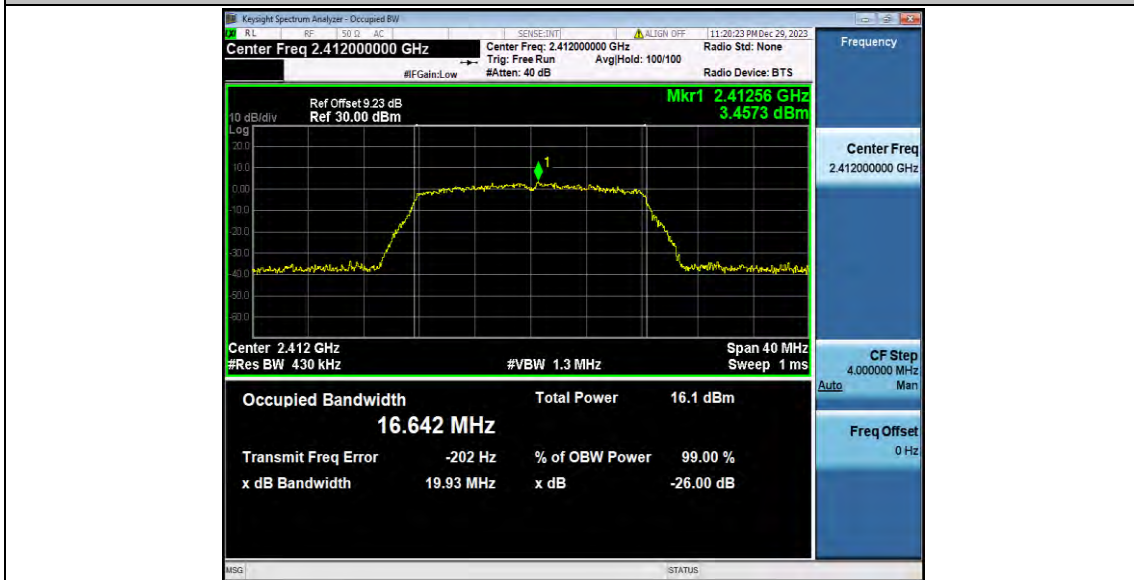
11B_Ant1_2412



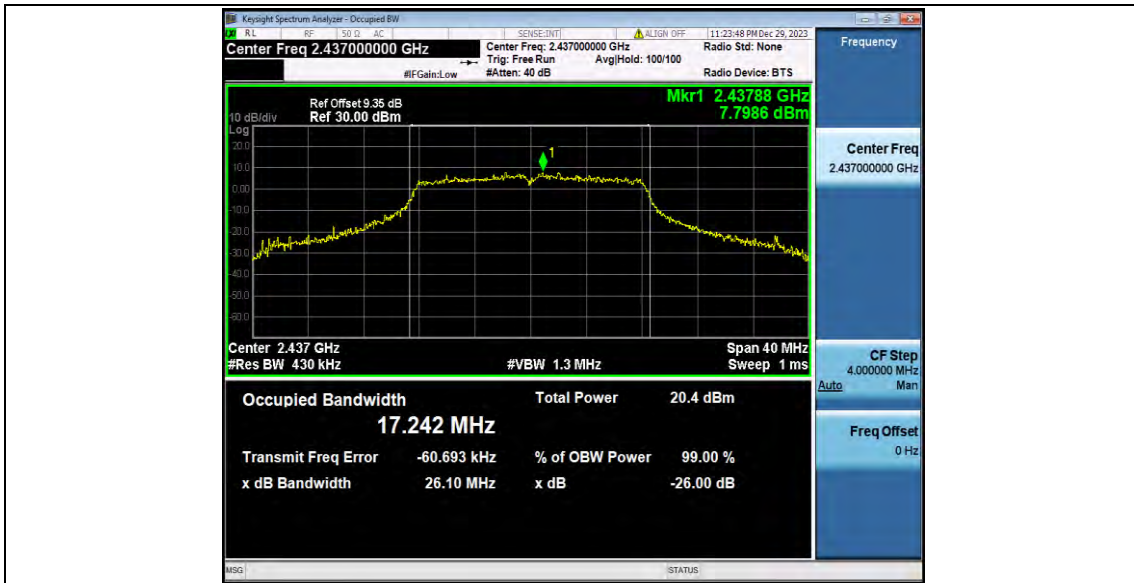
11B_Ant1_2437



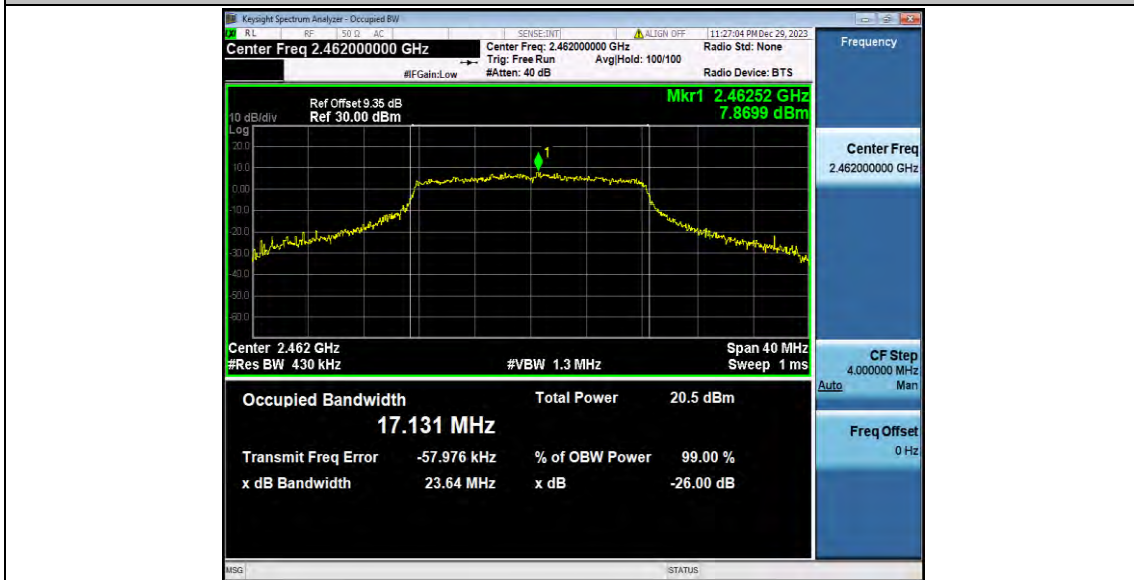
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



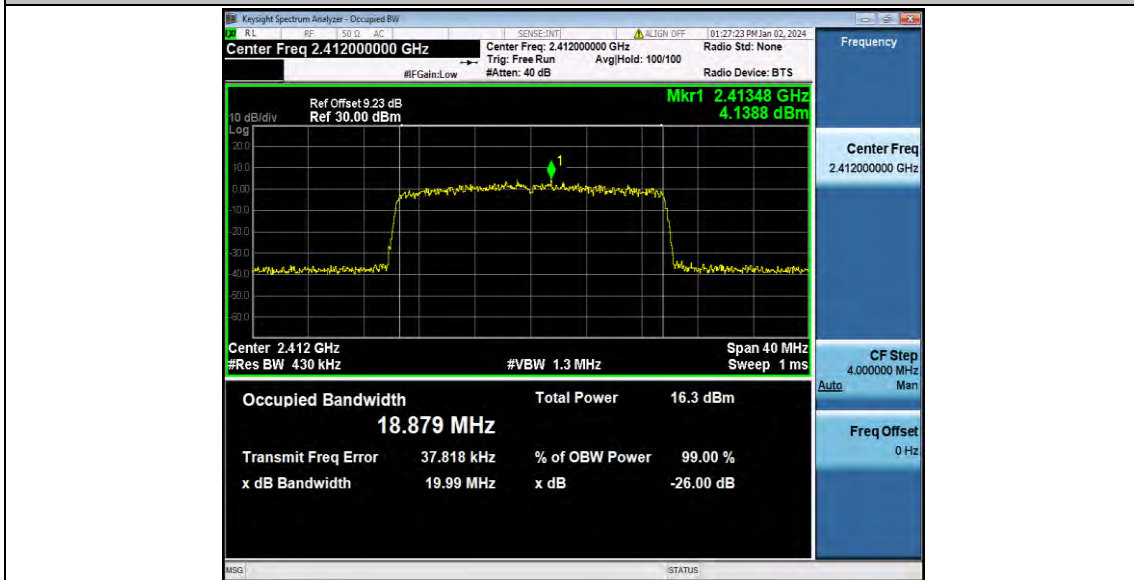
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462

Appendix C.3: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	16.10	≤30.00	PASS
		2437	16.23	≤30.00	PASS
		2462	16.60	≤30.00	PASS
11G	Ant1	2412	17.29	≤30.00	PASS
		2437	21.53	≤30.00	PASS
		2462	21.62	≤30.00	PASS
11N20SISO	Ant1	2412	18.95	≤30.00	PASS
		2437	19.37	≤30.00	PASS
		2462	18.85	≤30.00	PASS
11AX20SISO	Ant1	2412	16.62	≤30.00	PASS
		2437	17.71	≤30.00	PASS
		2462	17.95	≤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	Ant1	2412	-11.29	≤8.00	PASS
		2437	-10.64	≤8.00	PASS
		2462	-9.96	≤8.00	PASS
11G	Ant1	2412	-16.24	≤8.00	PASS
		2437	-12.06	≤8.00	PASS
		2462	-11.58	≤8.00	PASS
11N20SISO	Ant1	2412	-13.19	≤8.00	PASS
		2437	-13.91	≤8.00	PASS
		2462	-14.29	≤8.00	PASS
11AX20SISO	Ant1	2412	-16.9	≤8.00	PASS
		2437	-15.67	≤8.00	PASS
		2462	-14.92	≤8.00	PASS

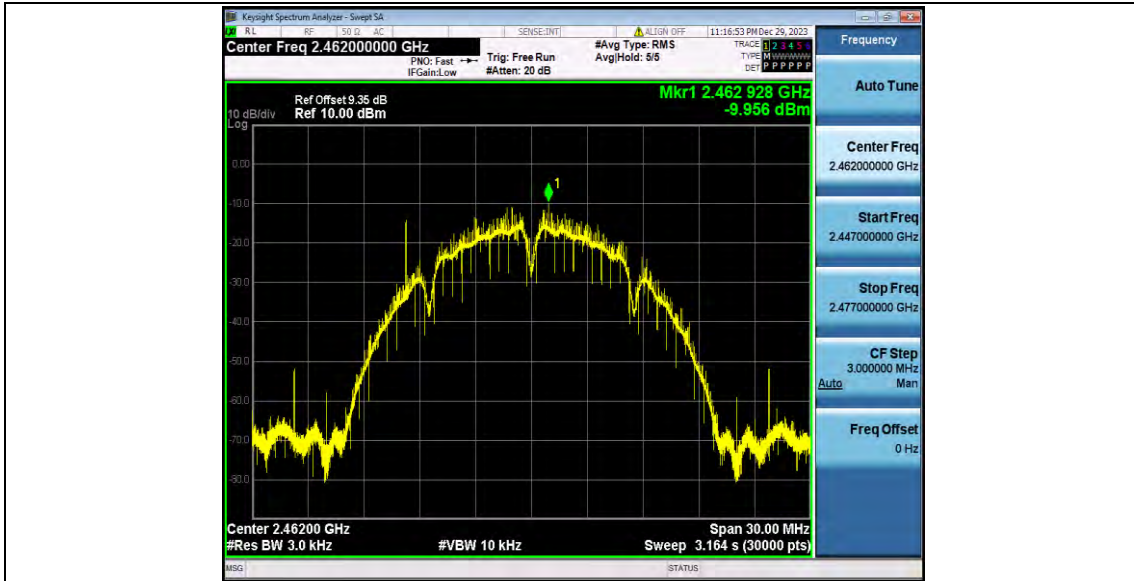
Test Graphs



11B_Ant1_2412



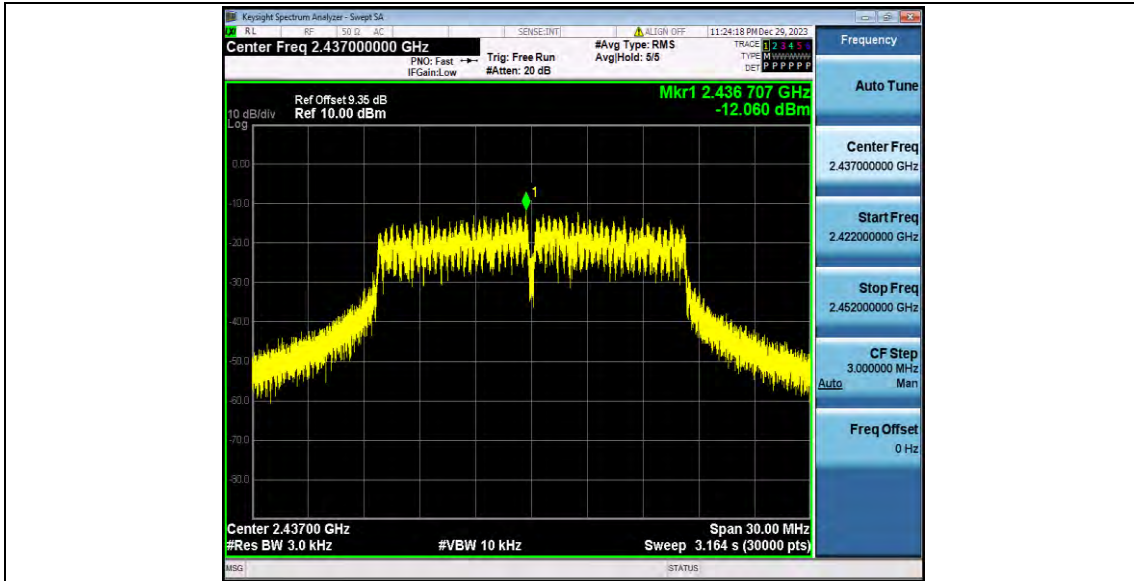
11B_Ant1_2437



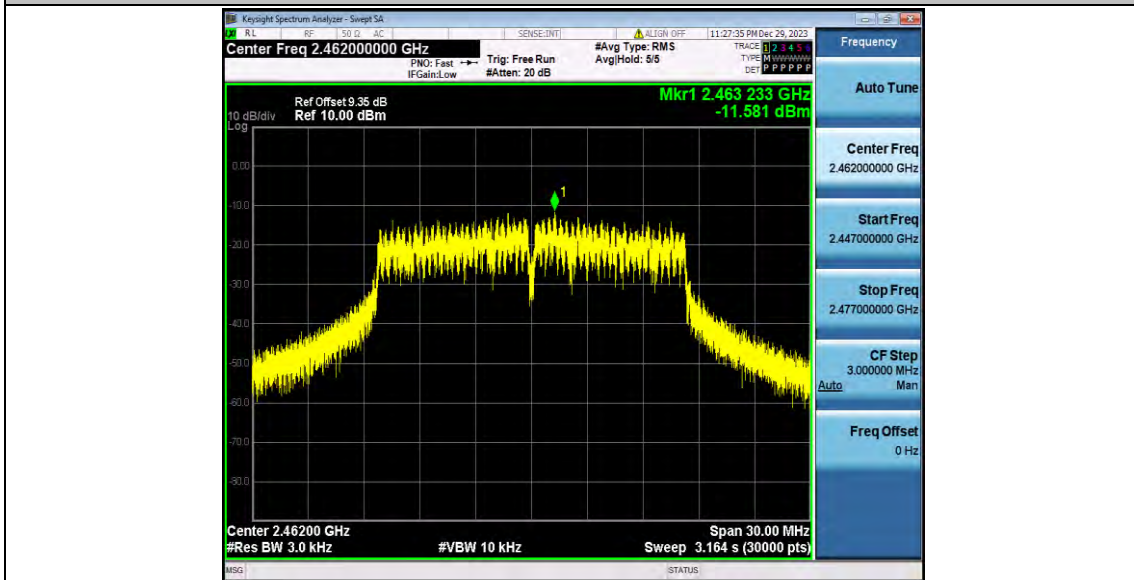
11B_Ant1_2462



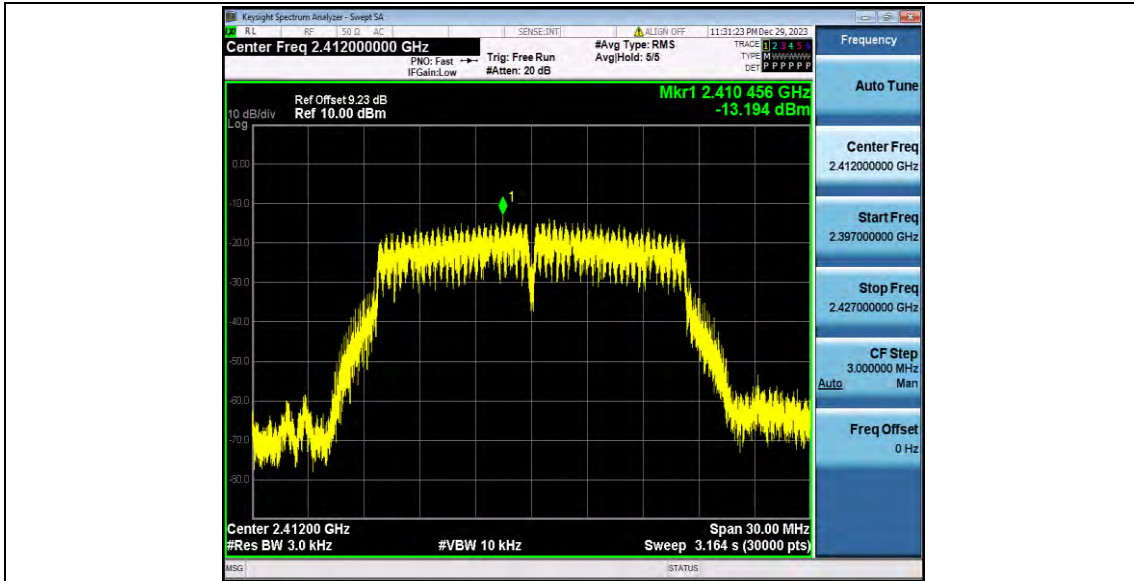
11G_Ant1_2412



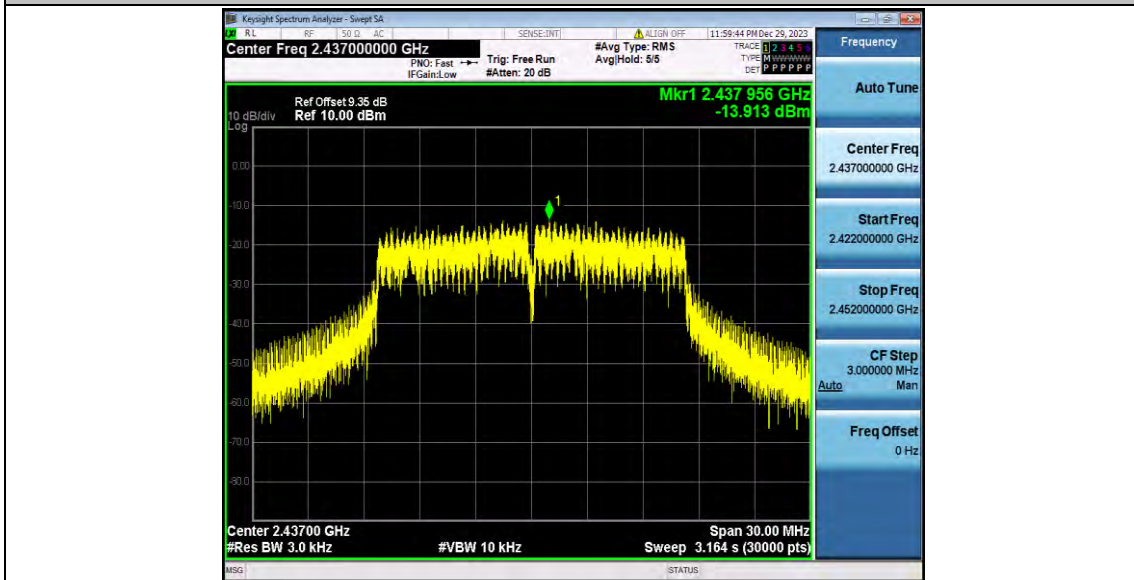
11G_Ant1_2437



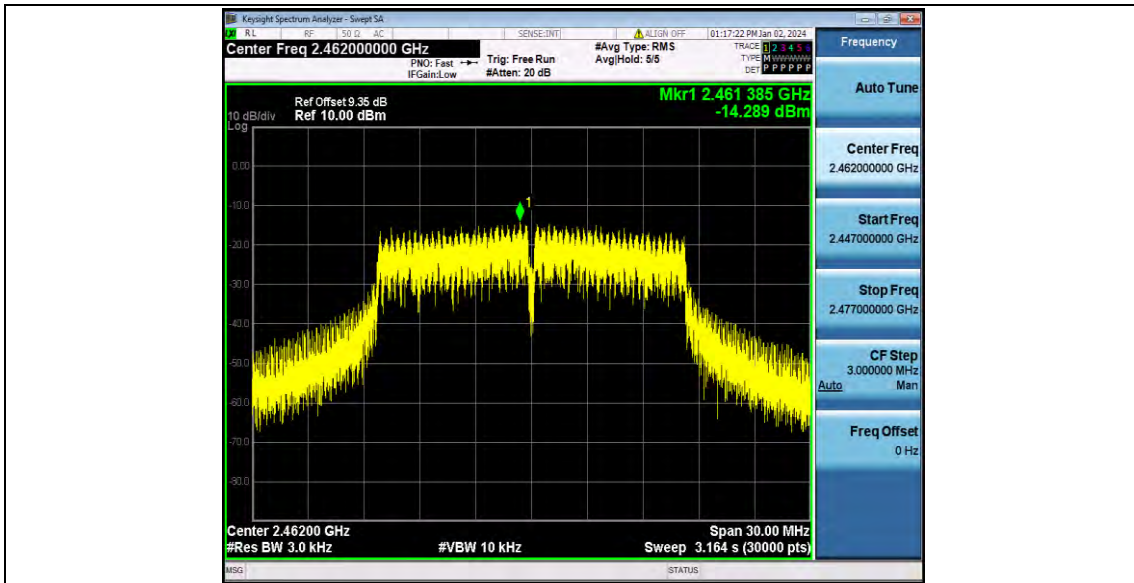
11G_Ant1_2462



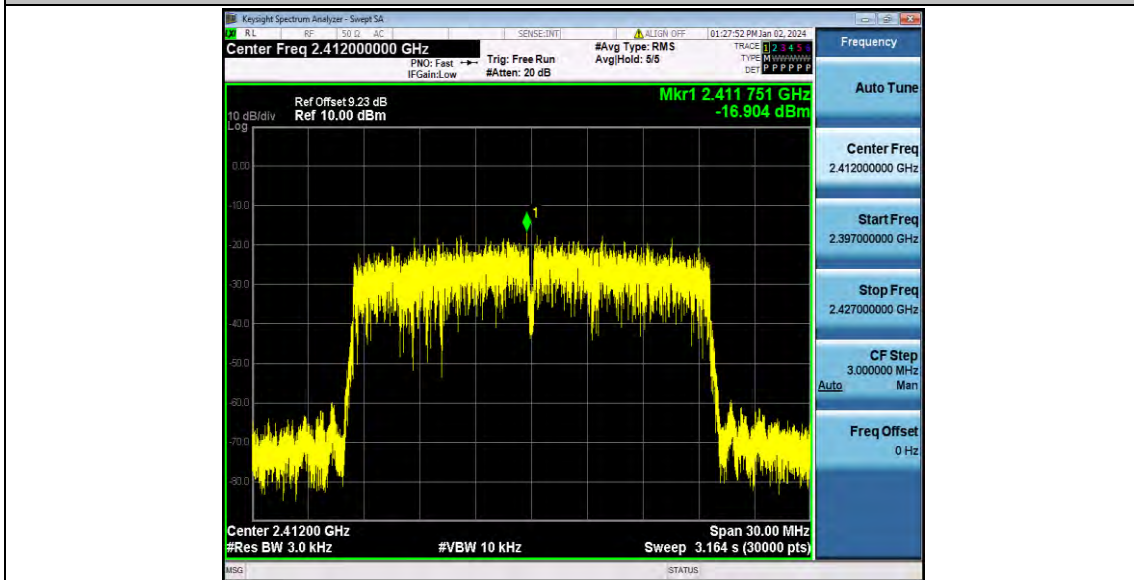
11N20SISO_Ant1_2412



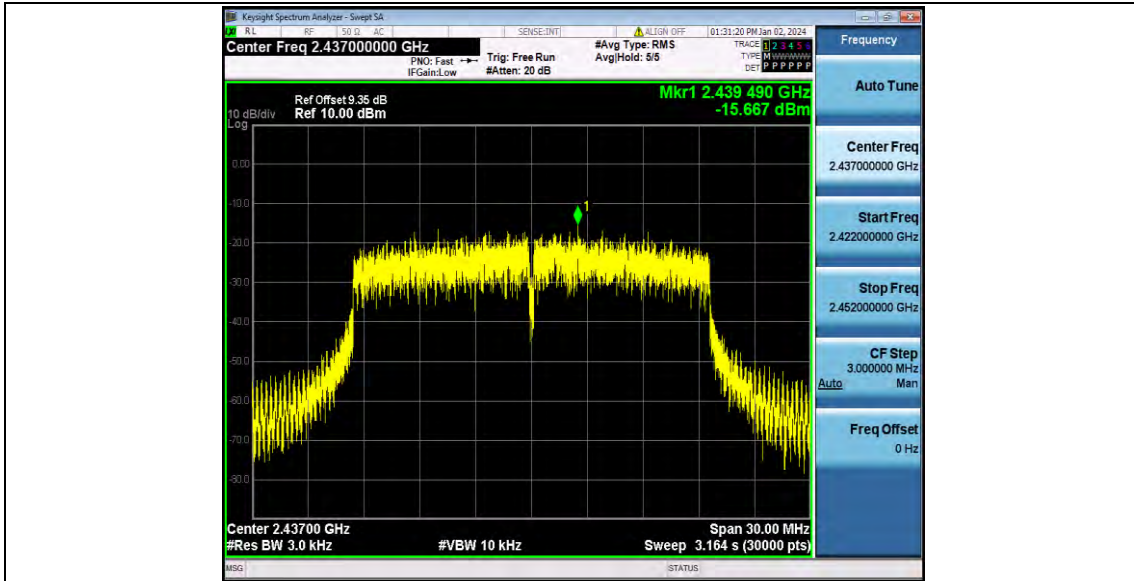
11N20SISO_Ant1_2437



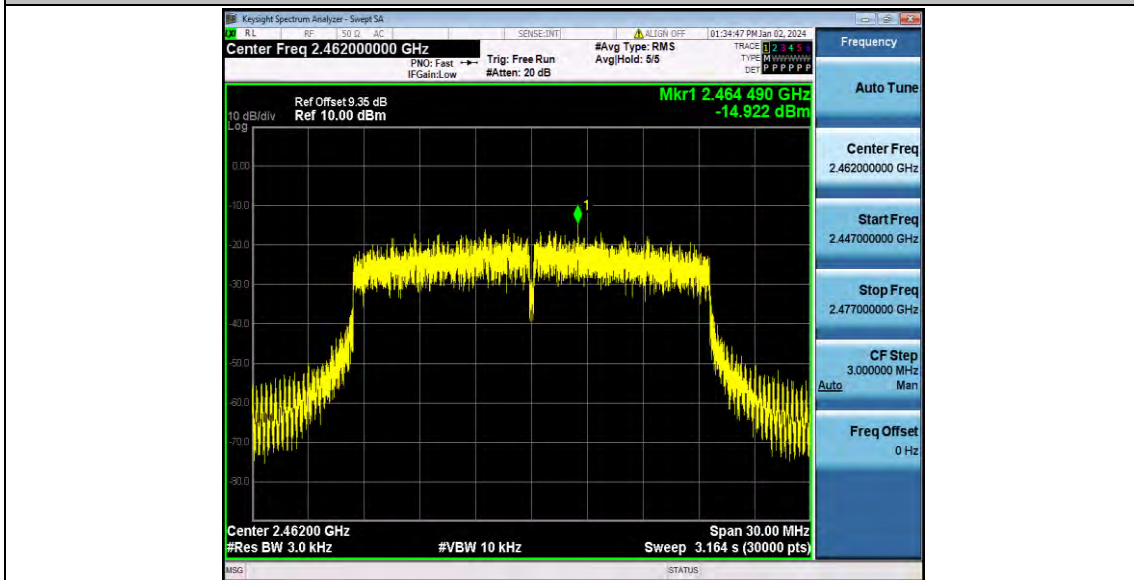
11N20SISO_Ant1_2462



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



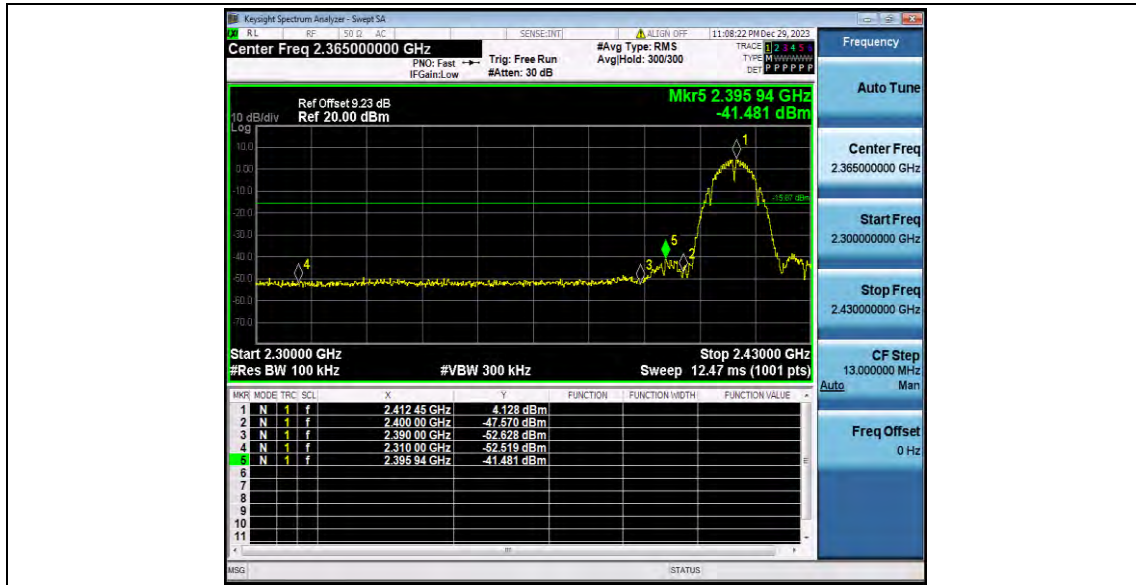
11AX20SISO_Ant1_2462

Appendix C.5: Band edge measurements

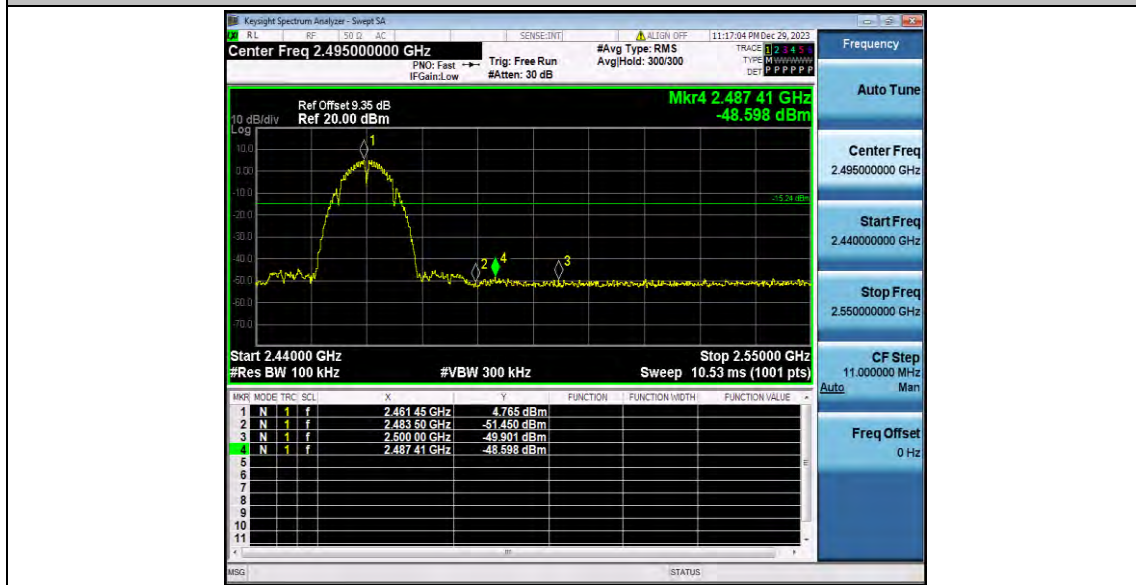
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.13	-41.48	≤ -15.87	PASS
		High	2462	4.77	-48.6	≤ -15.24	PASS
11G	Ant1	Low	2412	-0.26	-44.66	≤ -20.26	PASS
		High	2462	4.07	-47.61	≤ -15.93	PASS
11N20SISO	Ant1	Low	2412	2.17	-43.29	≤ -17.83	PASS
		High	2462	1.62	-48.38	≤ -18.38	PASS
11AX20SISO	Ant1	Low	2412	-0.43	-46.21	≤ -20.43	PASS
		High	2462	0.79	-48.66	≤ -19.21	PASS

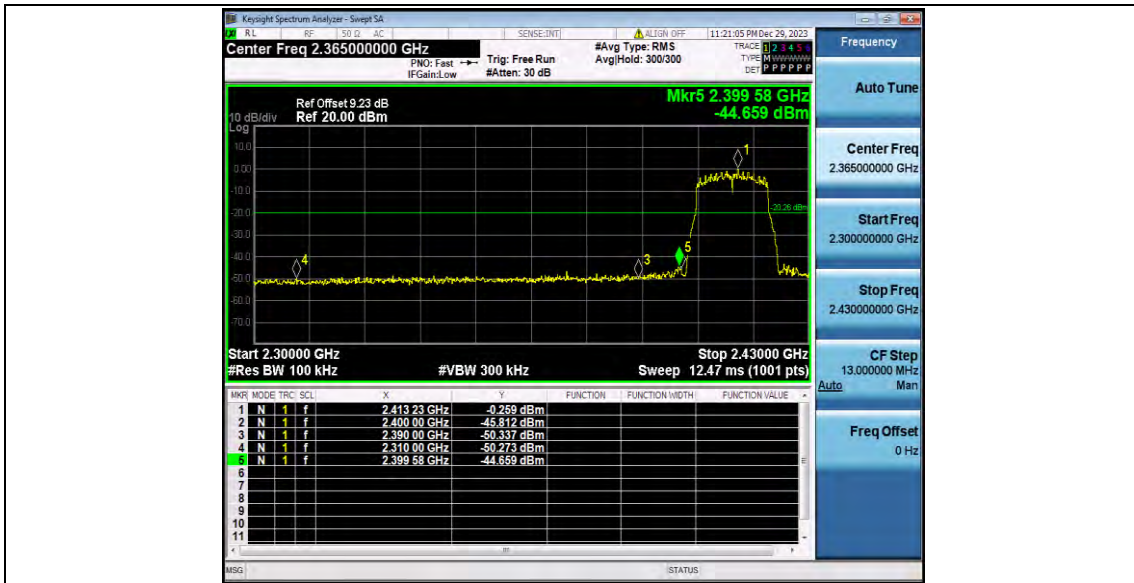
Test Graphs



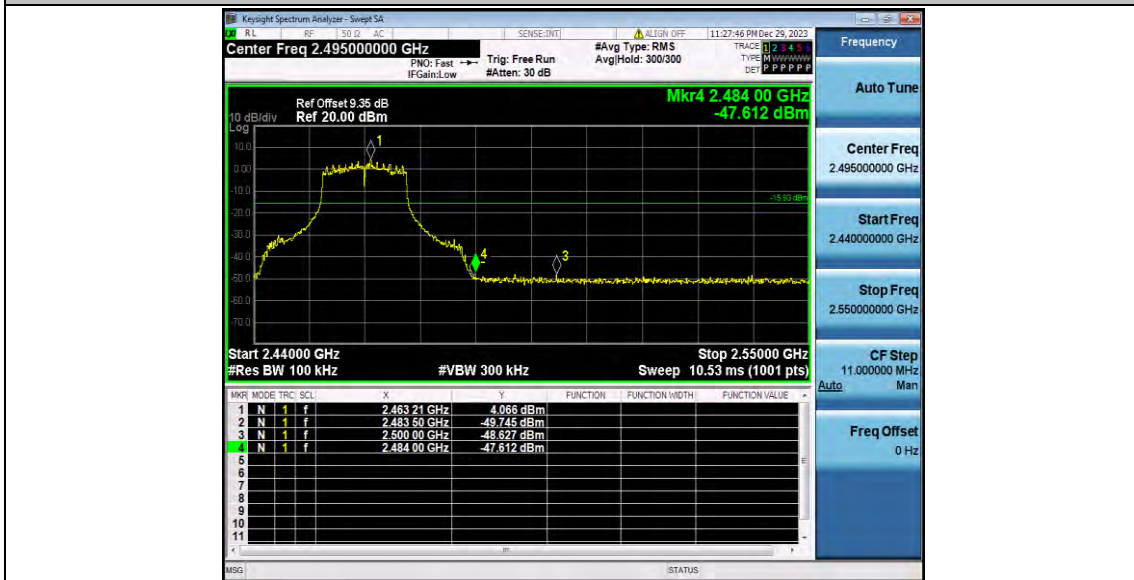
11B_Ant1_Low_2412



11B_Ant1_High_2462



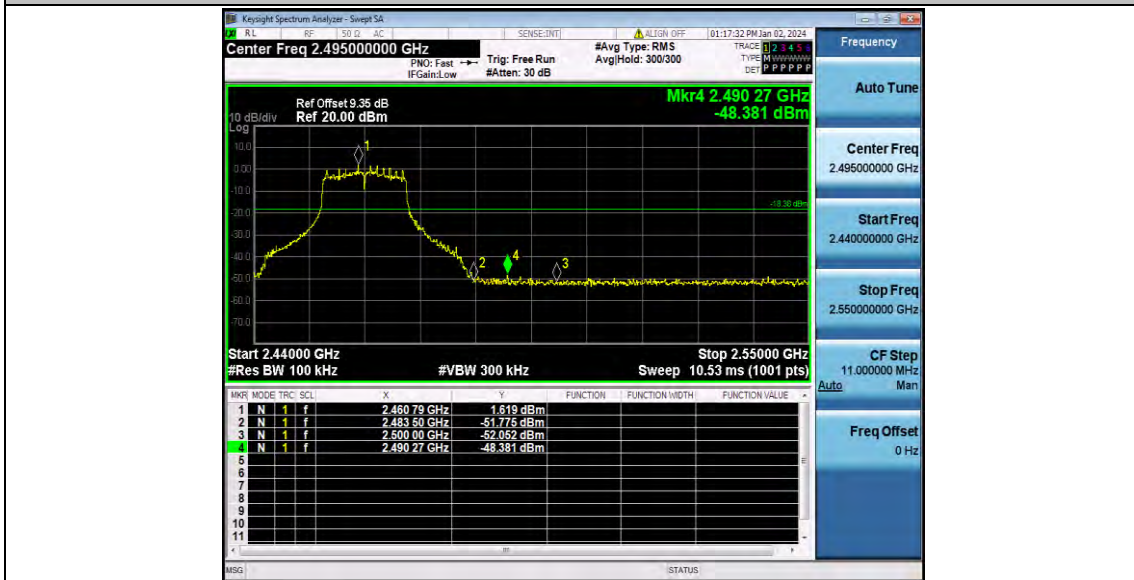
11G_Ant1_Low_2412



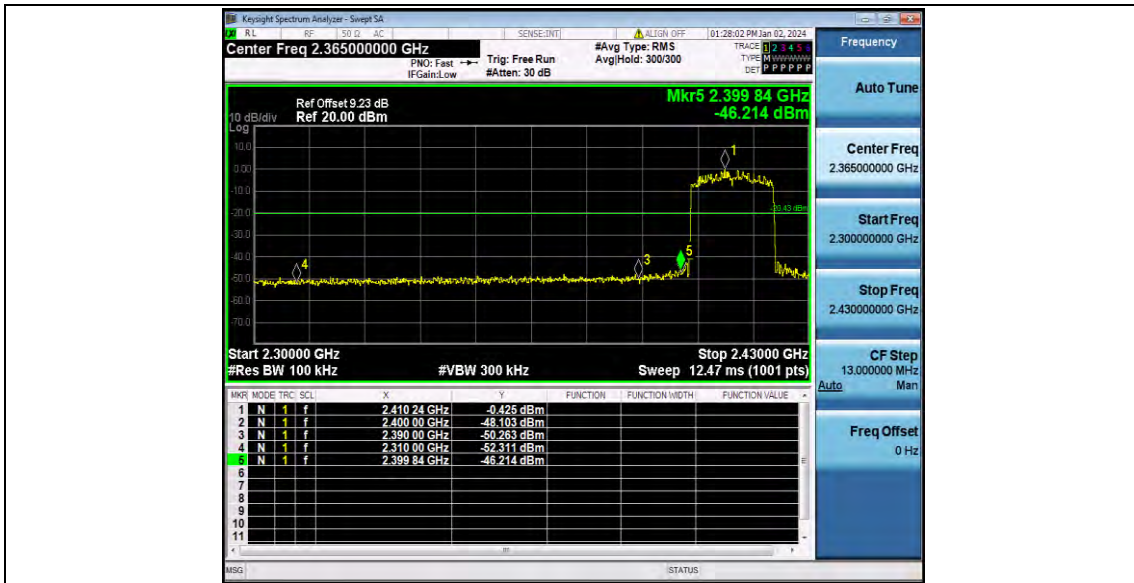
11G_Ant1_High_2462



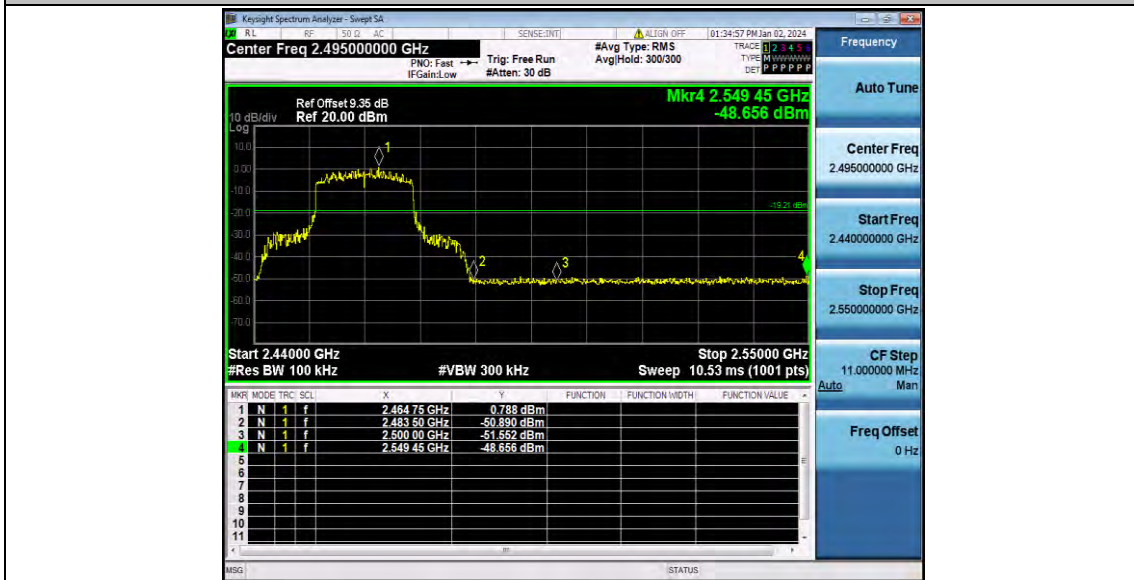
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462

Appendix C.6: Conducted Spurious Emission

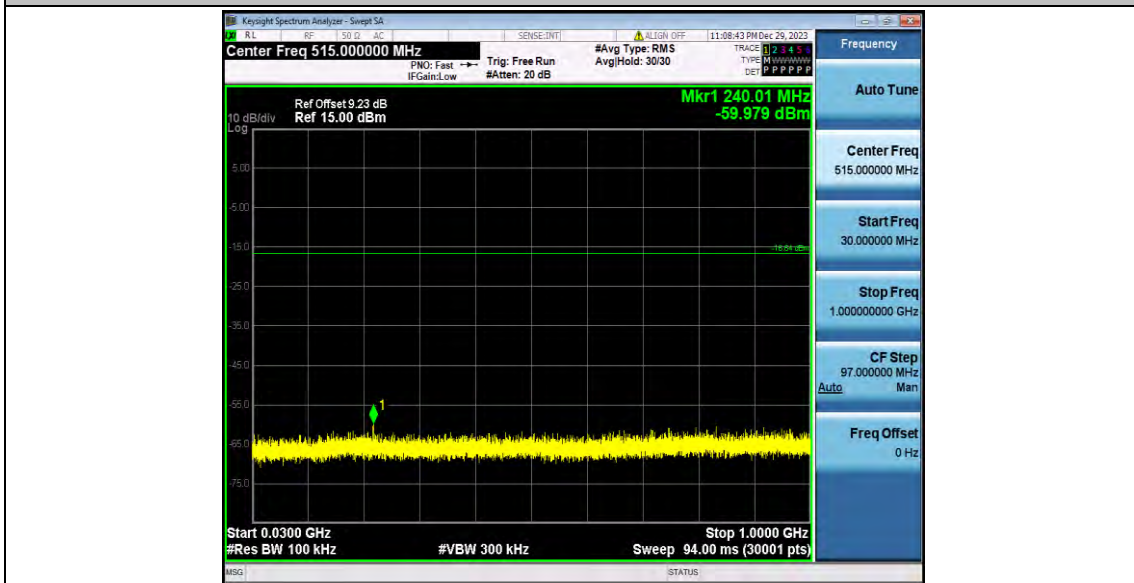
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.36	3.36	---	PASS
			30~1000	3.36	-59.98	≤-16.64	PASS
			1000~26500	3.36	-42.28	≤-16.64	PASS
		2437	Reference	3.78	3.78	---	PASS
			30~1000	3.78	-59.54	≤-16.22	PASS
			1000~26500	3.78	-41.85	≤-16.22	PASS
		2462	Reference	4.32	4.32	---	PASS
			30~1000	4.32	-58.17	≤-15.68	PASS
			1000~26500	4.32	-41.29	≤-15.68	PASS
11G	Ant1	2412	Reference	-2.61	-2.61	---	PASS
			30~1000	-2.61	-59.52	≤-22.61	PASS
			1000~26500	-2.61	-47.73	≤-22.61	PASS
		2437	Reference	1.78	1.78	---	PASS
			30~1000	1.78	-60.58	≤-18.22	PASS
			1000~26500	1.78	-47.49	≤-18.22	PASS
		2462	Reference	2.48	2.48	---	PASS
			30~1000	2.48	-59.99	≤-17.52	PASS
			1000~26500	2.48	-47.38	≤-17.52	PASS
11N20SISO	Ant1	2412	Reference	-1.65	-1.65	---	PASS
			30~1000	-1.65	-59.93	≤-21.65	PASS
			1000~26500	-1.65	-47.95	≤-21.65	PASS
		2437	Reference	-0.04	-0.04	---	PASS
			30~1000	-0.04	-60.43	≤-20.04	PASS
			1000~26500	-0.04	-47.03	≤-20.04	PASS
		2462	Reference	1.62	1.62	---	PASS
			30~1000	1.62	-60.17	≤-18.38	PASS
			1000~26500	1.62	-47.64	≤-18.38	PASS
11AX20SISO	Ant1	2412	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-59.17	≤-22.08	PASS
			1000~26500	-2.08	-48.19	≤-22.08	PASS
		2437	Reference	-1.04	-1.04	---	PASS
			30~1000	-1.04	-60.41	≤-21.04	PASS
			1000~26500	-1.04	-47.51	≤-21.04	PASS
		2462	Reference	-2.25	-2.25	---	PASS
			30~1000	-2.25	-60.42	≤-22.25	PASS
			1000~26500	-2.25	-47.73	≤-22.25	PASS

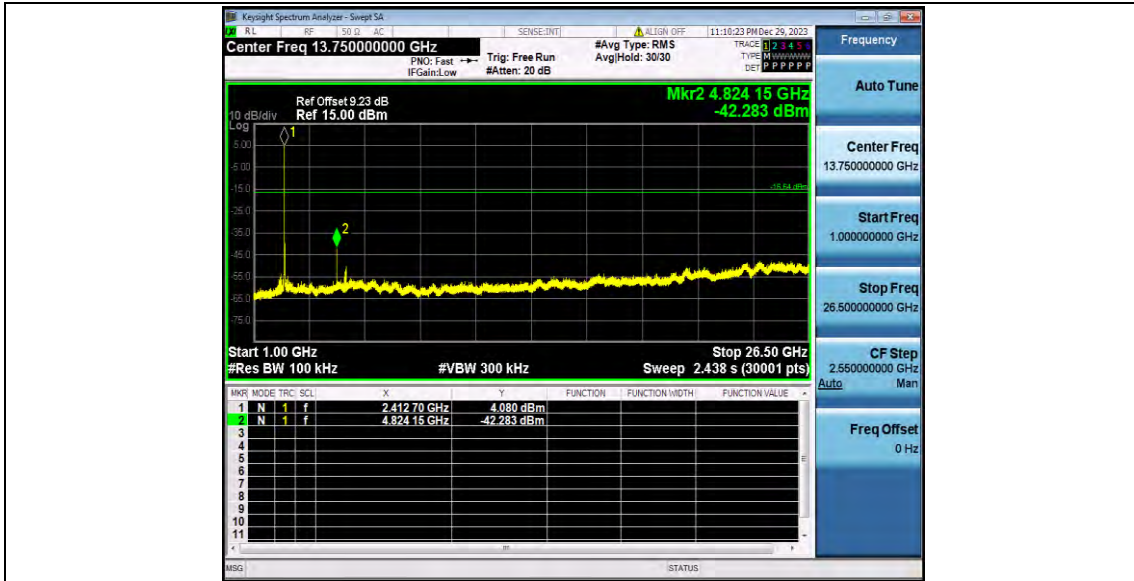
Test Graphs



11B_Ant1_2412_0~Reference



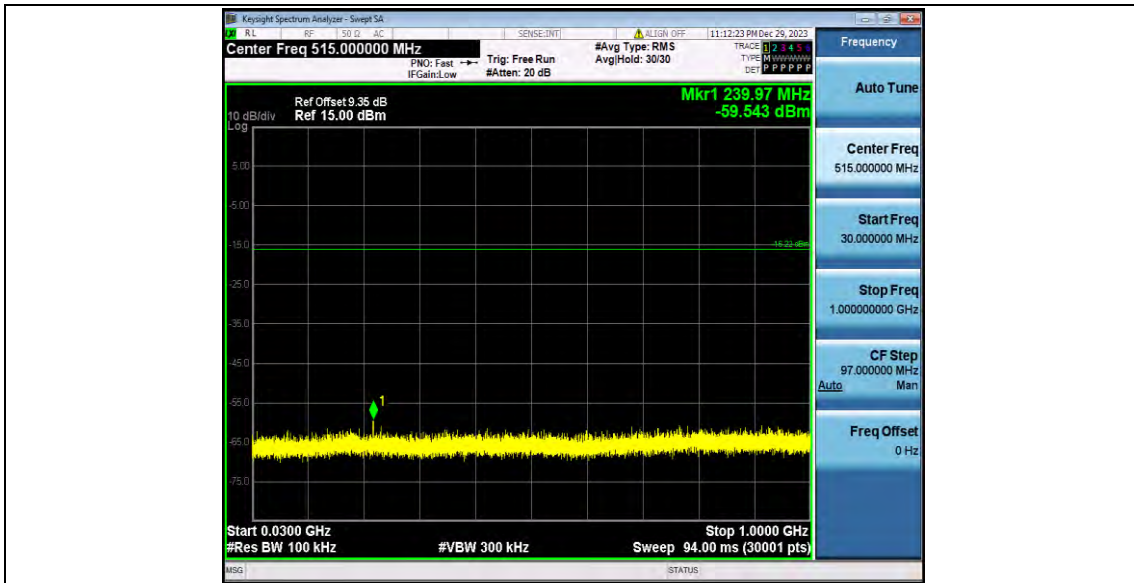
11B_Ant1_2412_30~1000



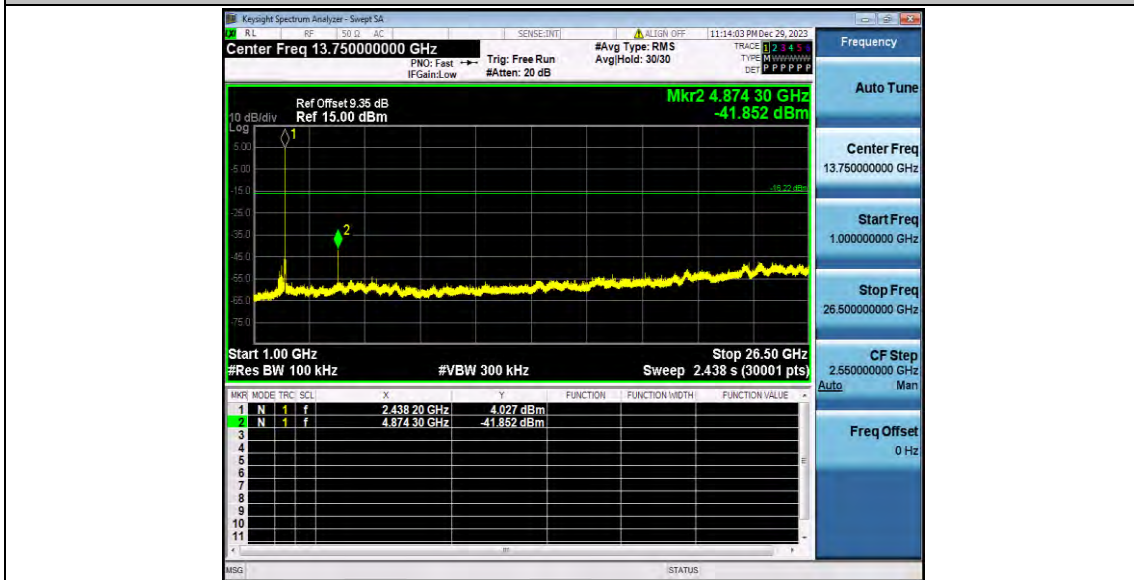
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



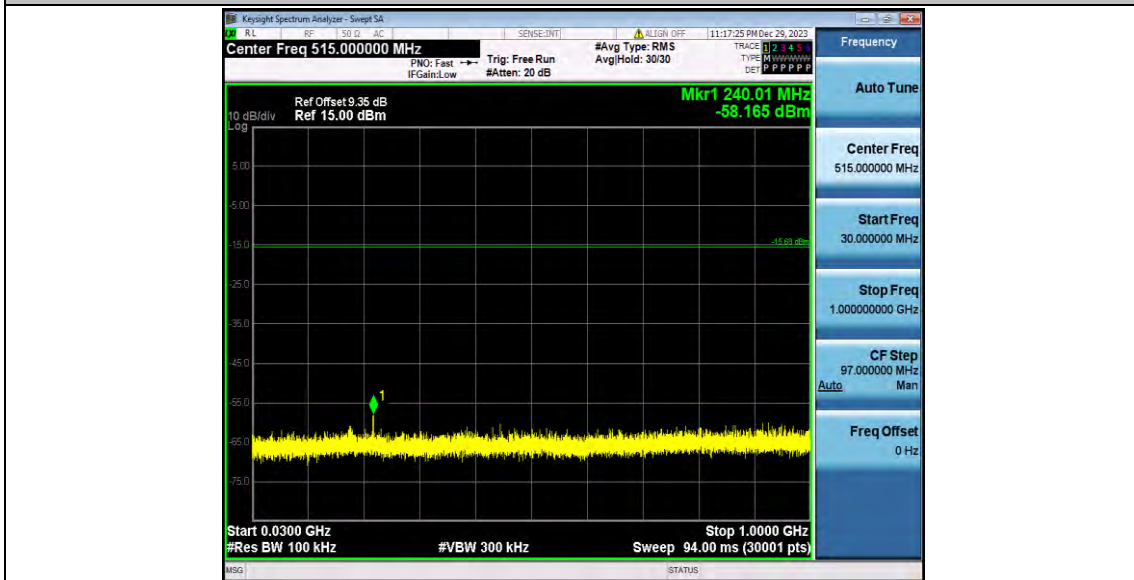
11B_Ant1_2437_30~1000



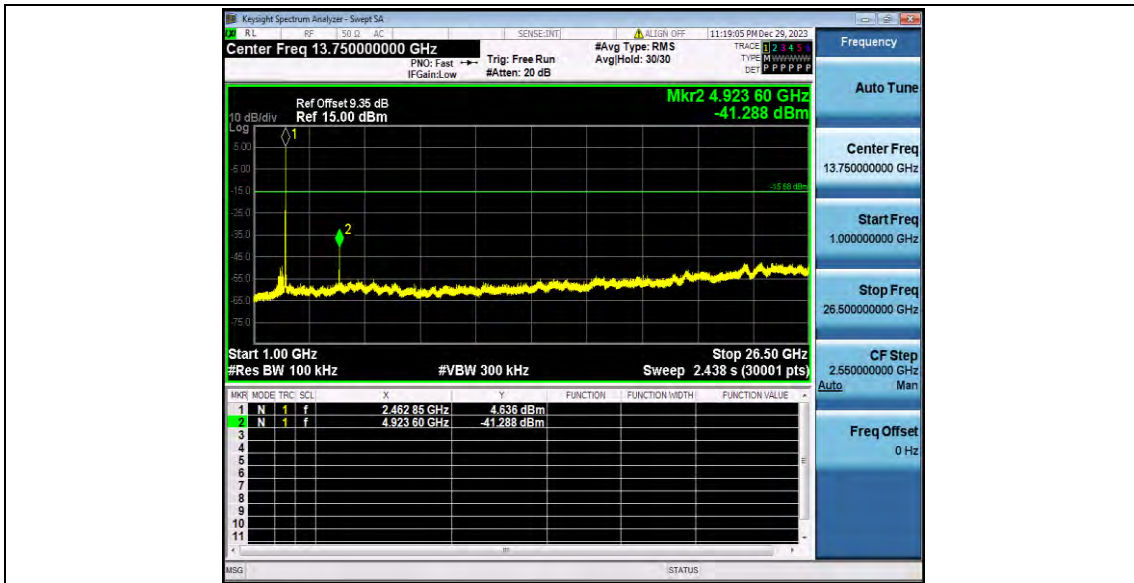
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



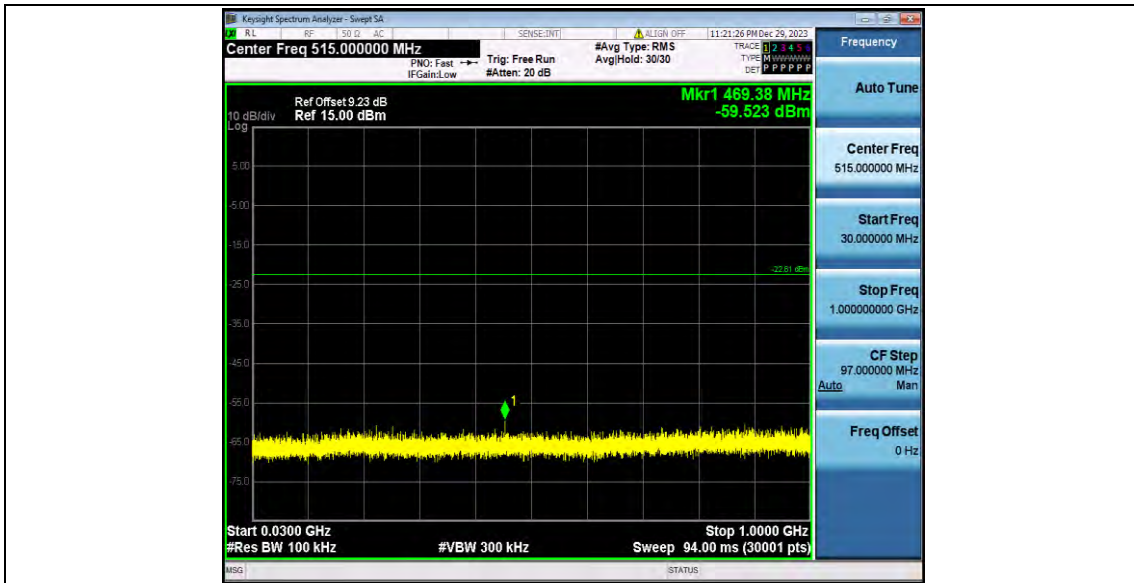
11B_Ant1_2462_30~1000



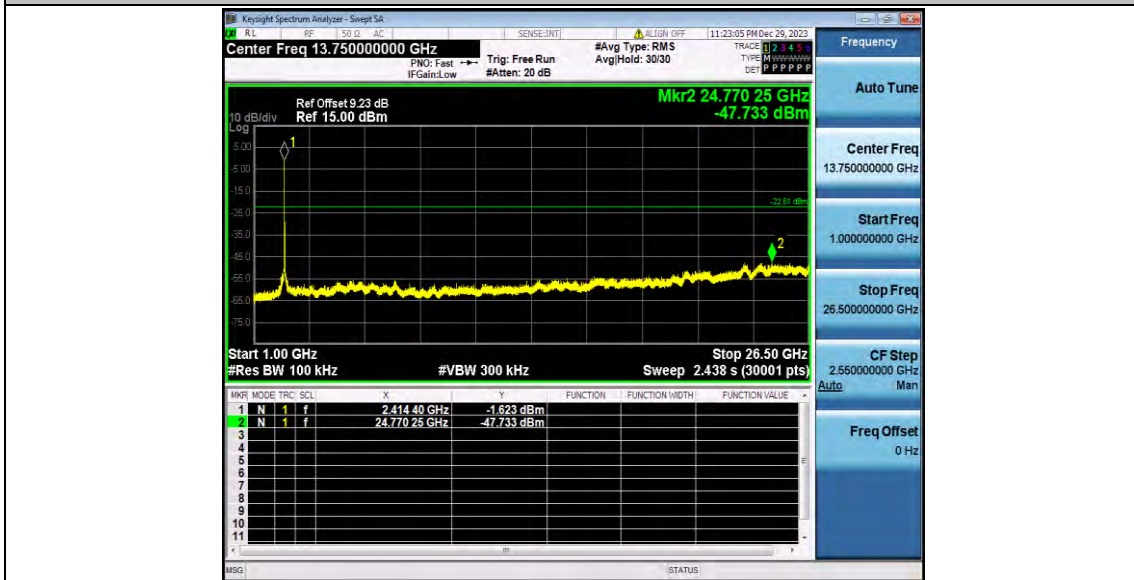
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



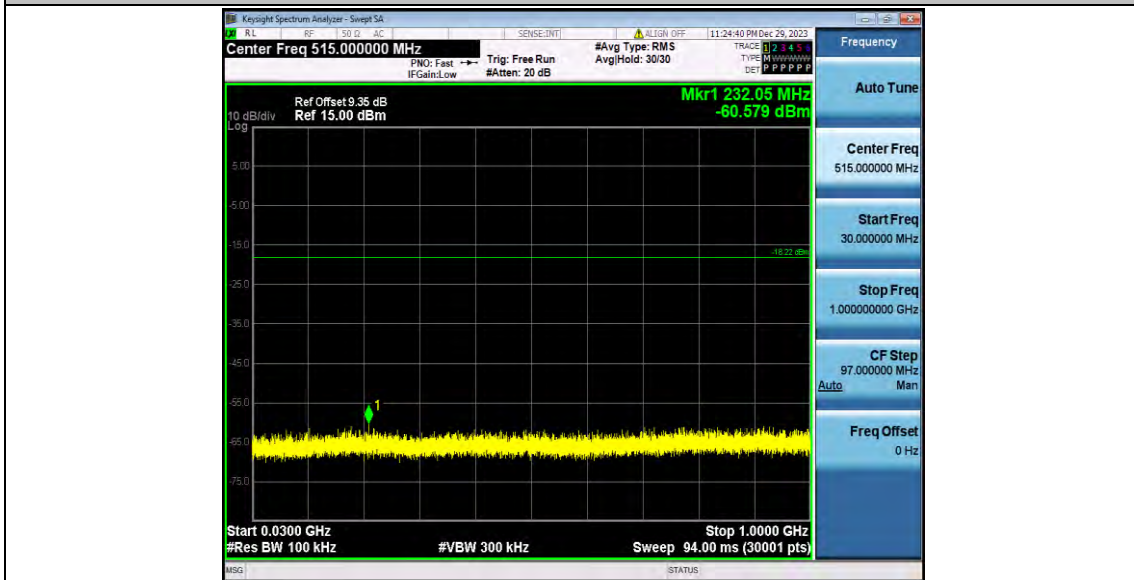
11G_Ant1_2412_30~1000



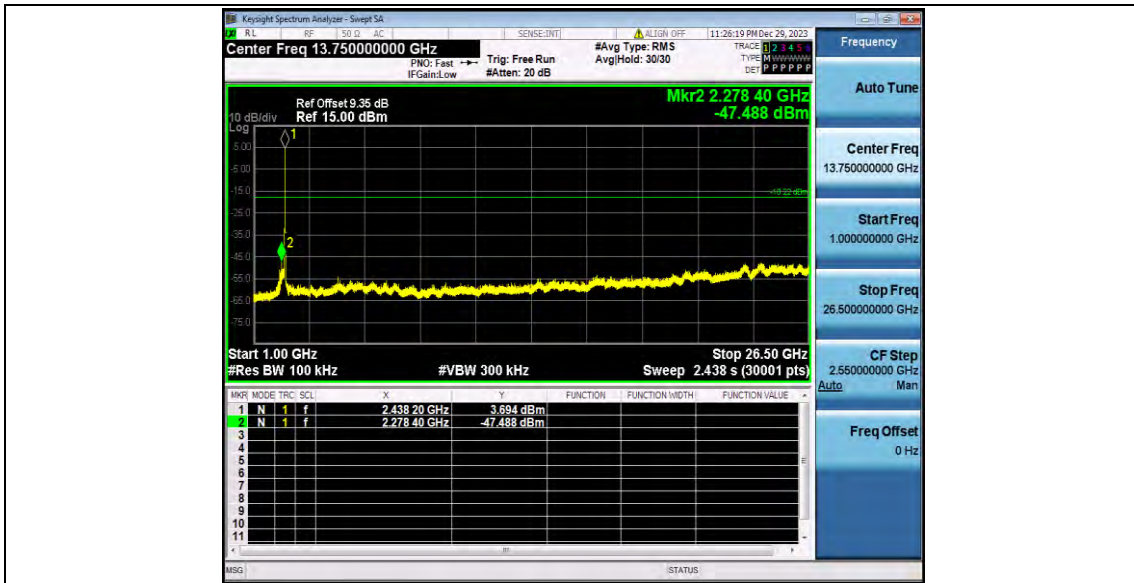
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



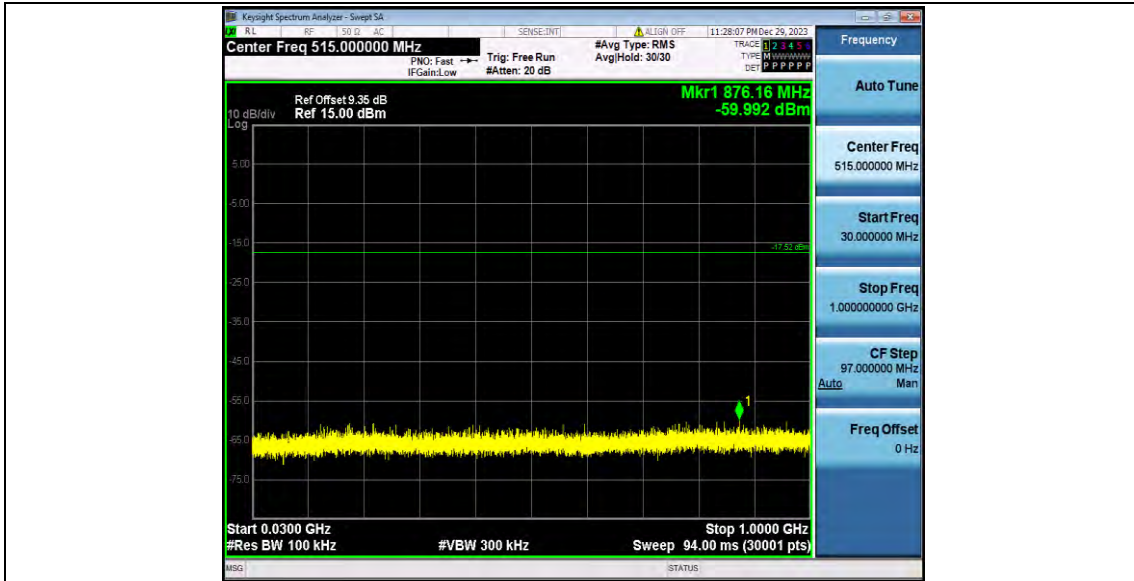
11G_Ant1_2437_30~1000



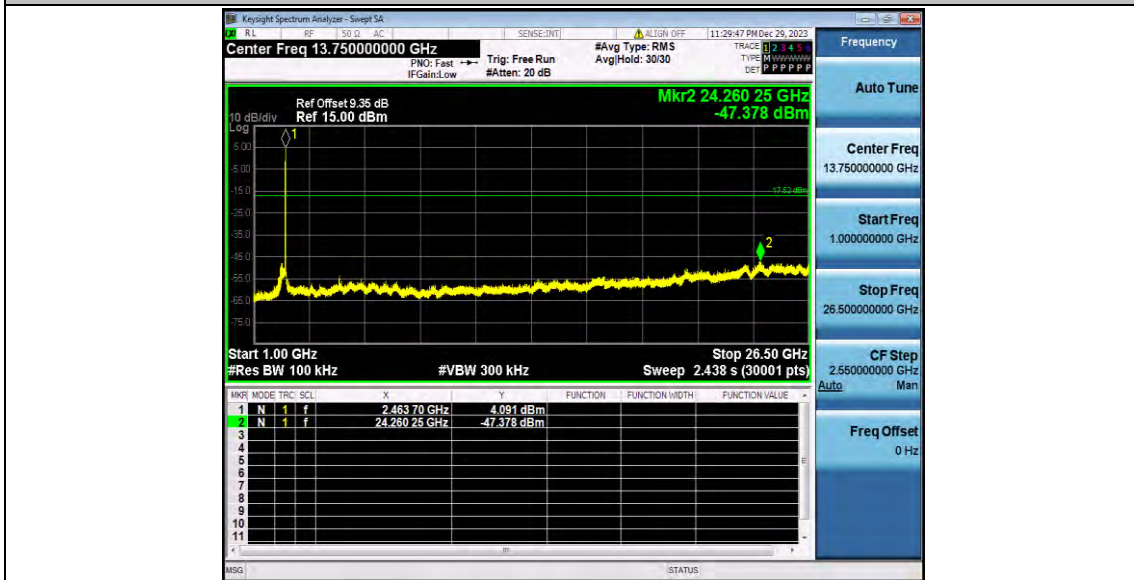
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



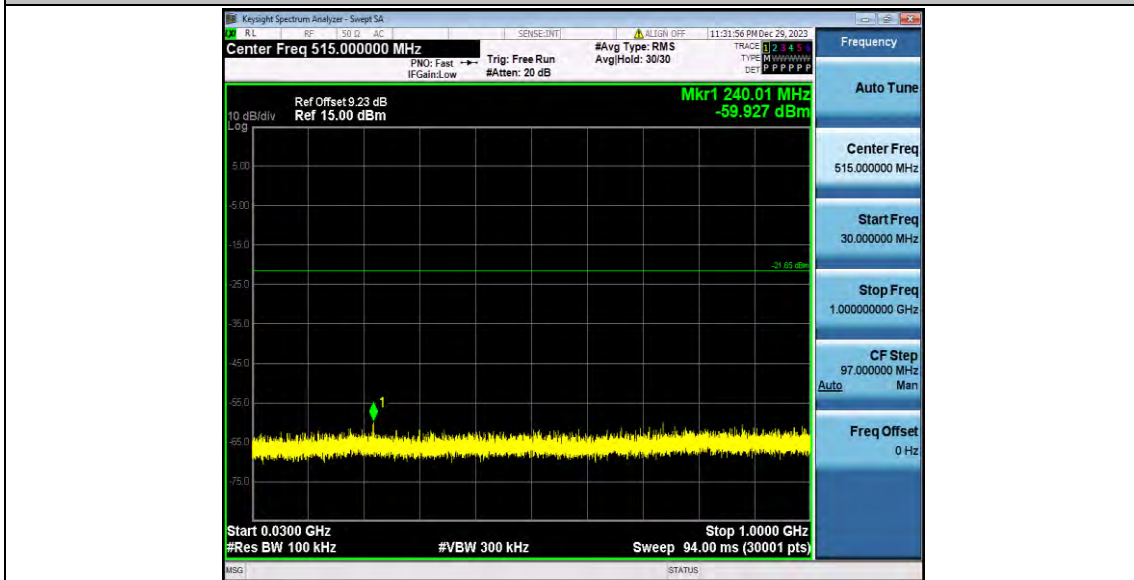
11G_Ant1_2462_30~1000



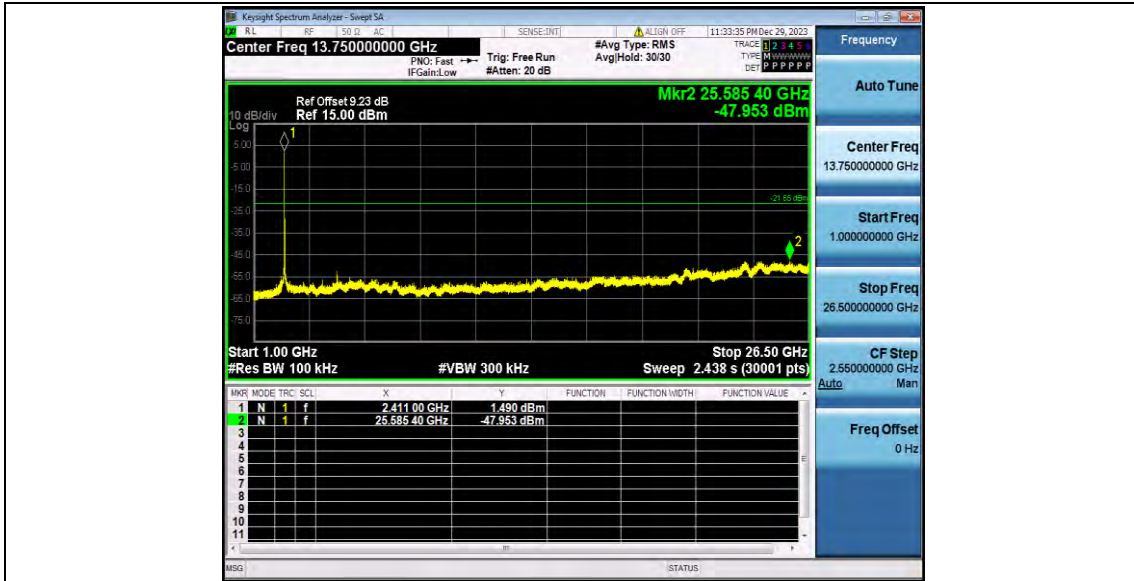
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



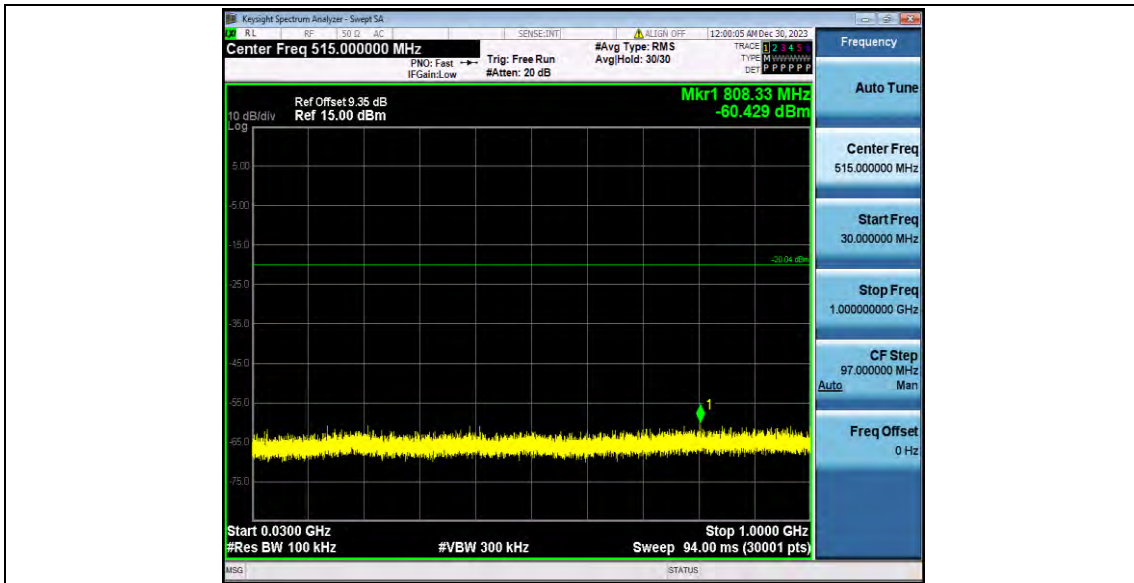
11N20SISO_Ant1_2412_30~1000



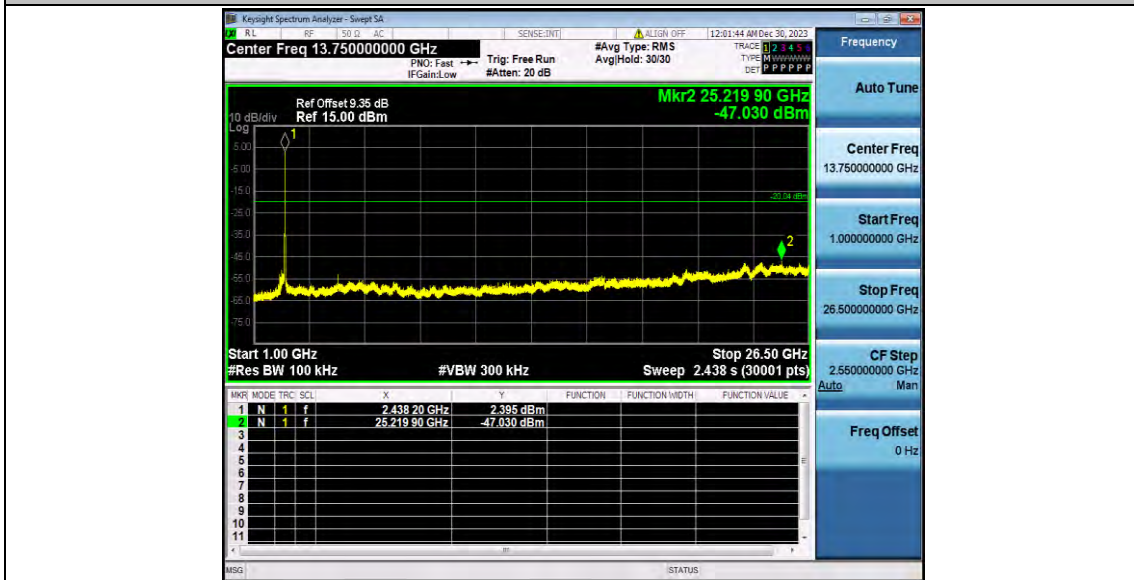
11N20SISO_Ant1_2412_1000~26500



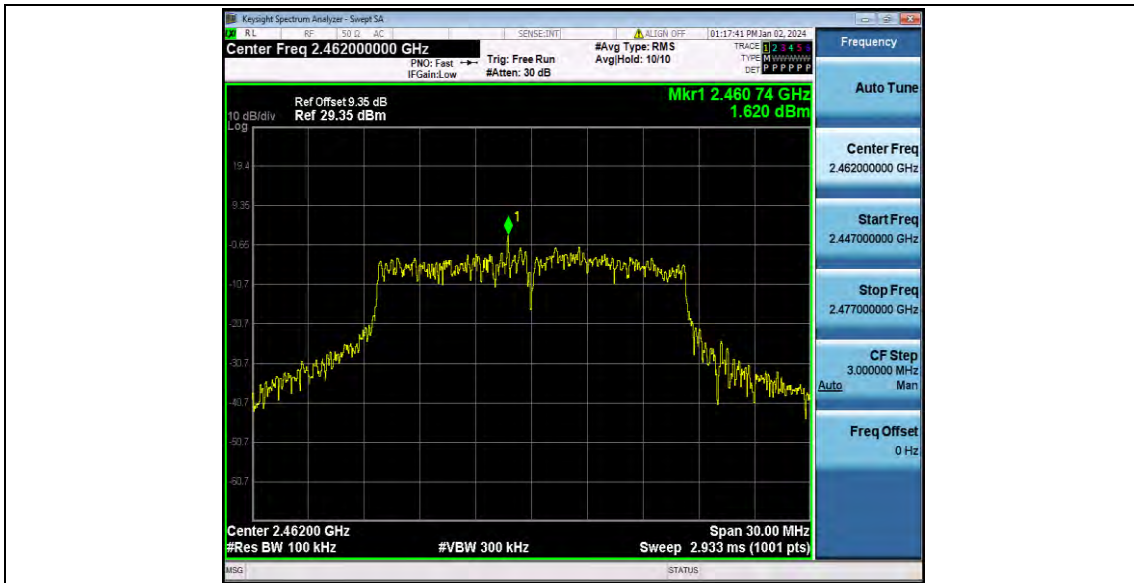
11N20SISO_Ant1_2437_0~Reference



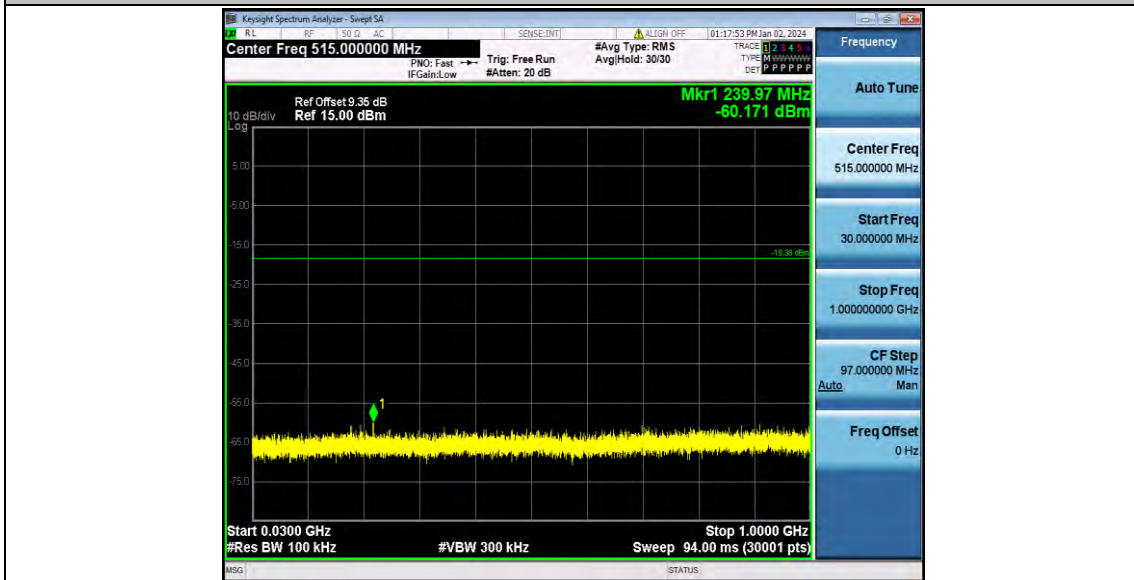
11N20SISO_Ant1_2437_30~1000



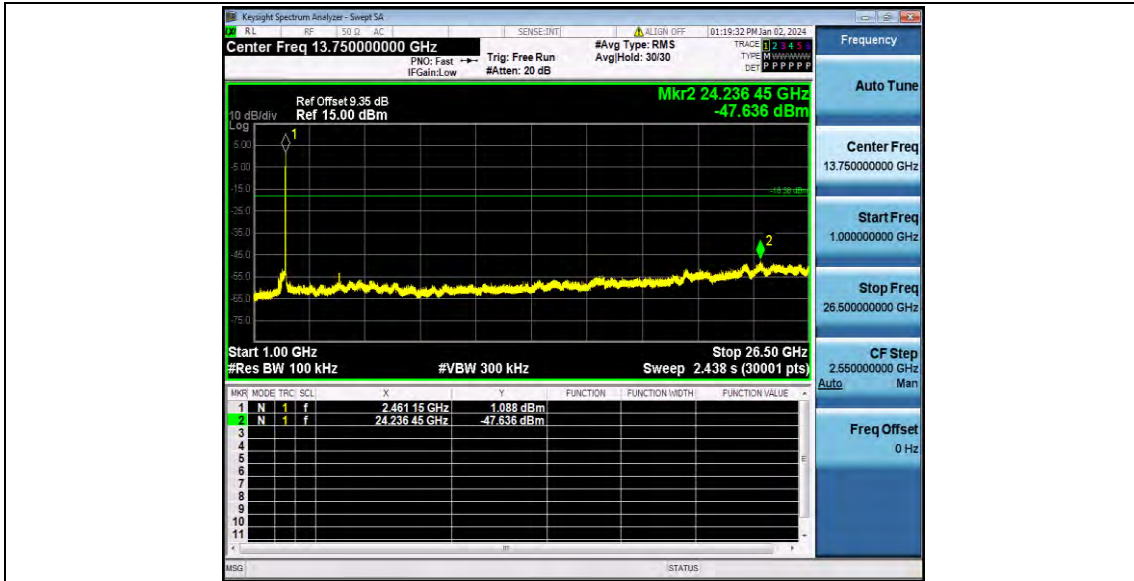
11N20SISO_Ant1_2437_1000~26500



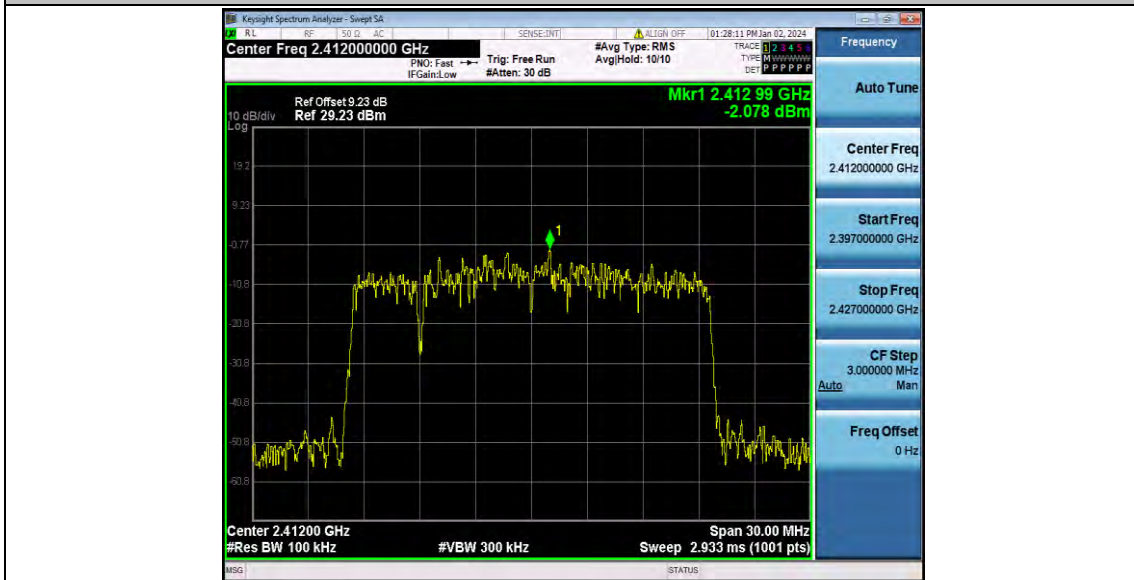
11N20SISO_Ant1_2462_0~Reference



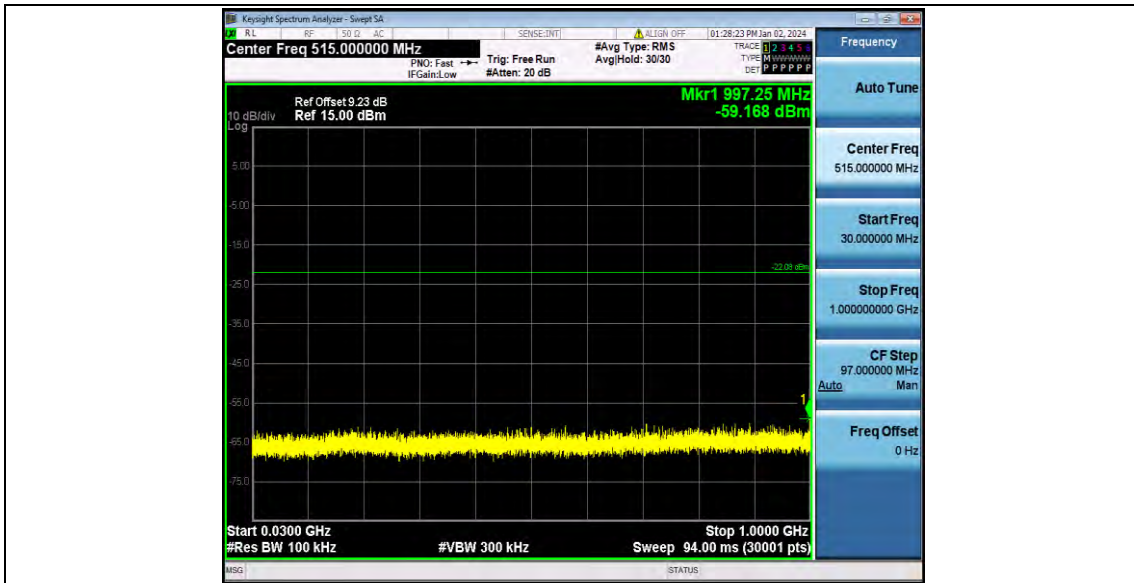
11N20SISO_Ant1_2462_30~1000



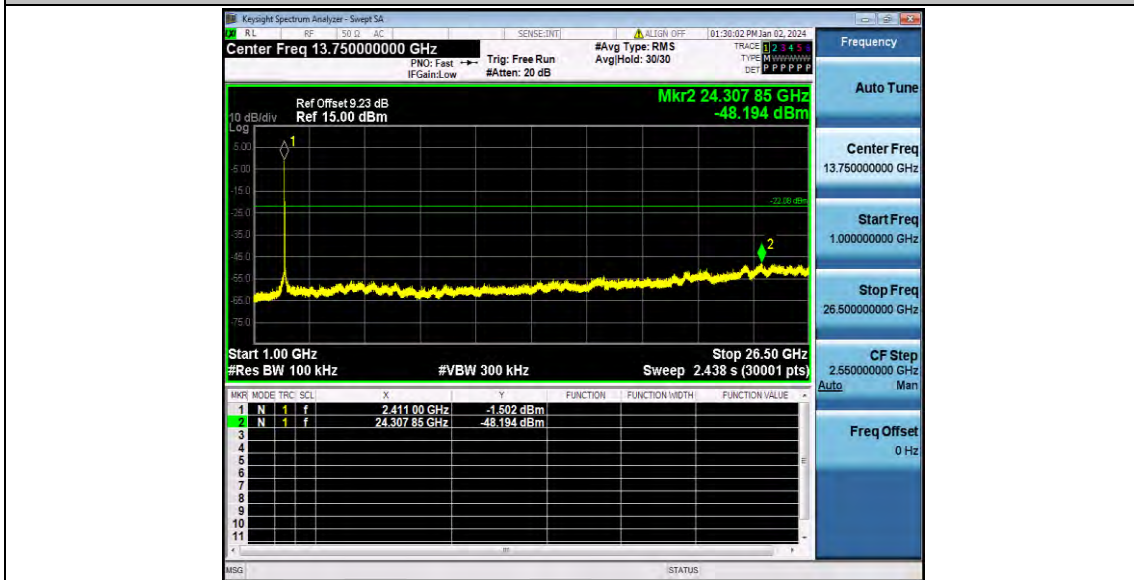
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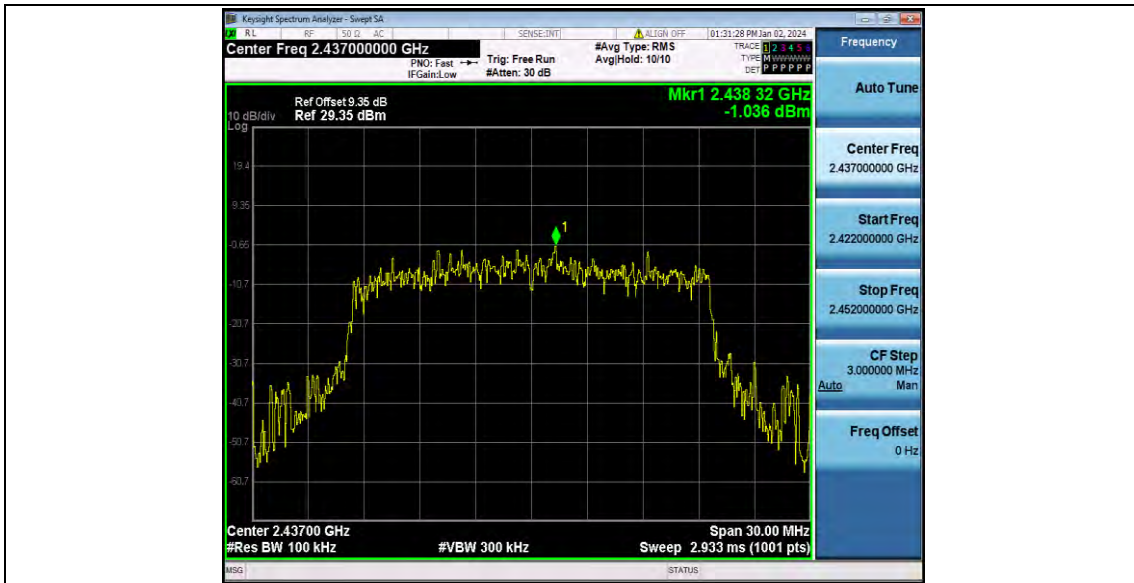
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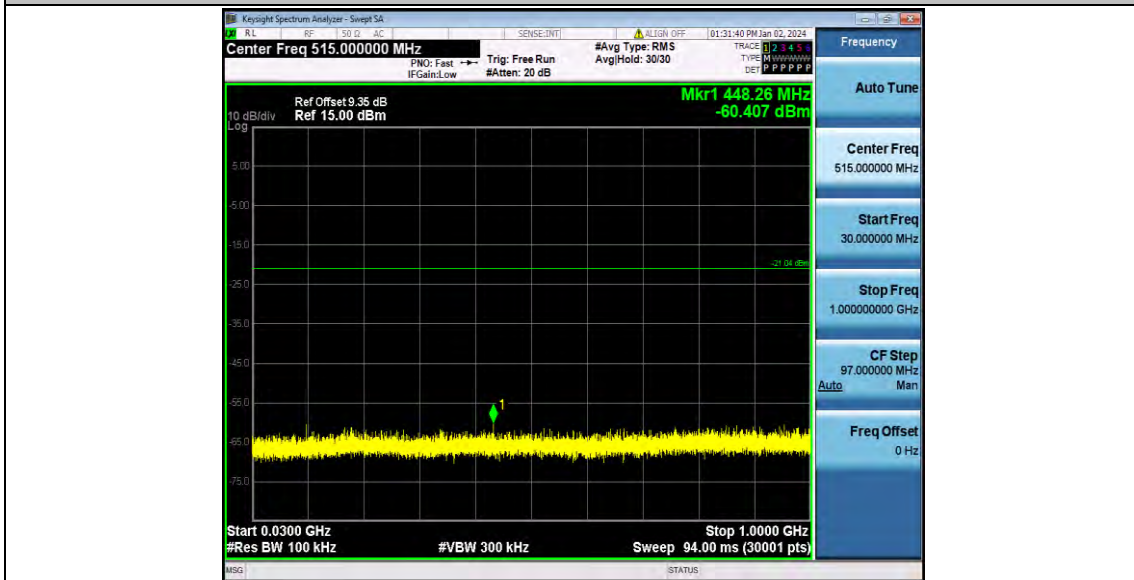
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11AX20SISO_Ant1_2412_1000~26500



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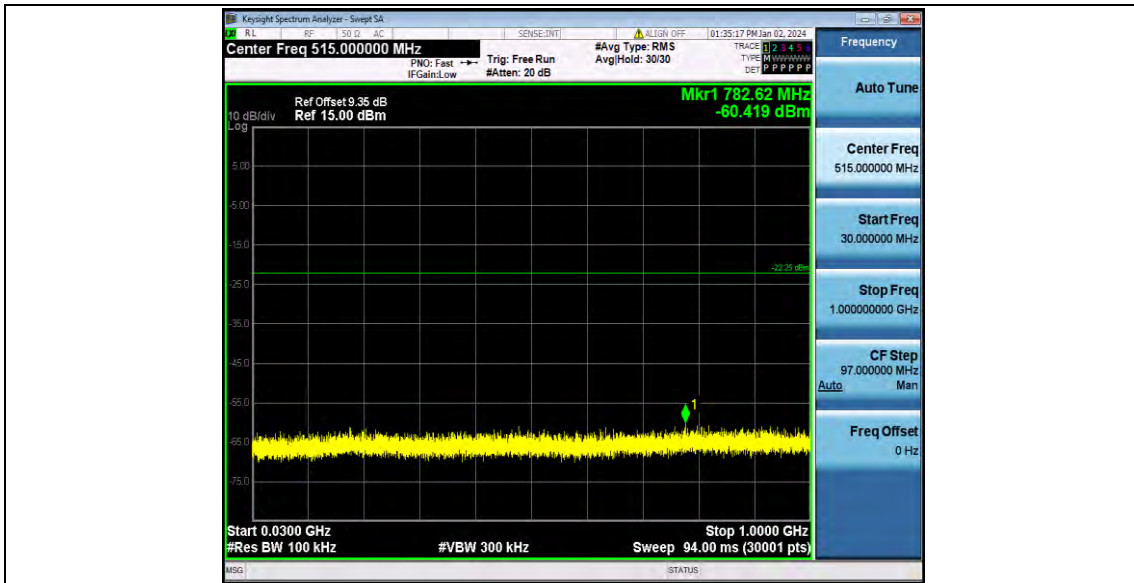
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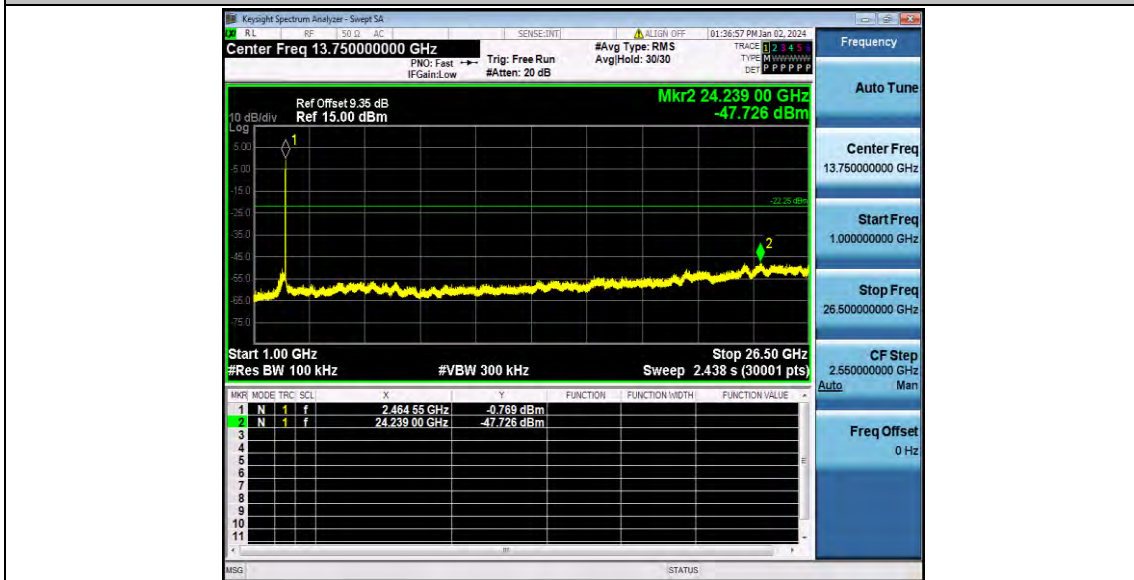
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11AX20SISO_Ant1_2462_0~Reference



11AX20SISO_Ant1_2462_30~1000



11AX20SISO_Ant1_2462_1000~26500