

Case No. : <u>GTS20230704026-1-40</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.8.28</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	7.040	2408.480	2415.520	0.5	PASS
		2437	7.520	2433.440	2440.960	0.5	PASS
		2462	7.560	2458.440	2466.000	0.5	PASS
11G	Ant1	2412	12.720	2405.680	2418.400	0.5	PASS
		2437	15.520	2429.240	2444.760	0.5	PASS
		2462	15.680	2453.840	2469.520	0.5	PASS
11N20SISO	Ant1	2412	14.720	2404.520	2419.240	0.5	PASS
		2437	14.720	2430.360	2445.080	0.5	PASS
		2462	16.280	2453.840	2470.120	0.5	PASS
11AX20SISO	Ant1	2412	15.040	2404.440	2419.480	0.5	PASS
		2437	17.240	2428.480	2445.720	0.5	PASS
		2462	16.240	2453.440	2469.680	0.5	PASS

Test Graphs



11B_Ant1_2412



11B_Ant1_2437



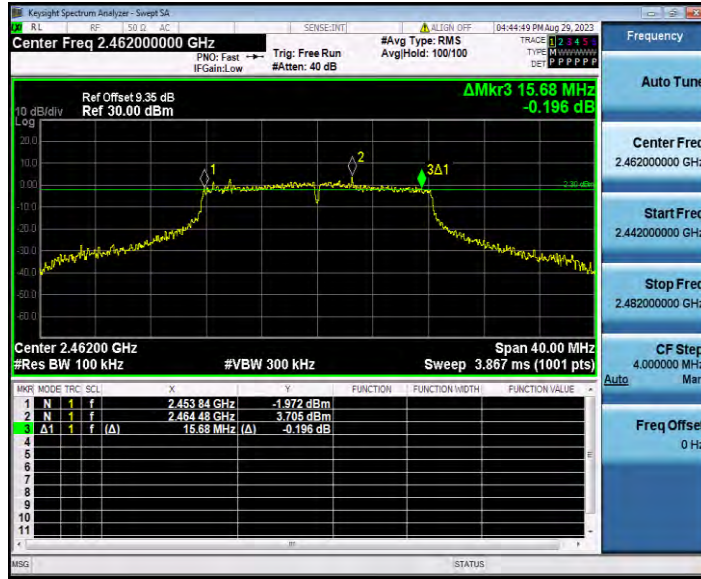
11B_Ant1_2462



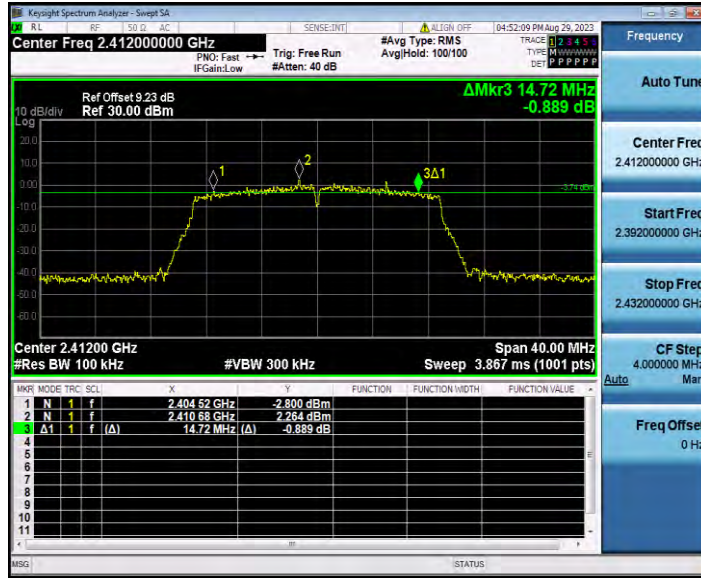
11G_Ant1_2412



11G_Ant1_2437



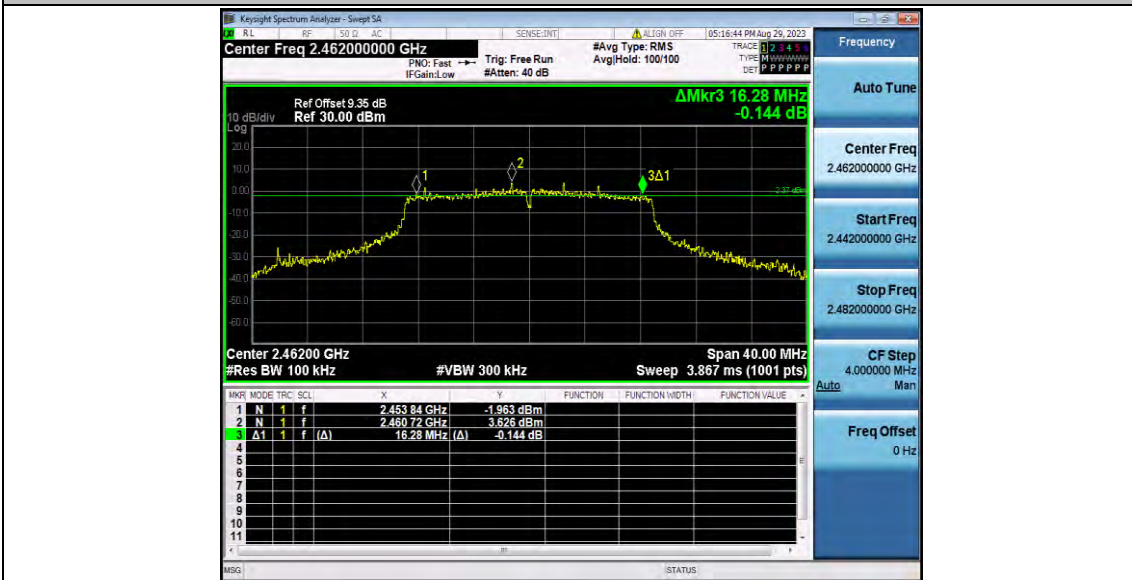
11G_Ant1_2462



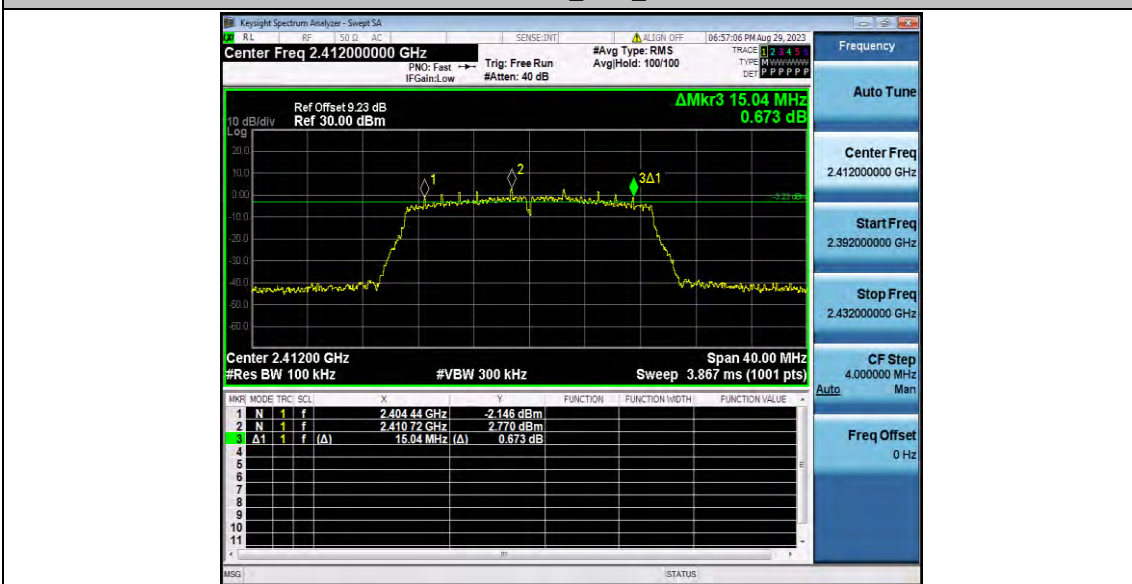
11N20SISO_Ant1_2412



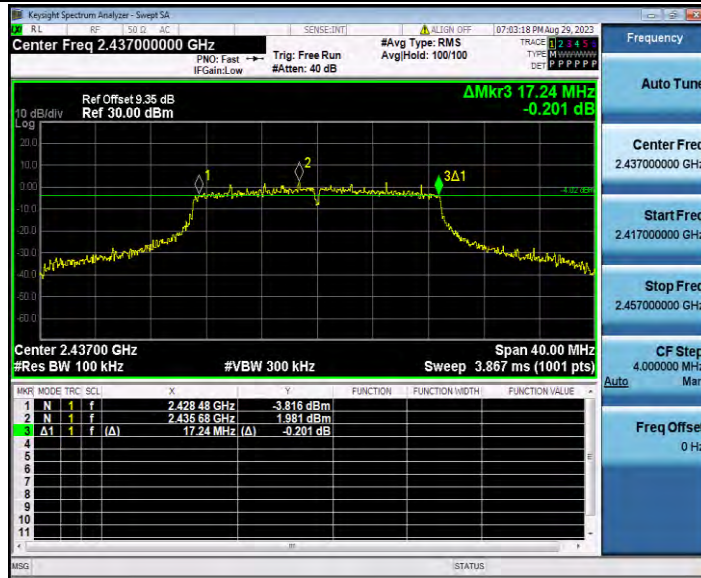
11N20SISO_Ant1_2437



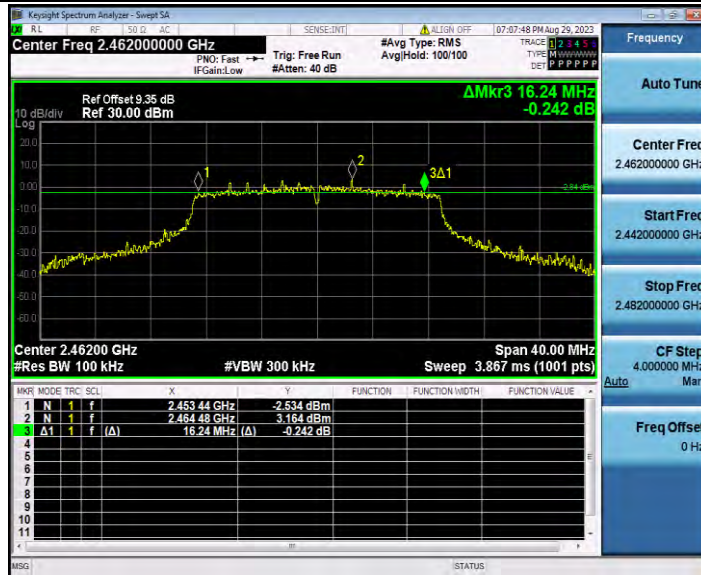
11N20SISO_Ant1_2462



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



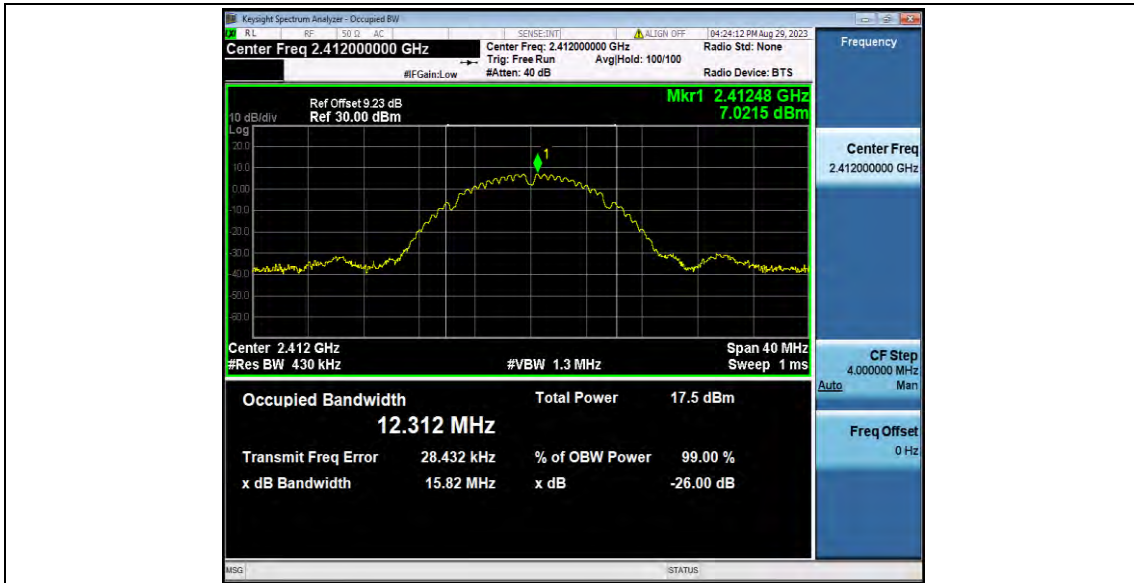
11AX20SISO_Ant1_2462

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	12.312	2405.872	2418.184	---	---
		2437	12.551	2430.753	2443.304	---	---
		2462	12.573	2455.697	2468.270	---	---
11G	Ant1	2412	16.676	2403.685	2420.361	---	---
		2437	17.532	2428.221	2445.753	---	---
		2462	17.452	2453.241	2470.693	---	---
11N20SISO	Ant1	2412	17.706	2403.141	2420.847	---	---
		2437	18.520	2427.749	2446.269	---	---
		2462	18.603	2452.597	2471.200	---	---
11AX20SISO	Ant1	2412	17.735	2403.151	2420.886	---	---
		2437	18.632	2427.750	2446.382	---	---
		2462	18.631	2452.631	2471.262	---	---

Test Graphs



11B_Ant1_2412



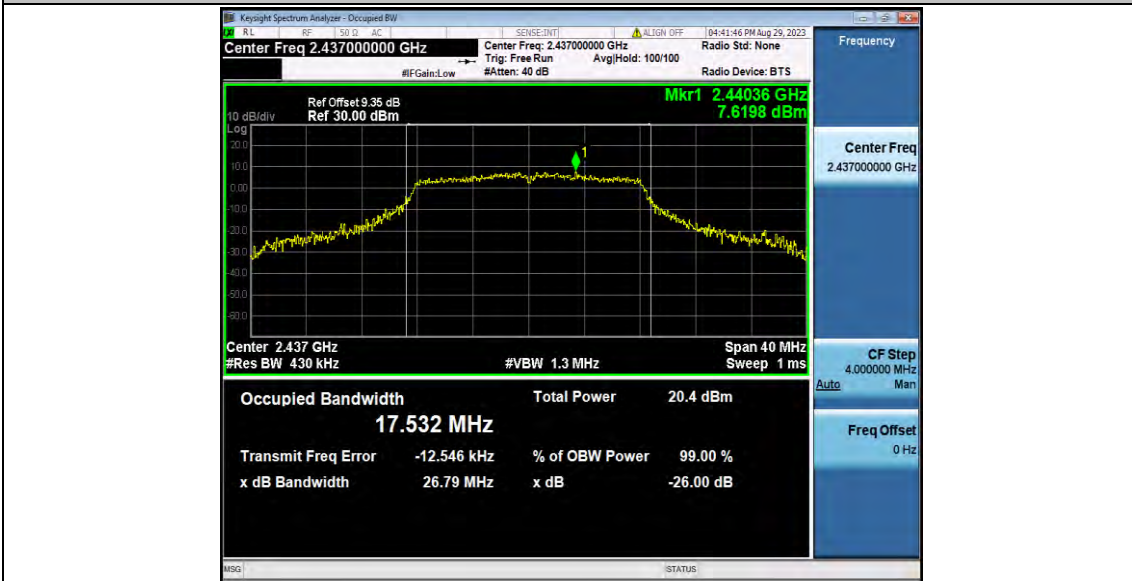
11B_Ant1_2437



11B_Ant1_2462



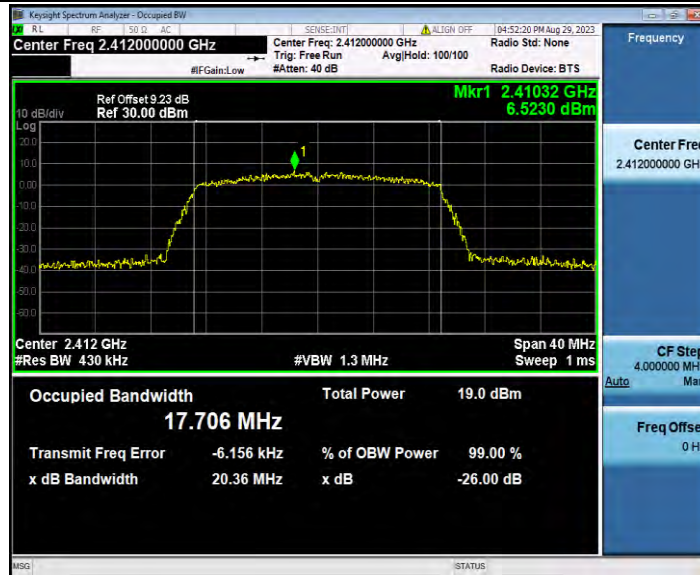
11G_Ant1_2412



11G_Ant1_2437



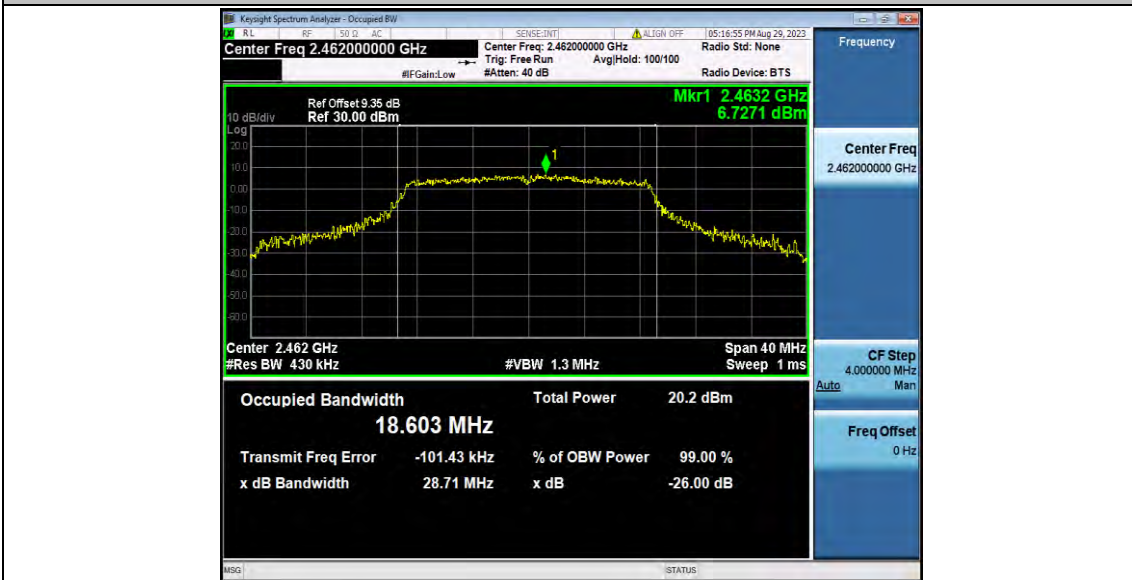
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



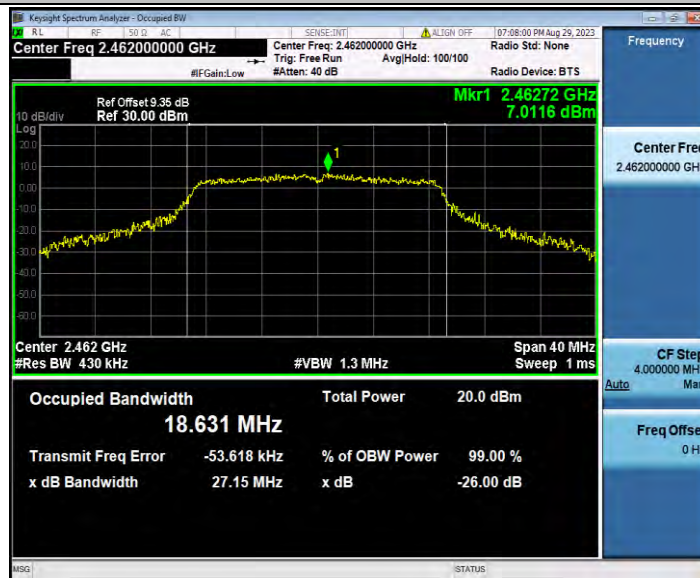
11N20SISO_Ant1_2462



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462

Appendix C.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	17.70	≤30.00	PASS
		2437	18.26	≤30.00	PASS
		2462	18.61	≤30.00	PASS
11G	Ant1	2412	20.84	≤30.00	PASS
		2437	21.56	≤30.00	PASS
		2462	21.81	≤30.00	PASS
11N20SISO	Ant1	2412	20.22	≤30.00	PASS
		2437	20.93	≤30.00	PASS
		2462	21.29	≤30.00	PASS
11AX20SISO	Ant1	2412	20.26	≤30.00	PASS
		2437	20.86	≤30.00	PASS
		2462	21.29	≤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	-6.57	≤8.00	PASS
		2437	-7.84	≤8.00	PASS
		2462	-7.24	≤8.00	PASS
11G	Ant1	2412	-10.86	≤8.00	PASS
		2437	-10.4	≤8.00	PASS
		2462	-10.17	≤8.00	PASS
11N20SISO	Ant1	2412	-10.88	≤8.00	PASS
		2437	-9.07	≤8.00	PASS
		2462	-9.54	≤8.00	PASS
11AX20SISO	Ant1	2412	-11.69	≤8.00	PASS
		2437	-11.43	≤8.00	PASS
		2462	-10.43	≤8.00	PASS

Test Graphs



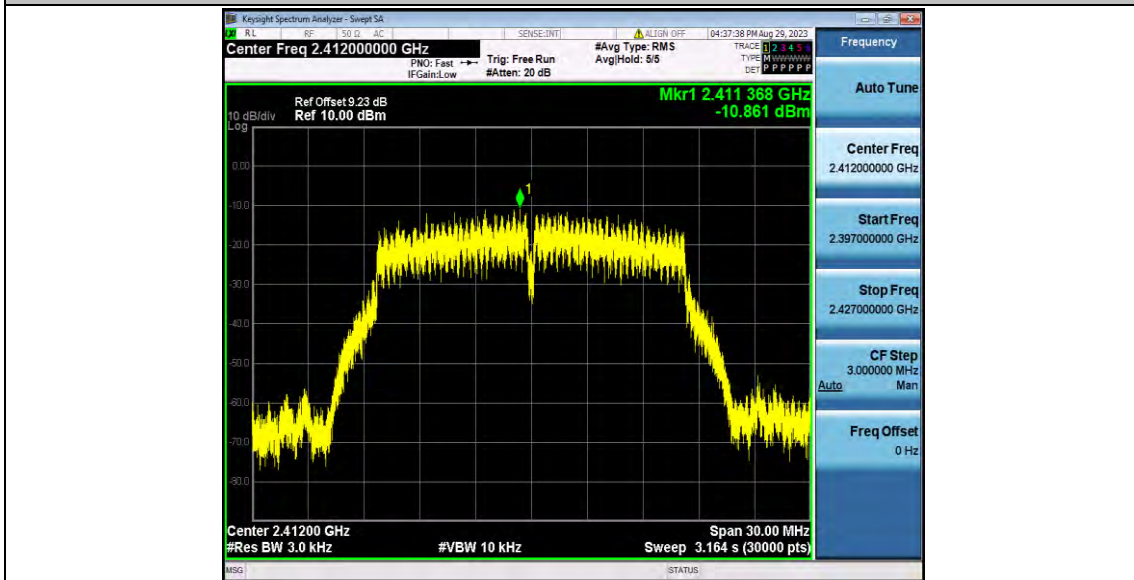
11B_Ant1_2412



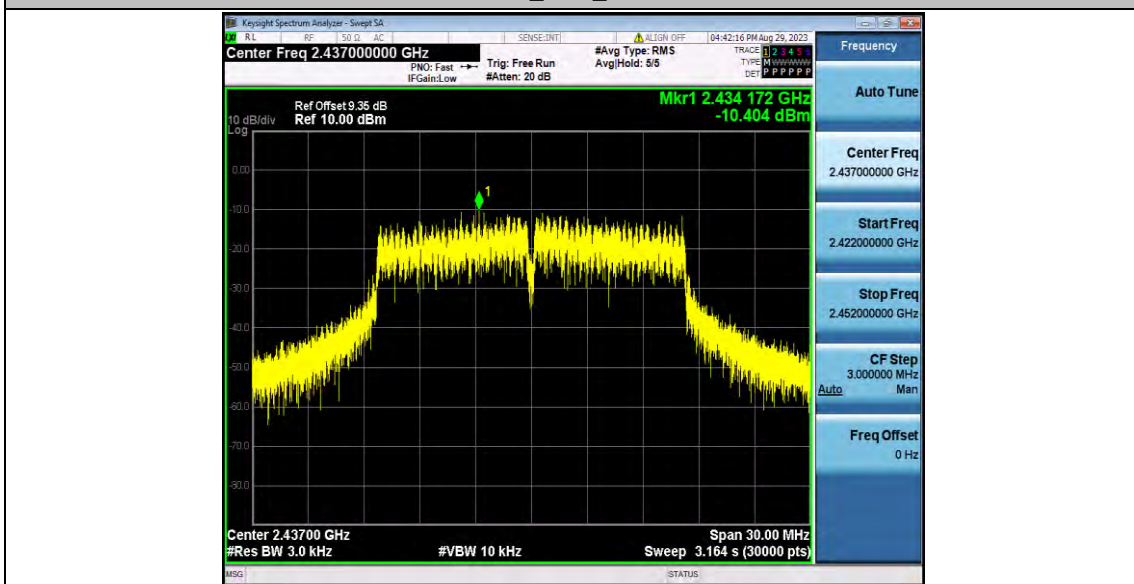
11B_Ant1_2437



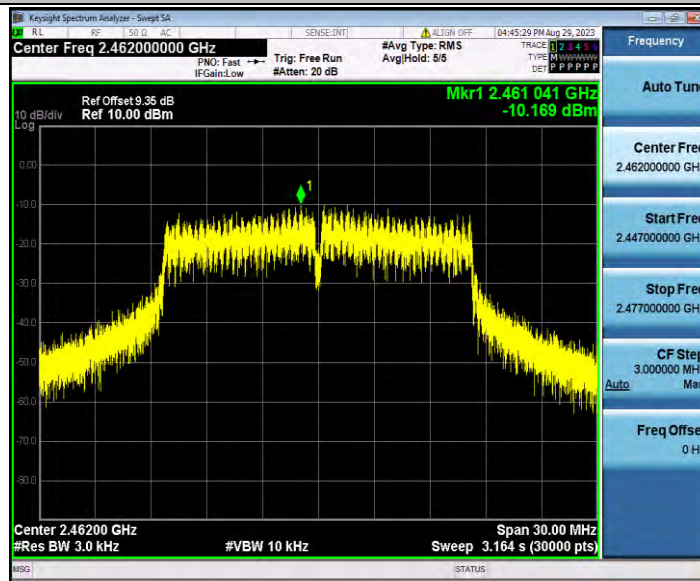
11B_Ant1_2462



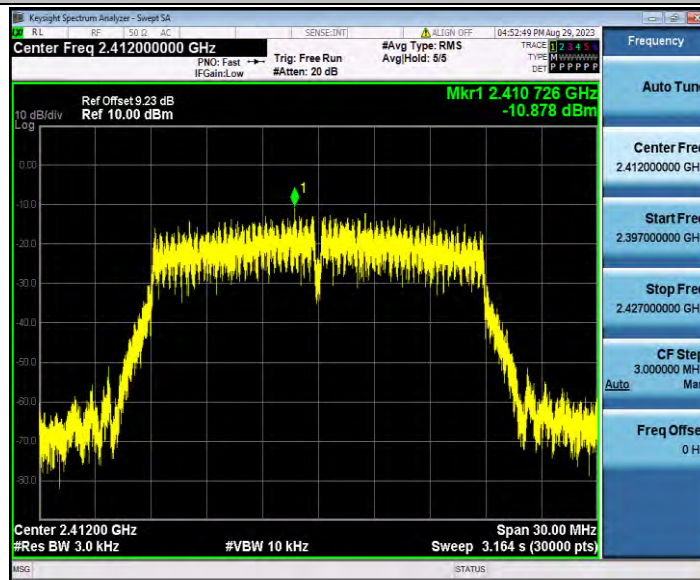
11G_Ant1_2412



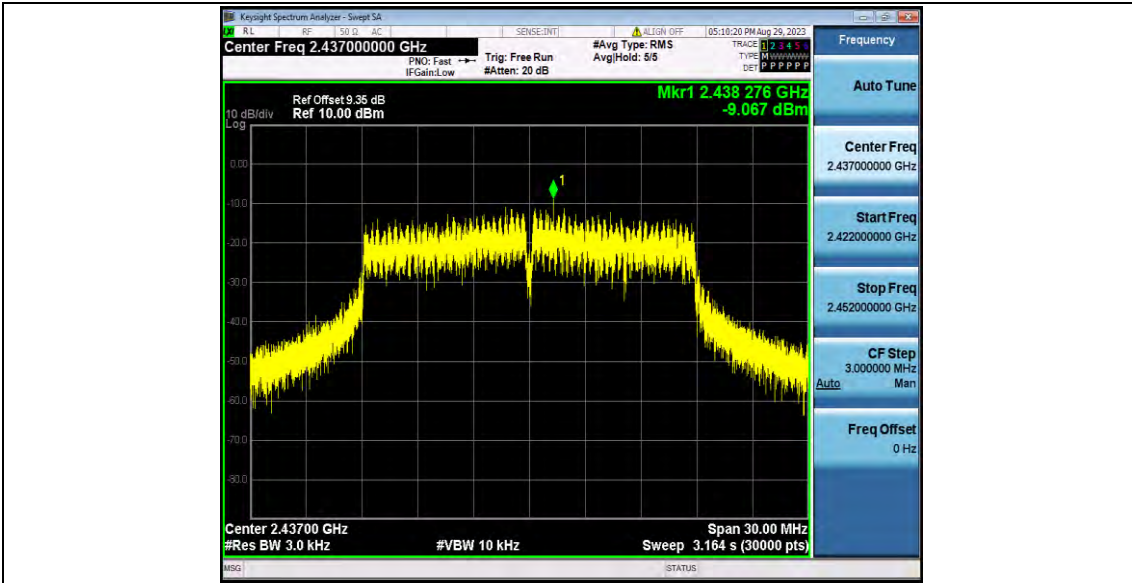
11G_Ant1_2437



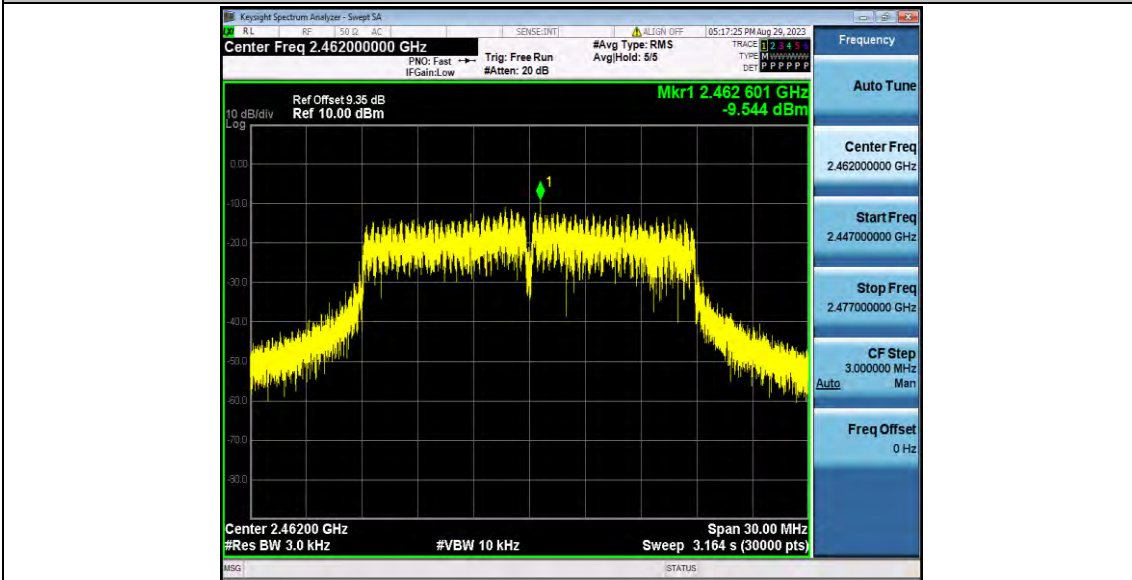
11G_Ant1_2462



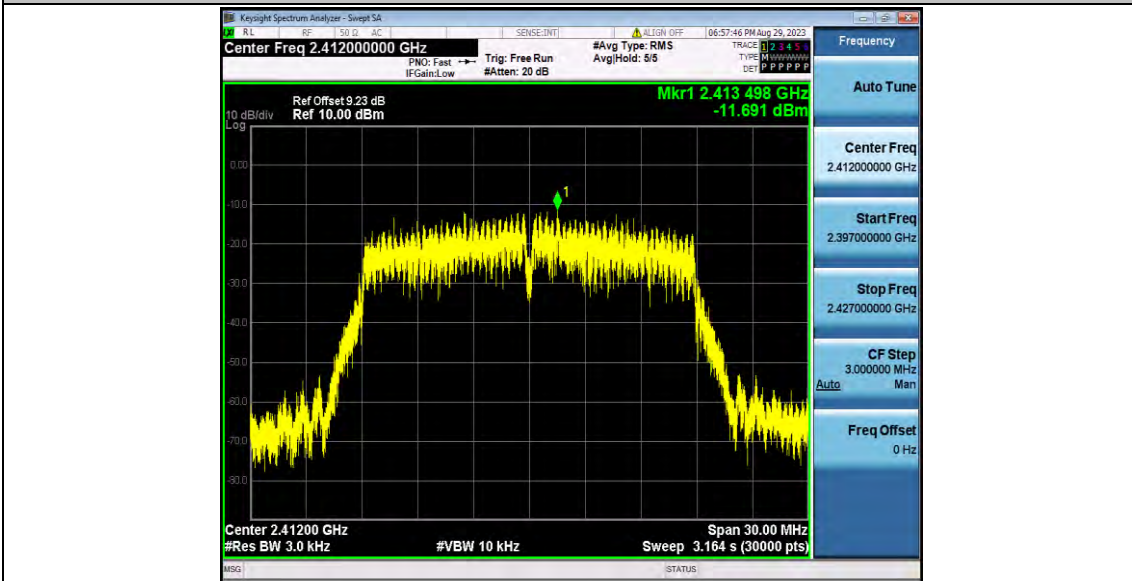
11N20SISO_Ant1_2412



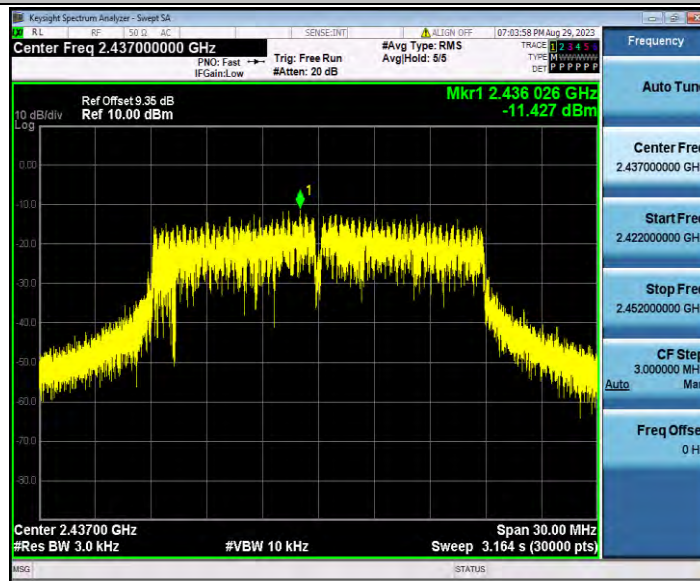
11N20SISO_Ant1_2437



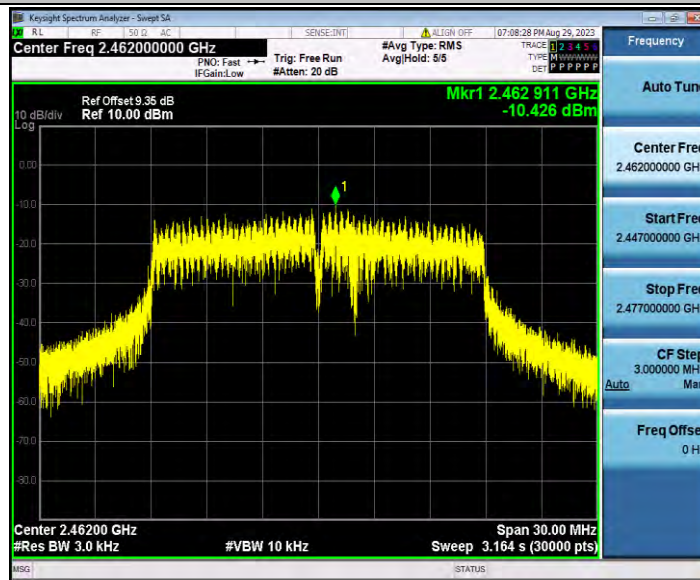
11N20SISO_Ant1_2462



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



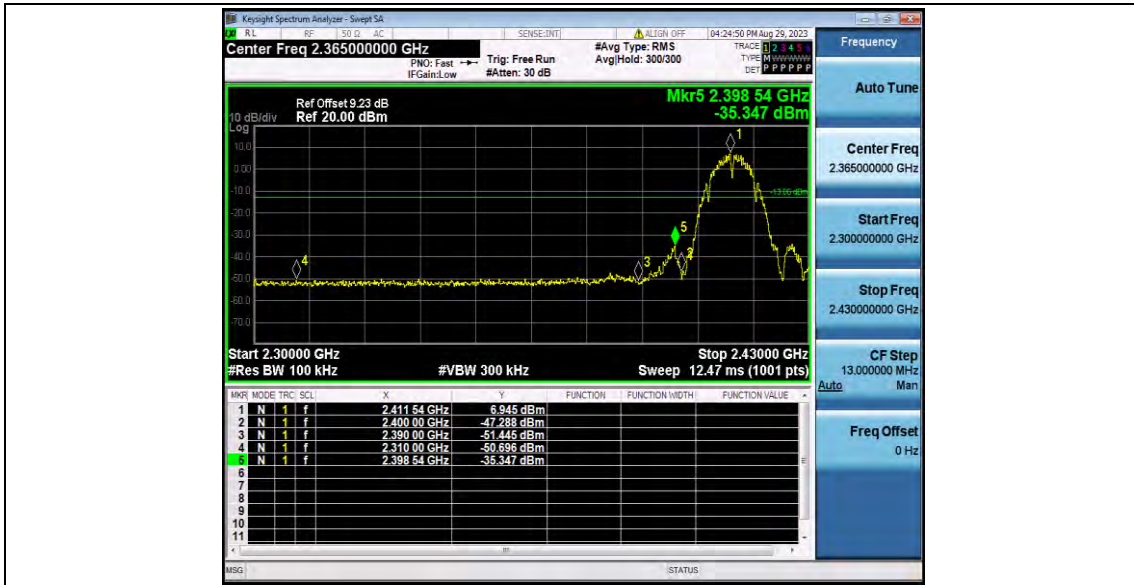
11AX20SISO_Ant1_2462

Appendix C.5: Band edge measurements

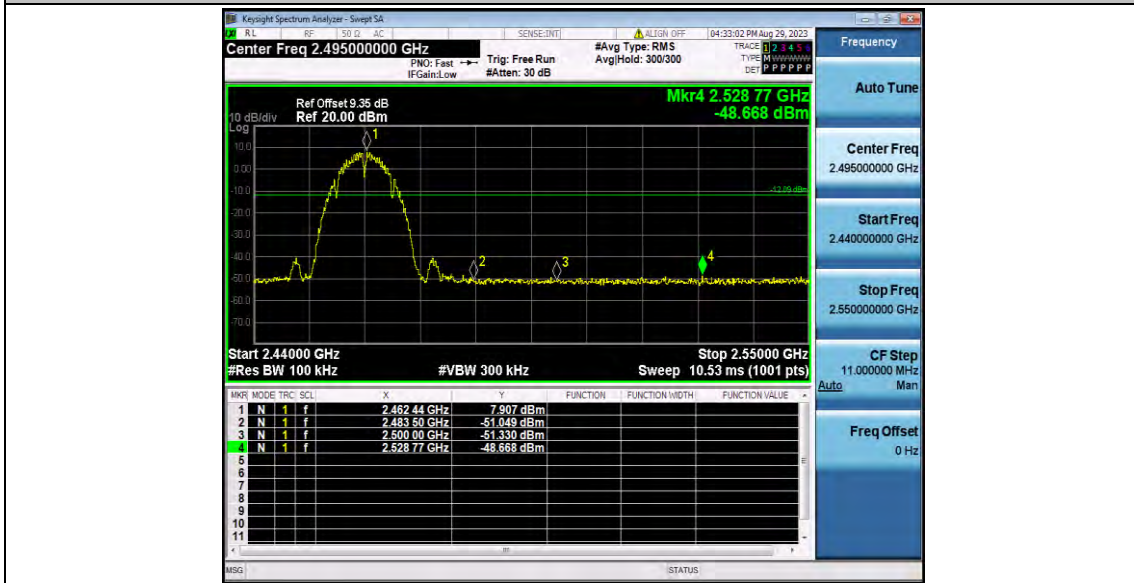
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.95	-35.35	≤-13.06	PASS
		High	2462	7.91	-48.67	≤-12.09	PASS
11G	Ant1	Low	2412	3.95	-41.68	≤-16.06	PASS
		High	2462	4.23	-47.73	≤-15.77	PASS
11N20SISO	Ant1	Low	2412	3.18	-41.46	≤-16.82	PASS
		High	2462	3.87	-48.02	≤-16.13	PASS
11AX20SISO	Ant1	Low	2412	2.82	-43.2	≤-17.18	PASS
		High	2462	4.05	-47.08	≤-15.95	PASS

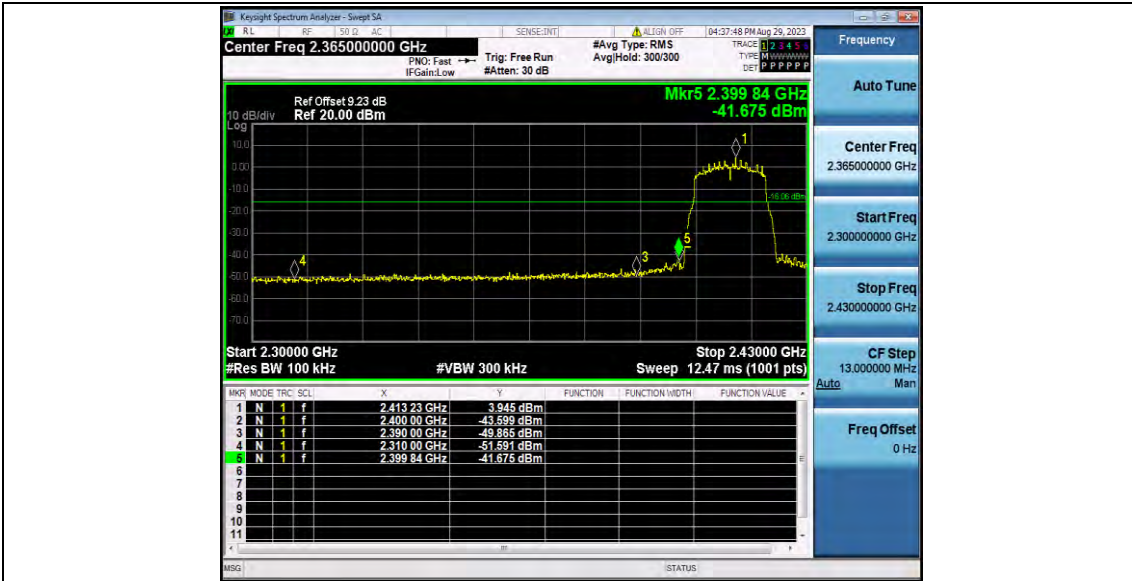
Test Graphs



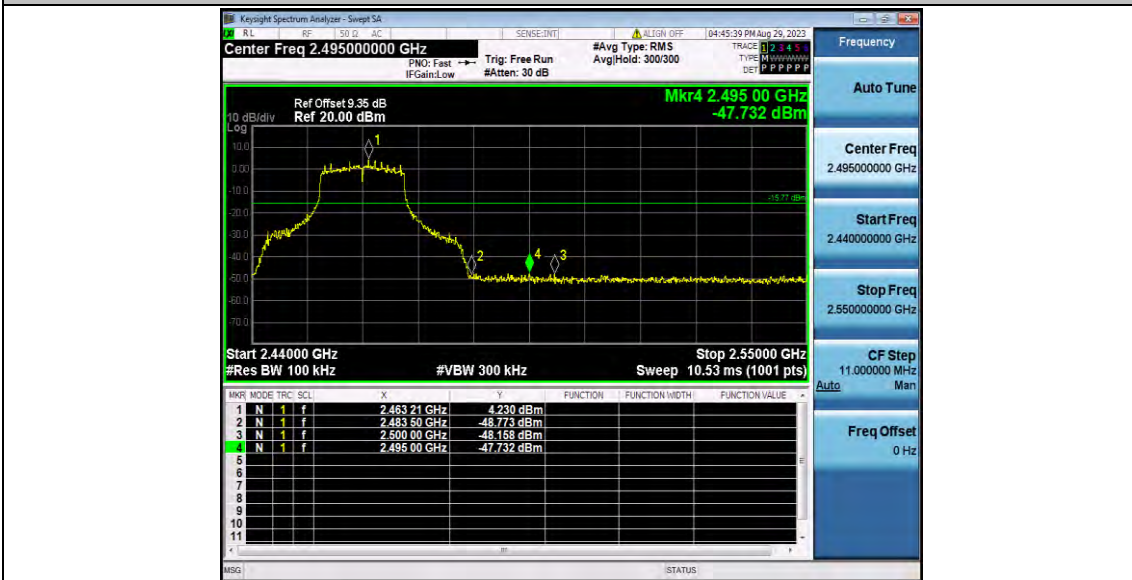
11B_Ant1_Low_2412



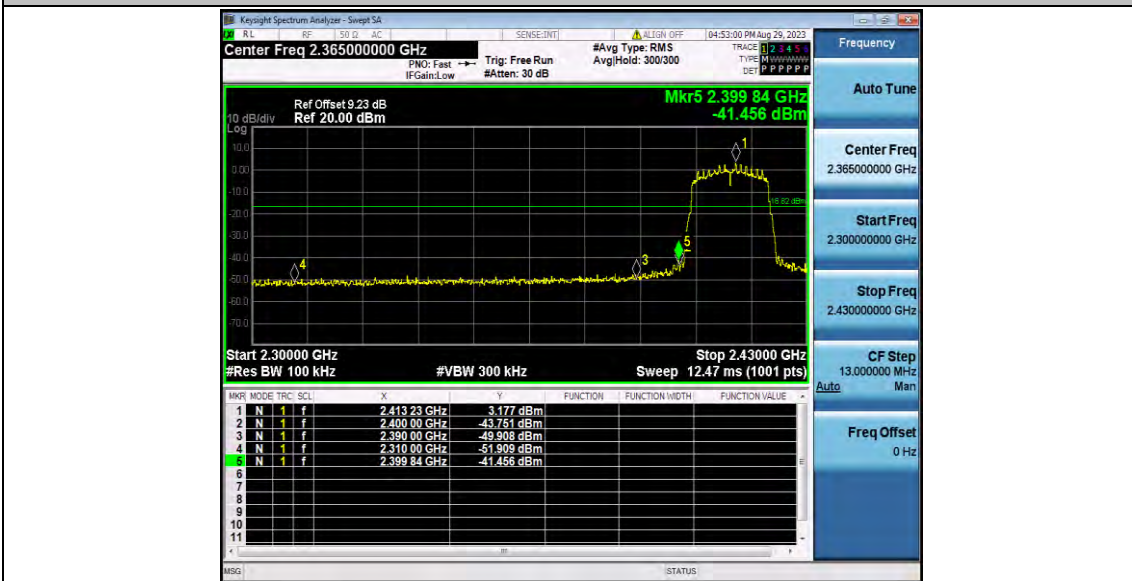
11B_Ant1_High_2462



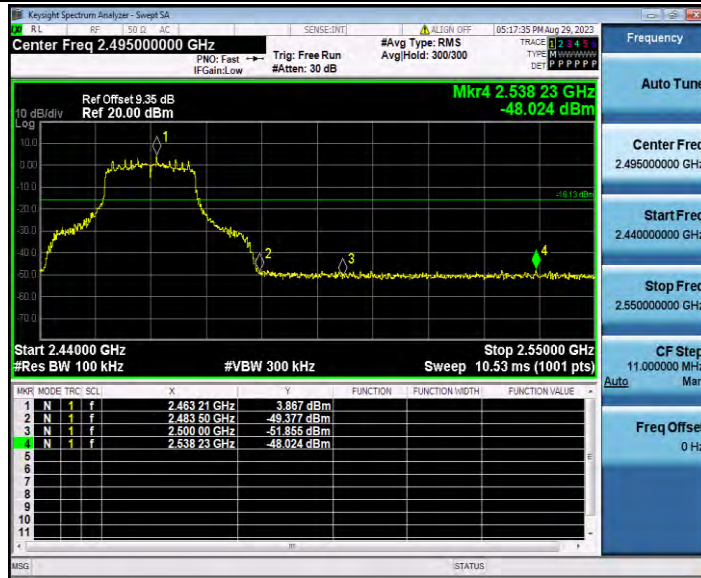
11G_Ant1_Low_2412



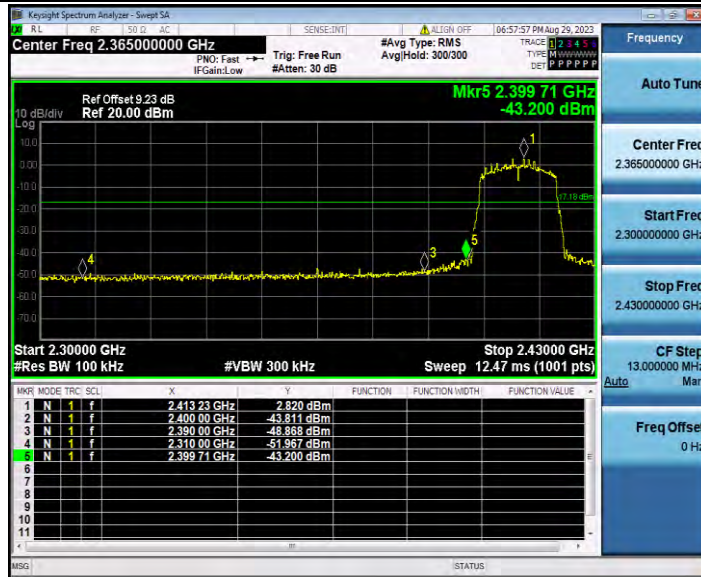
11G_Ant1_High_2462



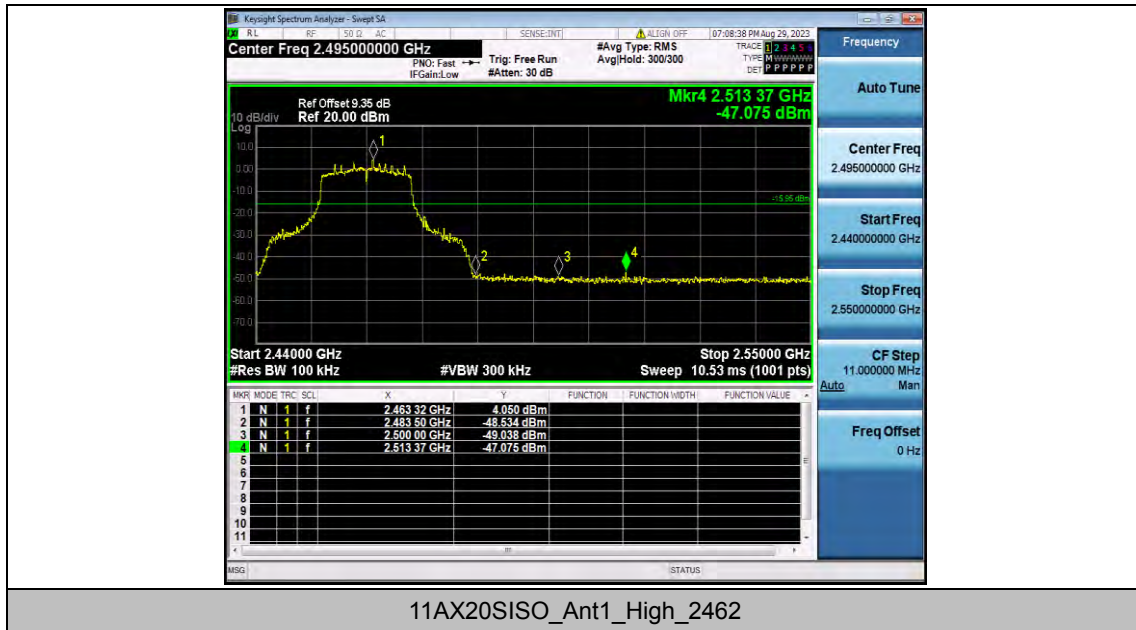
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462

Appendix C.6: Conducted Spurious Emission

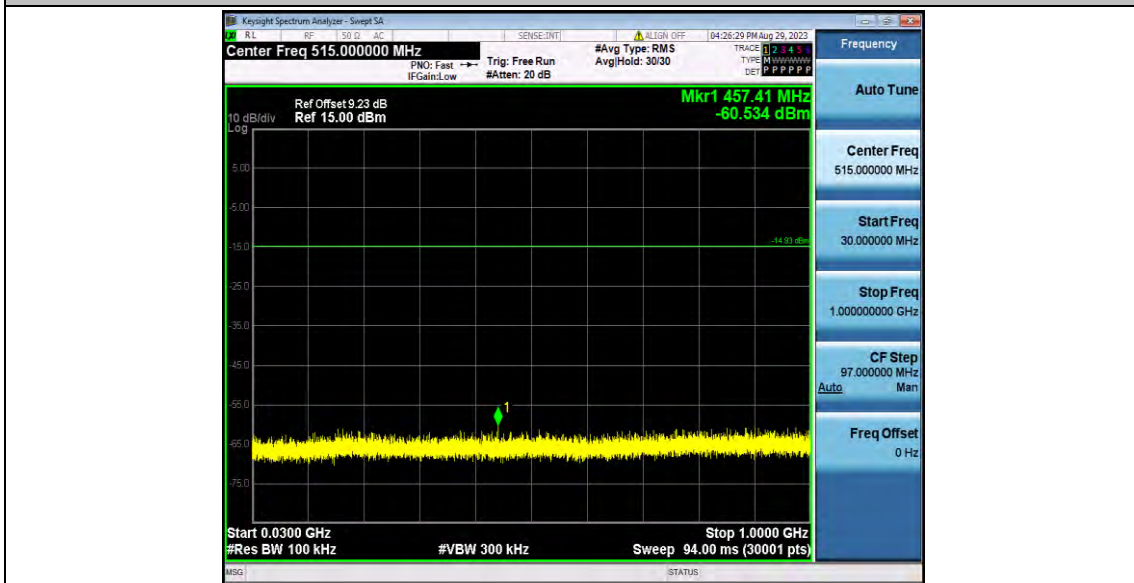
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.07	5.07	---	PASS
			30~1000	5.07	-60.53	≤-14.93	PASS
			1000~26500	5.07	-41.38	≤-14.93	PASS
		2437	Reference	5.81	5.81	---	PASS
			30~1000	5.81	-60.06	≤-14.19	PASS
			1000~26500	5.81	-41.14	≤-14.19	PASS
		2462	Reference	5.10	5.10	---	PASS
			30~1000	5.10	-59.99	≤-14.9	PASS
			1000~26500	5.10	-41.04	≤-14.9	PASS
11G	Ant1	2412	Reference	0.45	0.45	---	PASS
			30~1000	0.45	-59.74	≤-19.55	PASS
			1000~26500	0.45	-47.51	≤-19.55	PASS
		2437	Reference	0.67	0.67	---	PASS
			30~1000	0.67	-60.51	≤-19.33	PASS
			1000~26500	0.67	-46.65	≤-19.33	PASS
		2462	Reference	0.69	0.69	---	PASS
			30~1000	0.69	-59.66	≤-19.31	PASS
			1000~26500	0.69	-46.98	≤-19.31	PASS
11N20SISO	Ant1	2412	Reference	-0.71	-0.71	---	PASS
			30~1000	-0.71	-60.36	≤-20.71	PASS
			1000~26500	-0.71	-47.57	≤-20.71	PASS
		2437	Reference	0.14	0.14	---	PASS
			30~1000	0.14	-59.98	≤-19.86	PASS
			1000~26500	0.14	-47.55	≤-19.86	PASS
		2462	Reference	1.69	1.69	---	PASS
			30~1000	1.69	-59.73	≤-18.31	PASS
			1000~26500	1.69	-47.57	≤-18.31	PASS
11AX20SISO	Ant1	2412	Reference	-0.21	-0.21	---	PASS
			30~1000	-0.21	-60.1	≤-20.21	PASS
			1000~26500	-0.21	-46.55	≤-20.21	PASS
		2437	Reference	-0.70	-0.70	---	PASS
			30~1000	-0.70	-60.31	≤-20.7	PASS
			1000~26500	-0.70	-47	≤-20.7	PASS
		2462	Reference	1.53	1.53	---	PASS
			30~1000	1.53	-60.12	≤-18.47	PASS
			1000~26500	1.53	-47.11	≤-18.47	PASS

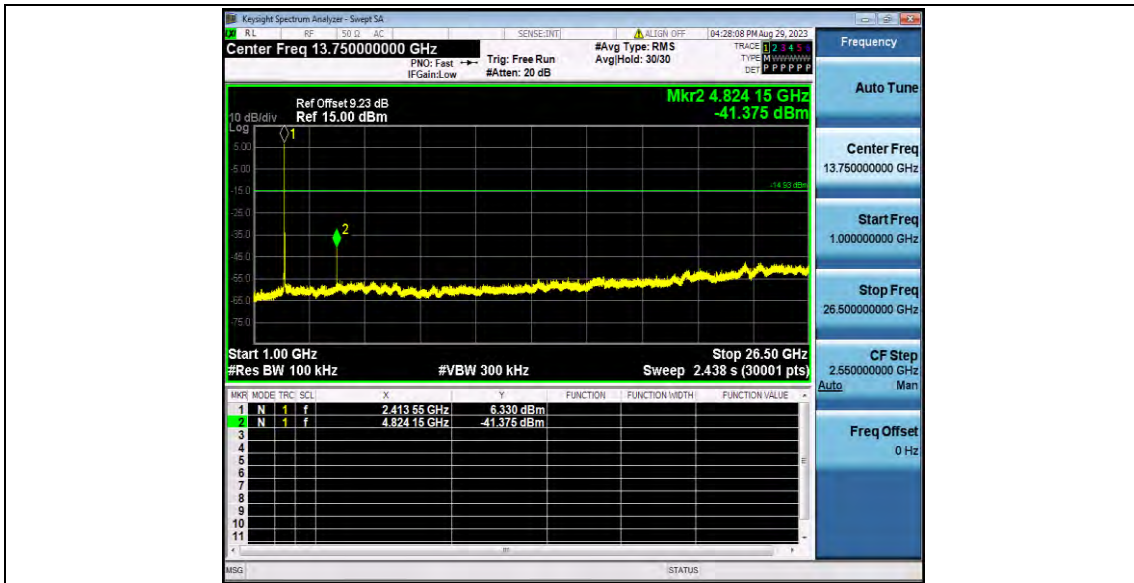
Test Graphs



11B_Ant1_2412_0~Reference



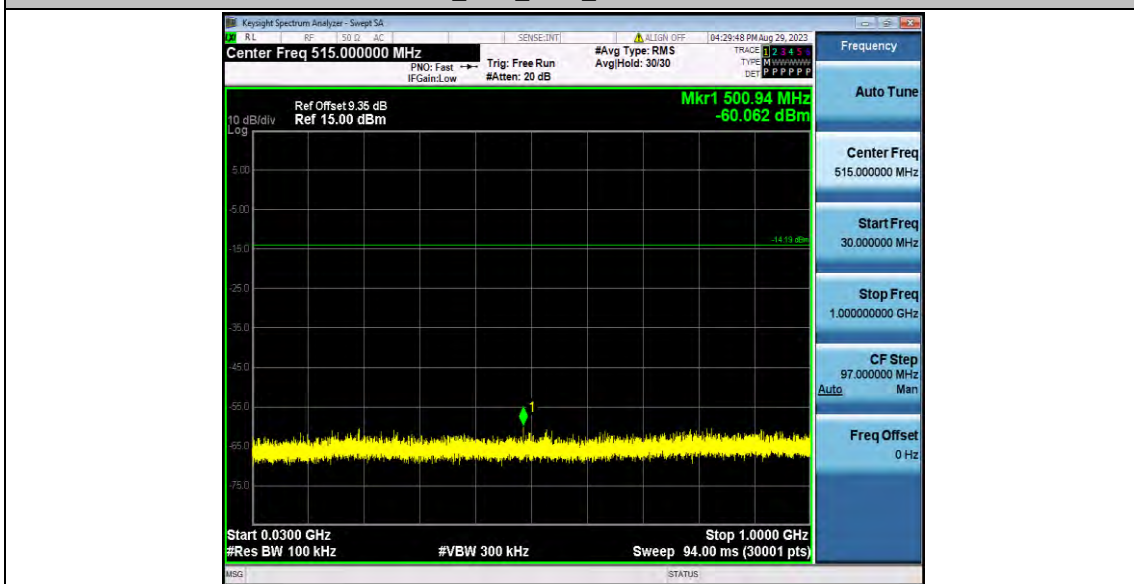
11B_Ant1_2412_30~1000



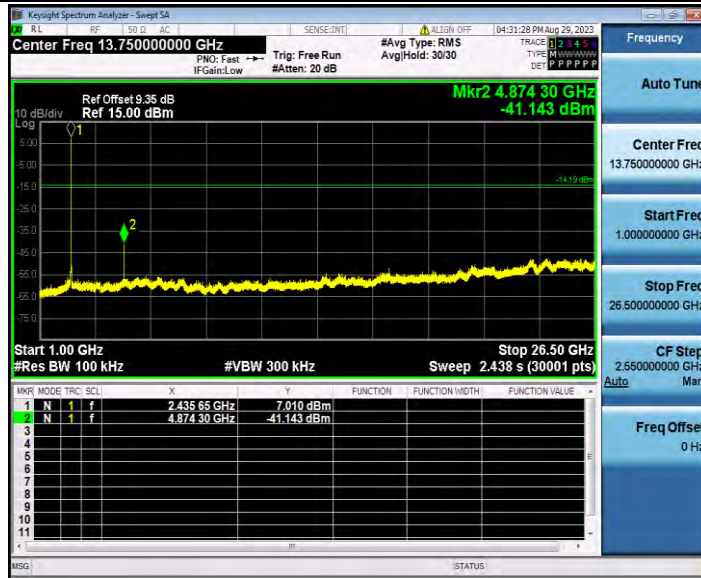
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



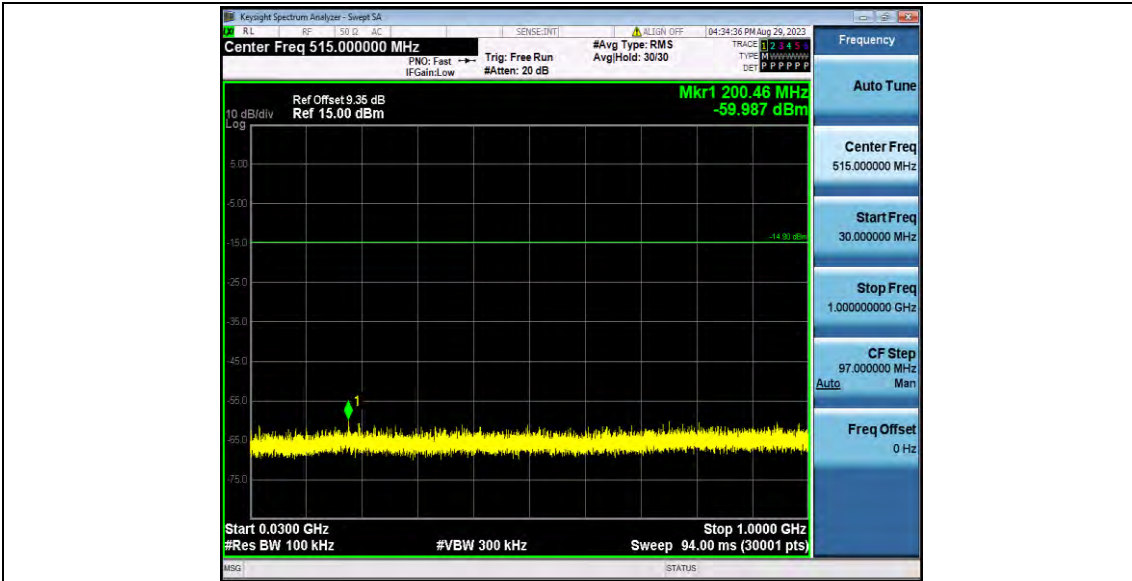
11B_Ant1_2437_30~1000



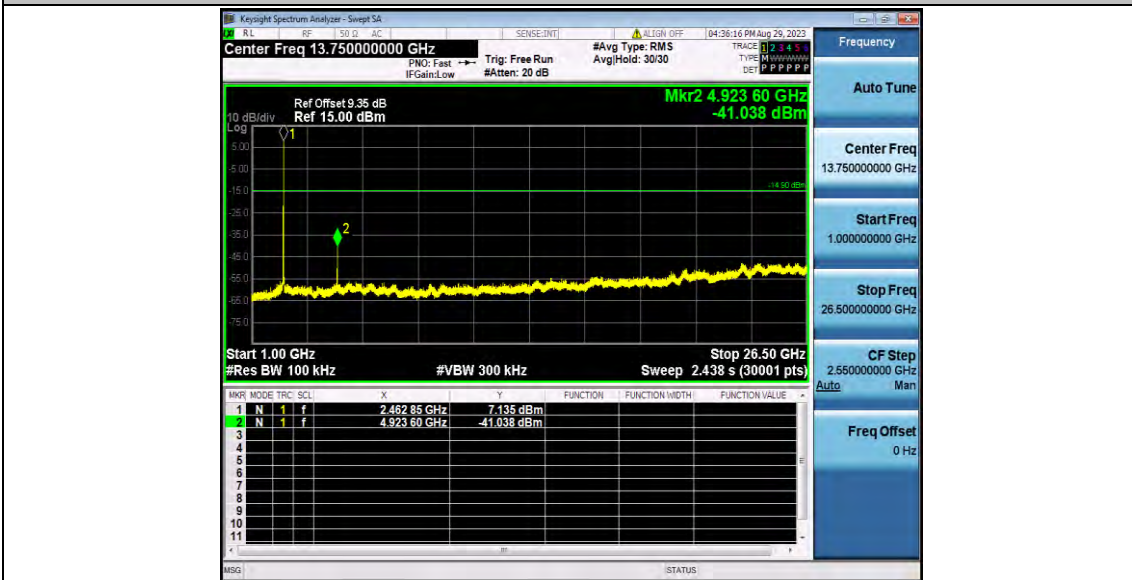
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



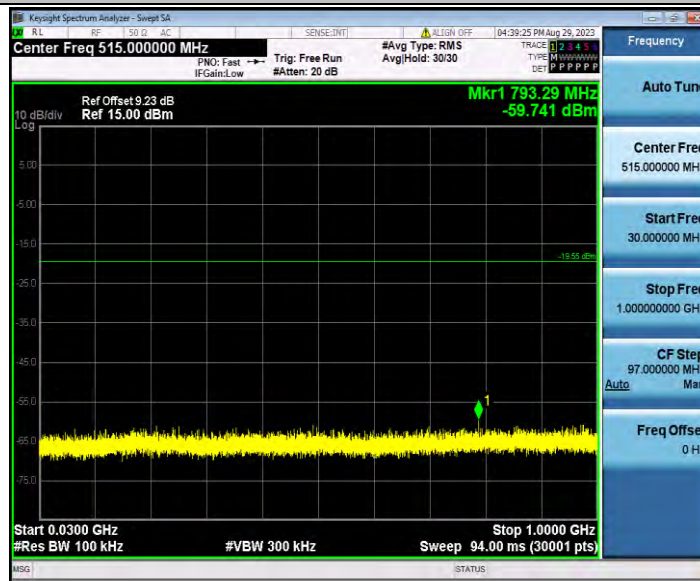
11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



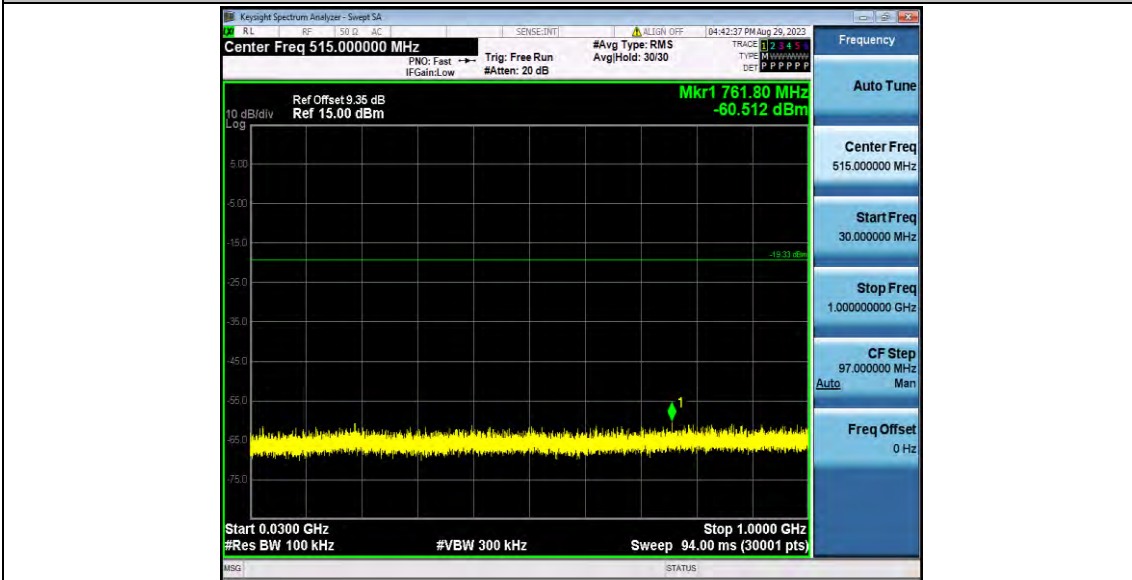
11G_Ant1_2412_30~1000



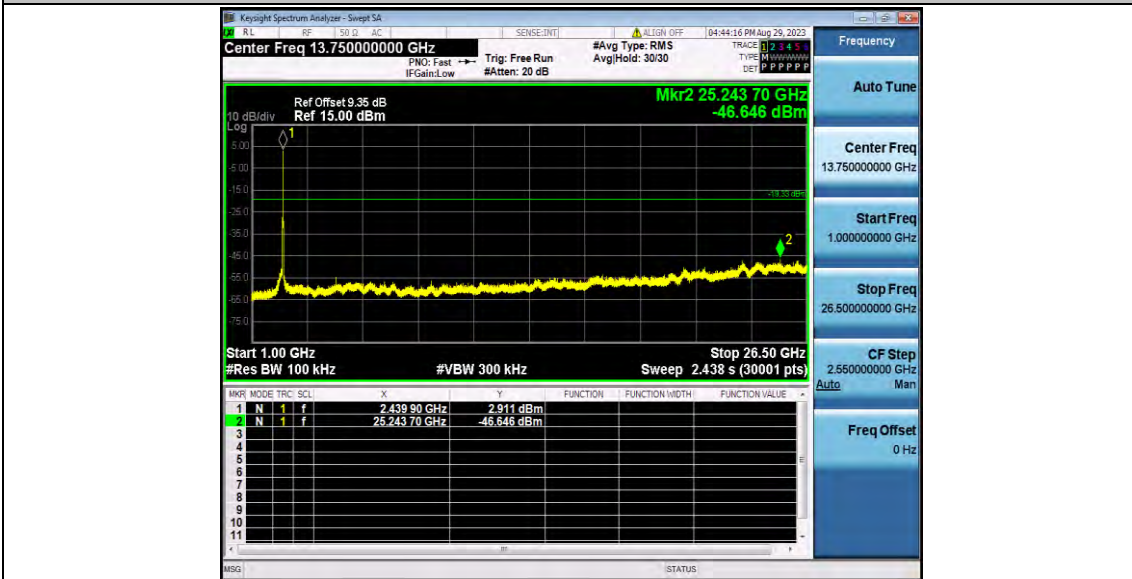
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



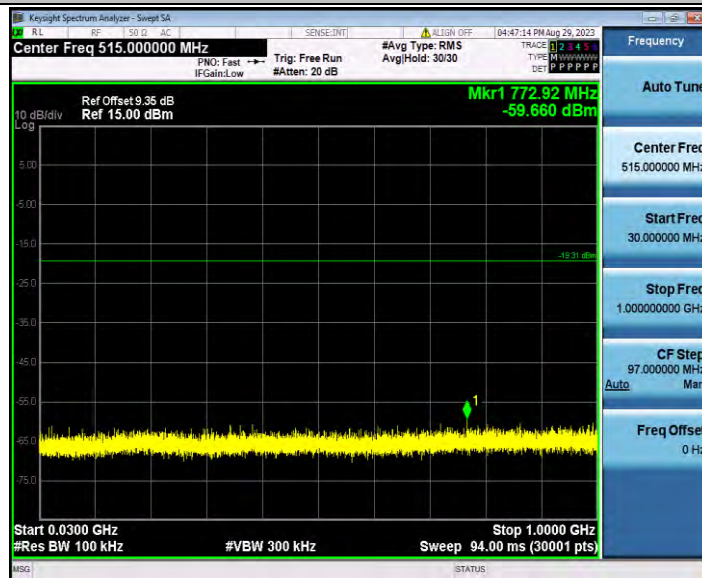
11G_Ant1_2437_30~1000



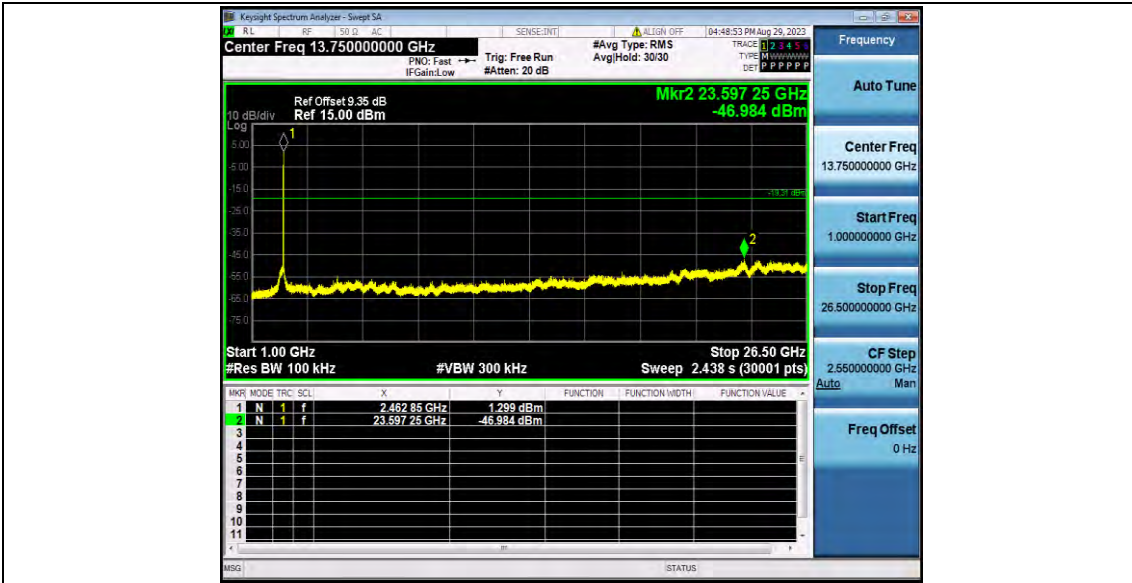
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



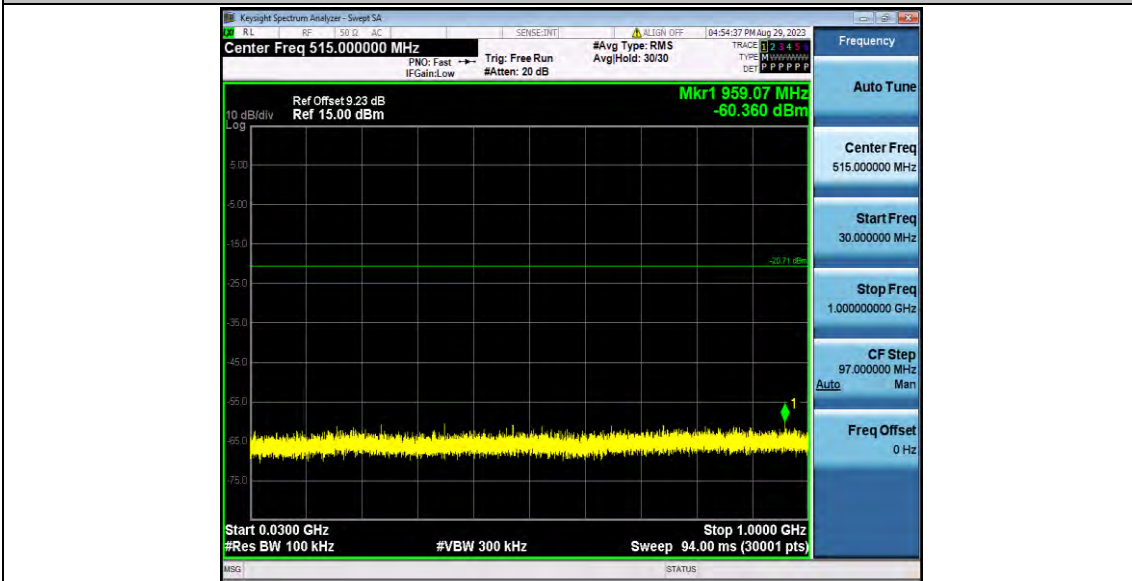
11G_Ant1_2462_30~1000



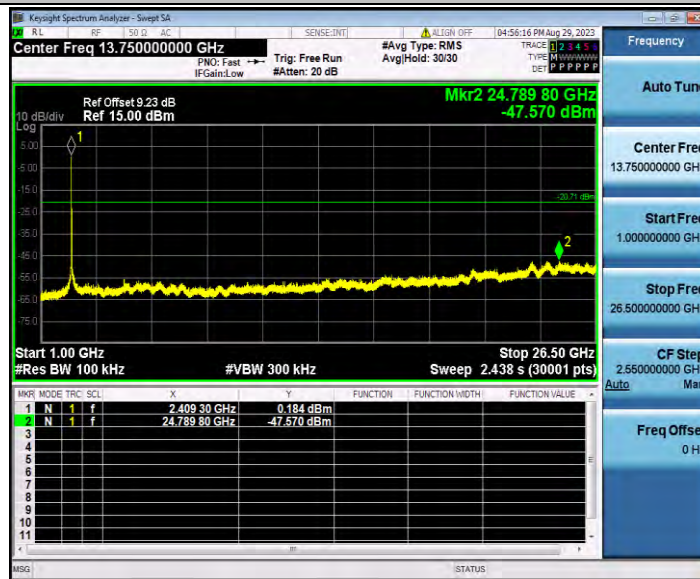
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



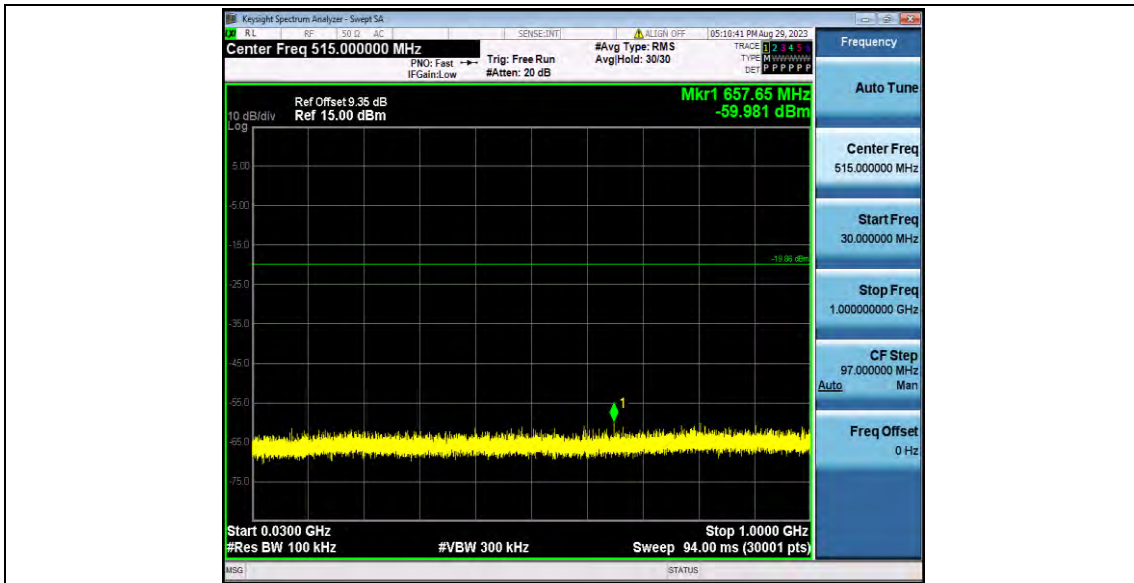
11N20SISO_Ant1_2412_30~1000



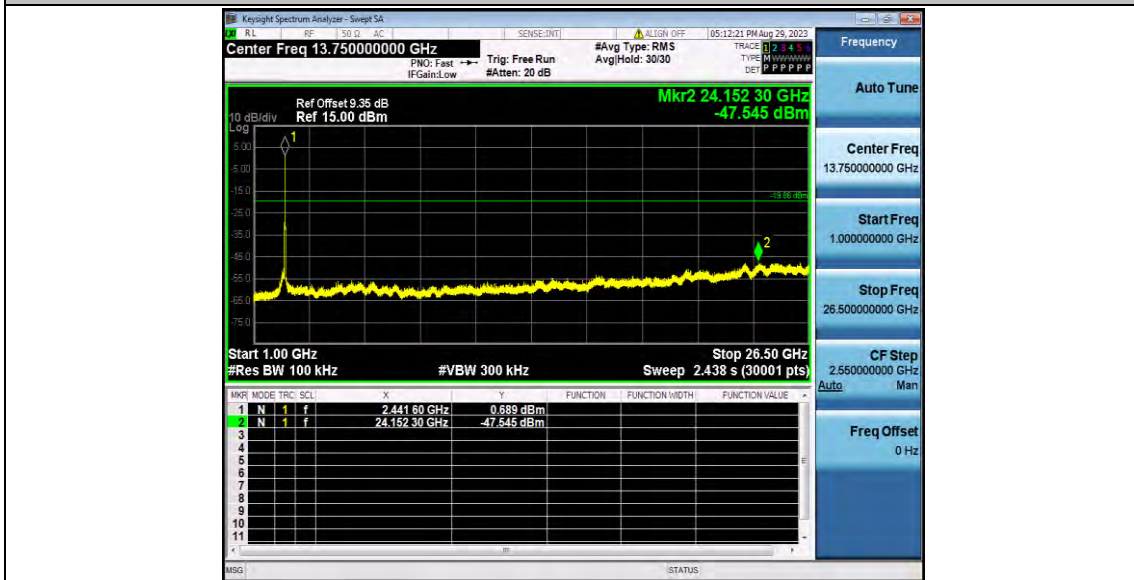
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



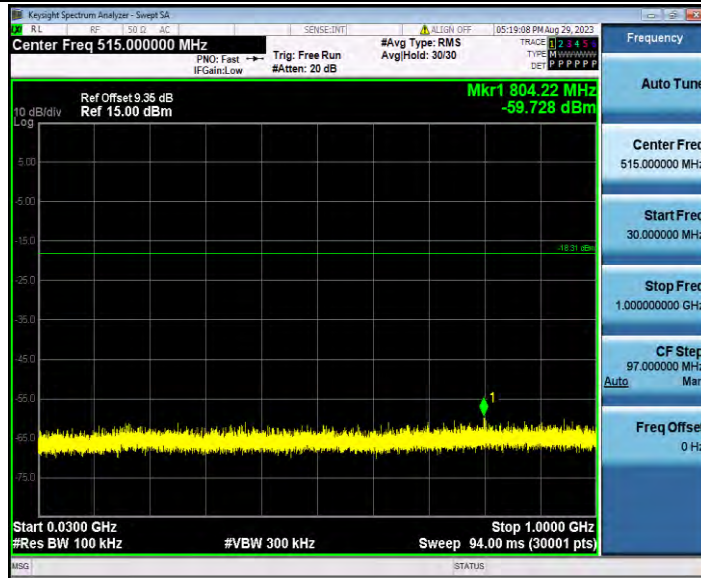
11N20SISO_Ant1_2437_30~1000



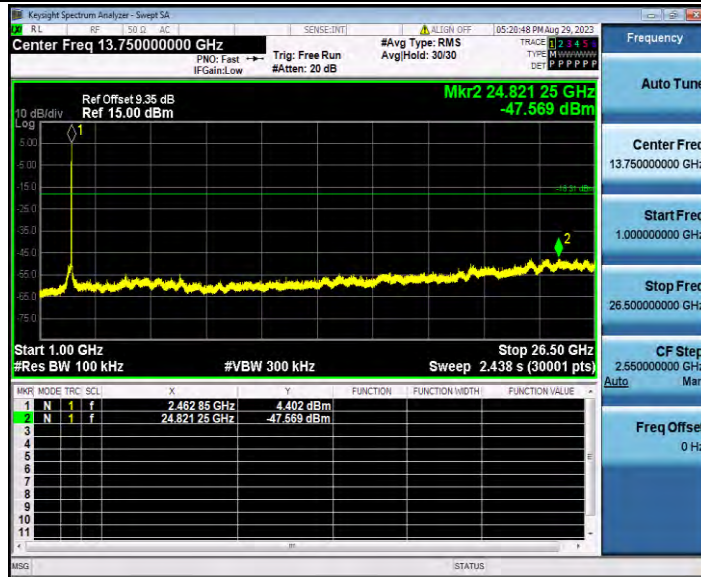
11N20SISO_Ant1_2437_1000~26500



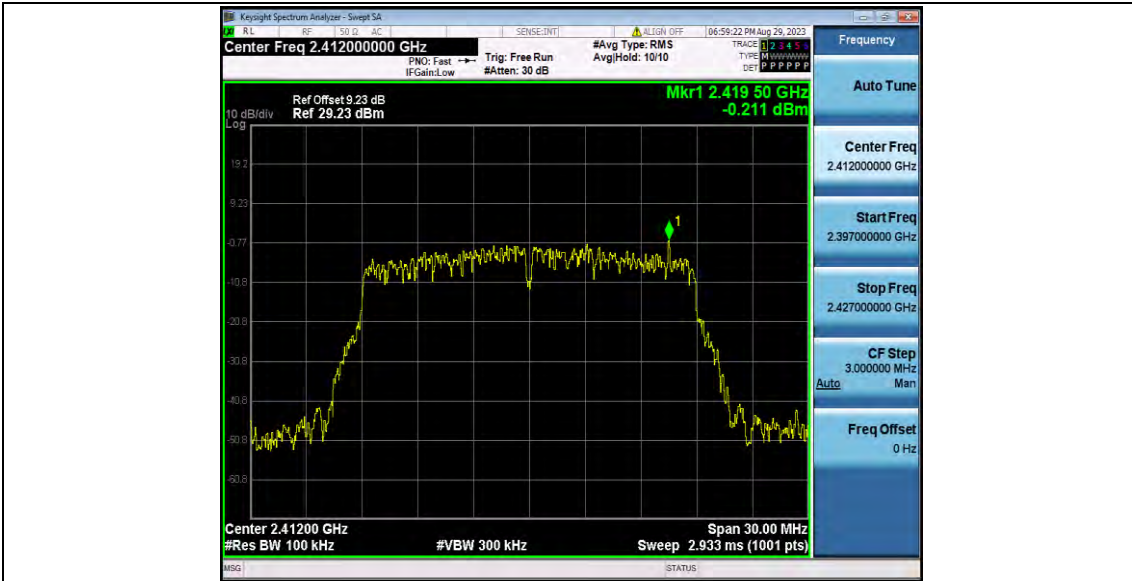
11N20SISO_Ant1_2462_0~Reference



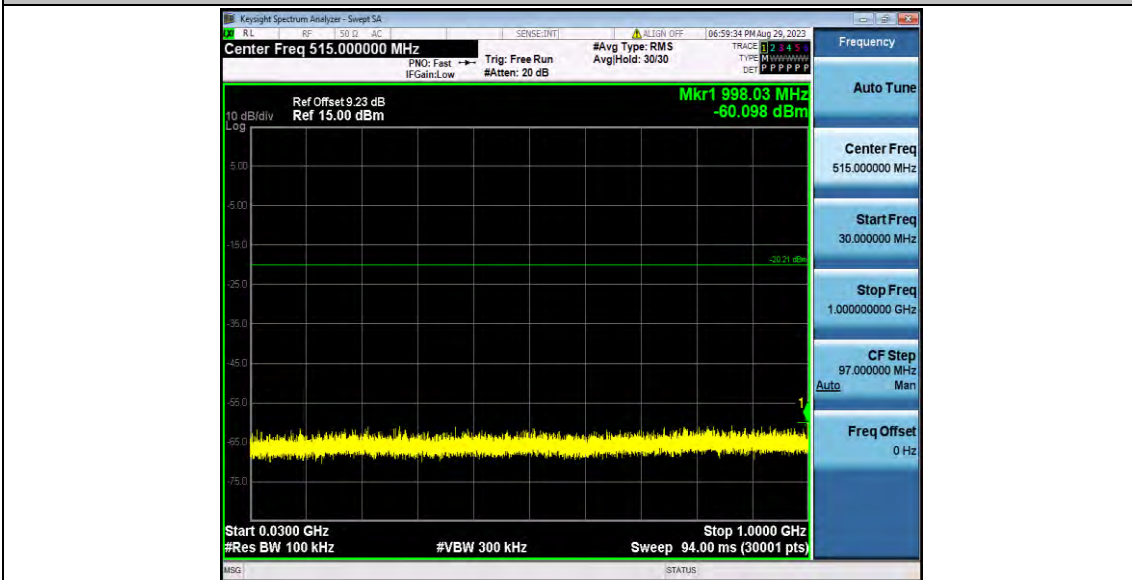
11N20SISO_Ant1_2462_30~1000



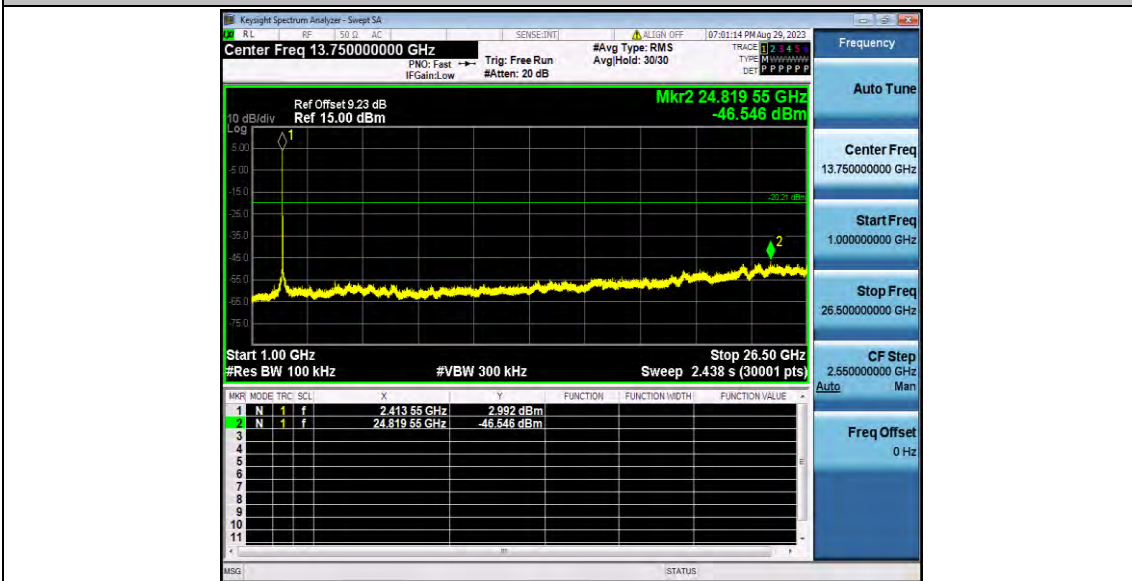
11N20SISO_Ant1_2462_1000~26500



11AX20SISO_Ant1_2412_0~Reference



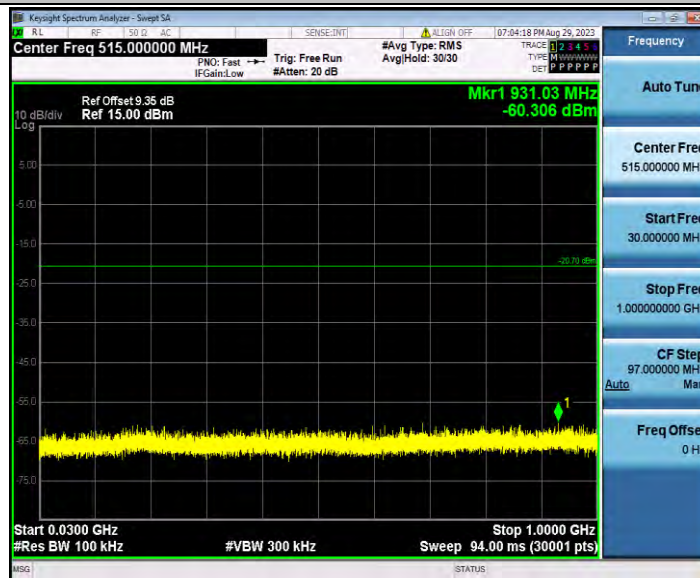
11AX20SISO_Ant1_2412_30~1000



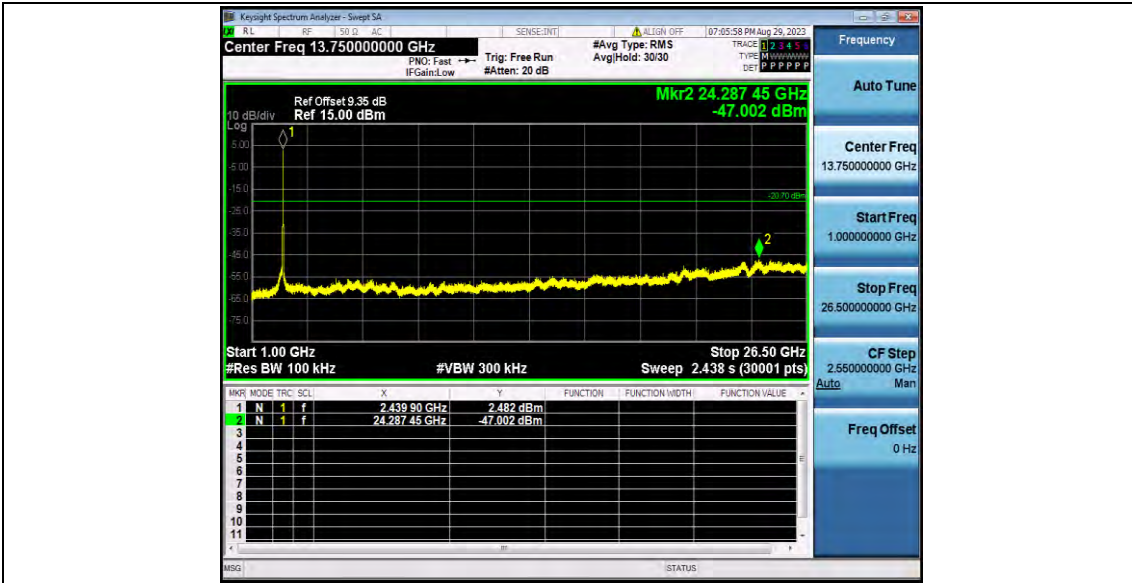
11AX20SISO_Ant1_2412_1000~26500



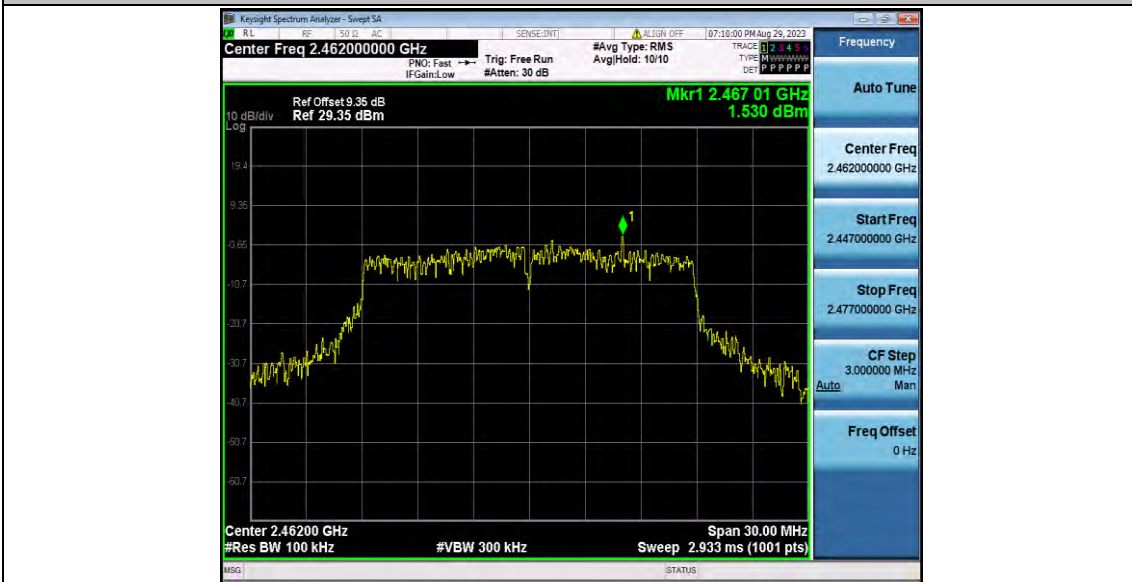
11AX20SISO_Ant1_2437_0~Reference



11AX20SISO_Ant1_2437_30~1000



11X20SISO_Ant1_2437_1000~26500



11X20SISO_Ant1_2462_0~Reference

