

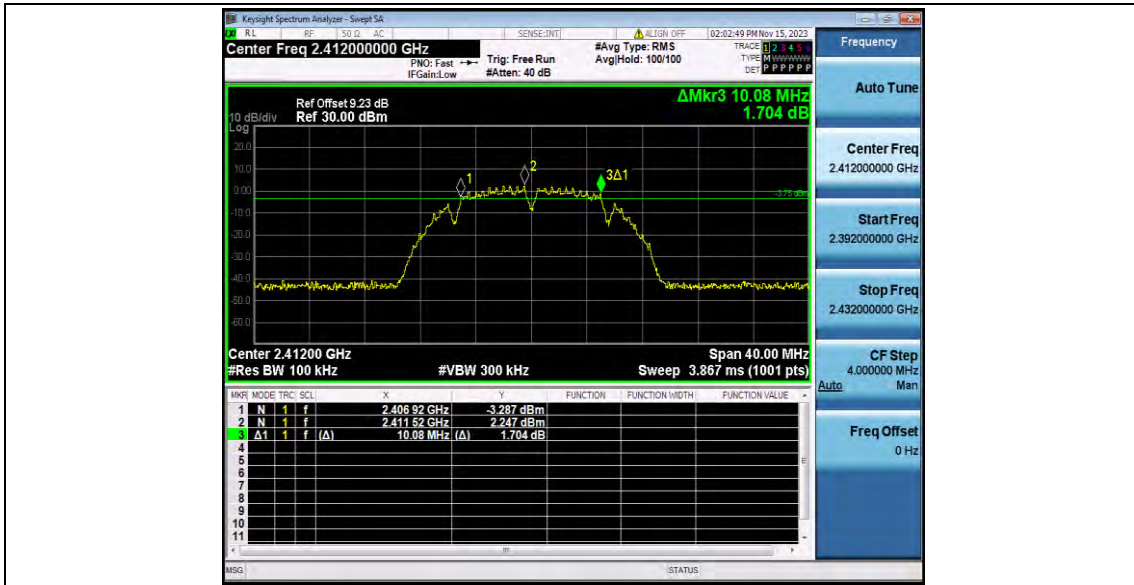
Case No. : <u>GTS20231017004-1-23</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.11.14</u> Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

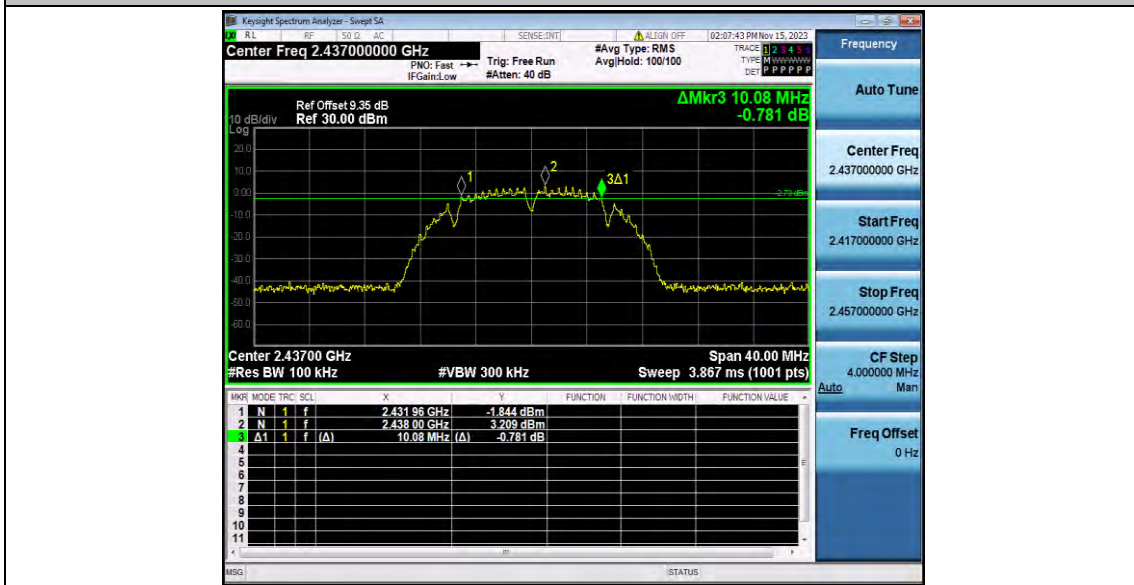
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.920	2417.000	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	15.280	2404.480	2419.760	0.5	PASS
		2437	13.840	2430.720	2444.560	0.5	PASS
		2462	14.680	2454.440	2469.120	0.5	PASS
11N20SISO	Ant1	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	13.760	2430.760	2444.520	0.5	PASS
		2462	15.040	2454.440	2469.480	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	33.760	2435.760	2469.520	0.5	PASS

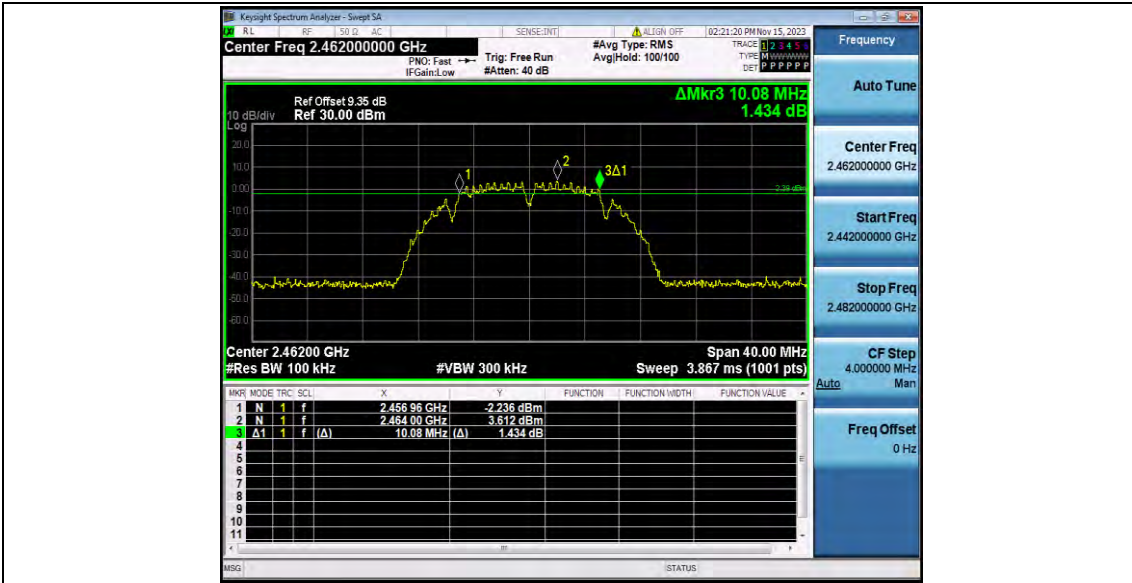
Test Graphs



11B_Ant1_2412



11B_Ant1_2437



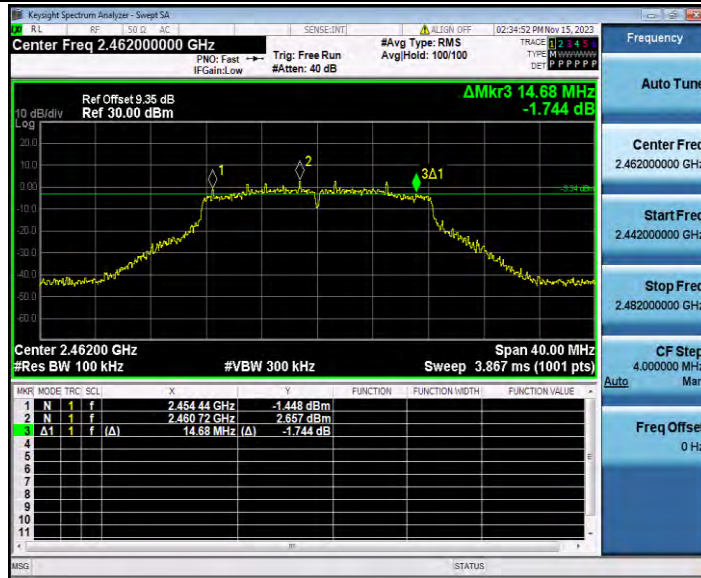
11B_Ant1_2462



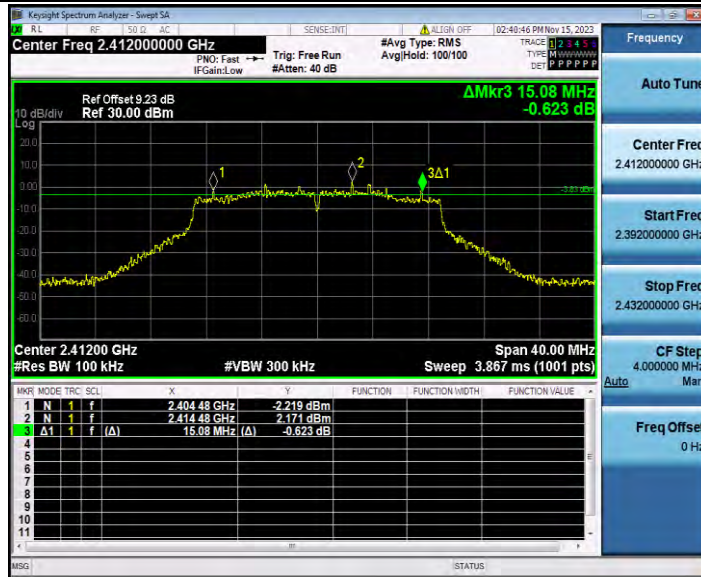
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



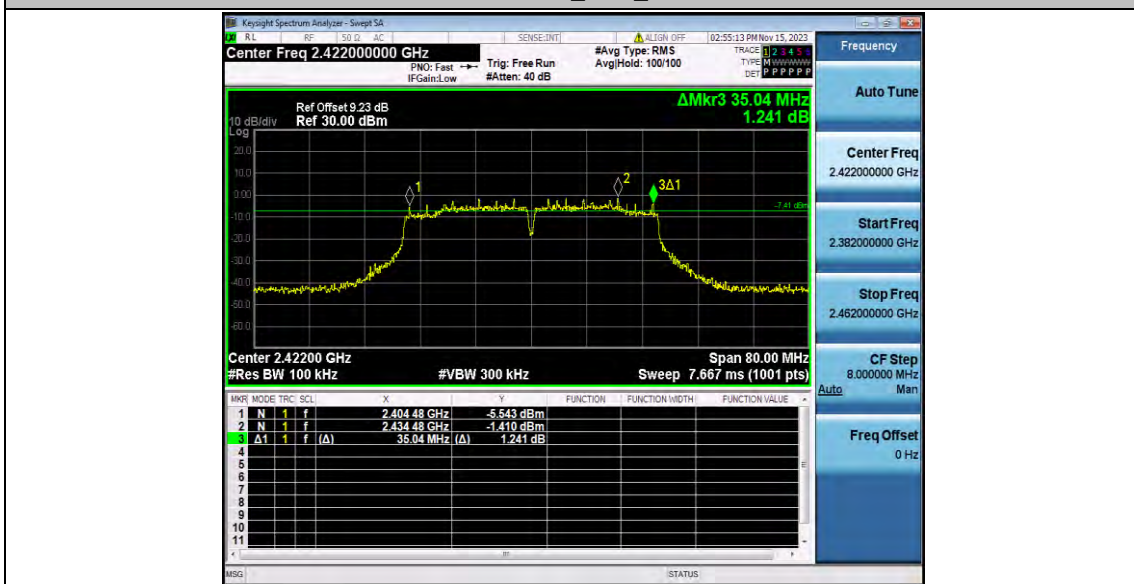
11N20SISO_Ant1_2412



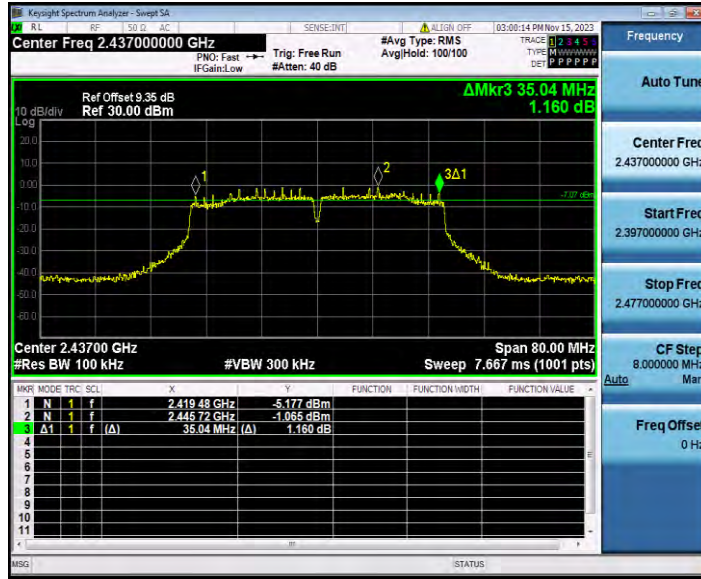
11N20SISO_Ant1_2437



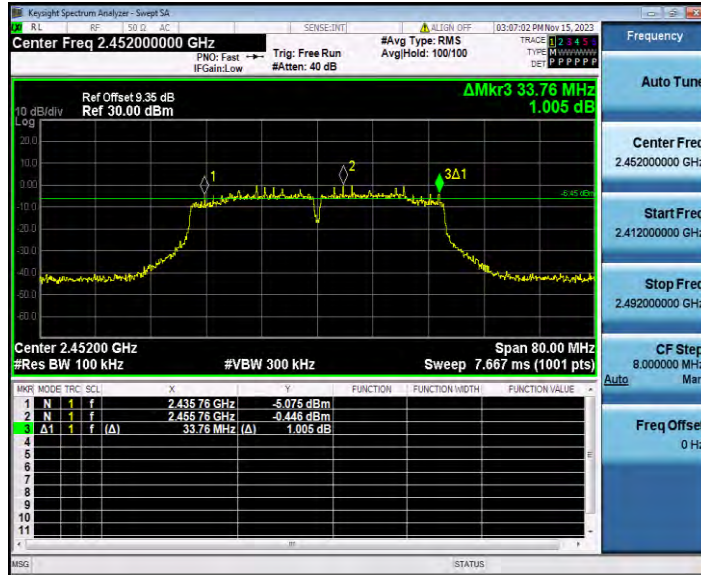
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix C.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.487	2405.233	2418.720	---	---
		2437	13.529	2430.302	2443.831	---	---
		2462	13.478	2455.273	2468.751	---	---
11G	Ant1	2412	16.856	2403.503	2420.359	---	---
		2437	16.914	2428.581	2445.495	---	---
		2462	16.812	2453.620	2470.432	---	---
11N20SISO	Ant1	2412	17.890	2403.027	2420.917	---	---
		2437	17.966	2428.095	2446.061	---	---
		2462	17.896	2453.077	2470.973	---	---
11N40SISO	Ant1	2422	36.107	2404.021	2440.128	---	---
		2437	36.159	2418.998	2455.157	---	---
		2452	36.034	2434.056	2470.090	---	---

Test Graphs



11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



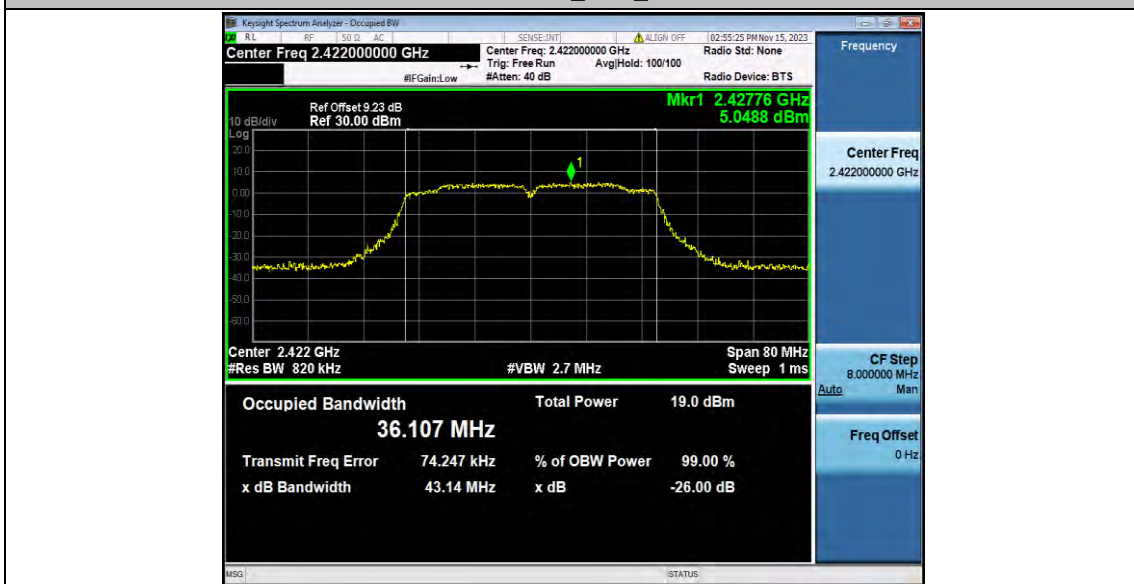
11N20SISO_Ant1_2412



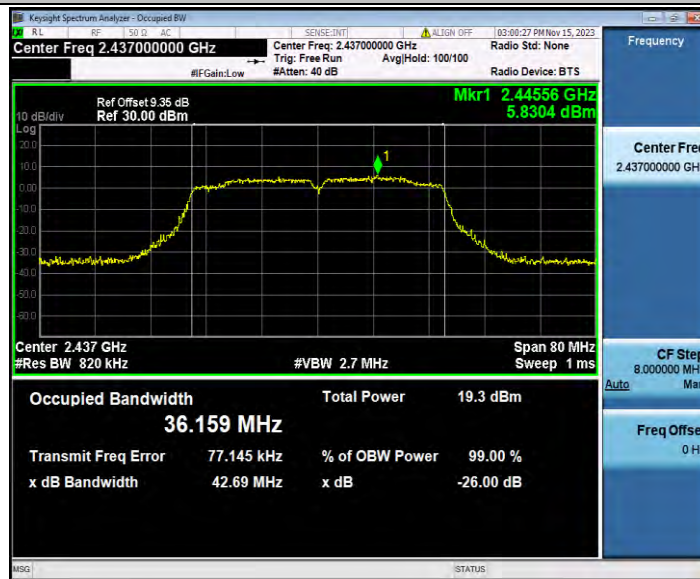
11N20SISO_Ant1_2437



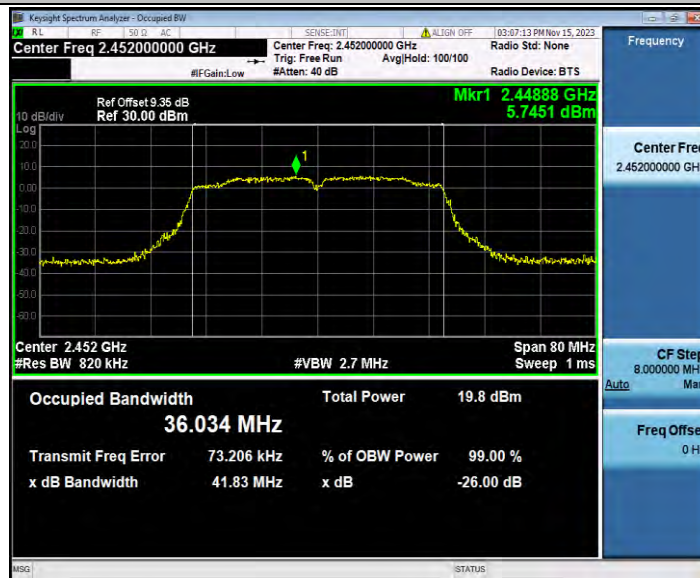
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.22	≤30.00	PASS
		2437	15.52	≤30.00	PASS
		2462	15.98	≤30.00	PASS
11G	Ant1	2412	19.23	≤30.00	PASS
		2437	19.46	≤30.00	PASS
		2462	20.08	≤30.00	PASS
11N20SISO	Ant1	2412	19.27	≤30.00	PASS
		2437	19.50	≤30.00	PASS
		2462	20.07	≤30.00	PASS
11N40SISO	Ant1	2422	19.27	≤30.00	PASS
		2437	19.58	≤30.00	PASS
		2452	20.06	≤30.00	PASS

Appendix C.4: Maximum power spectral density

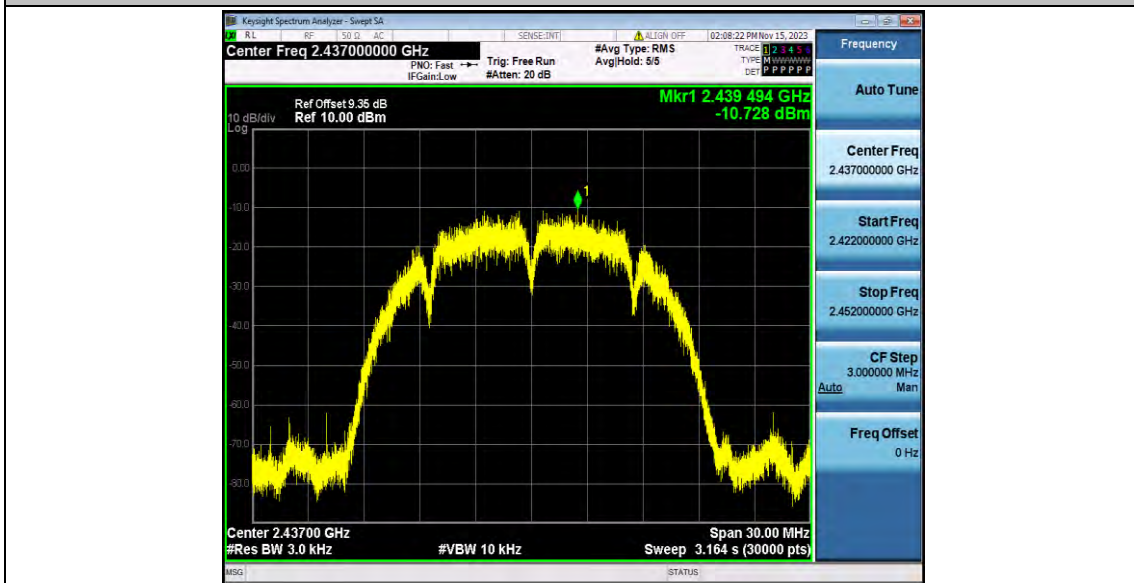
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.54	≤8.00	PASS
		2437	-10.73	≤8.00	PASS
		2462	-9.52	≤8.00	PASS
11G	Ant1	2412	-12.46	≤8.00	PASS
		2437	-12.12	≤8.00	PASS
		2462	-10.71	≤8.00	PASS
11N20SISO	Ant1	2412	-10.78	≤8.00	PASS
		2437	-13.02	≤8.00	PASS
		2462	-11.75	≤8.00	PASS
11N40SISO	Ant1	2422	-16.09	≤8.00	PASS
		2437	-14.66	≤8.00	PASS
		2452	-14.17	≤8.00	PASS

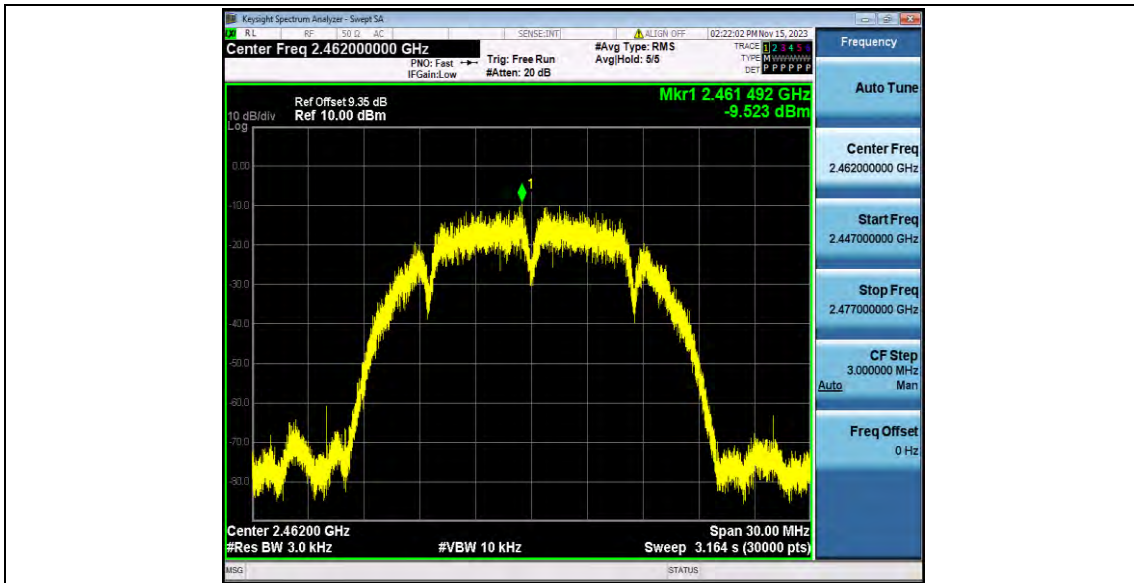
Test Graphs



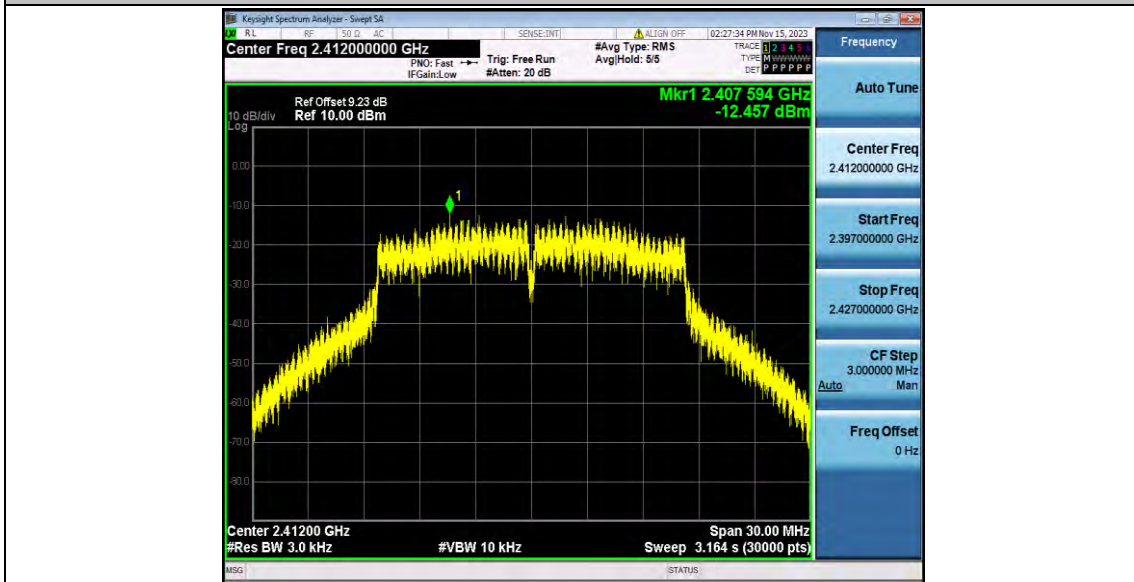
11B_Ant1_2412



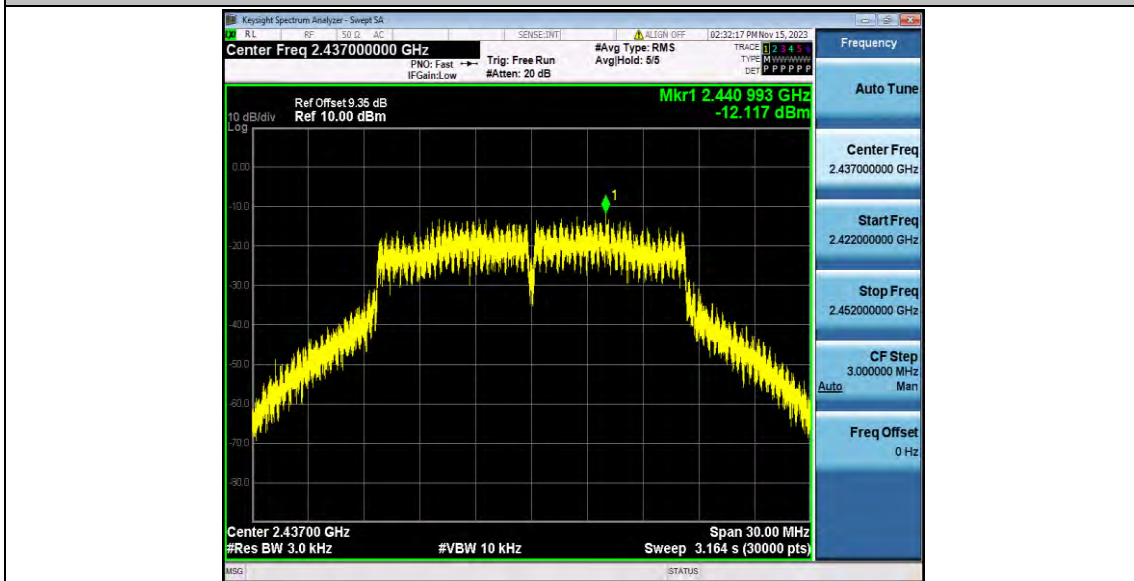
11B_Ant1_2437



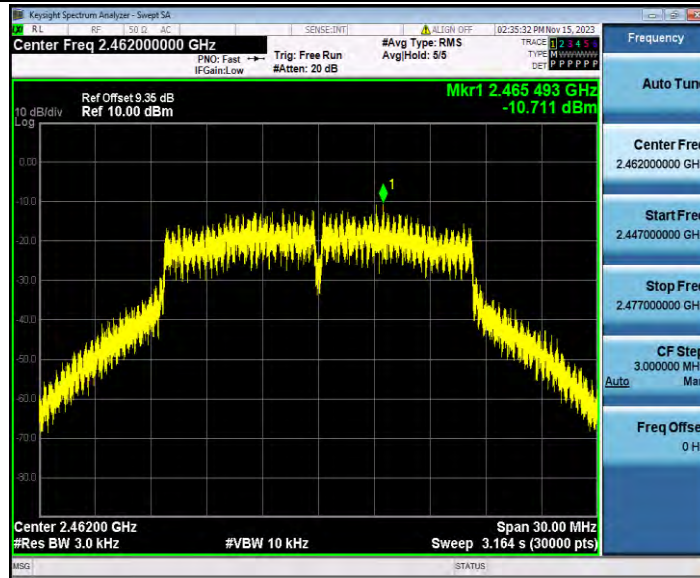
11B_Ant1_2462



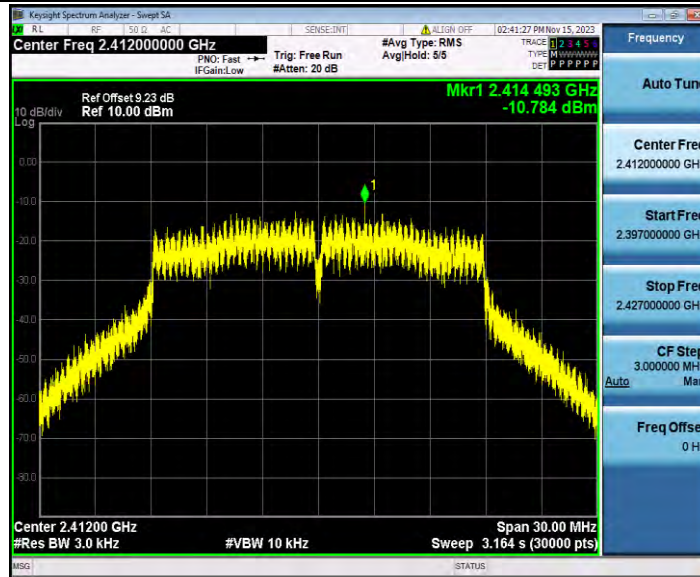
11G_Ant1_2412



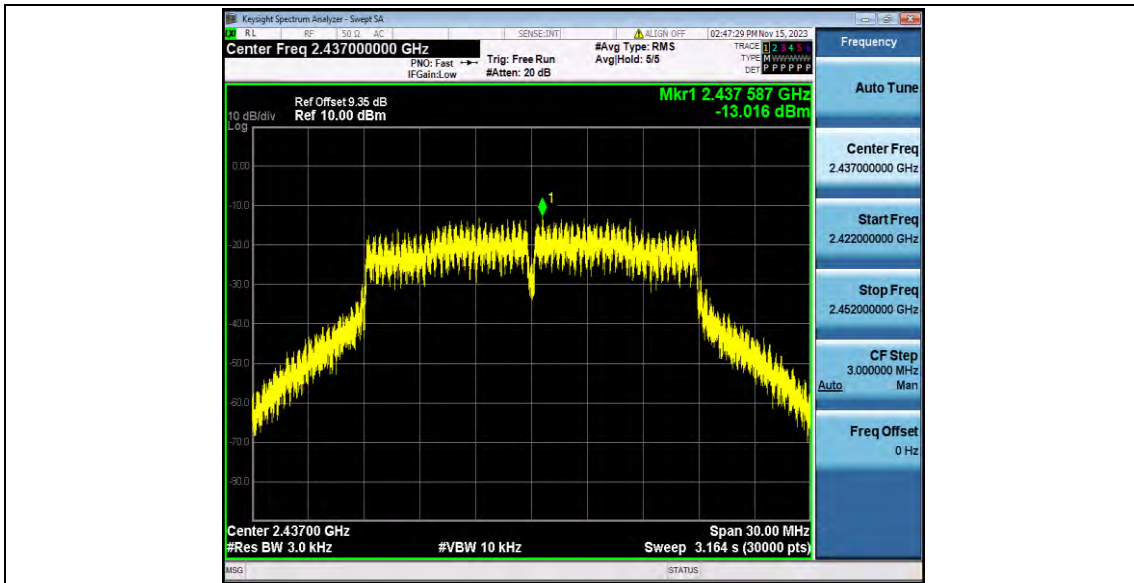
11G_Ant1_2437



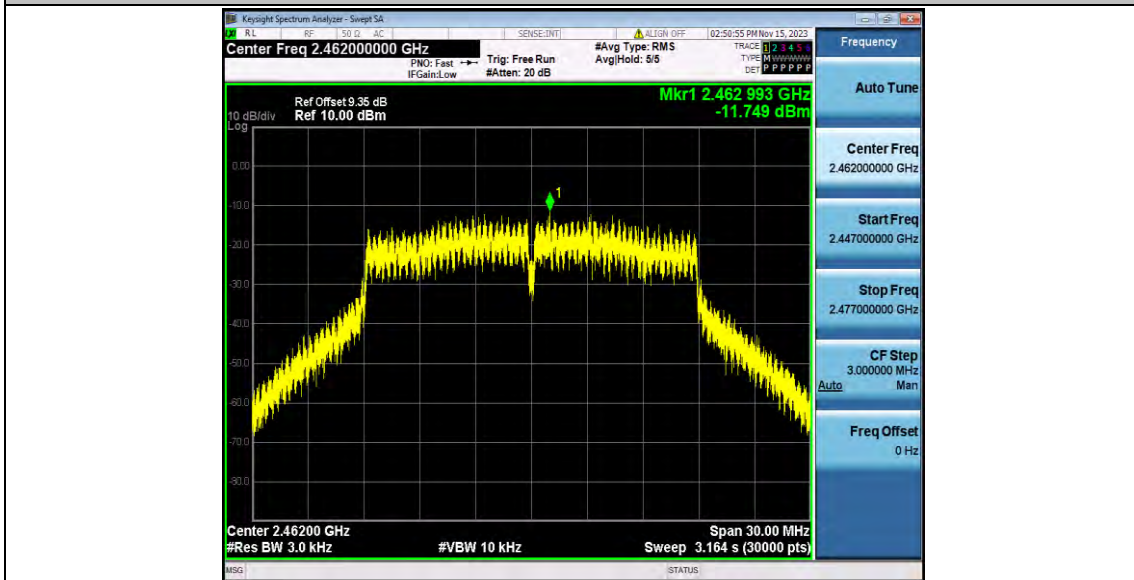
11G_Ant1_2462



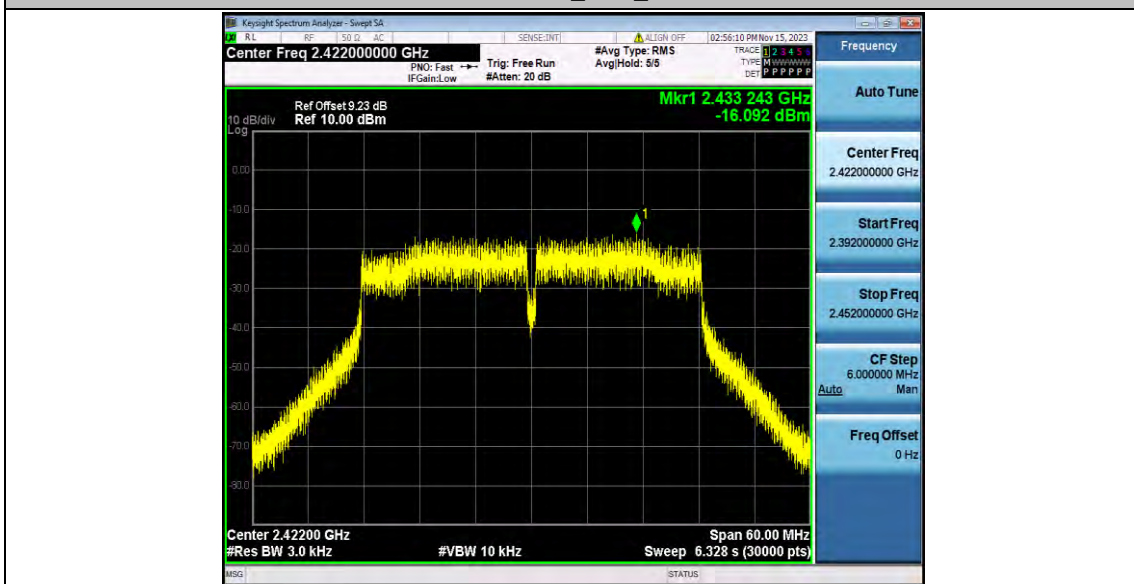
11N20SISO_Ant1_2412



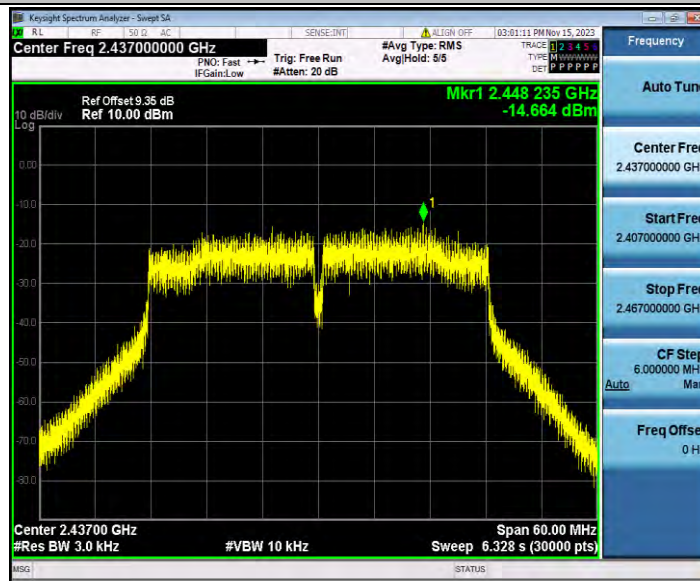
11N20SISO_Ant1_2437



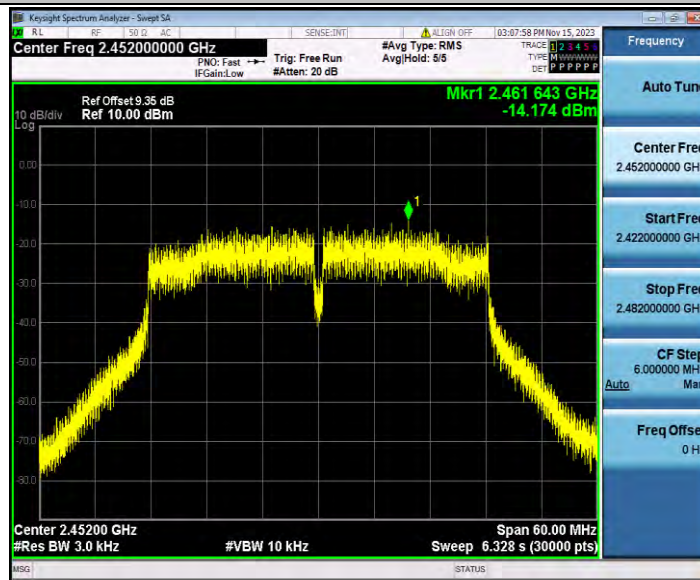
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



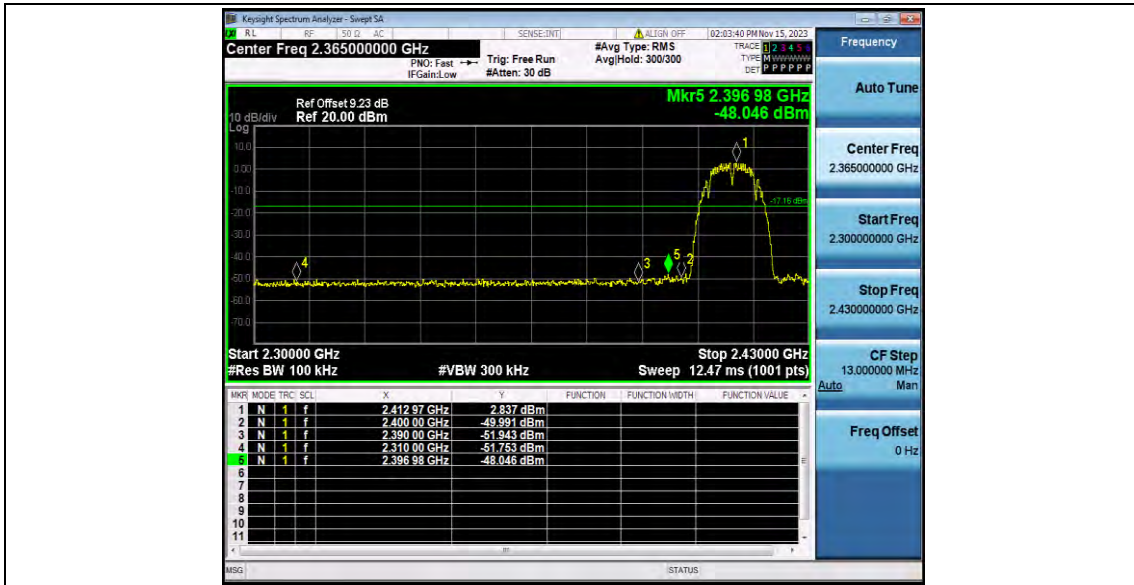
11N40SISO_Ant1_2452

Appendix C.5: Band edge measurements

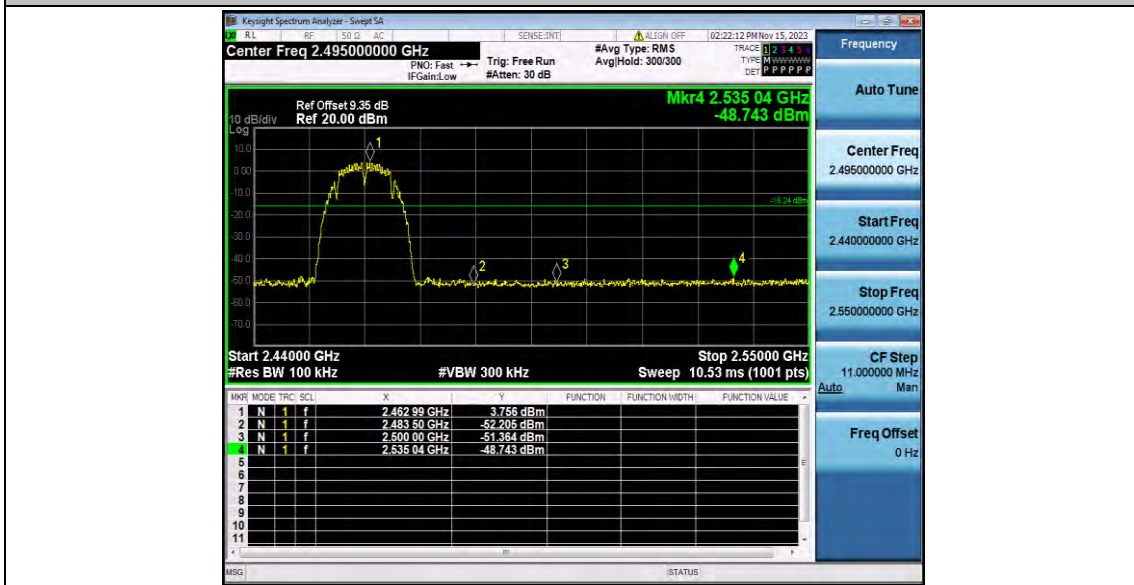
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.84	-48.05	≤-17.16	PASS
		High	2462	3.76	-48.74	≤-16.24	PASS
11G	Ant1	Low	2412	2.32	-28.02	≤-17.68	PASS
		High	2462	2.85	-48.92	≤-17.15	PASS
11N20SISO	Ant1	Low	2412	2.46	-28.51	≤-17.54	PASS
		High	2462	3.11	-47.16	≤-16.89	PASS
11N40SISO	Ant1	Low	2422	-1.49	-32.09	≤-21.49	PASS
		High	2452	-0.14	-46.53	≤-20.14	PASS

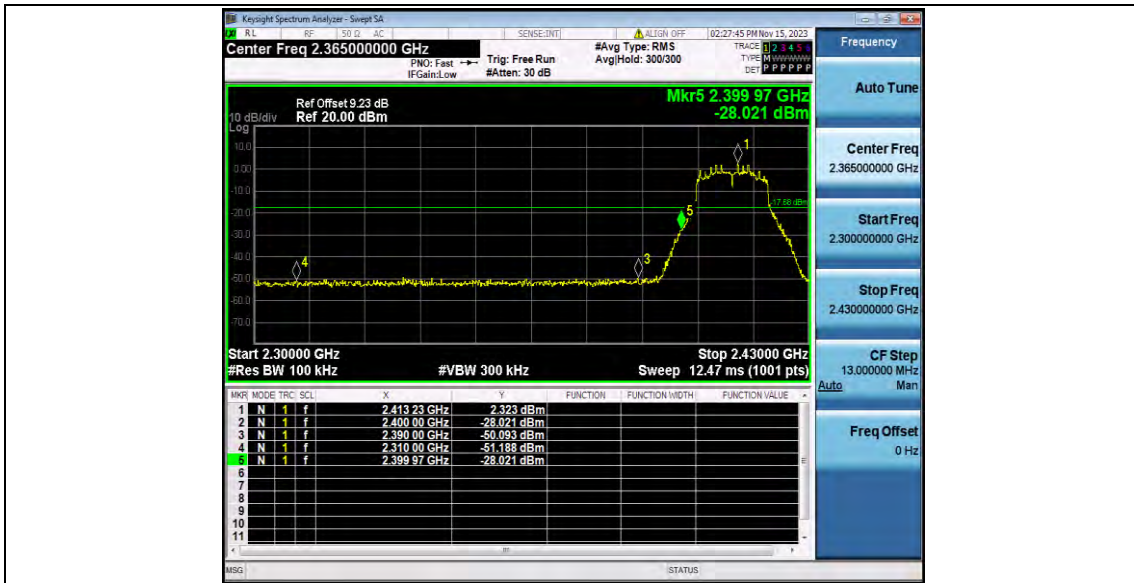
Test Graphs



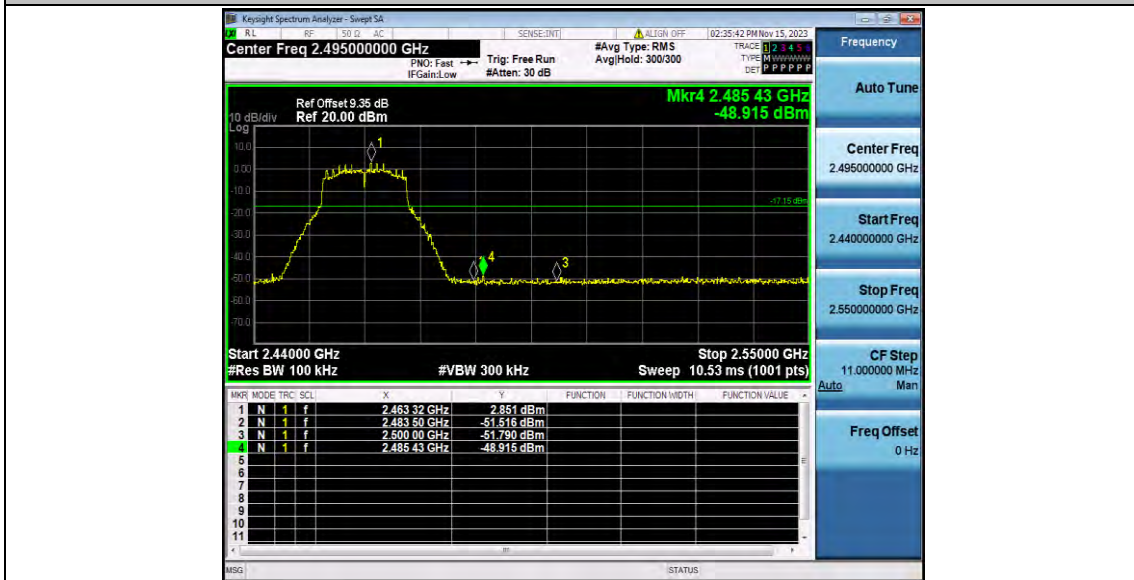
11B_Ant1_Low_2412



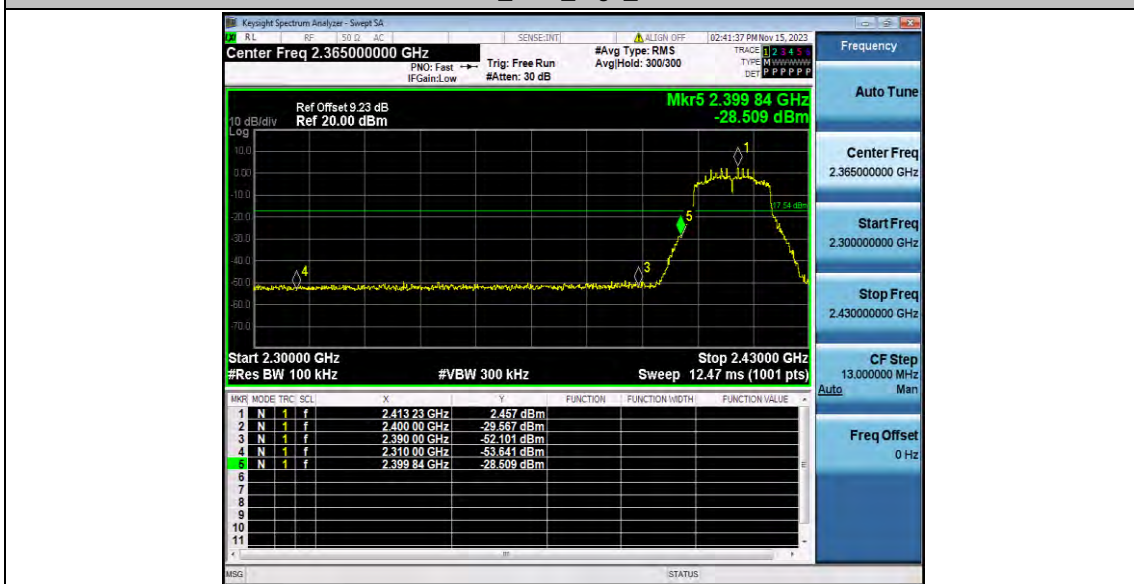
11B_Ant1_High_2462



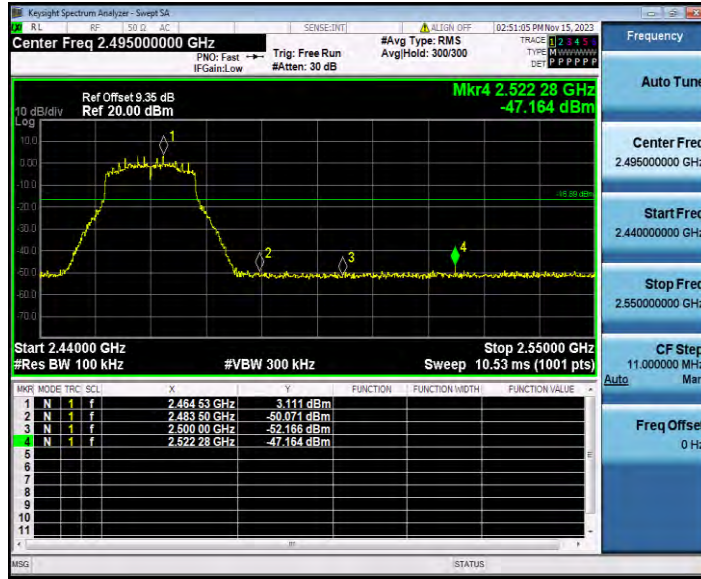
11G_Ant1_Low_2412



11G_Ant1_High_2462



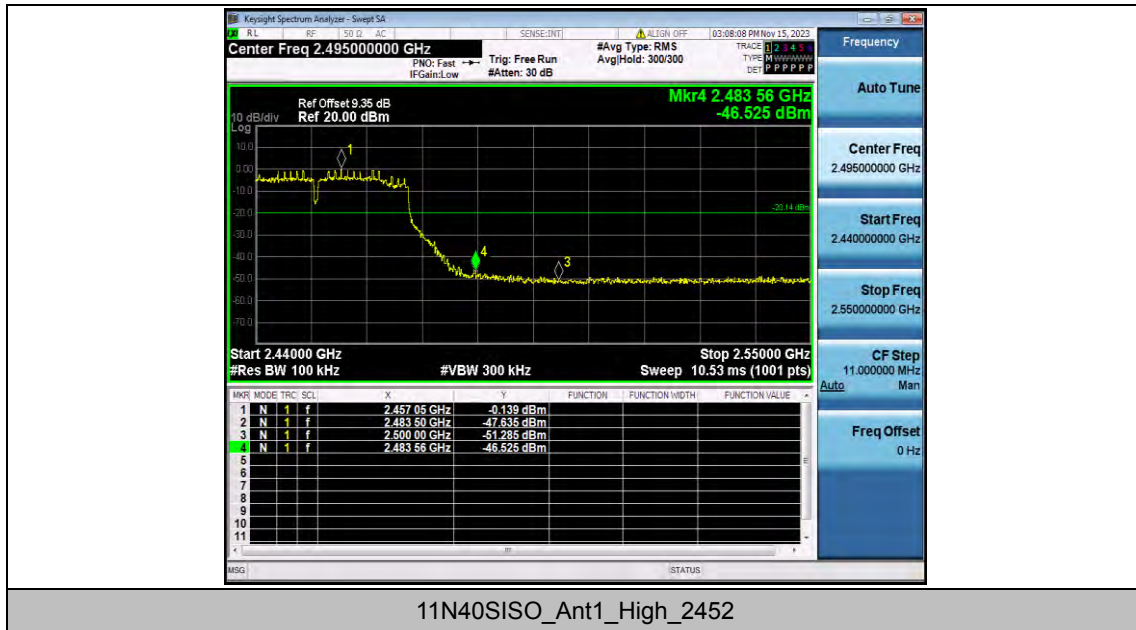
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

Appendix C.6: Conducted Spurious Emission

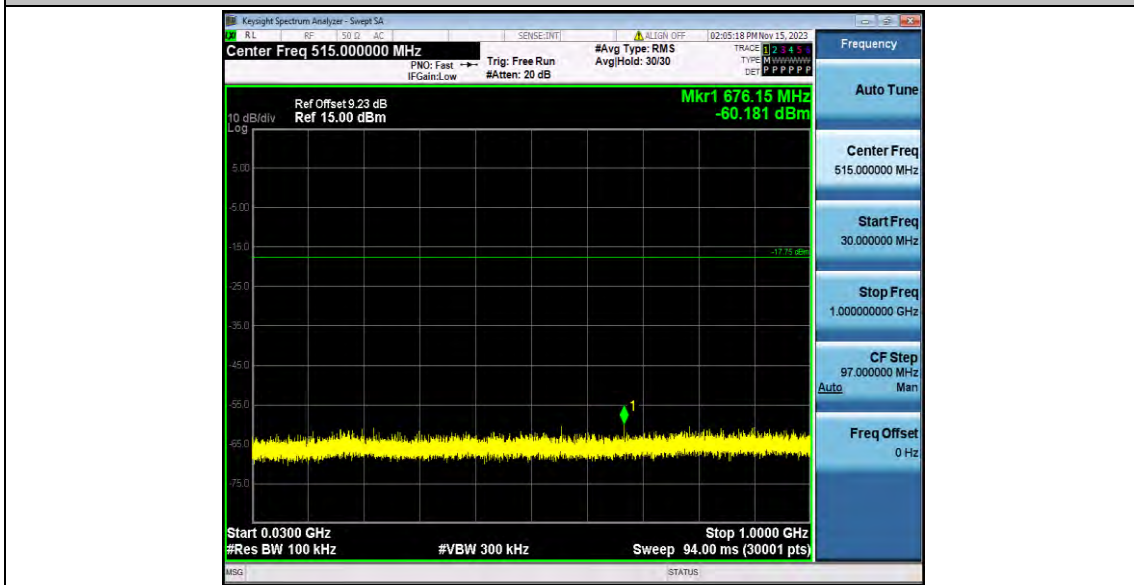
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.25	2.25	---	PASS
			30~1000	2.25	-60.18	≤ -17.75	PASS
			1000~26500	2.25	-47.57	≤ -17.75	PASS
		2437	Reference	2.82	2.82	---	PASS
			30~1000	2.82	-60	≤ -17.18	PASS
			1000~26500	2.82	-47.46	≤ -17.18	PASS
		2462	Reference	2.24	2.24	---	PASS
			30~1000	2.24	-59.95	≤ -17.76	PASS
			1000~26500	2.24	-47.26	≤ -17.76	PASS
11G	Ant1	2412	Reference	-0.33	-0.33	---	PASS
			30~1000	-0.33	-60.73	≤ -20.33	PASS
			1000~26500	-0.33	-47.68	≤ -20.33	PASS
		2437	Reference	-0.93	-0.93	---	PASS
			30~1000	-0.93	-60.07	≤ -20.93	PASS
			1000~26500	-0.93	-47.88	≤ -20.93	PASS
		2462	Reference	3.31	3.31	---	PASS
			30~1000	3.31	-60.42	≤ -16.69	PASS
			1000~26500	3.31	-47.64	≤ -16.69	PASS
11N20SISO	Ant1	2412	Reference	-1.37	-1.37	---	PASS
			30~1000	-1.37	-59	≤ -21.37	PASS
			1000~26500	-1.37	-47.41	≤ -21.37	PASS
		2437	Reference	0.04	0.04	---	PASS
			30~1000	0.04	-59.68	≤ -19.96	PASS
			1000~26500	0.04	-47	≤ -19.96	PASS
		2462	Reference	2.39	2.39	---	PASS
			30~1000	2.39	-60.43	≤ -17.61	PASS
			1000~26500	2.39	-47.32	≤ -17.61	PASS
11N40SISO	Ant1	2422	Reference	-1.97	-1.97	---	PASS
			30~1000	-1.97	-59.93	≤ -21.97	PASS
			1000~26500	-1.97	-47.9	≤ -21.97	PASS
		2437	Reference	-1.57	-1.57	---	PASS
			30~1000	-1.57	-60.15	≤ -21.57	PASS
			1000~26500	-1.57	-47.29	≤ -21.57	PASS
		2452	Reference	-2.36	-2.36	---	PASS
			30~1000	-2.36	-60.14	≤ -22.36	PASS
			1000~26500	-2.36	-47.63	≤ -22.36	PASS

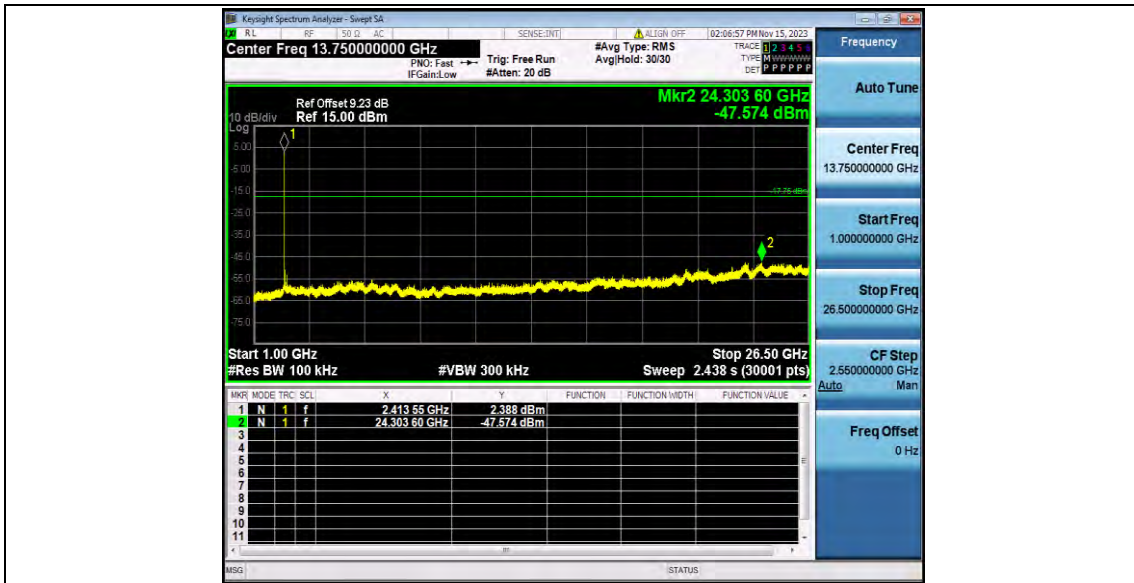
Test Graphs



11B_Ant1_2412_0~Reference



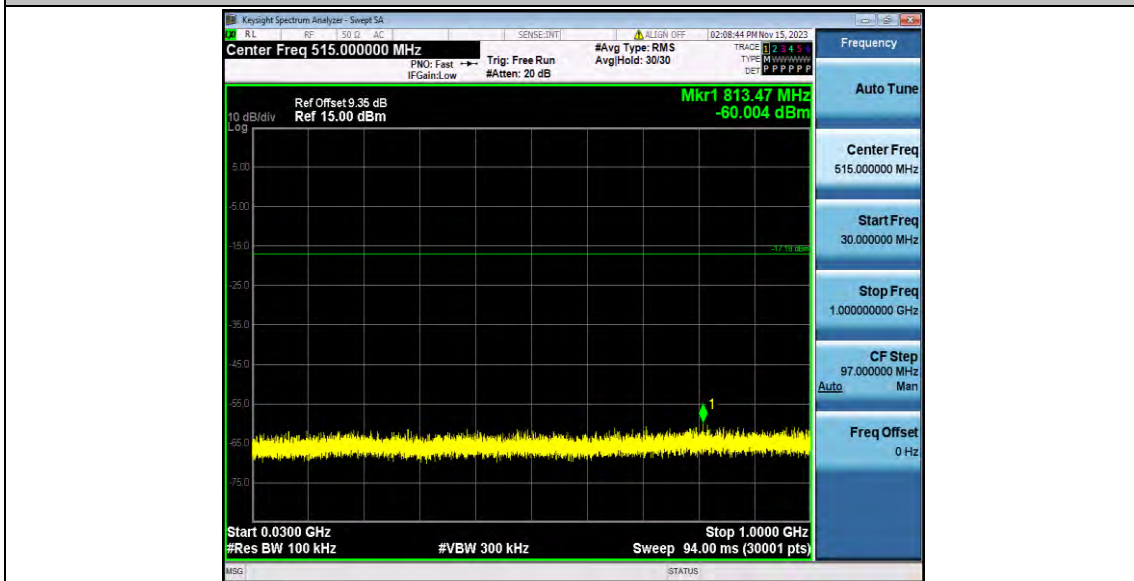
11B_Ant1_2412_30~1000



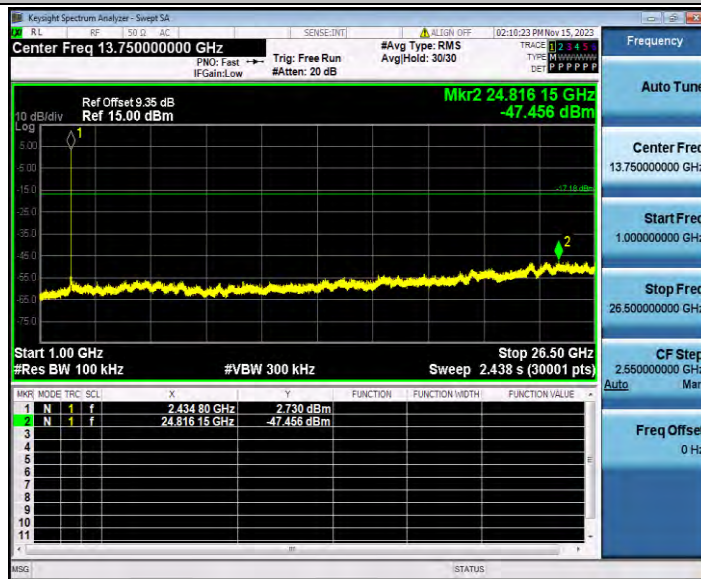
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



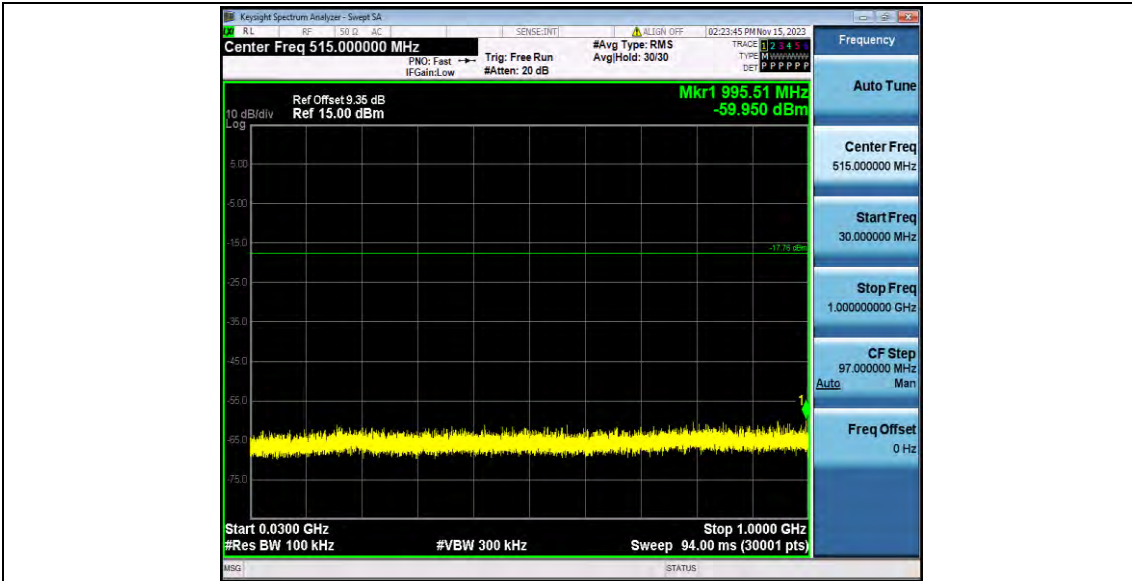
11B_Ant1_2437_30~1000



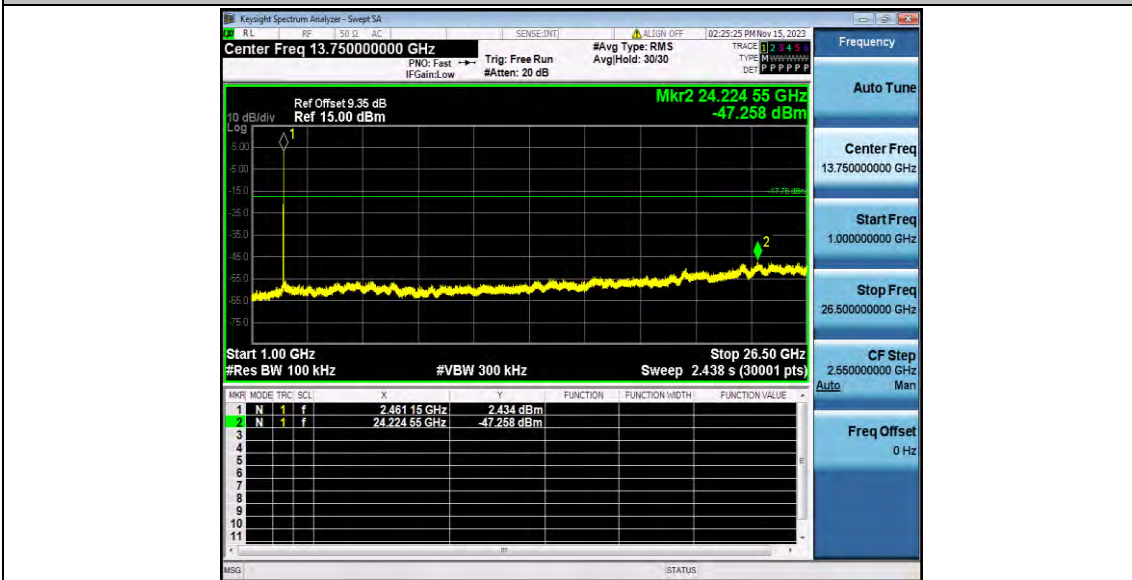
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



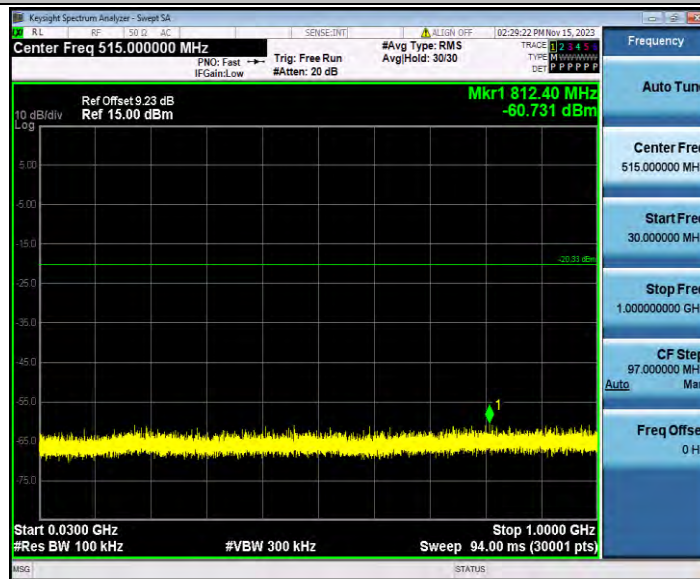
11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



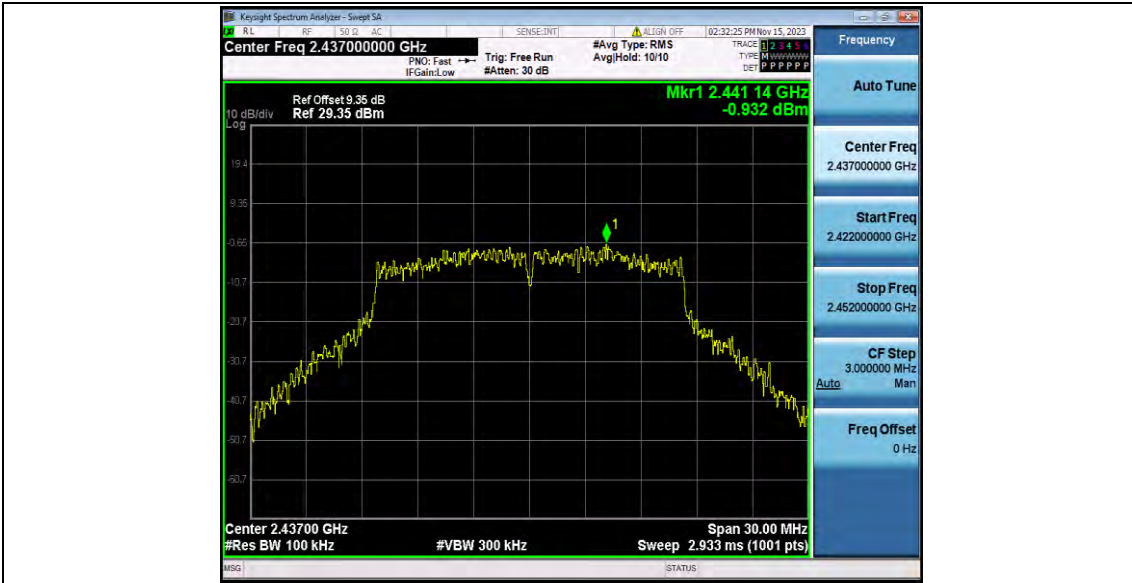
11G_Ant1_2412_0~Reference



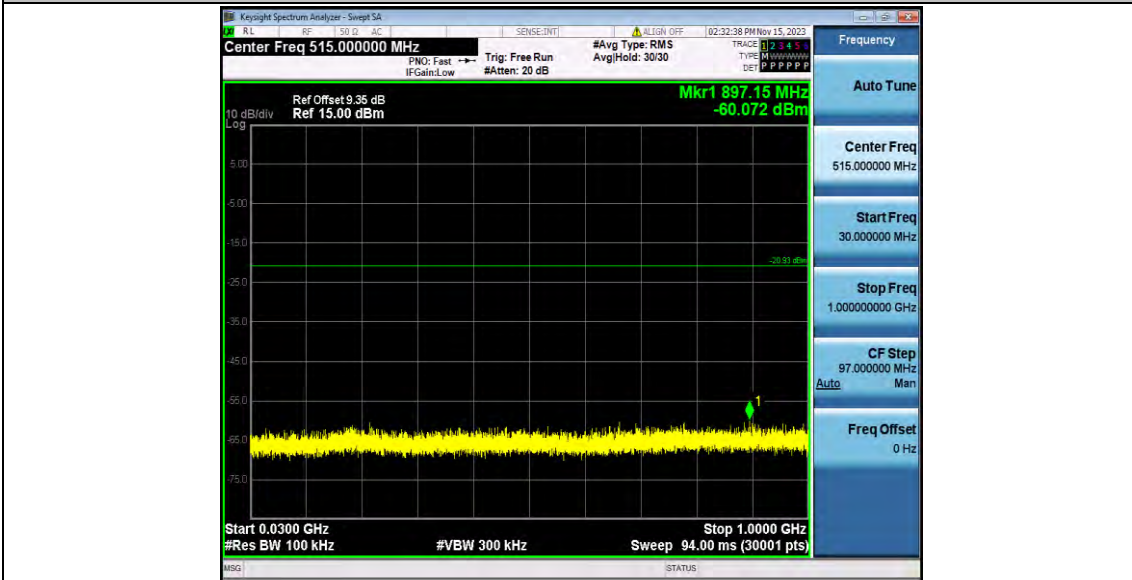
11G_Ant1_2412_30~1000



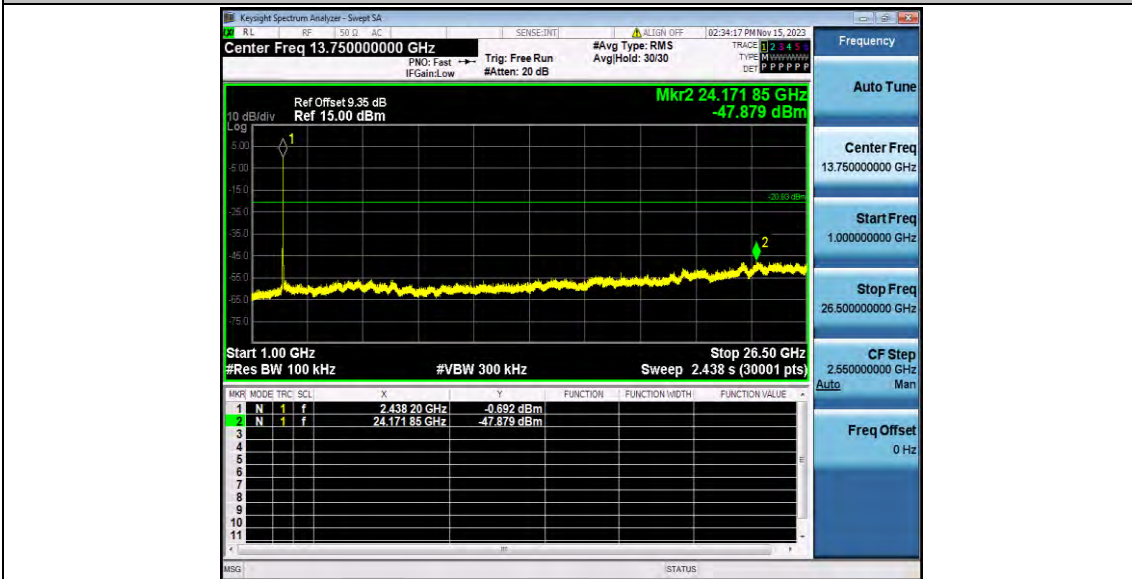
11G_Ant1_2412_1000~26500



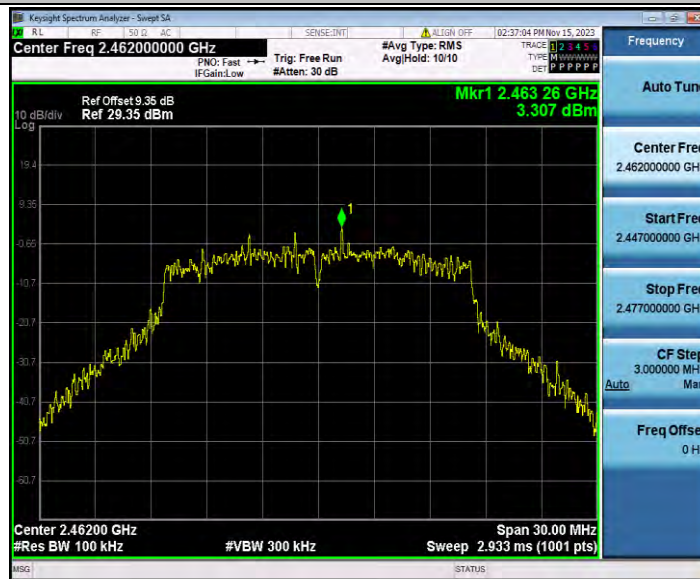
11G_Ant1_2437_0~Reference



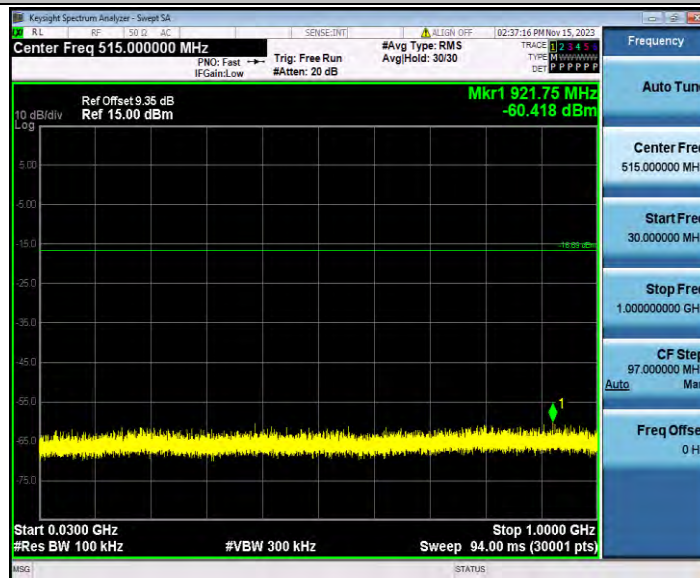
11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



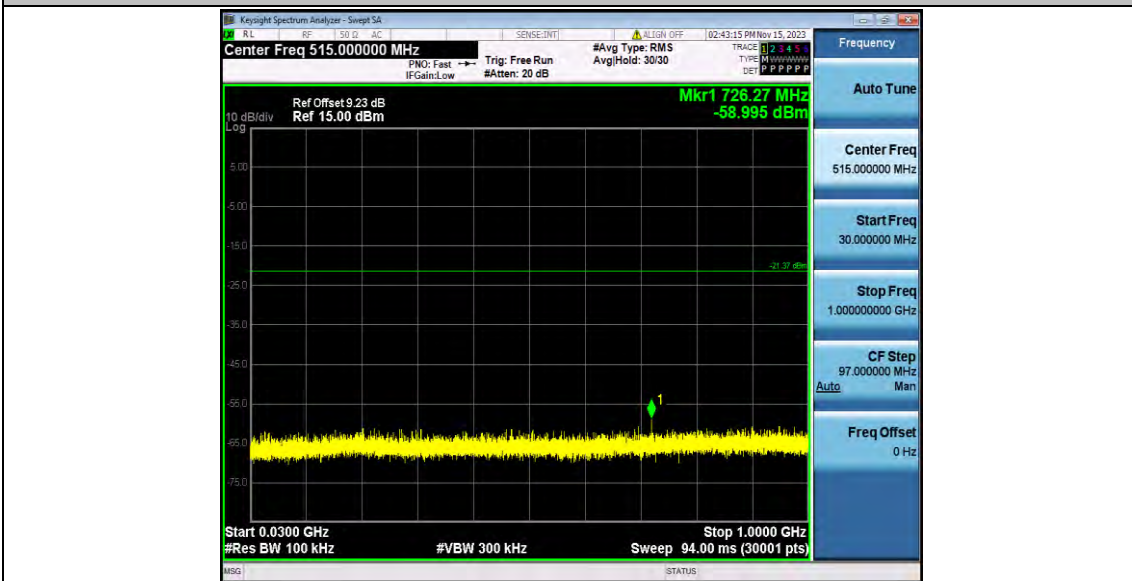
11G_Ant1_2462_30~1000



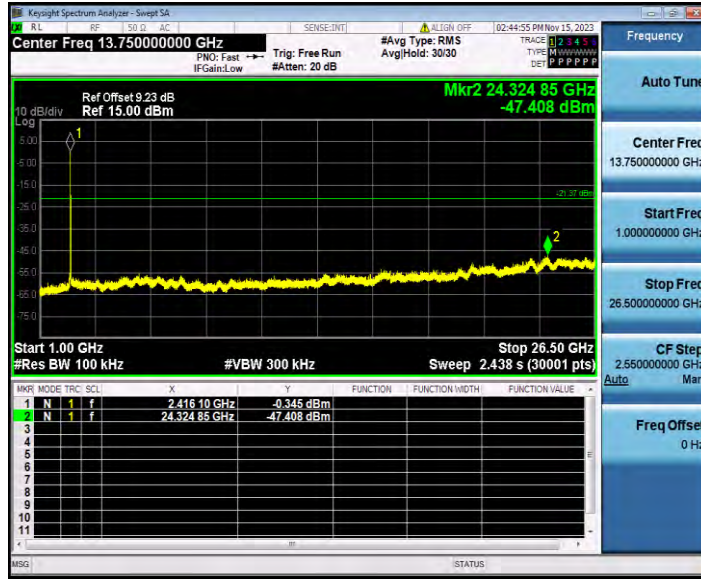
11G_Ant1_2462_1000~2650



11N20SIS0_Ant1_2412_0~Reference



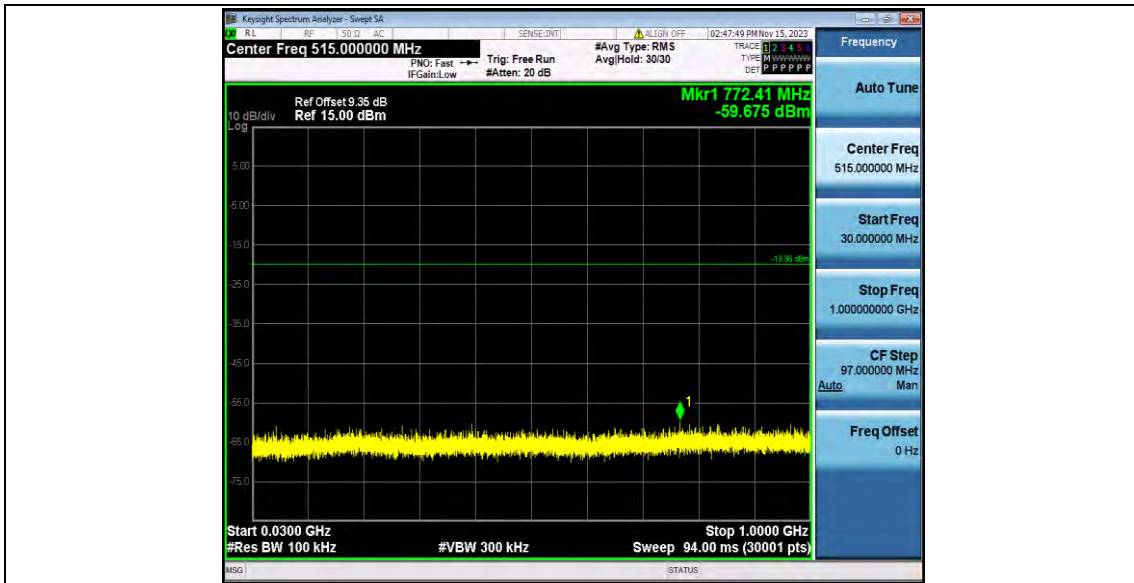
11N20SISO_Ant1_2412_30~1000



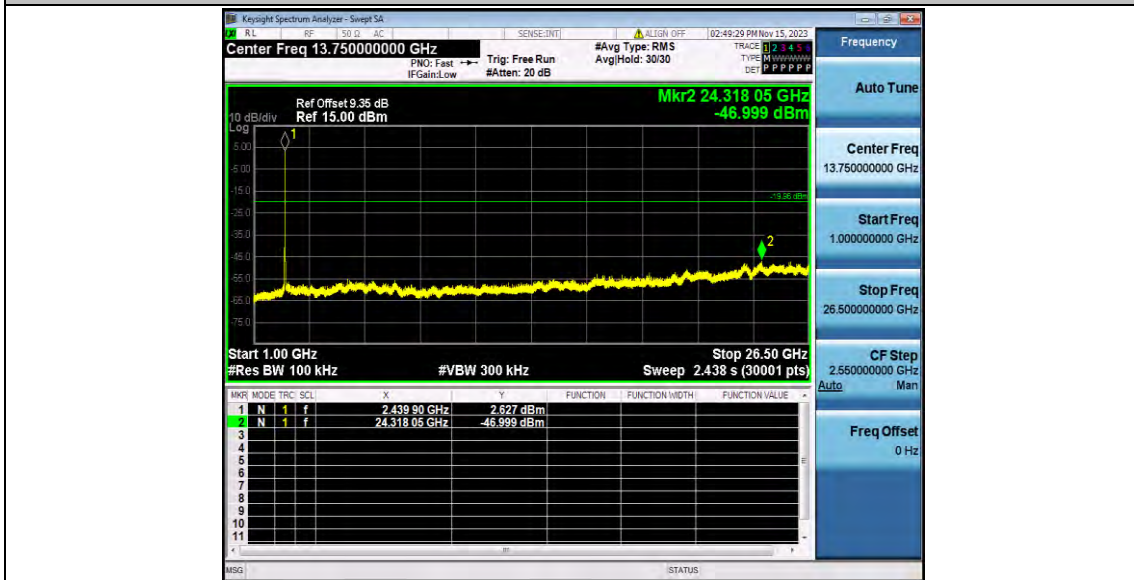
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



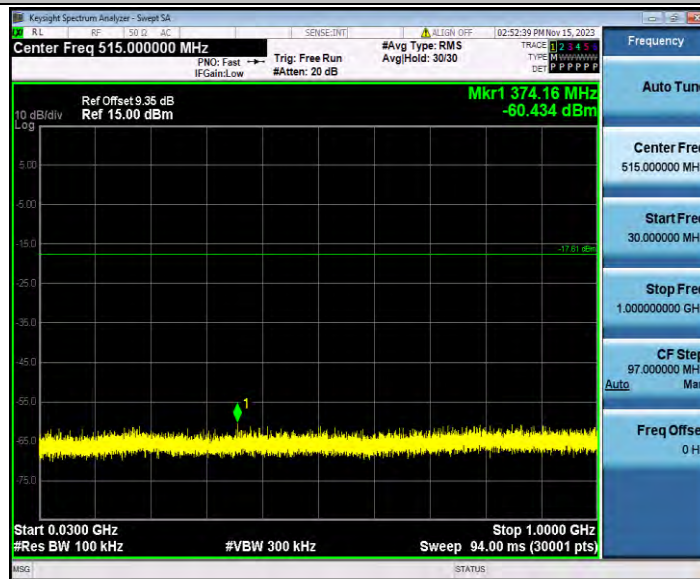
11N20SISO_Ant1_2437_30~1000



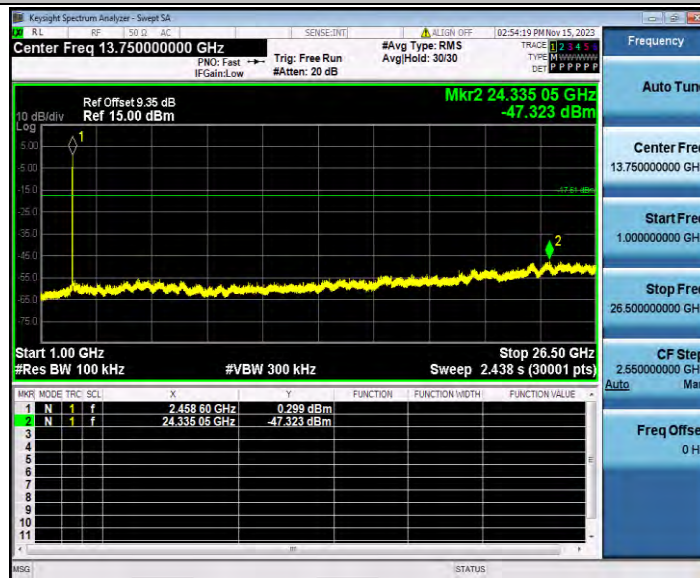
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



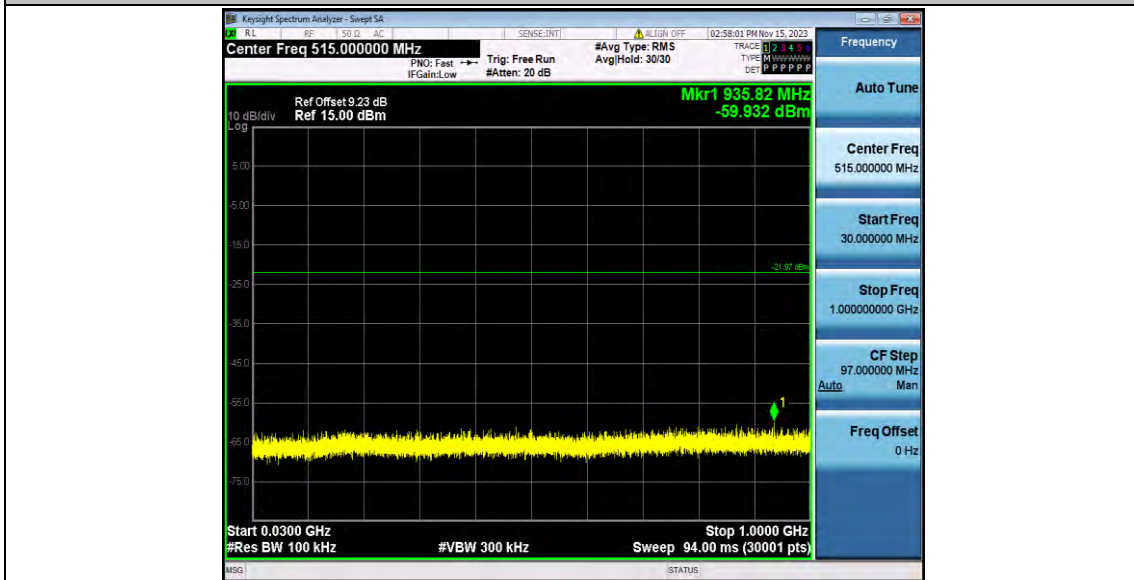
11N20SISO_Ant1_2462_30~1000



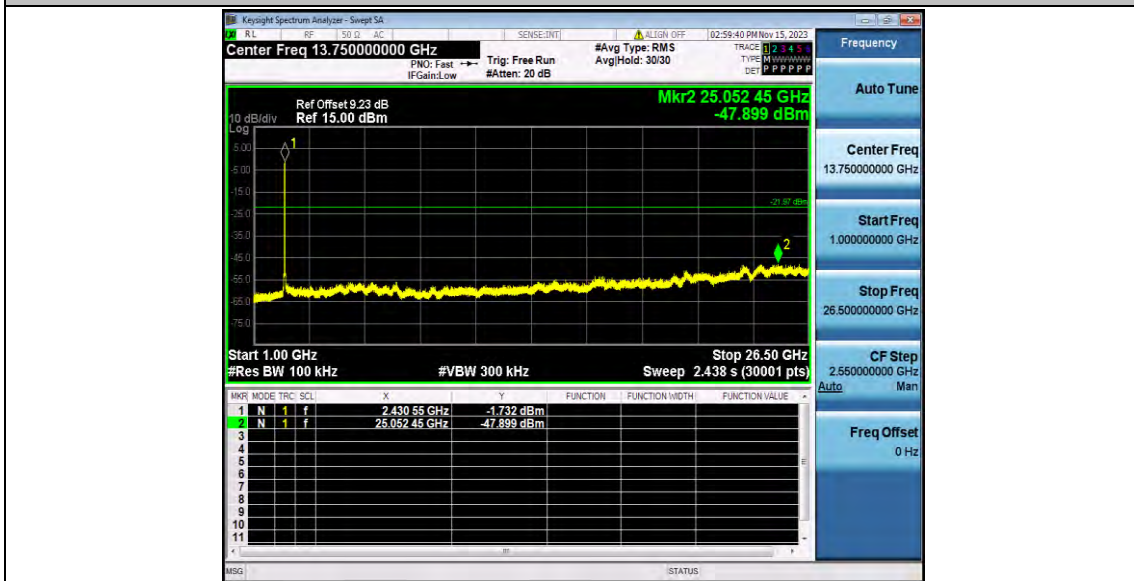
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0-Reference



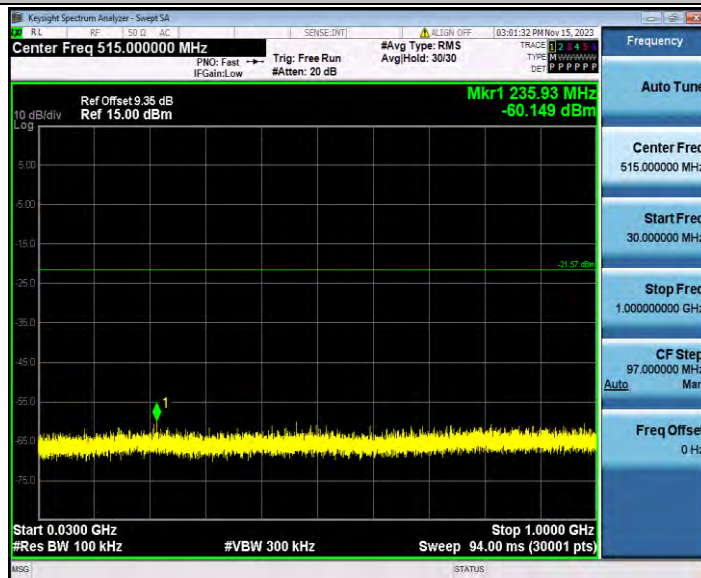
11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



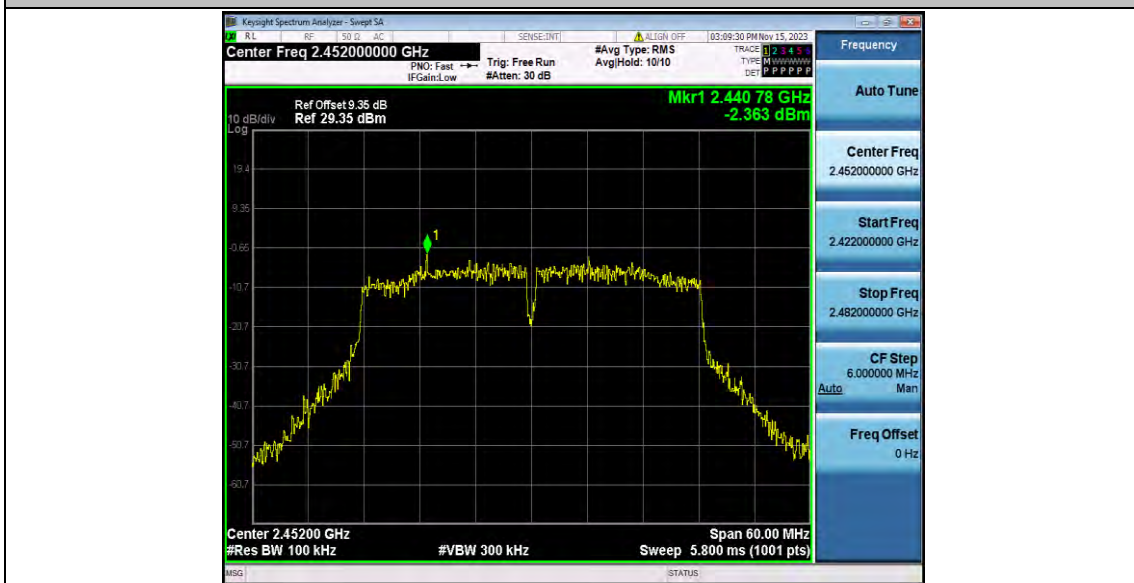
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference

