

Case No. : <u>GTS20230629015-1-12</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.7.14</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	2406.960	2417.040	0.5	PASS
		2437	10.120	2431.960	2442.080	0.5	PASS
		2462	10.080	2457.000	2467.080	0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.400	2403.840	2440.240	0.5	PASS
		2437	36.400	2418.840	2455.240	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

Test Graphs



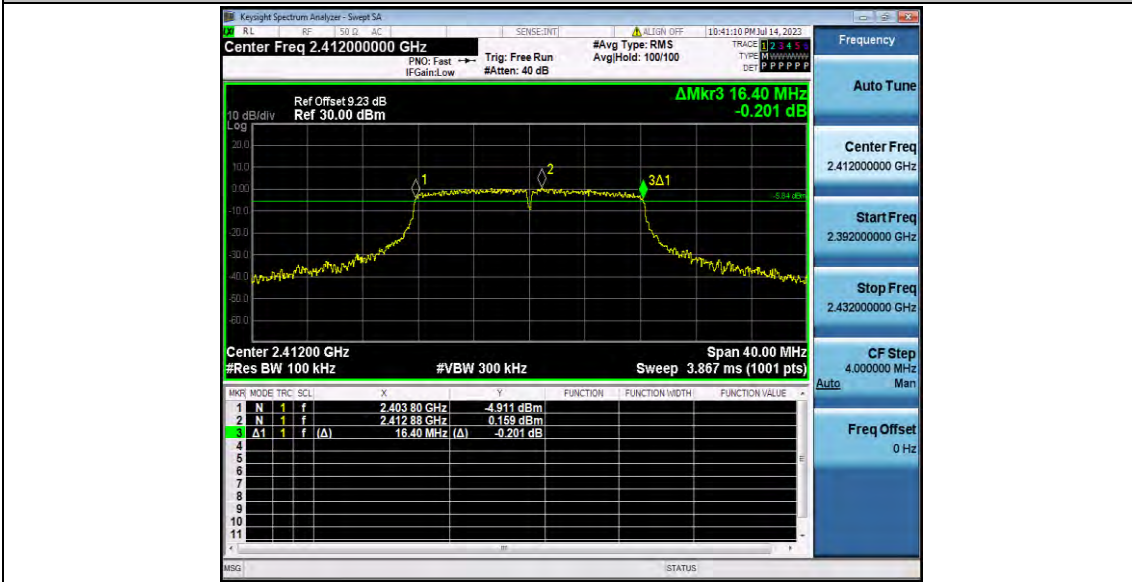
11B_Ant1_2412



11B_Ant1_2437



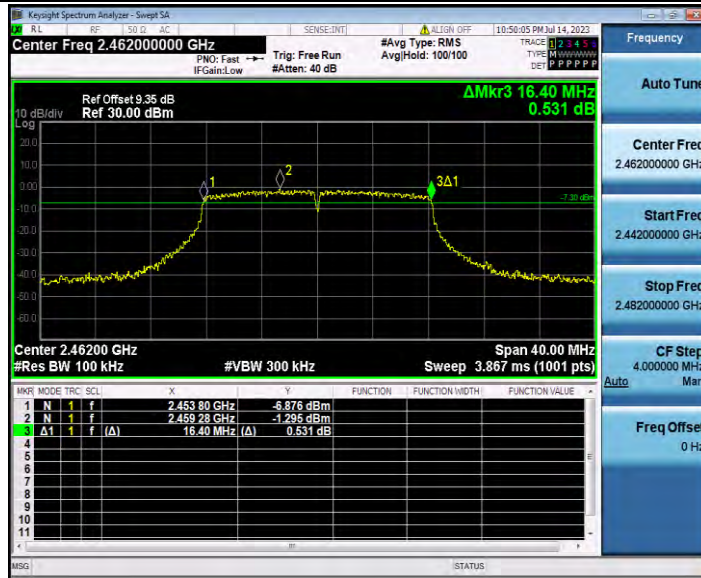
11B_Ant1_2462



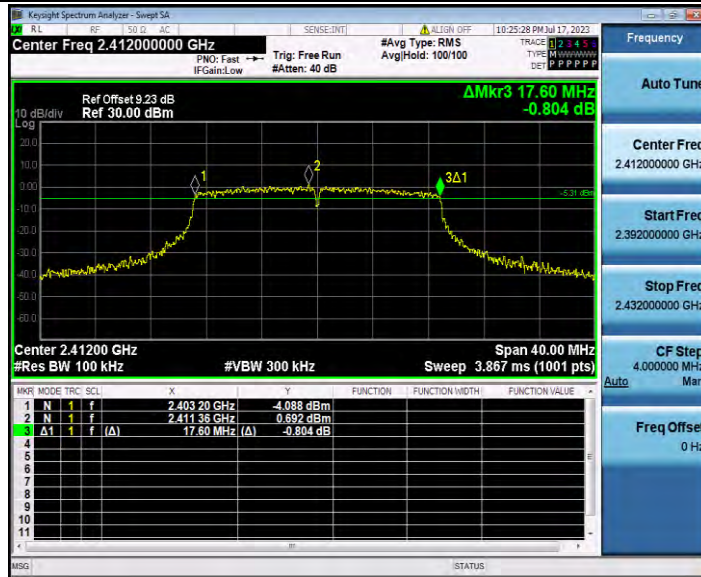
11G_Ant1_2412



11G_Ant1_2437



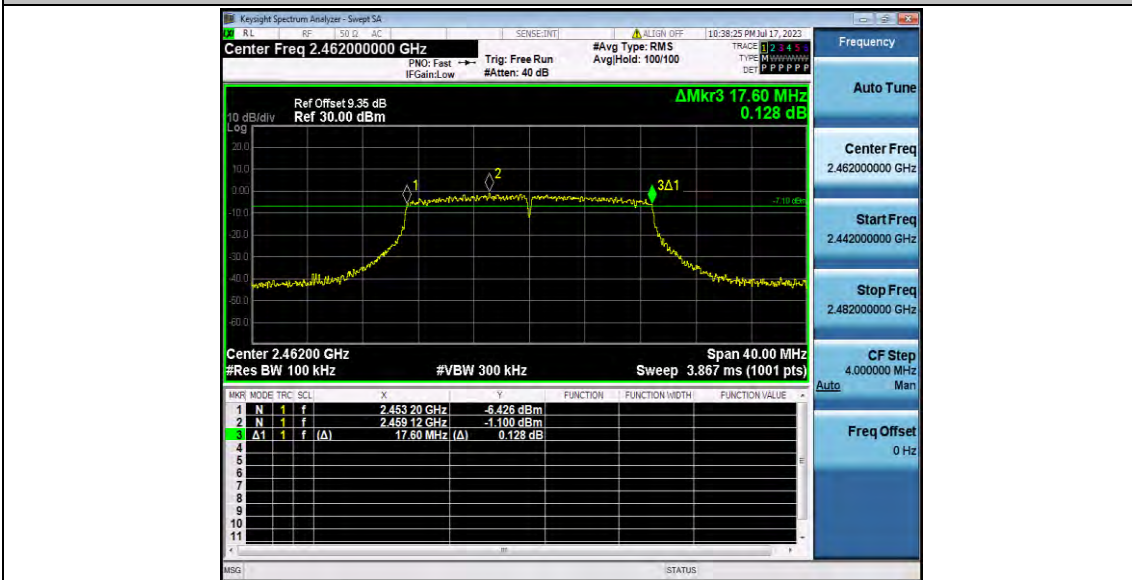
11G_Ant1_2462



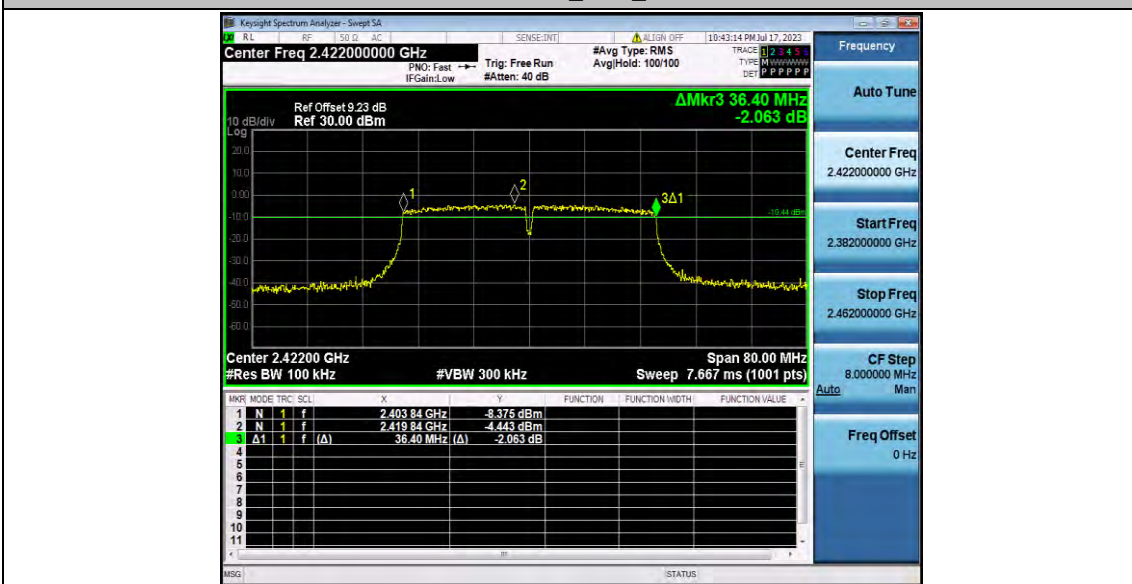
11N20SISO_Ant1_2412



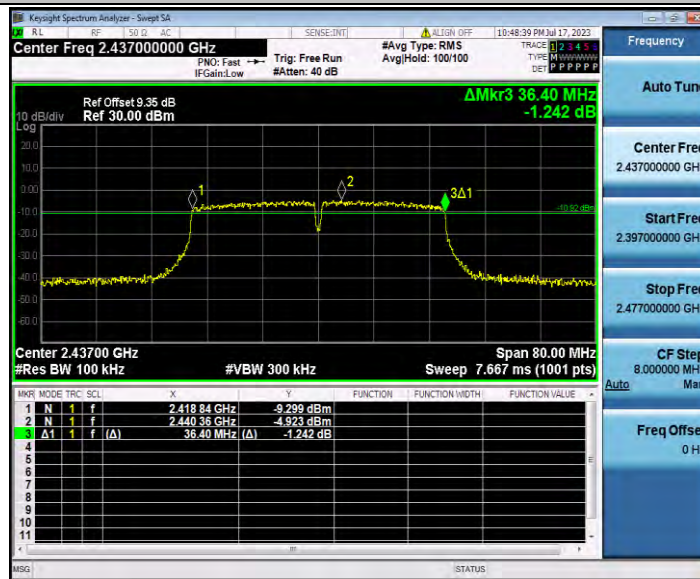
11N20SISO_Ant1_2437



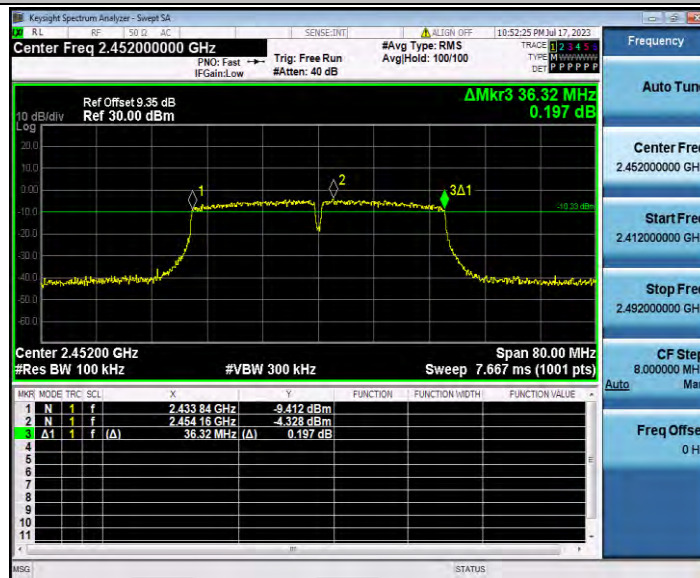
11N20SISO_Ant1_2462



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	14.678	2404.662	2419.340	---	---
		2437	14.730	2429.674	2444.404	---	---
		2462	14.703	2454.643	2469.346	---	---
11G	Ant1	2412	16.777	2403.529	2420.306	---	---
		2437	16.753	2428.586	2445.339	---	---
		2462	16.700	2453.612	2470.312	---	---
11N20SISO	Ant1	2412	17.897	2403.041	2420.938	---	---
		2437	17.874	2428.093	2445.967	---	---
		2462	17.855	2453.080	2470.935	---	---
11N40SISO	Ant1	2422	36.296	2403.891	2440.187	---	---
		2437	36.296	2418.939	2455.235	---	---
		2452	36.212	2433.970	2470.182	---	---

Test Graphs



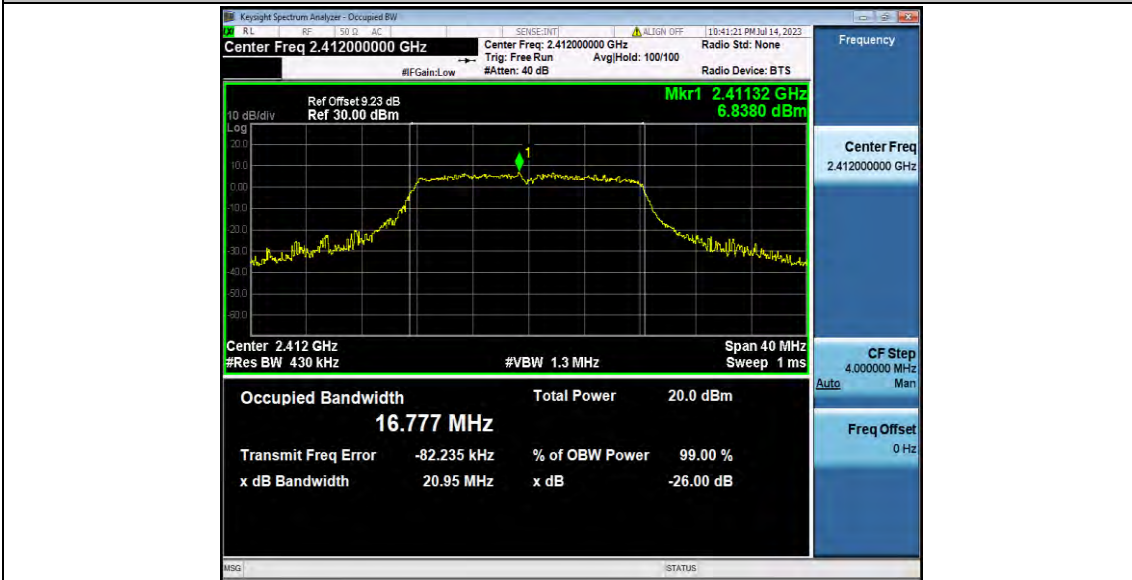
11B_Ant1_2412



11B_Ant1_2437



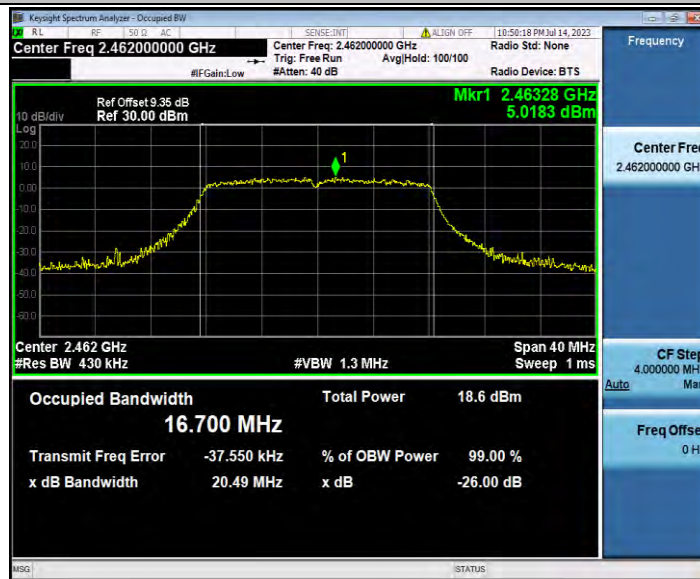
11B_Ant1_2462



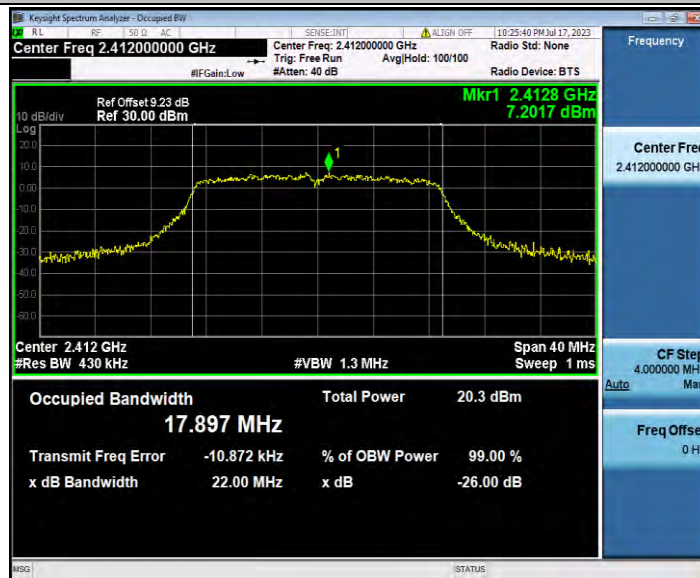
11G_Ant1_2412



11G_Ant1_2437



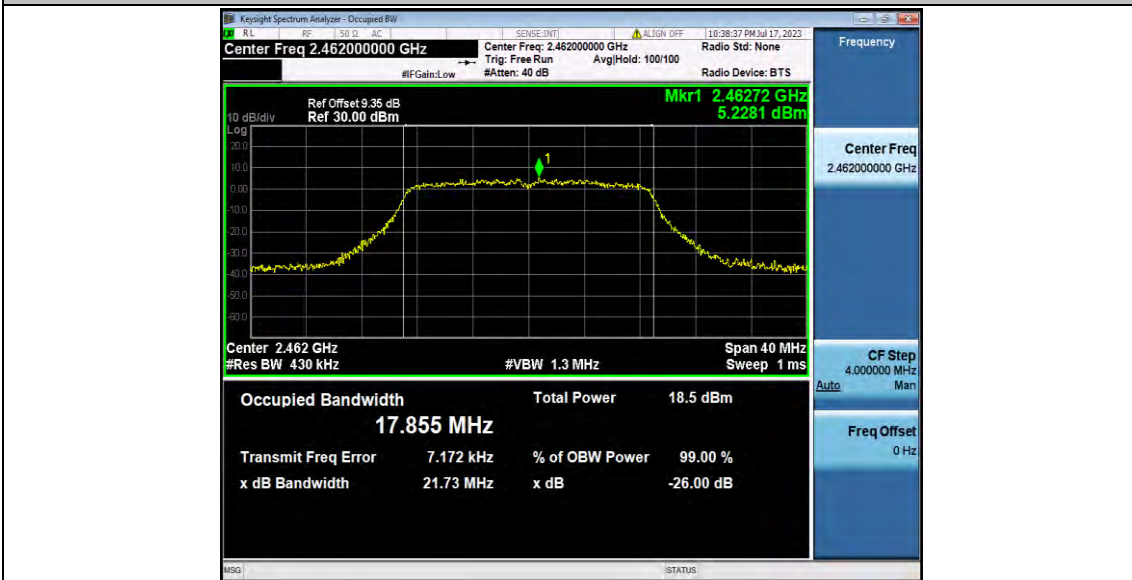
11G_Ant1_2462



11N20SISO_Ant1_2412



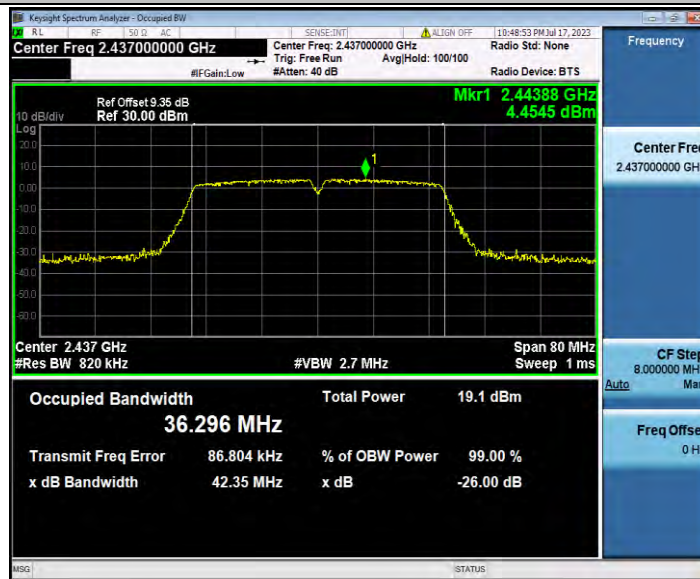
11N20SISO_Ant1_2437



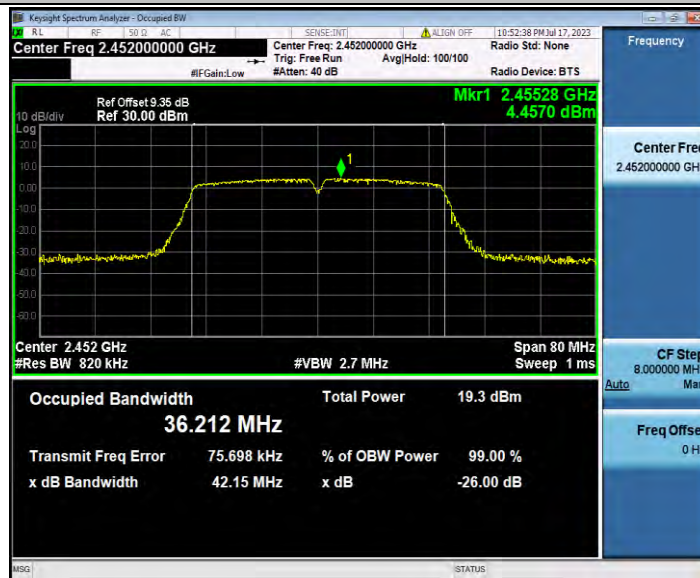
11N20SISO_Ant1_2462



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	17.25	≤30.00	PASS
		2437	16.86	≤30.00	PASS
		2462	17.09	≤30.00	PASS
11G	Ant1	2412	21.23	≤30.00	PASS
		2437	20.81	≤30.00	PASS
		2462	19.68	≤30.00	PASS
11N20SISO	Ant1	2412	21.76	≤30.00	PASS
		2437	19.58	≤30.00	PASS
		2462	19.85	≤30.00	PASS
11N40SISO	Ant1	2422	19.81	≤30.00	PASS
		2437	19.41	≤30.00	PASS
		2452	19.62	≤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	-16.17	≤8.00	PASS
		2437	-16.55	≤8.00	PASS
		2462	-16.32	≤8.00	PASS
11G	Ant1	2412	-13.95	≤8.00	PASS
		2437	-14.48	≤8.00	PASS
		2462	-15.35	≤8.00	PASS
11N20SISO	Ant1	2412	-12.81	≤8.00	PASS
		2437	-15.69	≤8.00	PASS
		2462	-14.73	≤8.00	PASS
11N40SISO	Ant1	2422	-15.51	≤8.00	PASS
		2437	-16.22	≤8.00	PASS
		2452	-16.71	≤8.00	PASS

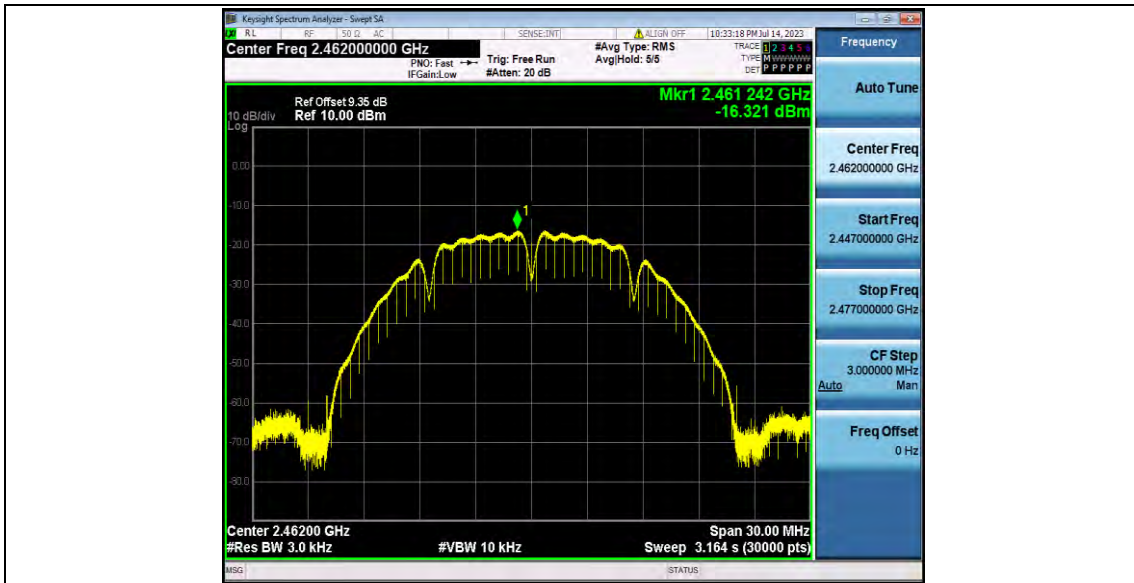
Test Graphs



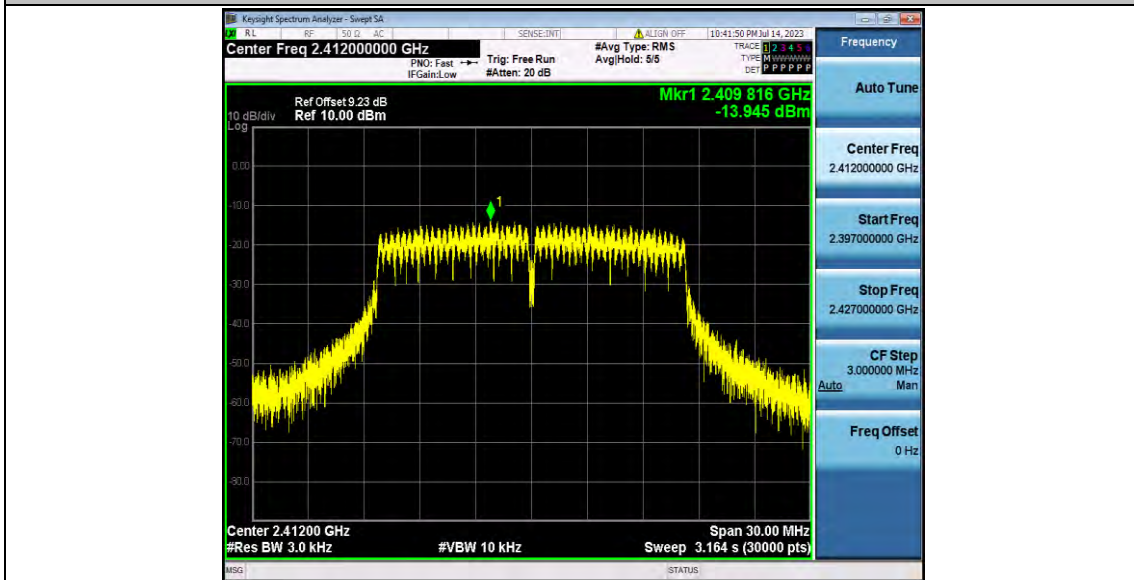
11B_Ant1_2412



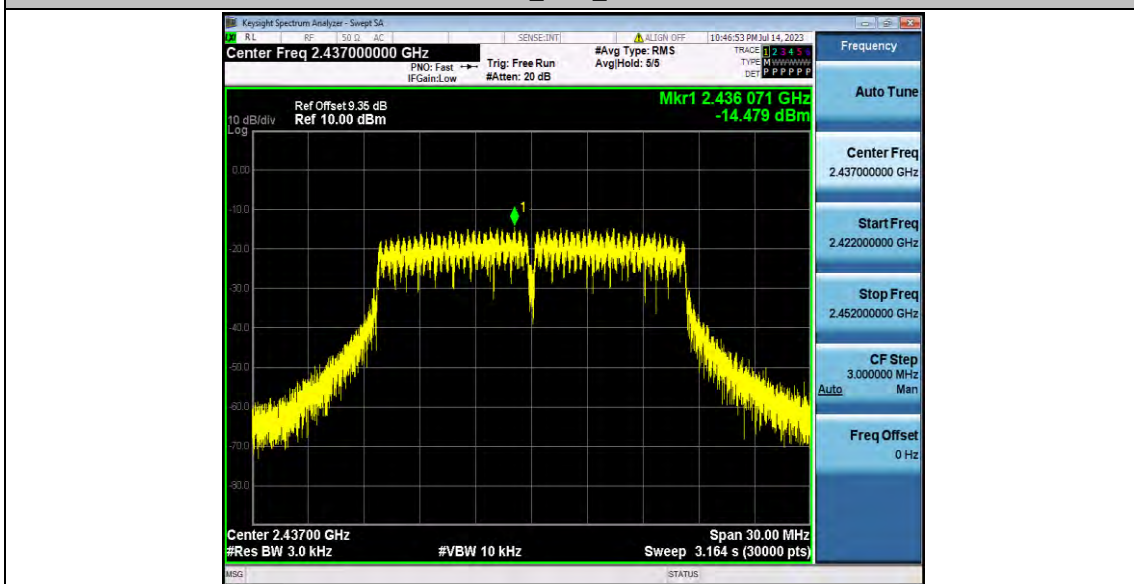
11B_Ant1_2437



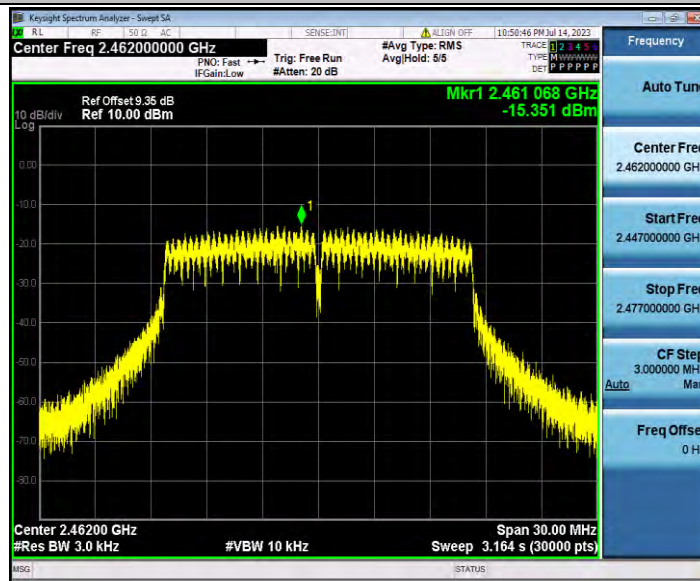
11B_Ant1_2462



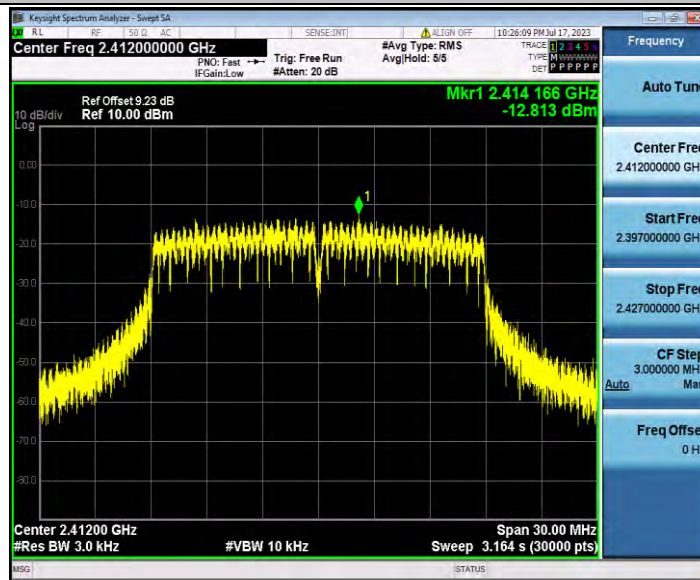
11G_Ant1_2412



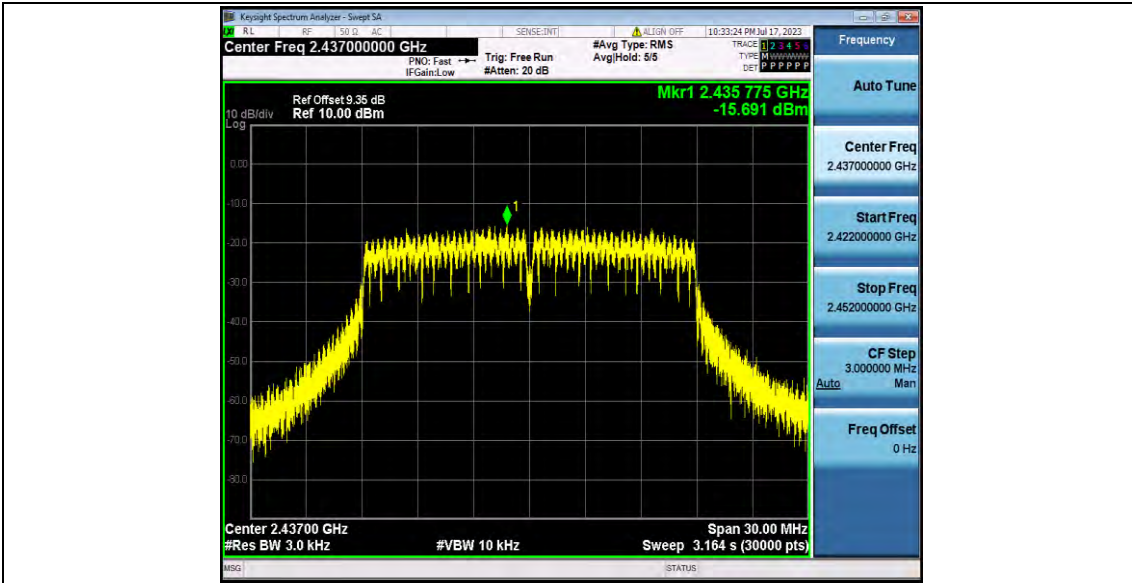
11G_Ant1_2437



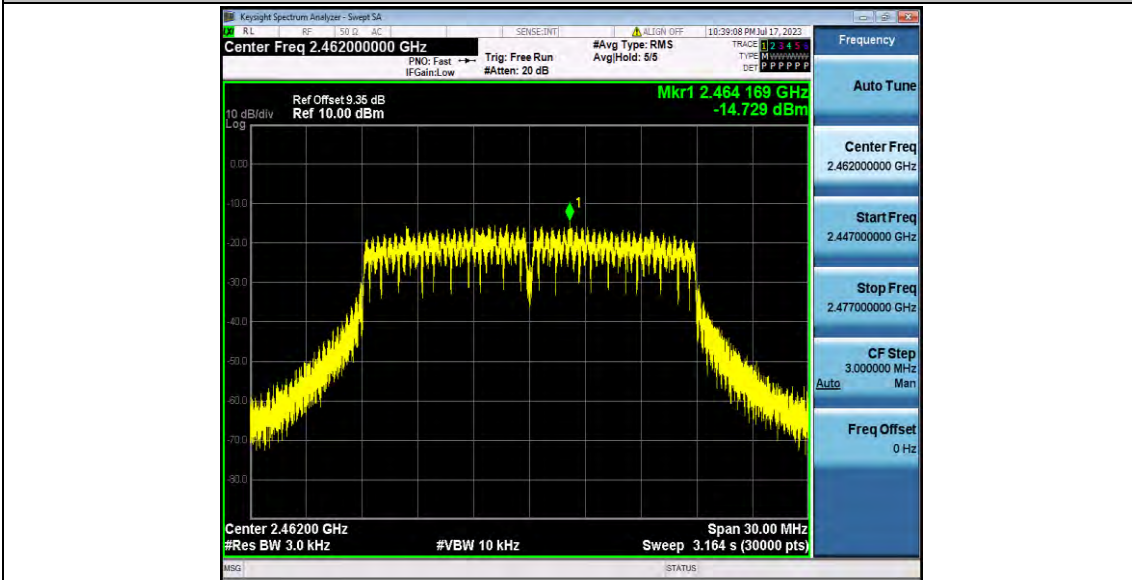
11G_Ant1_2462



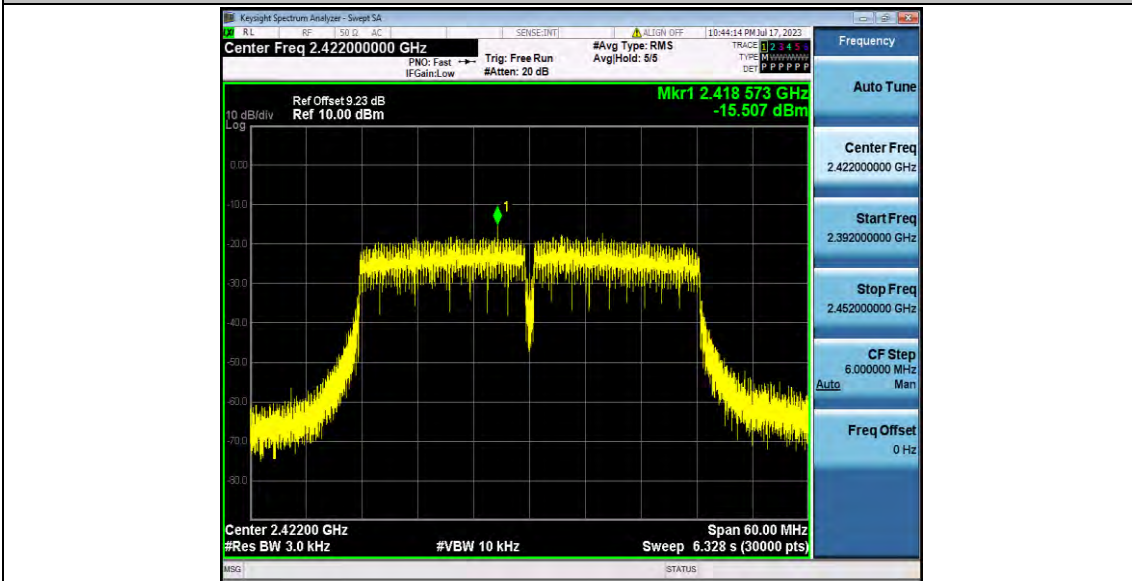
11N20SISO_Ant1_2412



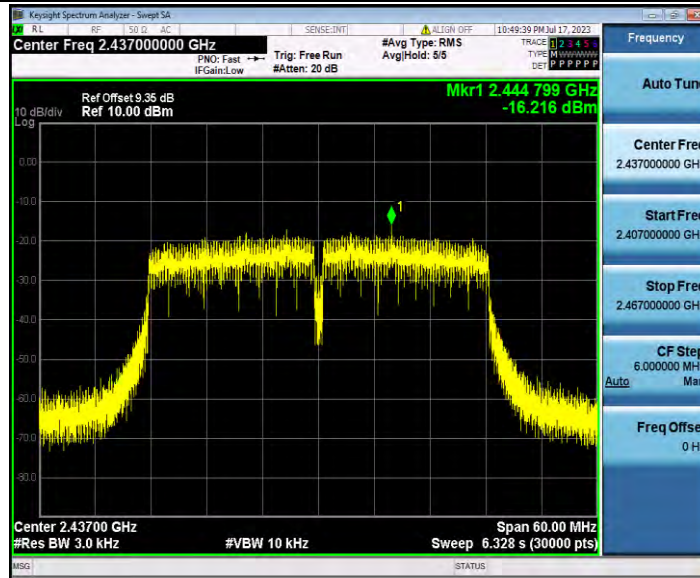
11N20SISO_Ant1_2437



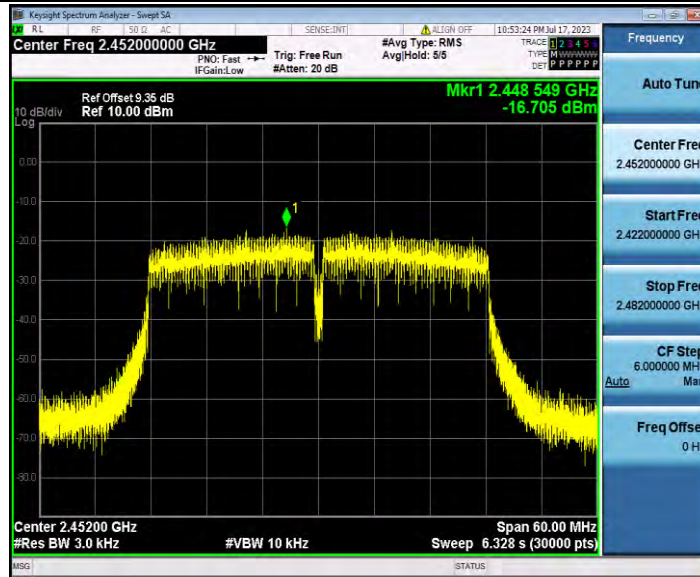
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



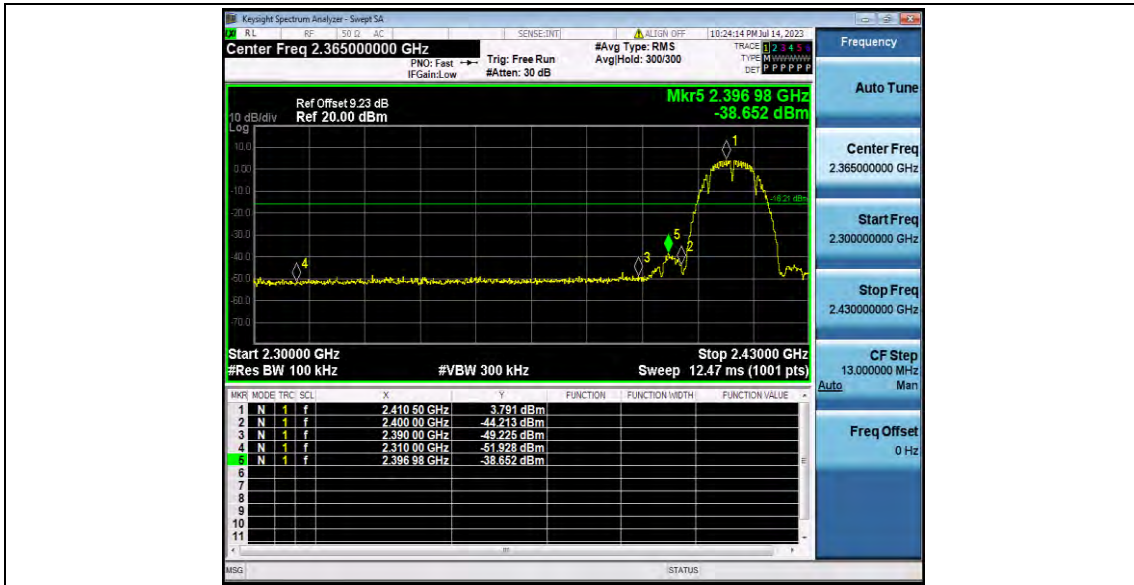
11N40SISO_Ant1_2452

Appendix C.5: Band edge measurements

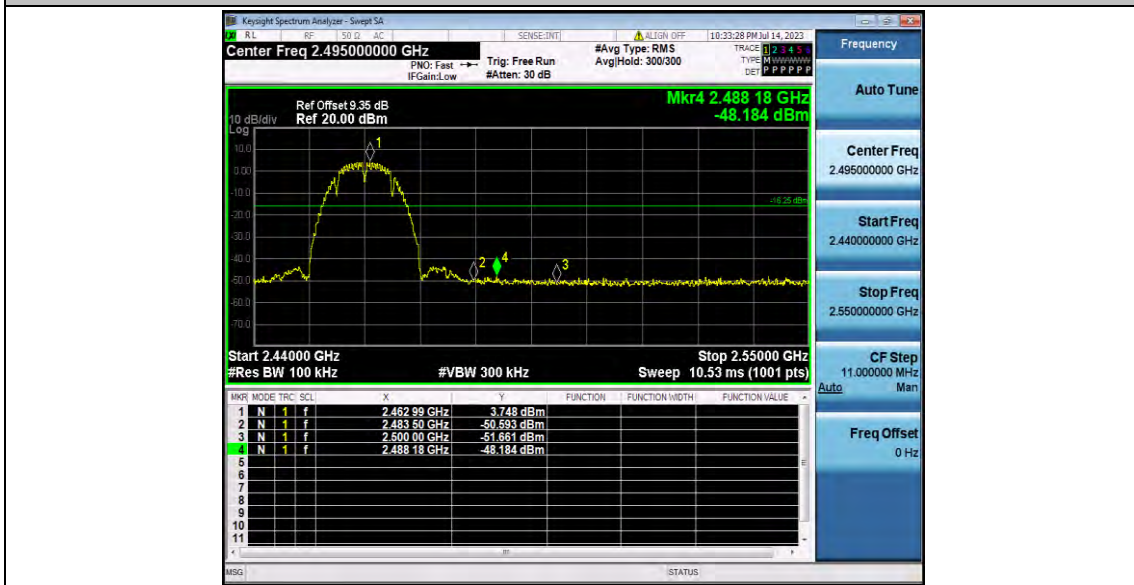
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.79	-38.65	≤-16.21	PASS
		High	2462	3.75	-48.18	≤-16.25	PASS
11G	Ant1	Low	2412	0.09	-29.47	≤-19.92	PASS
		High	2462	-1.18	-49.13	≤-21.18	PASS
11N20SISO	Ant1	Low	2412	0.75	-29.46	≤-19.26	PASS
		High	2462	-1.20	-48.98	≤-21.2	PASS
11N40SISO	Ant1	Low	2422	-4.26	-38.18	≤-24.26	PASS
		High	2452	-4.43	-44.63	≤-24.43	PASS

Test Graphs



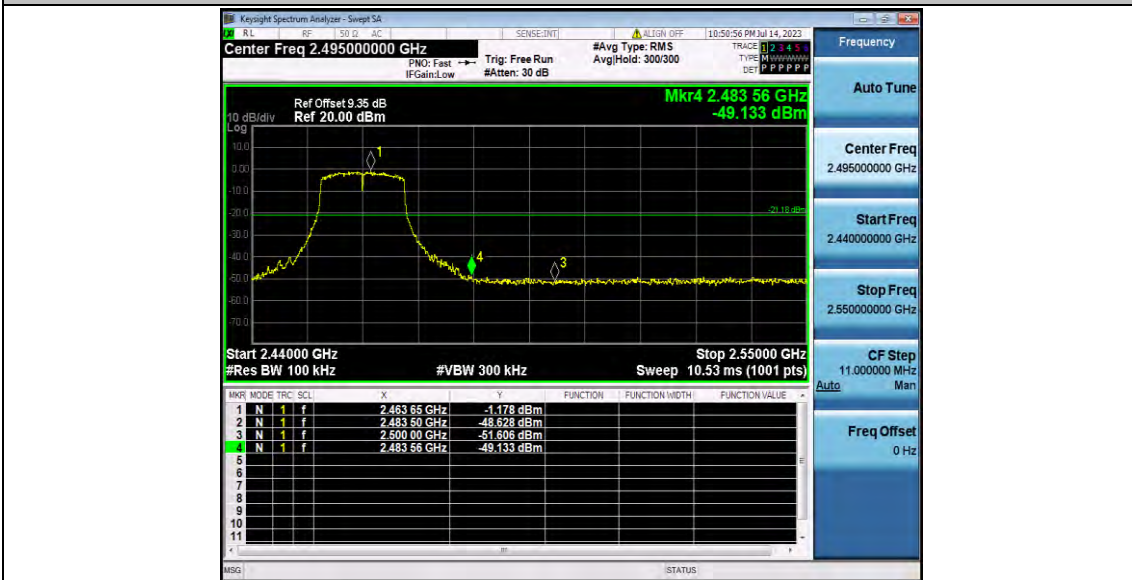
11B_Ant1_Low_2412



11B_Ant1_High_2462



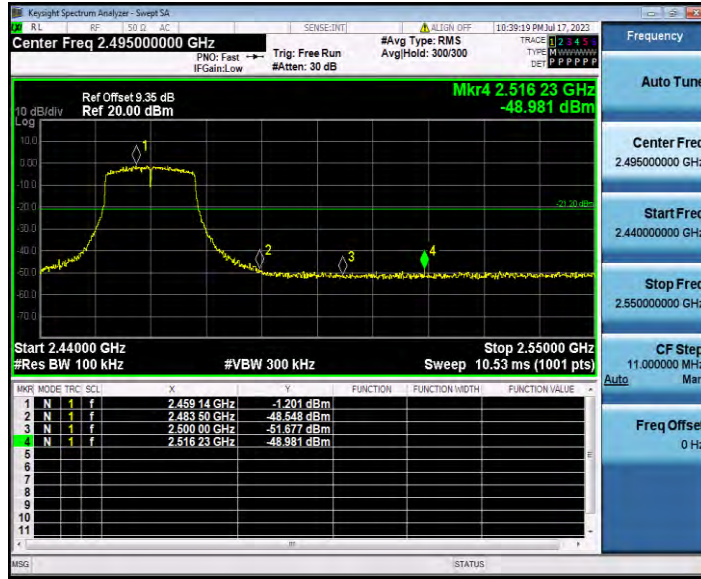
11G_Ant1_Low_2412



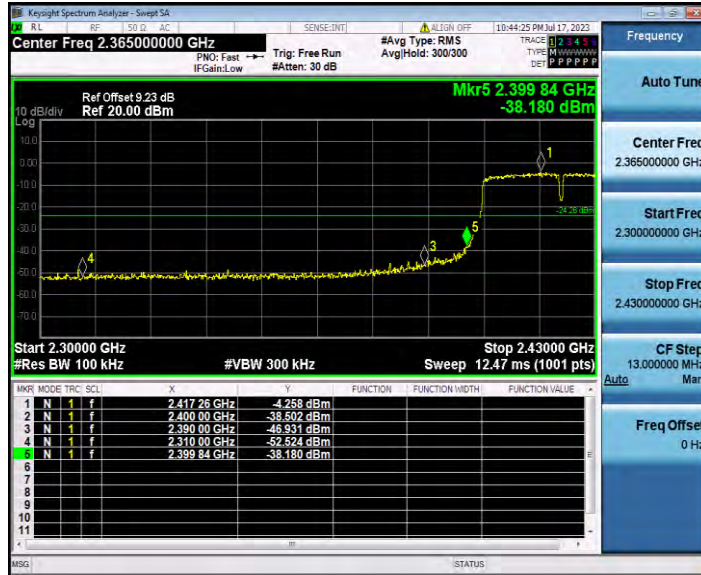
11G_Ant1_High_2462



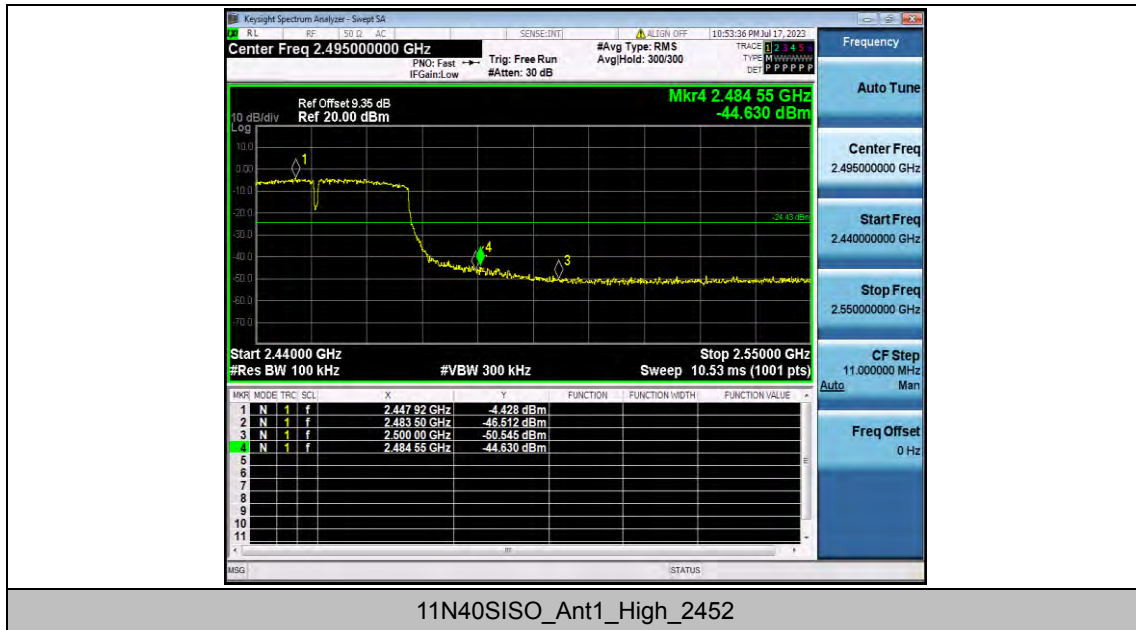
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

Appendix C.6: Conducted Spurious Emission

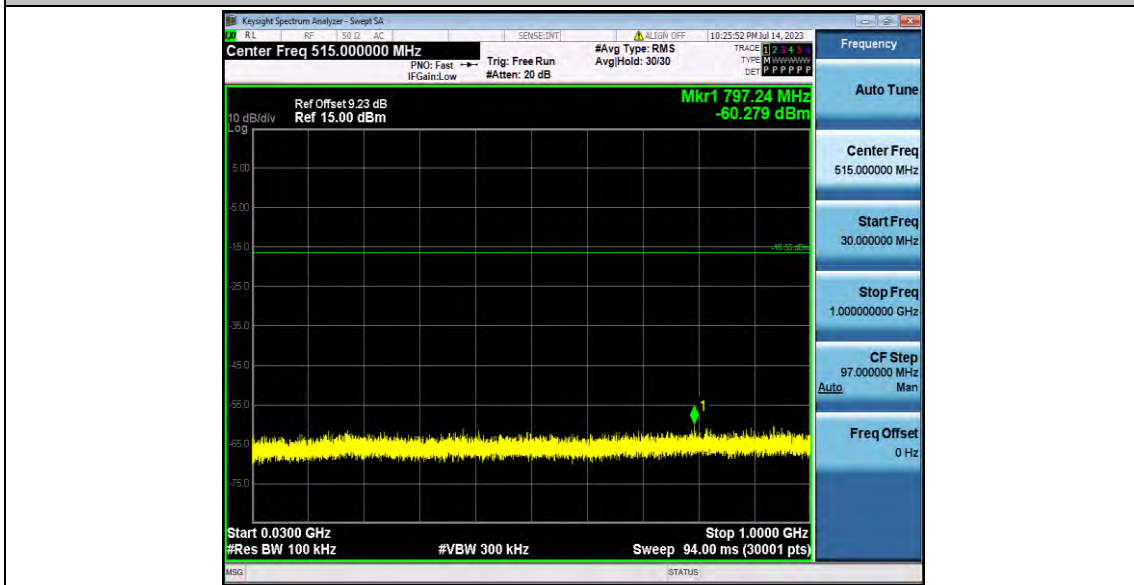
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.45	3.45	---	PASS
			30~1000	3.45	-60.28	≤-16.55	PASS
			1000~26500	3.45	-47.13	≤-16.55	PASS
		2437	Reference	3.51	3.51	---	PASS
			30~1000	3.51	-60.23	≤-16.49	PASS
			1000~26500	3.51	-47.47	≤-16.49	PASS
		2462	Reference	3.47	3.47	---	PASS
			30~1000	3.47	-60.43	≤-16.53	PASS
			1000~26500	3.47	-47.8	≤-16.53	PASS
11G	Ant1	2412	Reference	-0.02	-0.02	---	PASS
			30~1000	-0.02	-60.13	≤-20.02	PASS
			1000~26500	-0.02	-47.07	≤-20.02	PASS
		2437	Reference	-0.34	-0.34	---	PASS
			30~1000	-0.34	-60.15	≤-20.34	PASS
			1000~26500	-0.34	-46.9	≤-20.34	PASS
		2462	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-60.59	≤-21.45	PASS
			1000~26500	-1.45	-47.17	≤-21.45	PASS
11N20SISO	Ant1	2412	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-50.9	≤-20.37	PASS
			1000~26500	-0.37	-47.94	≤-20.37	PASS
		2437	Reference	-2.56	-2.56	---	PASS
			30~1000	-2.56	-60.59	≤-22.56	PASS
			1000~26500	-2.56	-47.23	≤-22.56	PASS
		2462	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-60.3	≤-20.79	PASS
			1000~26500	-0.79	-47.47	≤-20.79	PASS
11N40SISO	Ant1	2422	Reference	-4.89	-4.89	---	PASS
			30~1000	-4.89	-60.36	≤-24.89	PASS
			1000~26500	-4.89	-47.39	≤-24.89	PASS
		2437	Reference	-4.94	-4.94	---	PASS
			30~1000	-4.94	-60.1	≤-24.94	PASS
			1000~26500	-4.94	-47.82	≤-24.94	PASS
		2452	Reference	-5.05	-5.05	---	PASS
			30~1000	-5.05	-60.32	≤-25.05	PASS
			1000~26500	-5.05	-47.18	≤-25.05	PASS

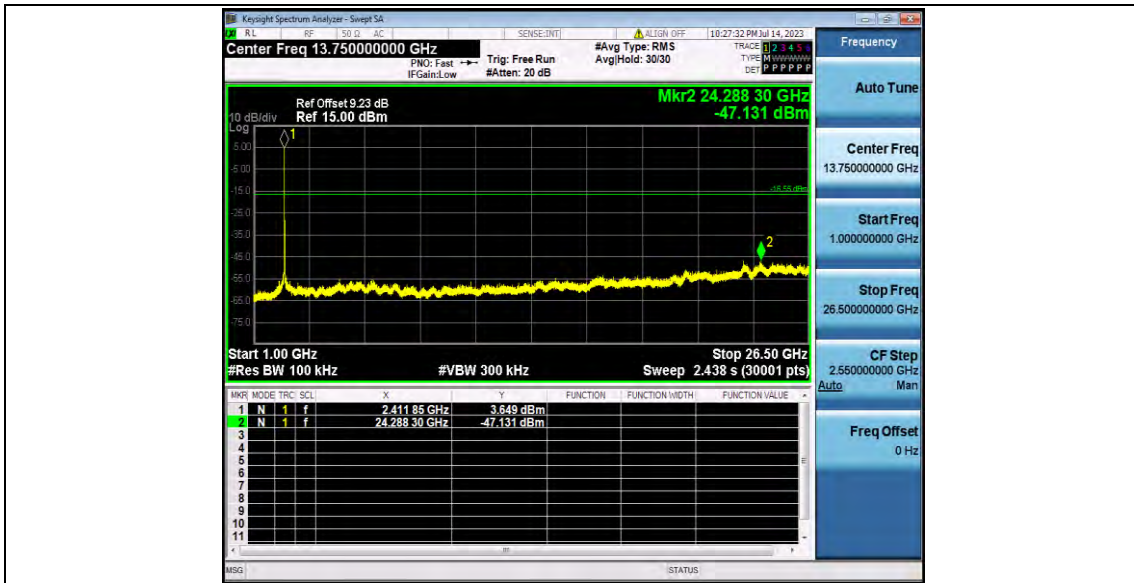
Test Graphs



11B_Ant1_2412_0~Reference



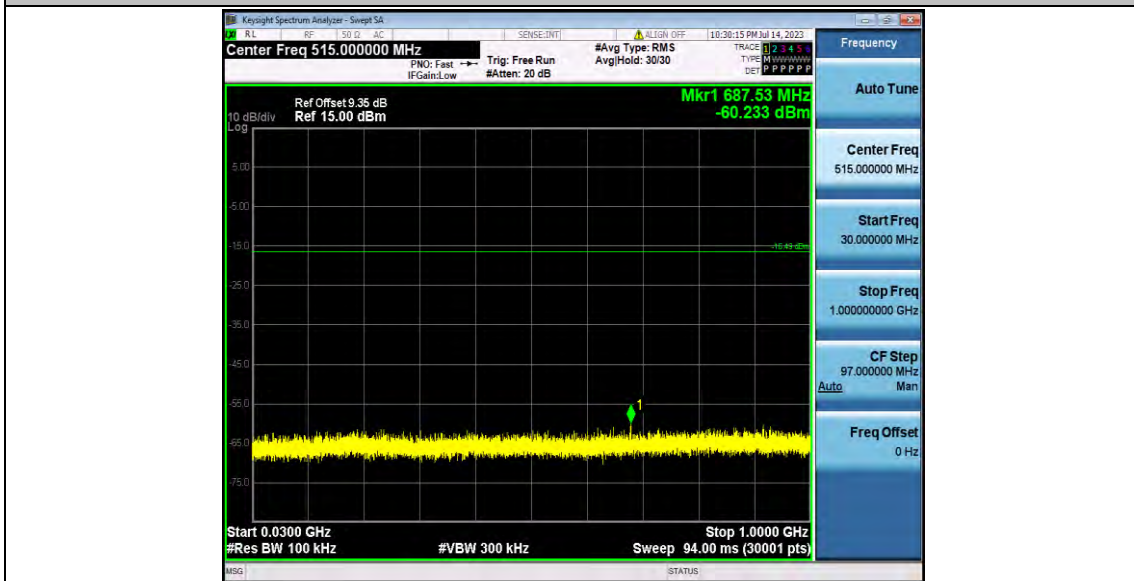
11B_Ant1_2412_30~1000



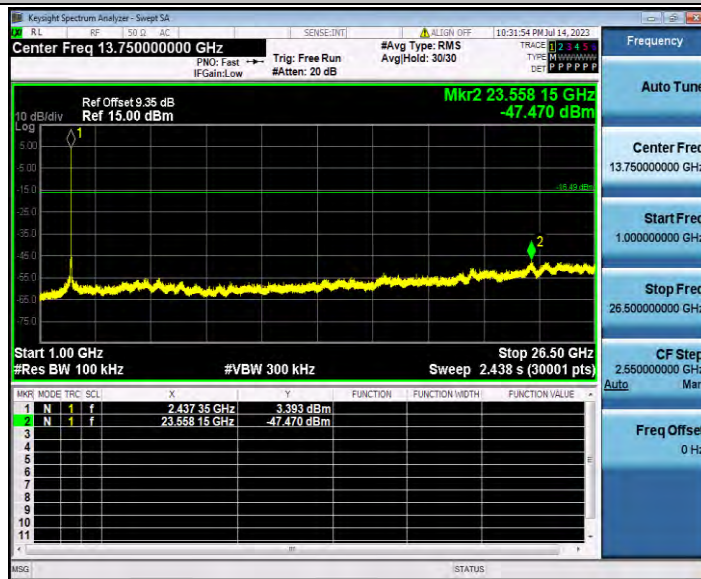
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



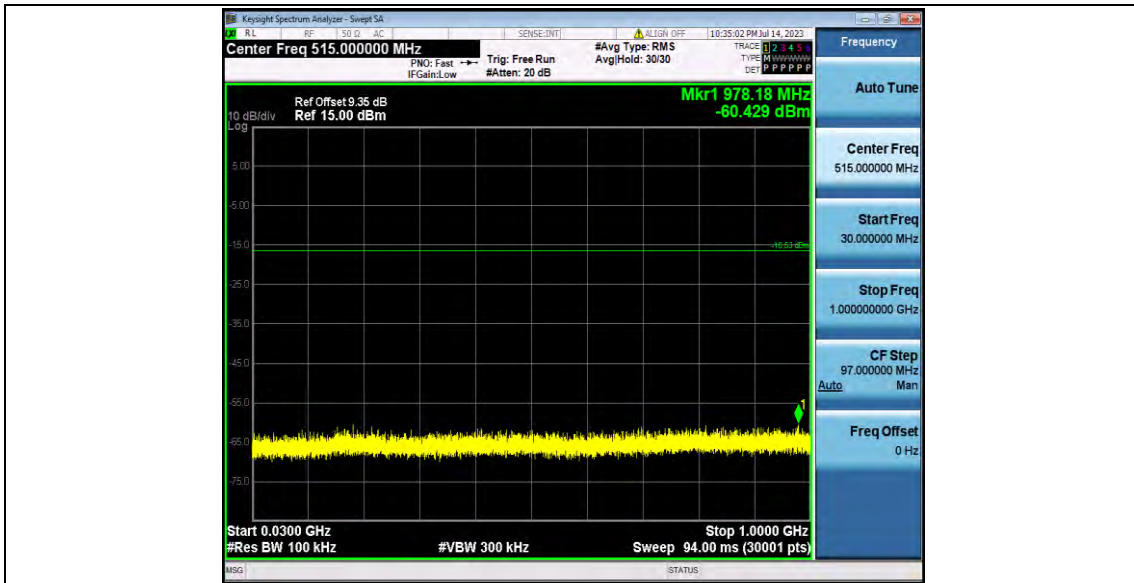
11B_Ant1_2437_30~1000



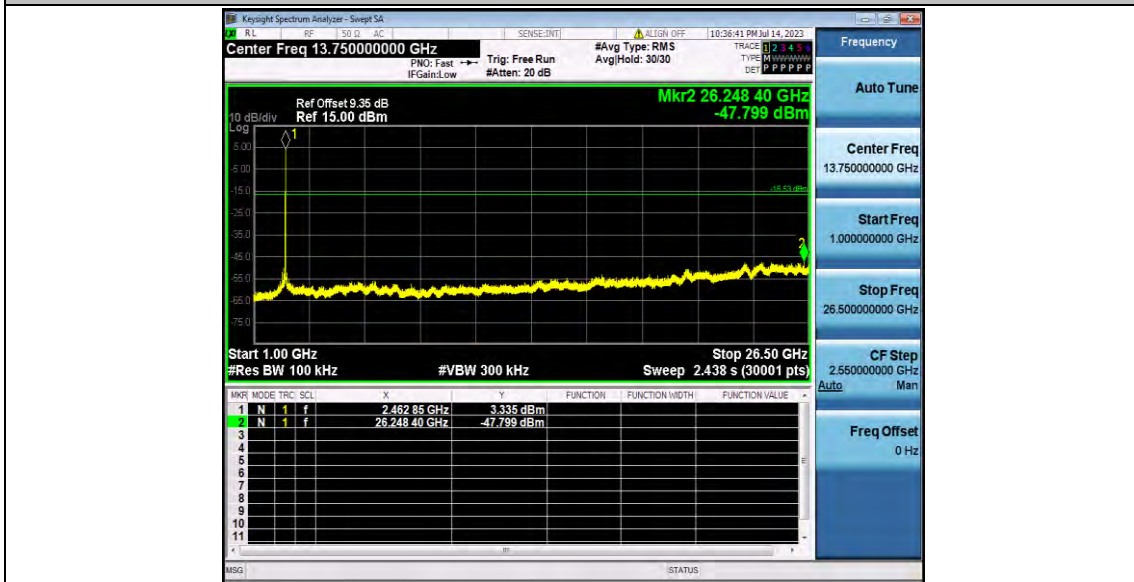
11B_Ant1_2437_1000~26500



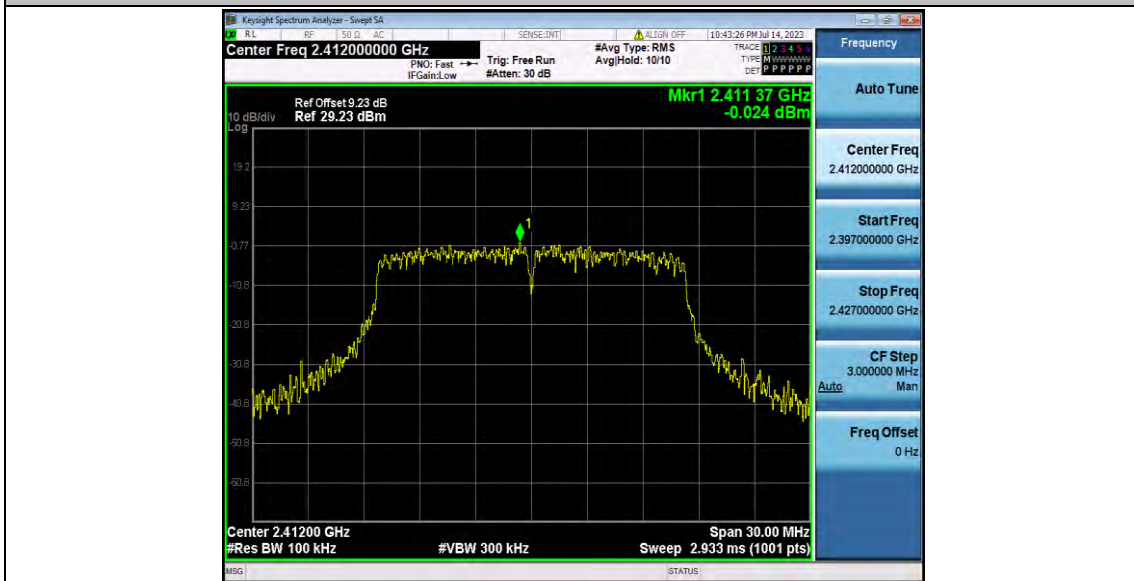
11B_Ant1_2462_0~Reference



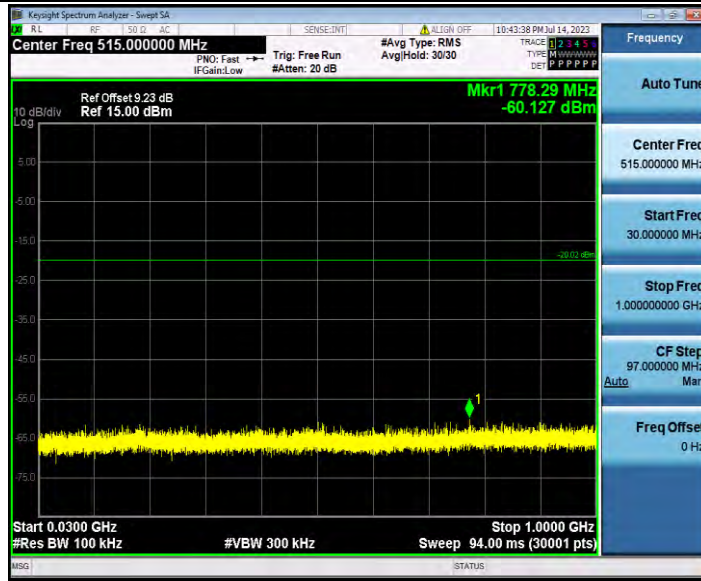
11B_Ant1_2462_30~1000



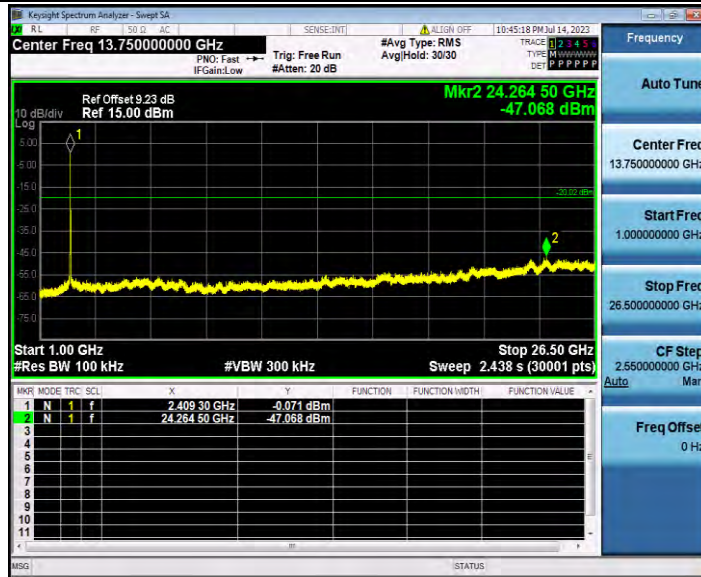
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



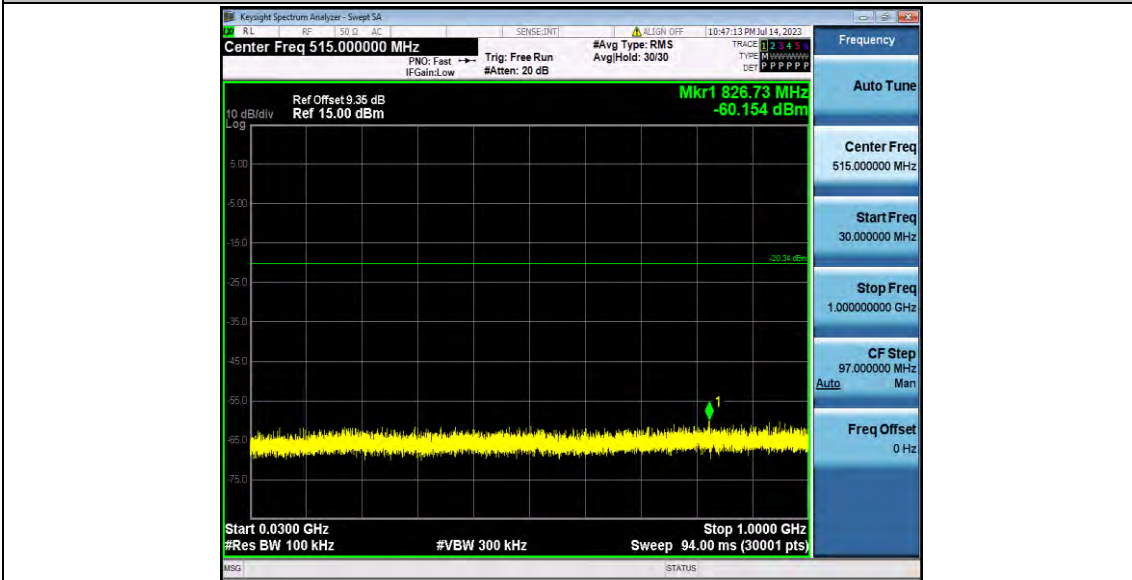
11G_Ant1_2412_30~1000



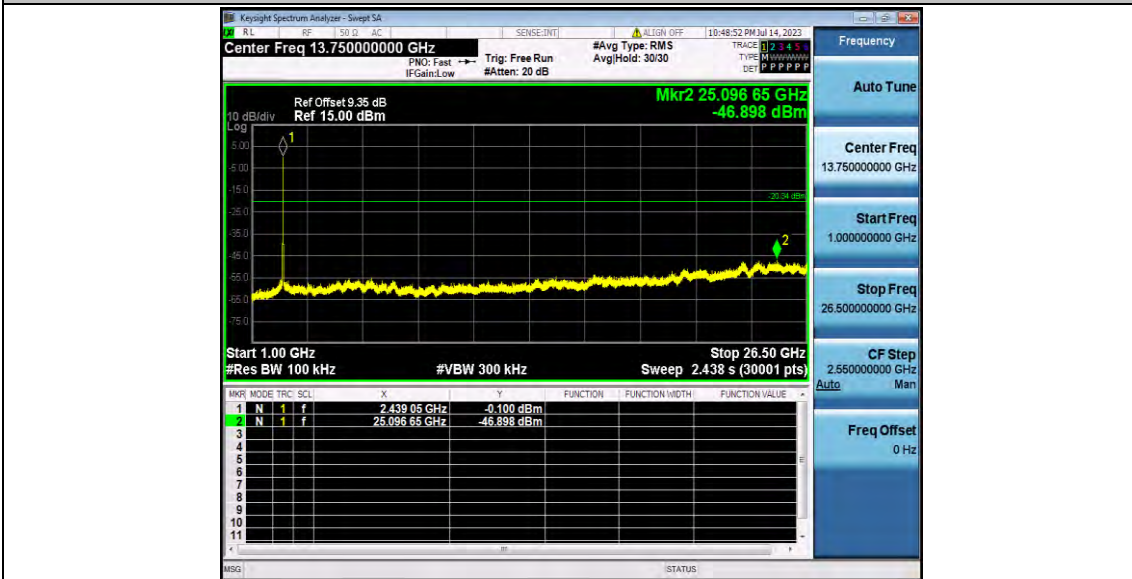
11G_Ant1_2412_1000~26500



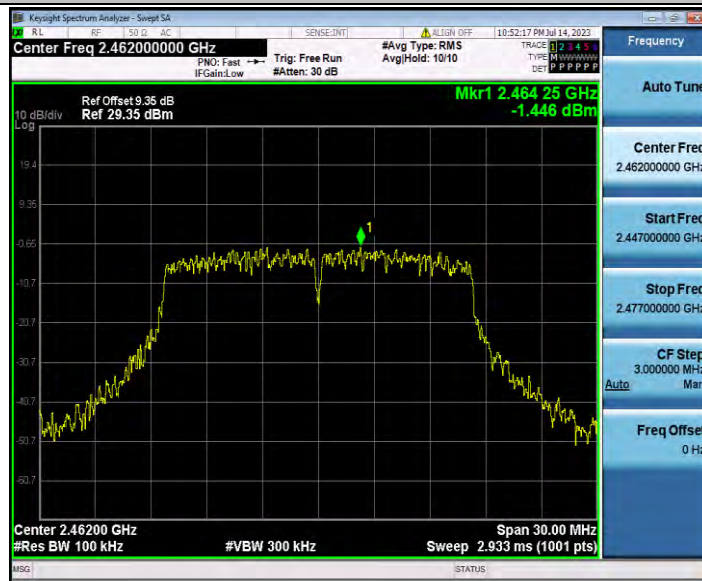
11G_Ant1_2437_0~Reference



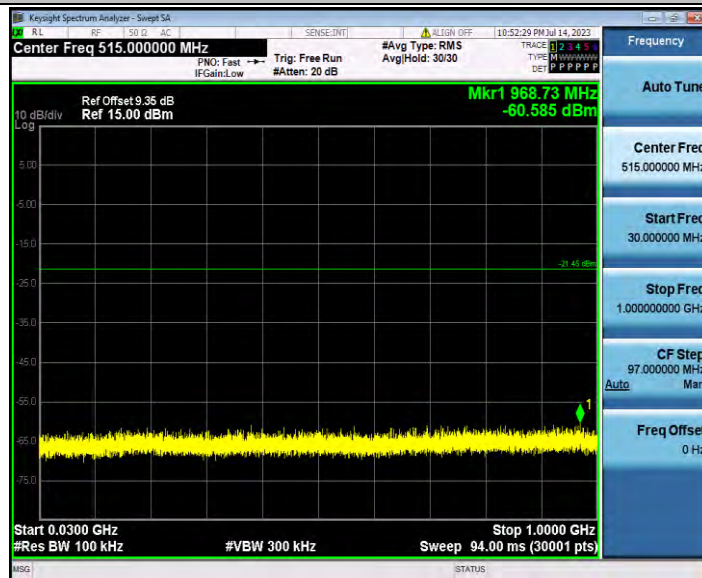
11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



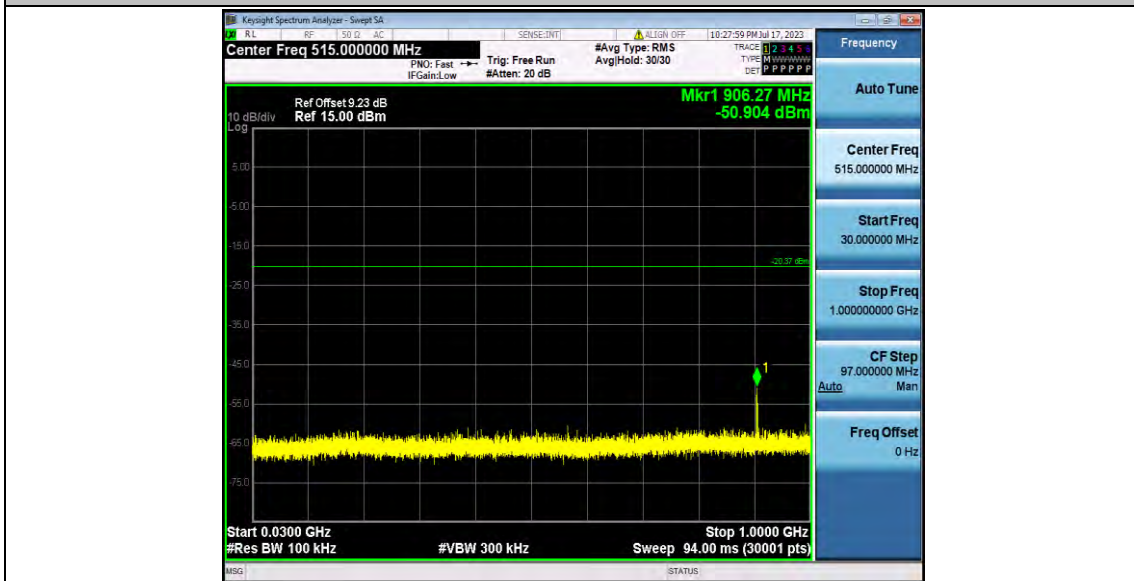
11G_Ant1_2462_30~1000



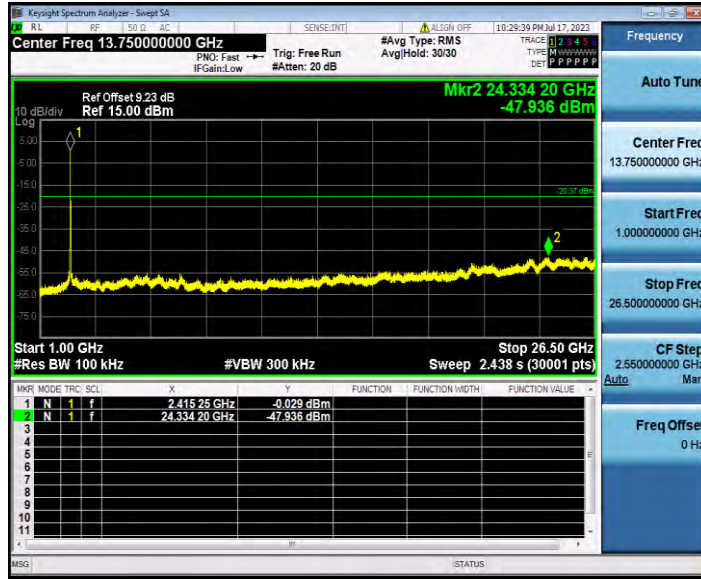
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



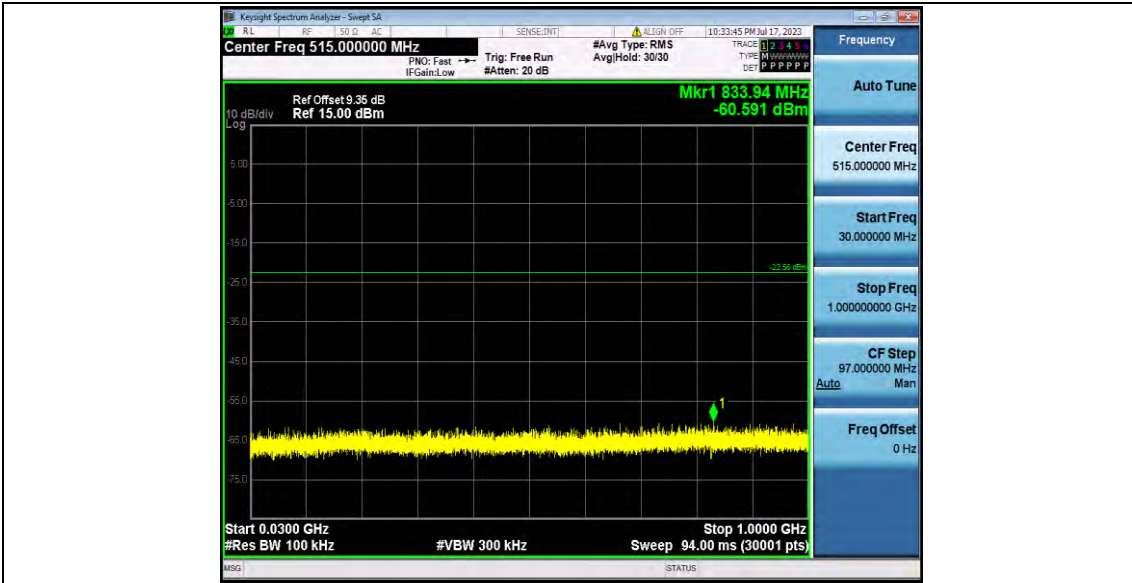
11N20SISO_Ant1_2412_30~1000



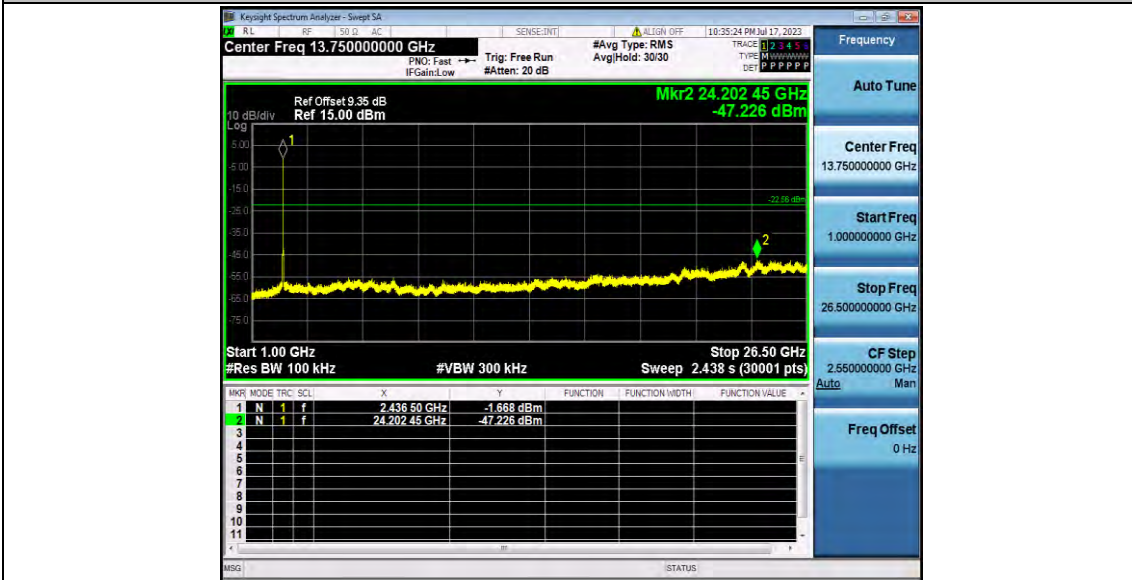
11N20SISO_Ant1_2412_1000~26500



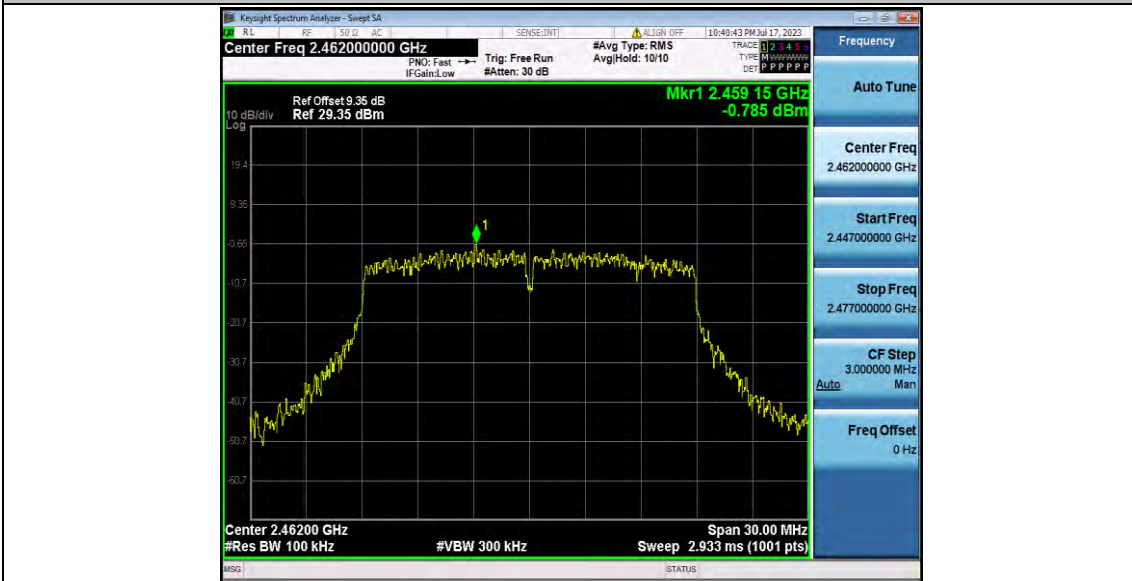
11N20SISO_Ant1_2437_0~Reference



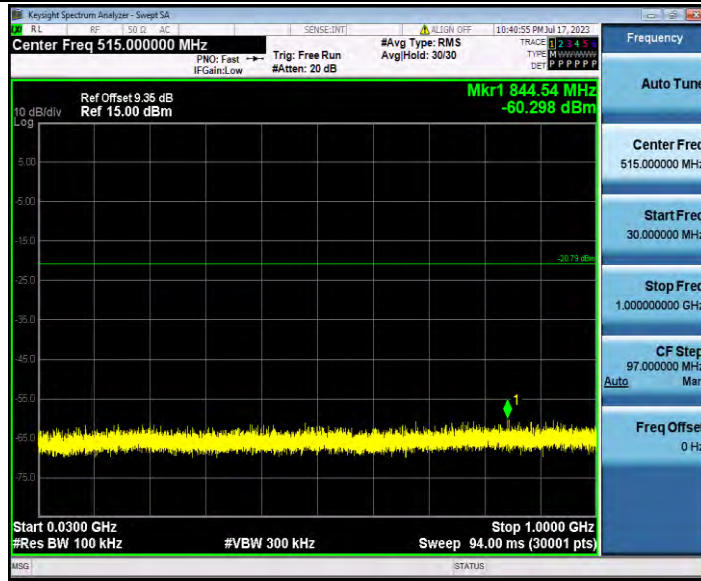
11N20SISO_Ant1_2437_30~1000



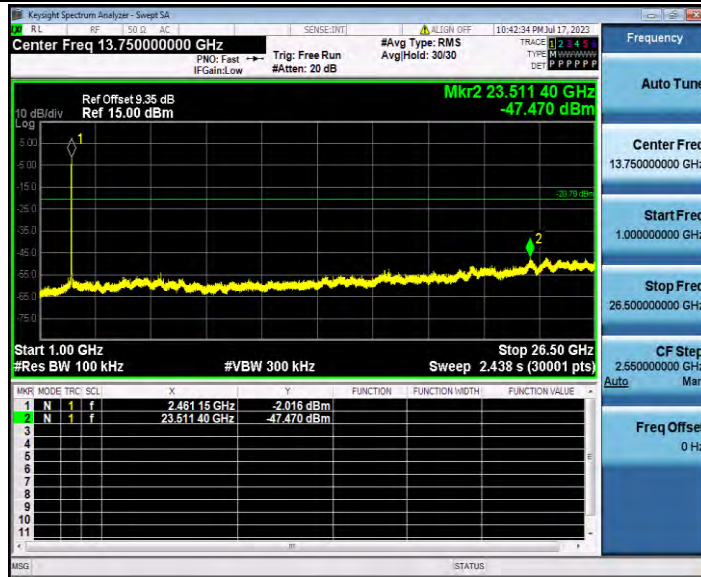
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



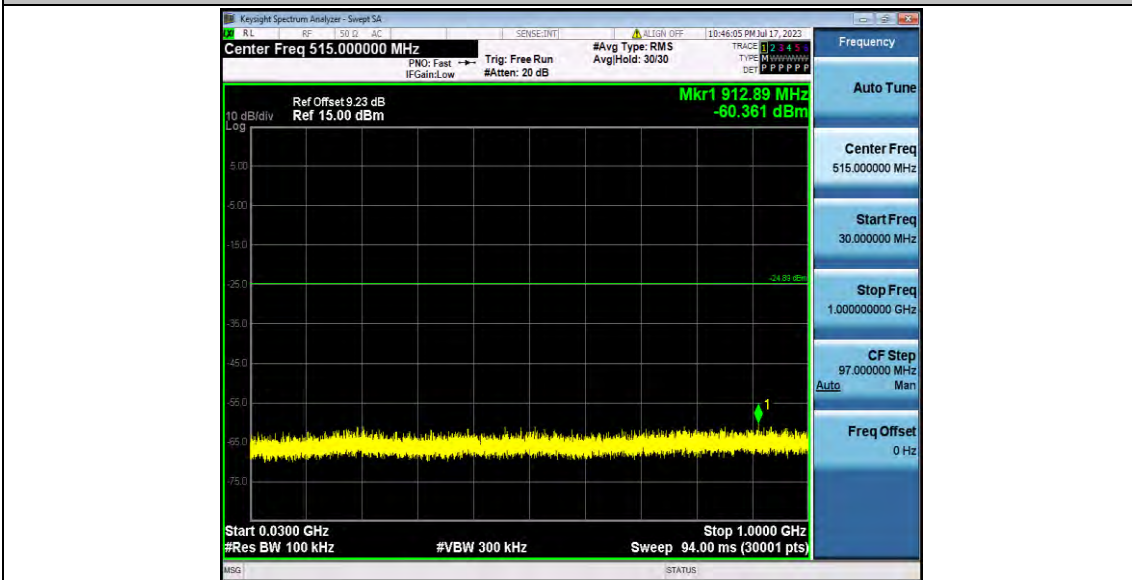
11N20SISO_Ant1_2462_30~1000



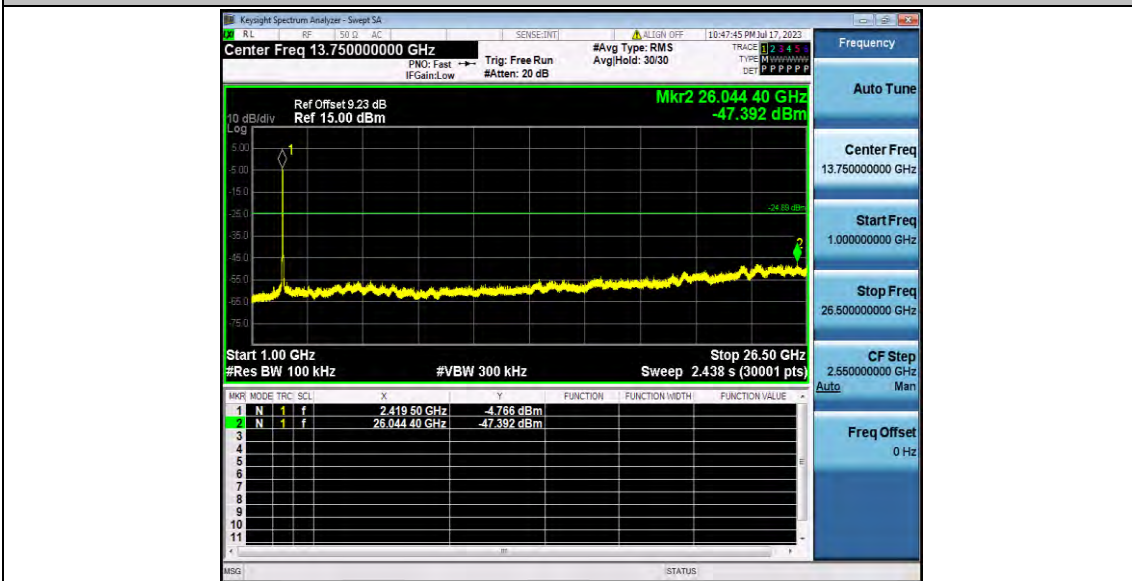
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



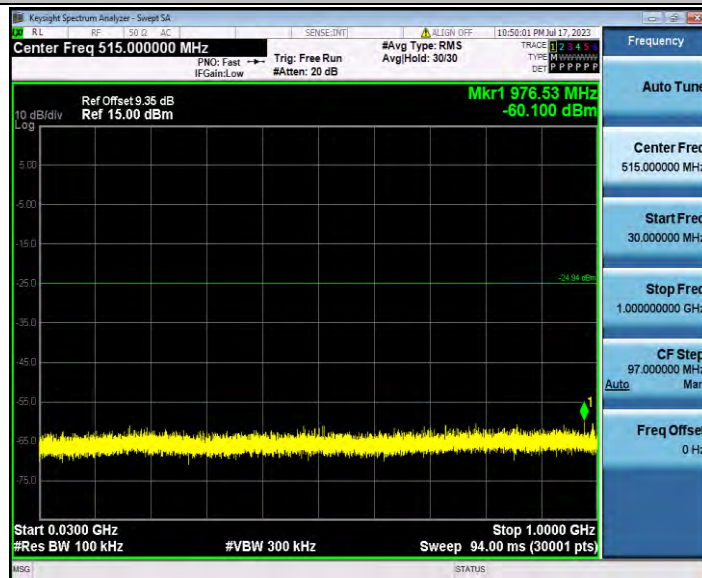
11N40SISO_Ant1_2422_30~1000



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

