

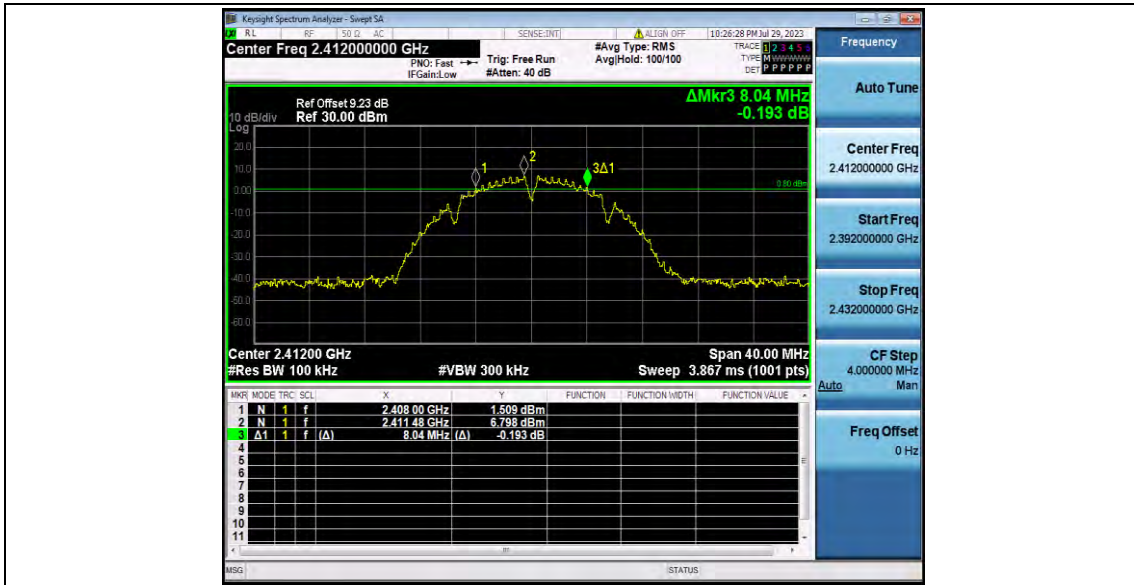
Case No. : <u>GTS20230704026-1-22</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.7.29</u> Test Engineer: <u>NA</u>

Appendix C.1: DTS Bandwidth

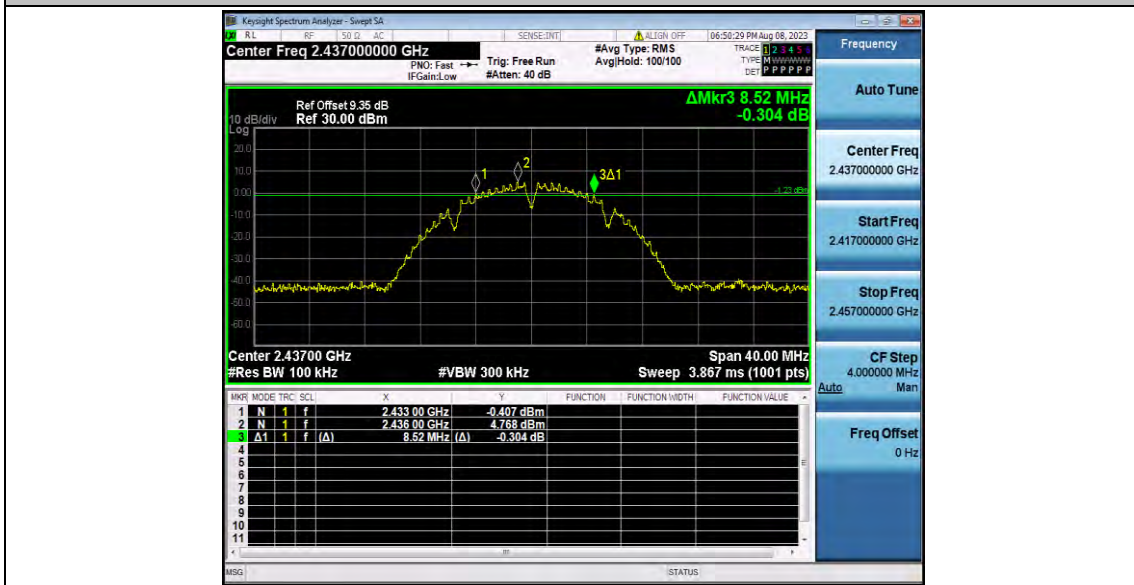
Test Result

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	8.520	2433.000	2441.520	0.5	PASS
		2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant1	2412	15.400	2404.440	2419.840	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	15.360	2404.480	2419.840	0.5	PASS
		2437	15.920	2429.200	2445.120	0.5	PASS
		2462	15.960	2453.880	2469.840	0.5	PASS
11AX20SISO	Ant1	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	15.920	2429.240	2445.160	0.5	PASS
		2462	14.560	2455.320	2469.880	0.5	PASS

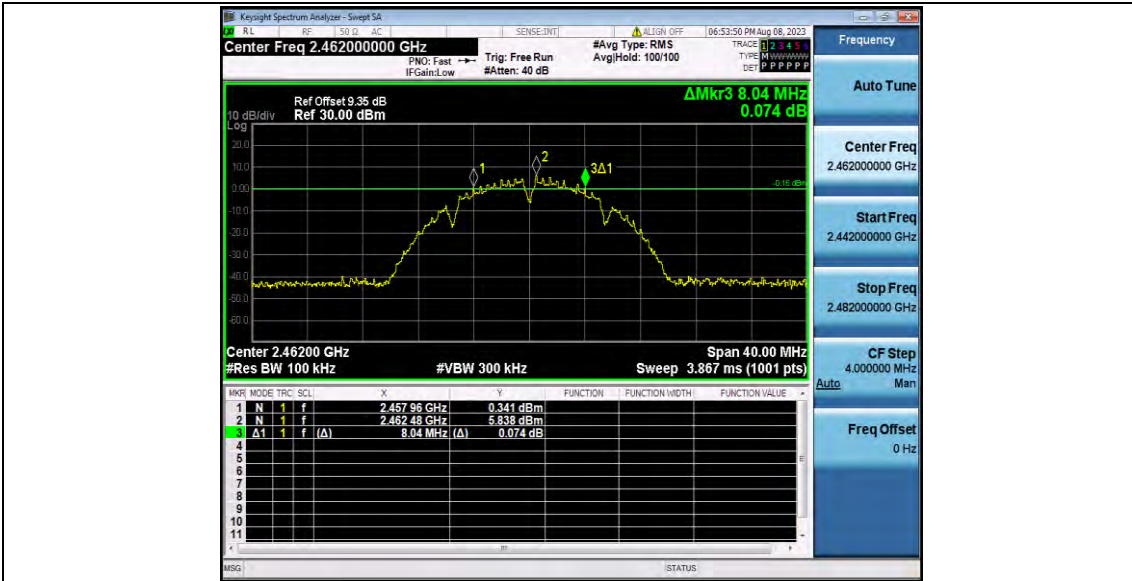
Test Graphs



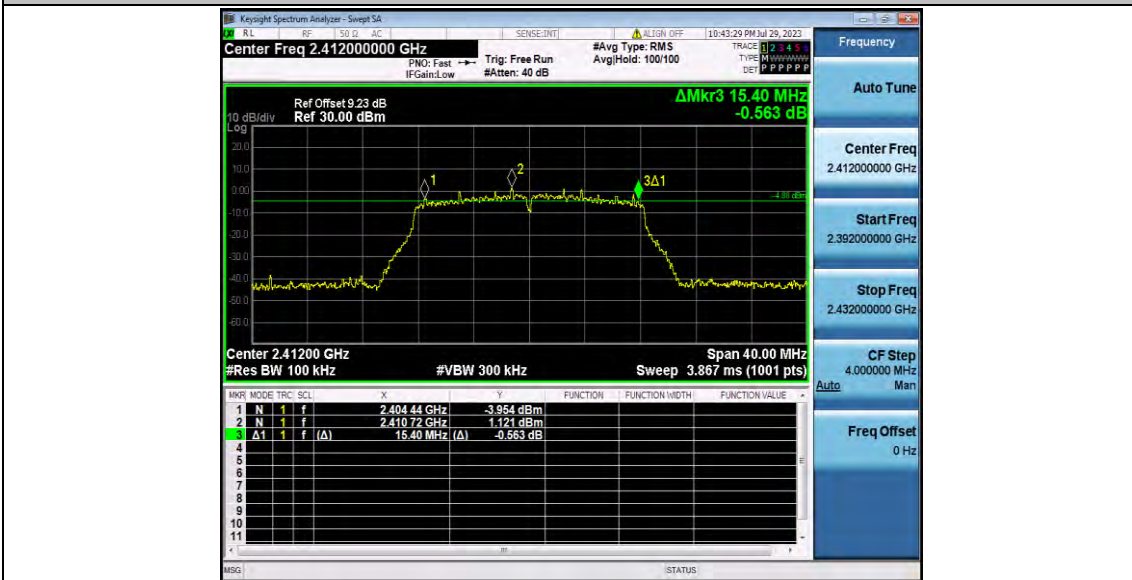
11B_Ant1_2412



11B_Ant1_2437



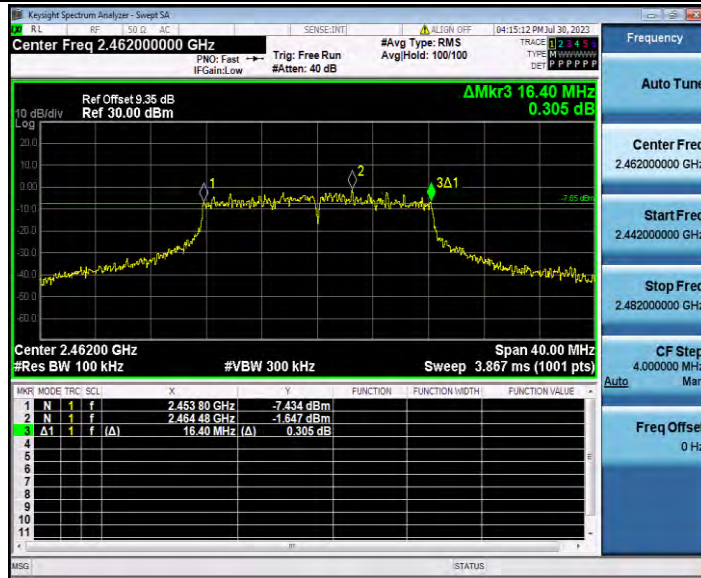
11B_Ant1_2462



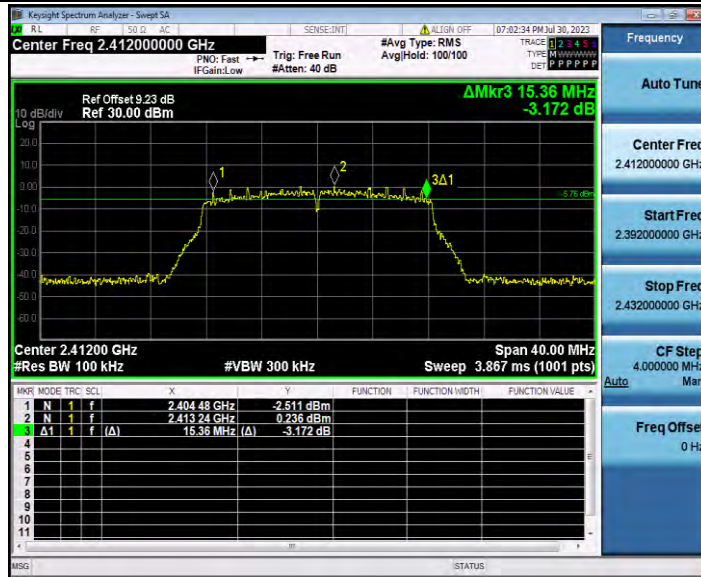
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



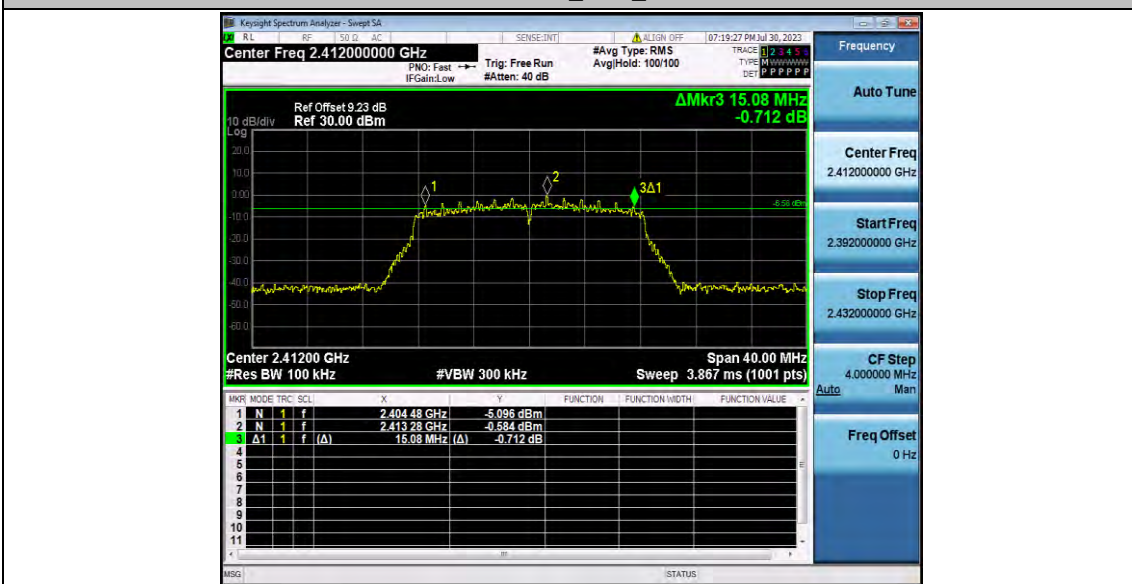
11N20SISO_Ant1_2412



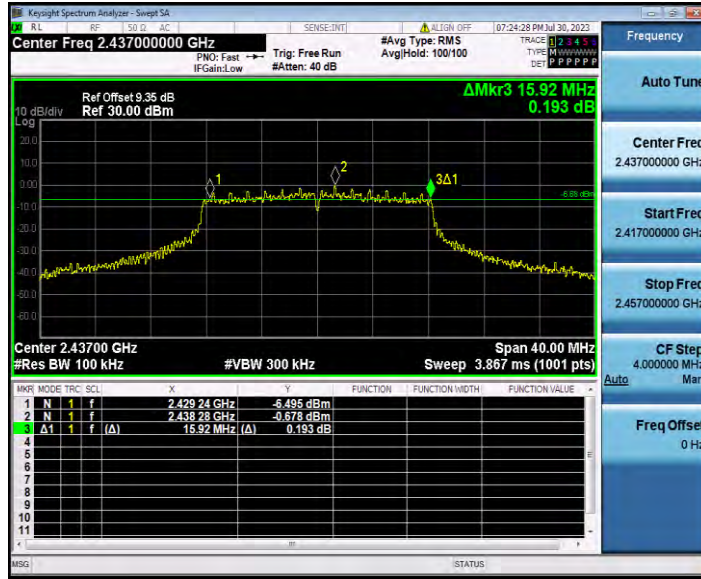
11N20SISO_Ant1_2437



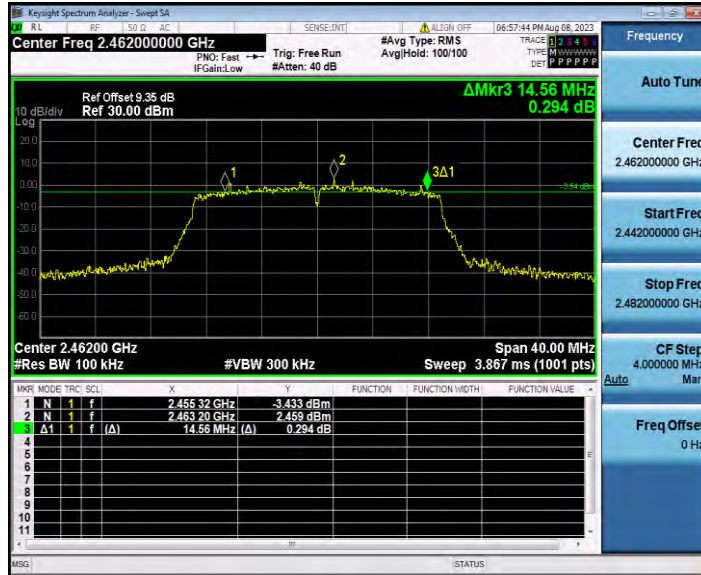
11N20SISO_Ant1_2462



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462

Appendix C.2: Occupied Channel Bandwidth

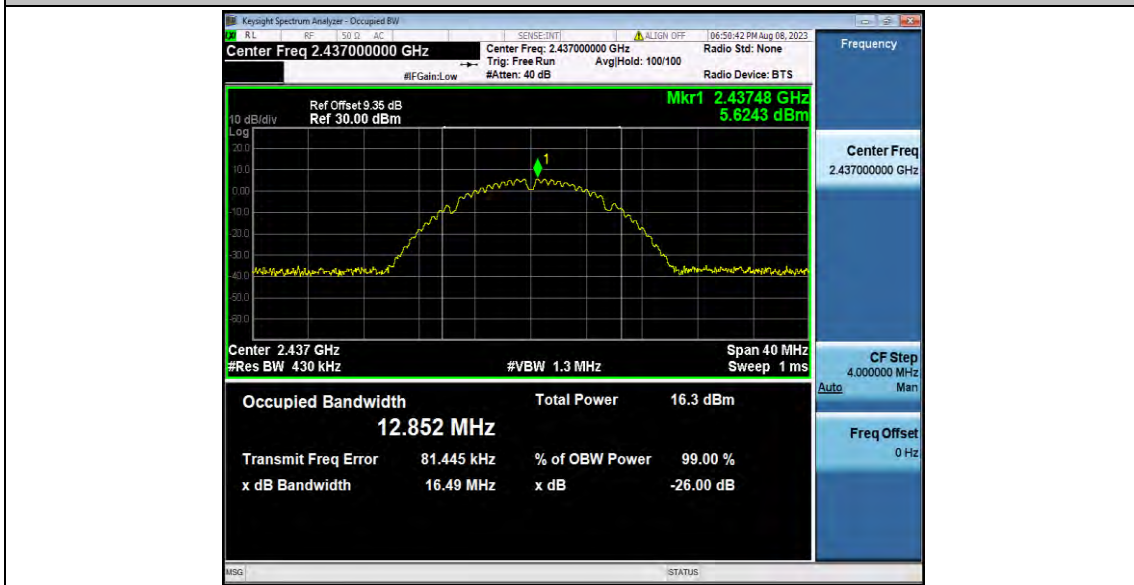
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.505	2405.816	2418.321	---	---
		2437	12.852	2430.655	2443.507	---	---
		2462	12.837	2455.621	2468.458	---	---
11G	Ant1	2412	16.524	2403.797	2420.321	---	---
		2437	20.360	2426.347	2446.707	---	---
		2462	17.131	2453.389	2470.520	---	---
11N20SISO	Ant1	2412	16.561	2403.767	2420.328	---	---
		2437	17.358	2428.347	2445.705	---	---
		2462	17.264	2453.308	2470.572	---	---
11AX20SISO	Ant1	2412	16.639	2403.707	2420.346	---	---
		2437	17.298	2428.316	2445.614	---	---
		2462	17.830	2453.103	2470.933	---	---

Test Graphs



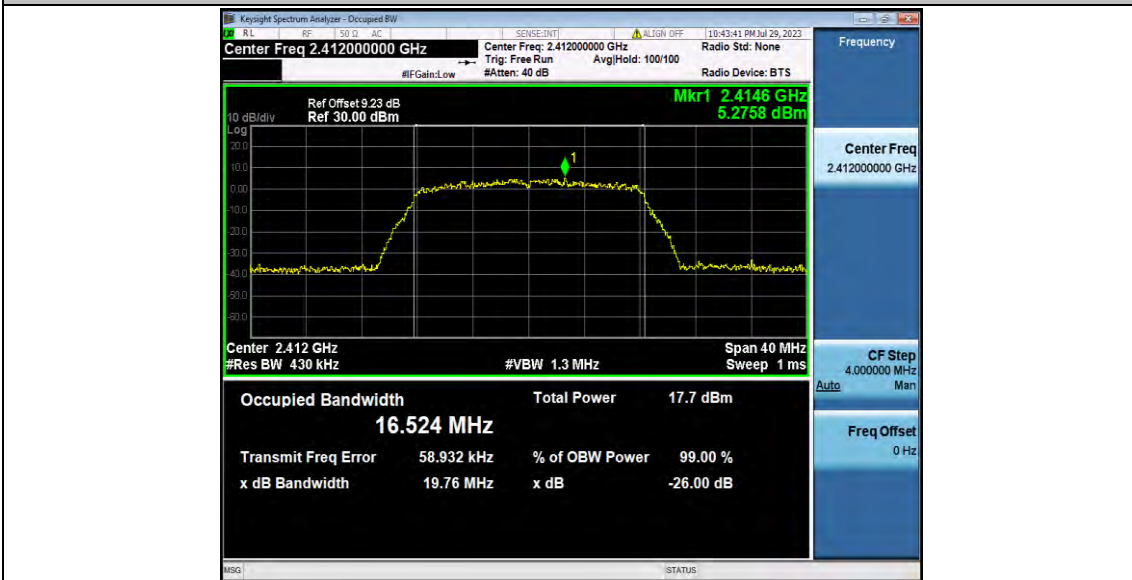
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



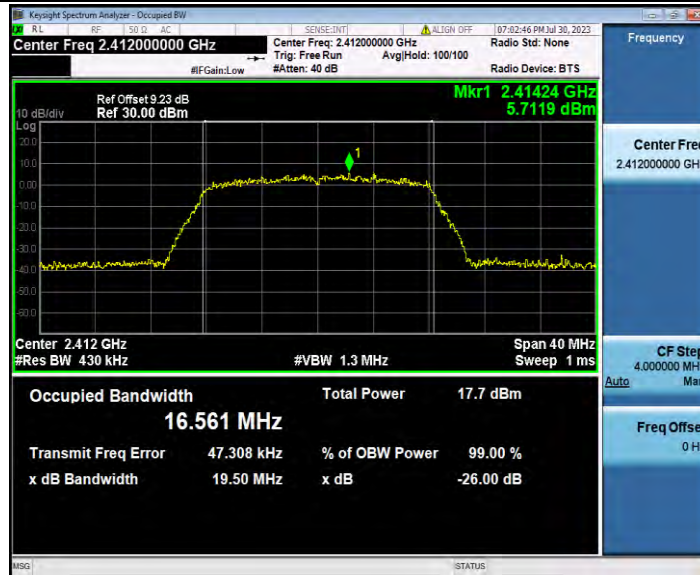
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



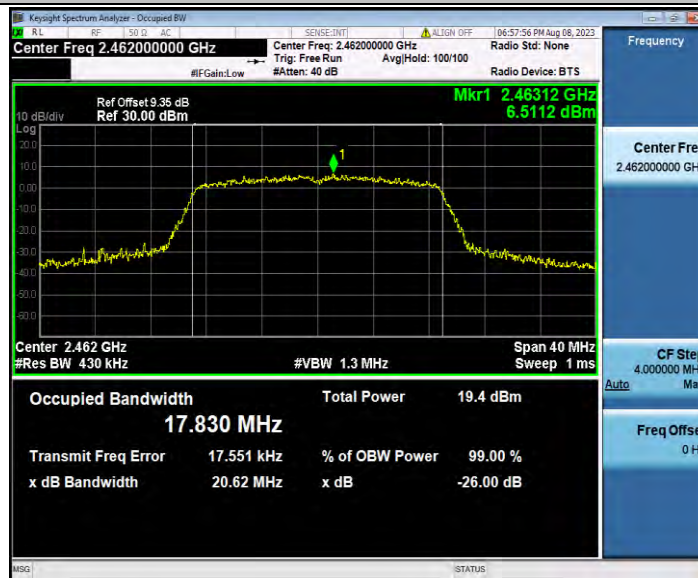
11N20SISO_Ant1_2462



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	18.71	≤30.00	PASS
		2437	16.32	≤30.00	PASS
		2462	16.82	≤30.00	PASS
11G	Ant1	2412	18.53	≤30.00	PASS
		2437	19.37	≤30.00	PASS
		2462	16.23	≤30.00	PASS
11N20SISO	Ant1	2412	18.57	≤30.00	PASS
		2437	18.79	≤30.00	PASS
		2462	19.01	≤30.00	PASS
11AX20SISO	Ant1	2412	16.50	≤30.00	PASS
		2437	16.75	≤30.00	PASS
		2462	20.63	≤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	-1.87	≤8.00	PASS
		2437	-9.04	≤8.00	PASS
		2462	-8.5	≤8.00	PASS
11G	Ant1	2412	-14.36	≤8.00	PASS
		2437	-12.73	≤8.00	PASS
		2462	-17.87	≤8.00	PASS
11N20SISO	Ant1	2412	-14.29	≤8.00	PASS
		2437	-13.59	≤8.00	PASS
		2462	-13.84	≤8.00	PASS
11AX20SISO	Ant1	2412	-16.61	≤8.00	PASS
		2437	-15.64	≤8.00	PASS
		2462	-10.86	≤8.00	PASS

Test Graphs



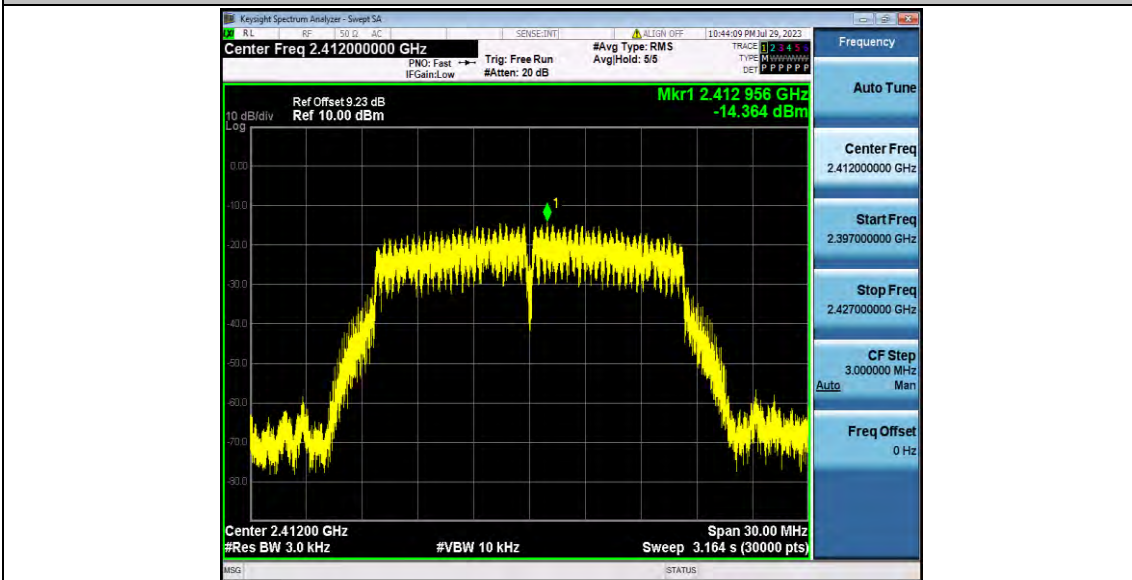
11B_Ant1_2412



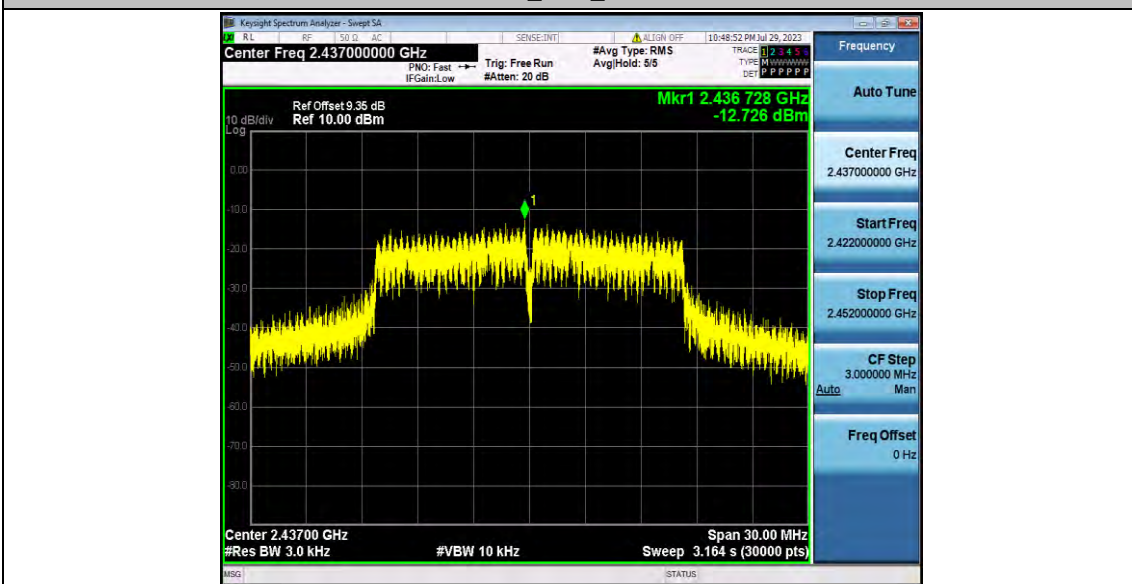
11B_Ant1_2437



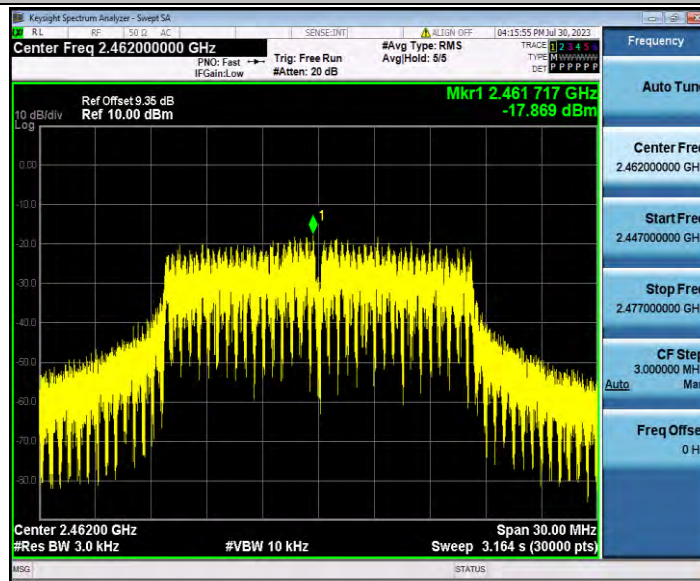
11B_Ant1_2462



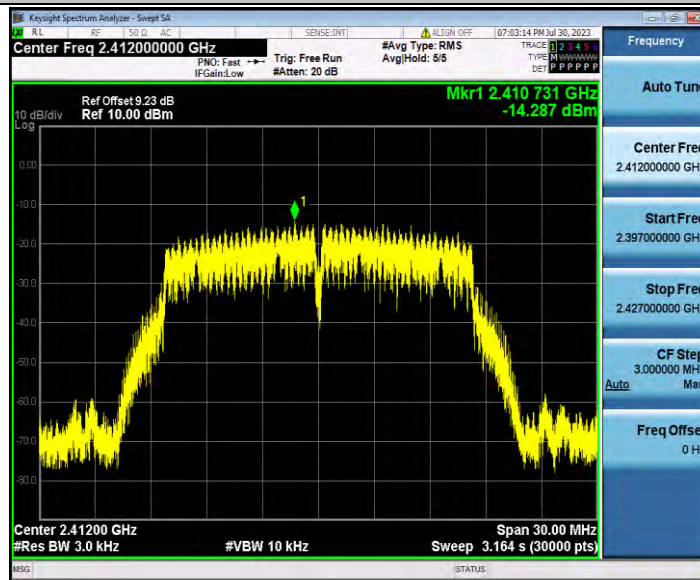
11G_Ant1_2412



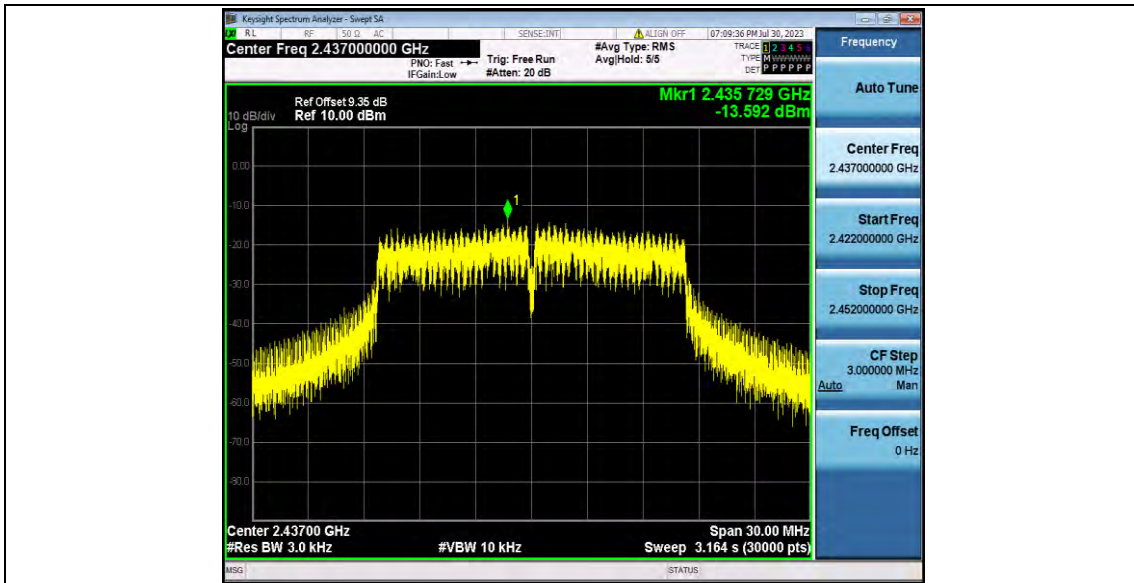
11G_Ant1_2437



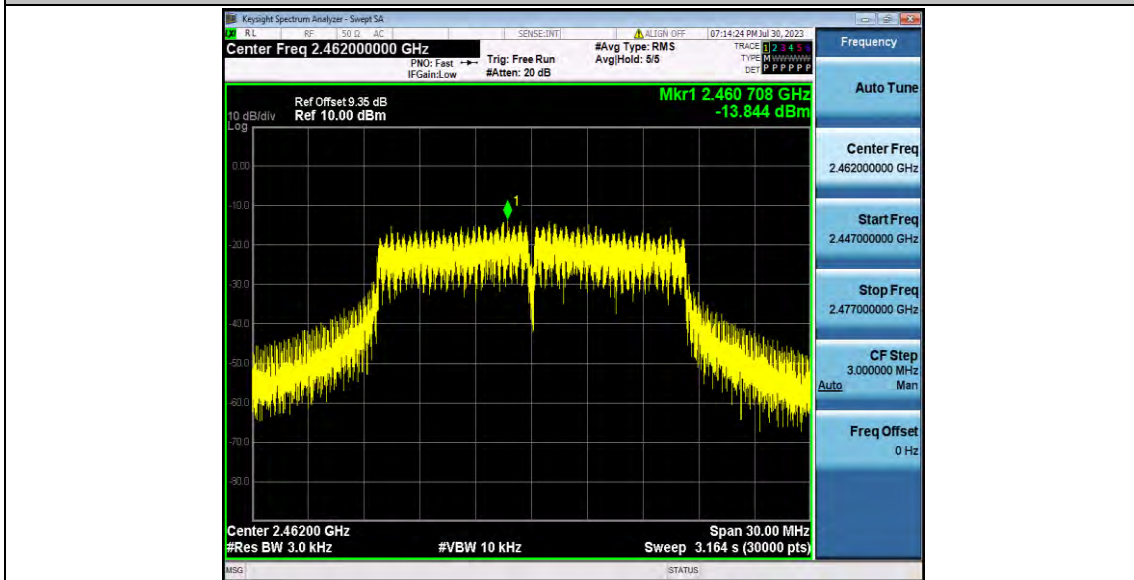
11G_Ant1_2462



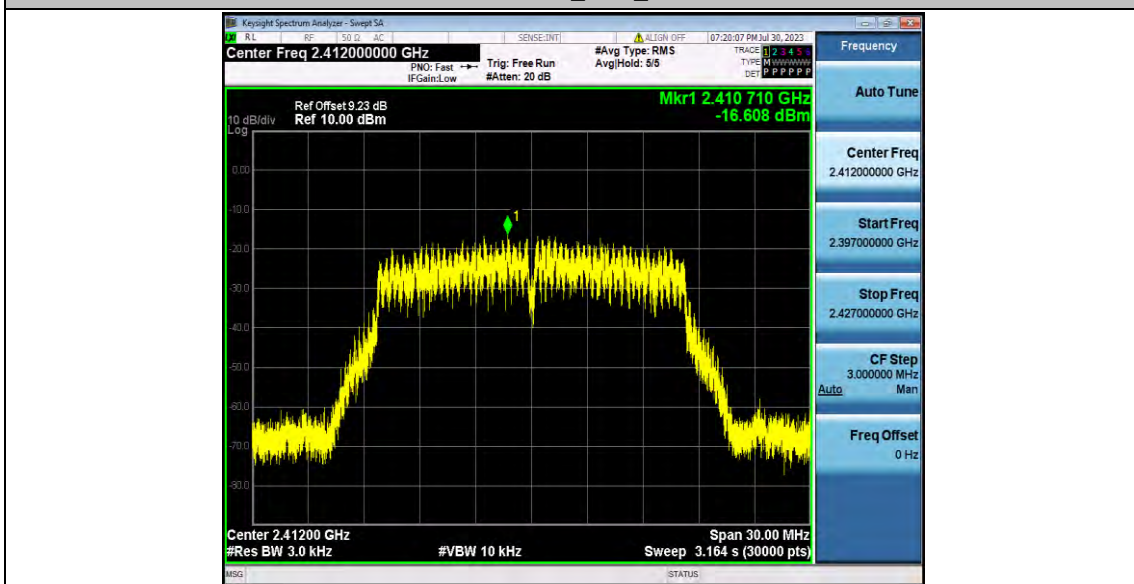
11N20SISO_Ant1_2412



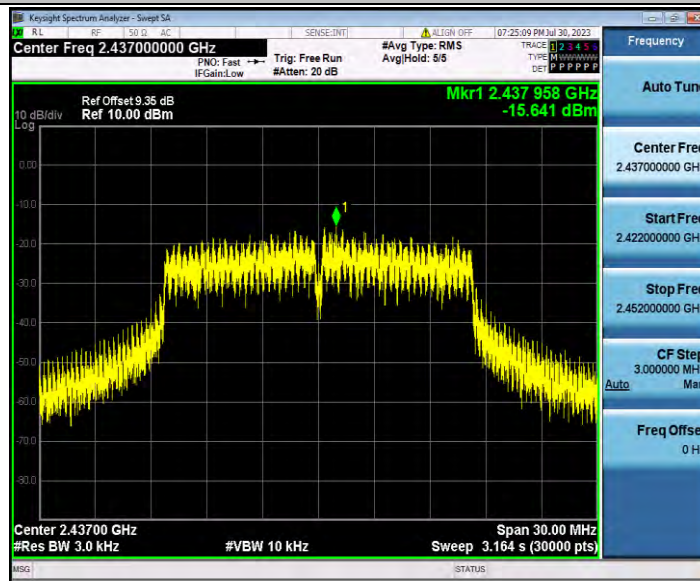
11N20SISO_Ant1_2437



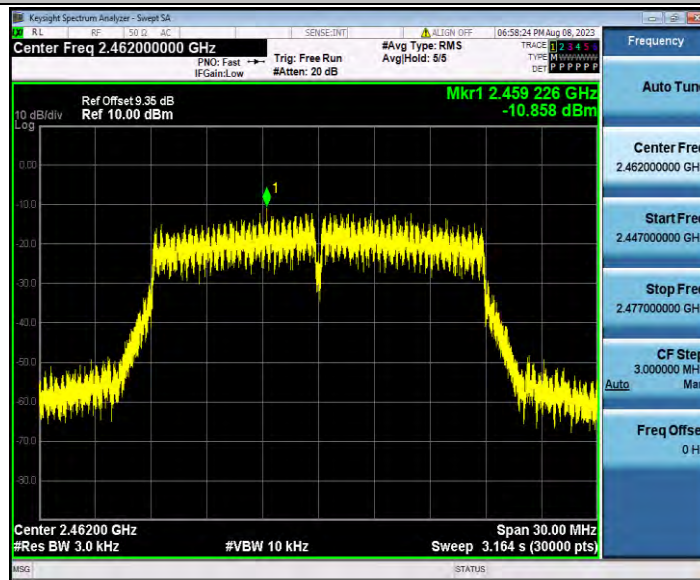
11N20SISO_Ant1_2462



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



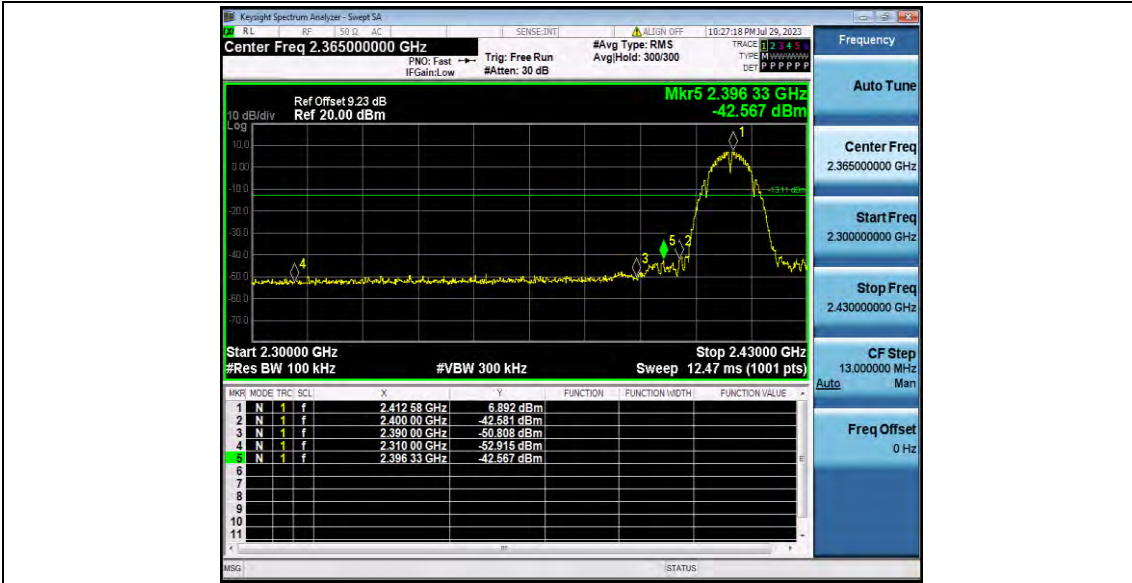
11AX20SISO_Ant1_2462

Appendix C.5: Band edge measurements

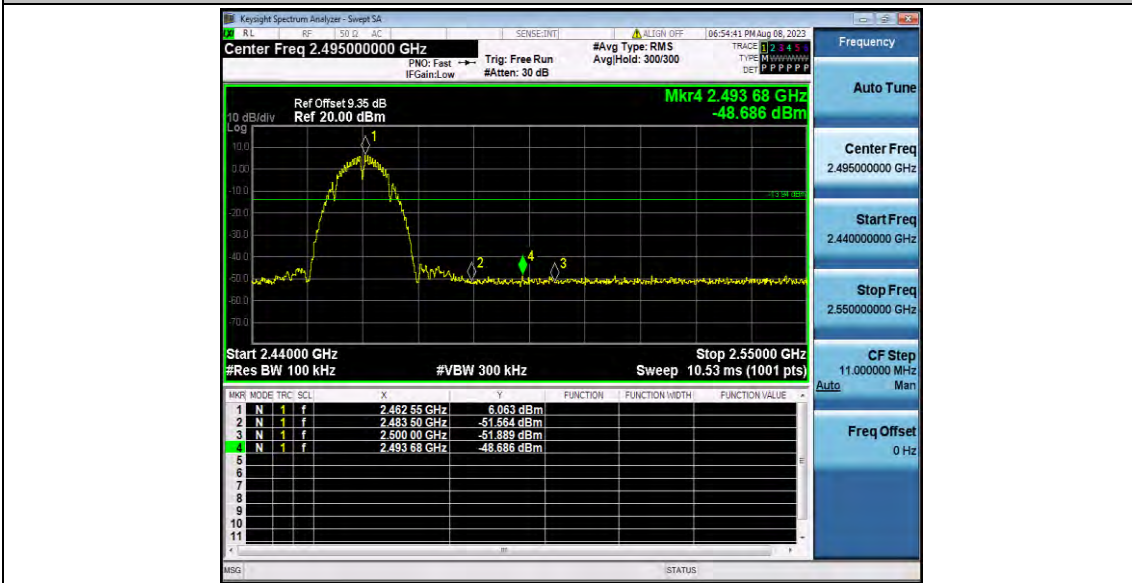
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.89	-42.57	≤-13.11	PASS
		High	2462	6.06	-48.69	≤-13.94	PASS
11G	Ant1	Low	2412	1.50	-44.26	≤-18.5	PASS
		High	2462	-0.41	-47.83	≤-20.41	PASS
11N20SISO	Ant1	Low	2412	1.72	-44.12	≤-18.28	PASS
		High	2462	2.22	-48.26	≤-17.78	PASS
11AX20SISO	Ant1	Low	2412	-0.66	-43.13	≤-20.66	PASS
		High	2462	3.59	-45.69	≤-16.41	PASS

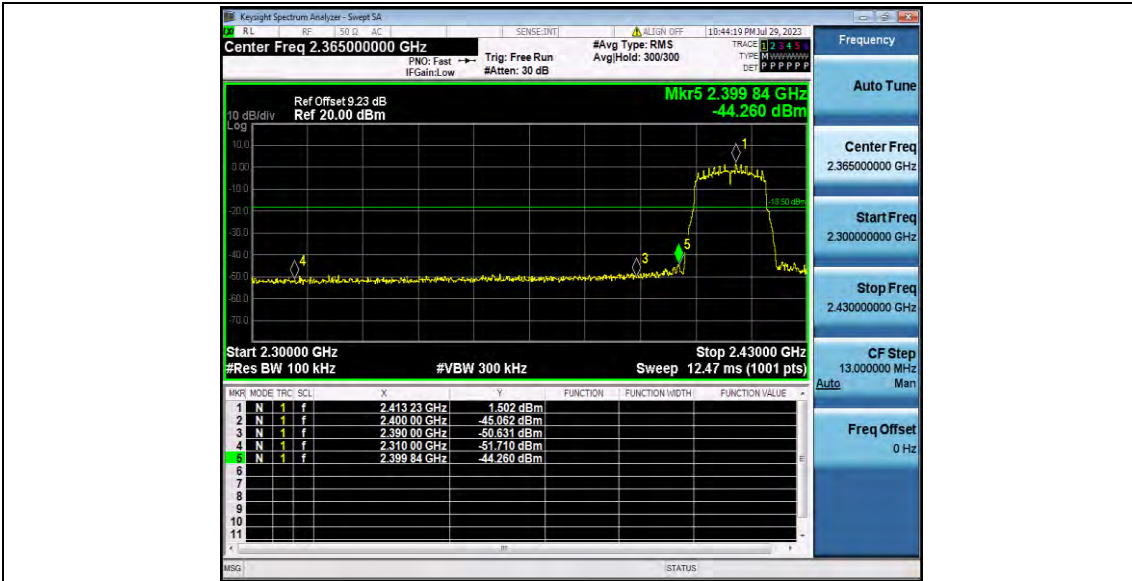
Test Graphs



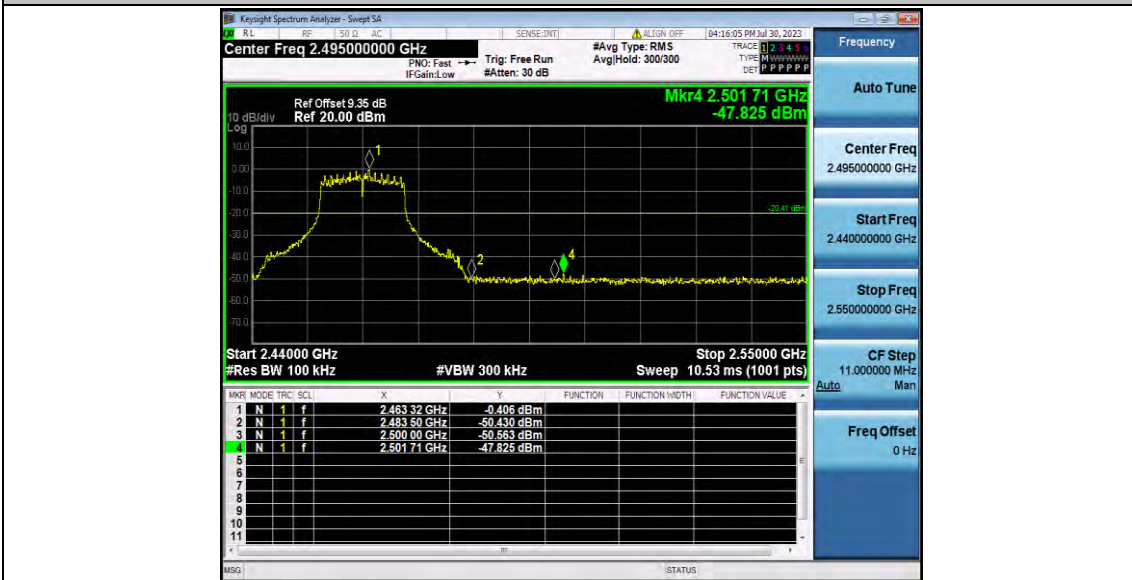
11B_Ant1_Low_2412



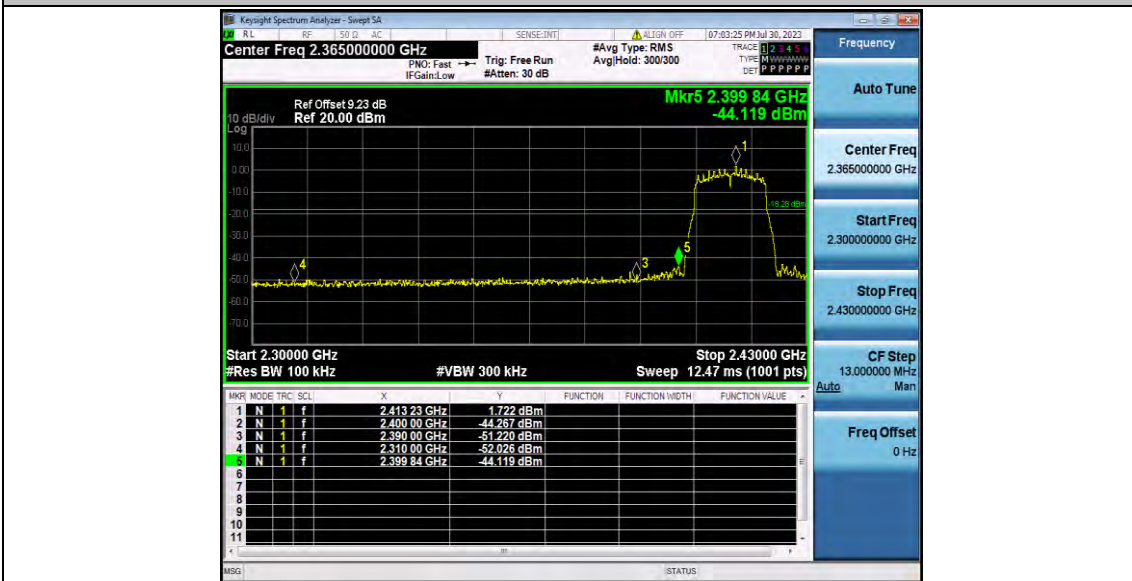
11B_Ant1_High_2462



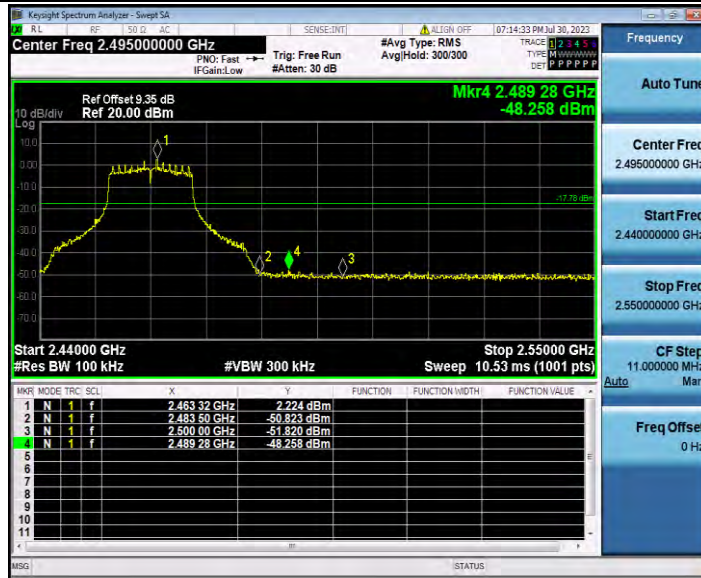
11G_Ant1_Low_2412



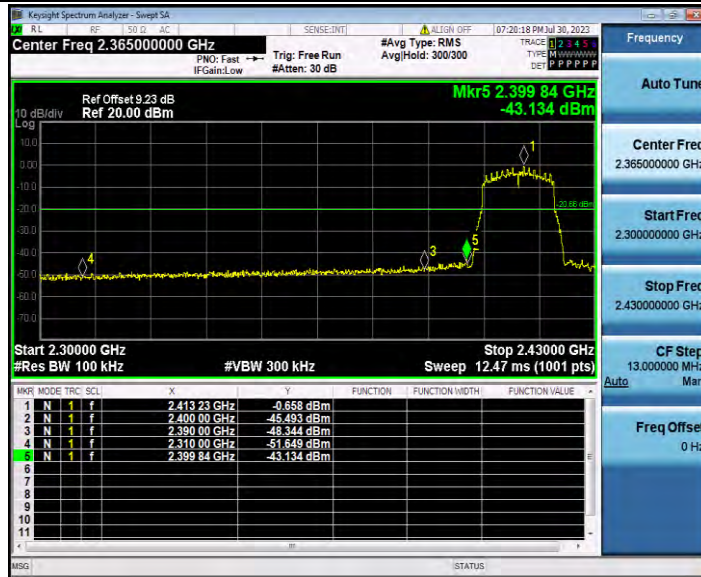
11G_Ant1_High_2462



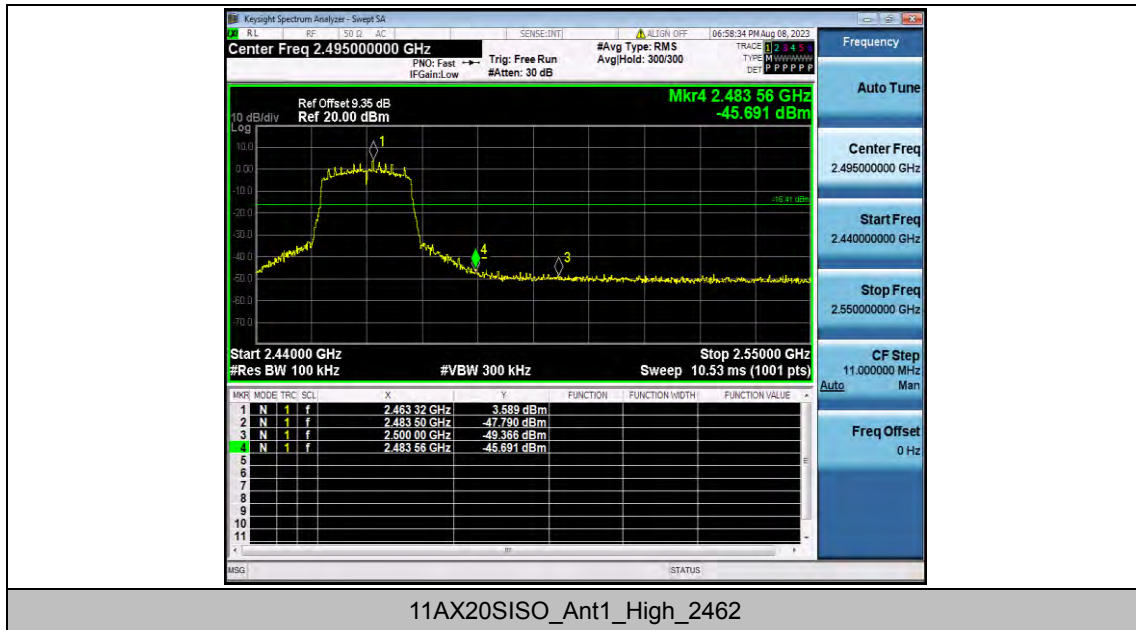
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462

Appendix C.6: Conducted Spurious Emission

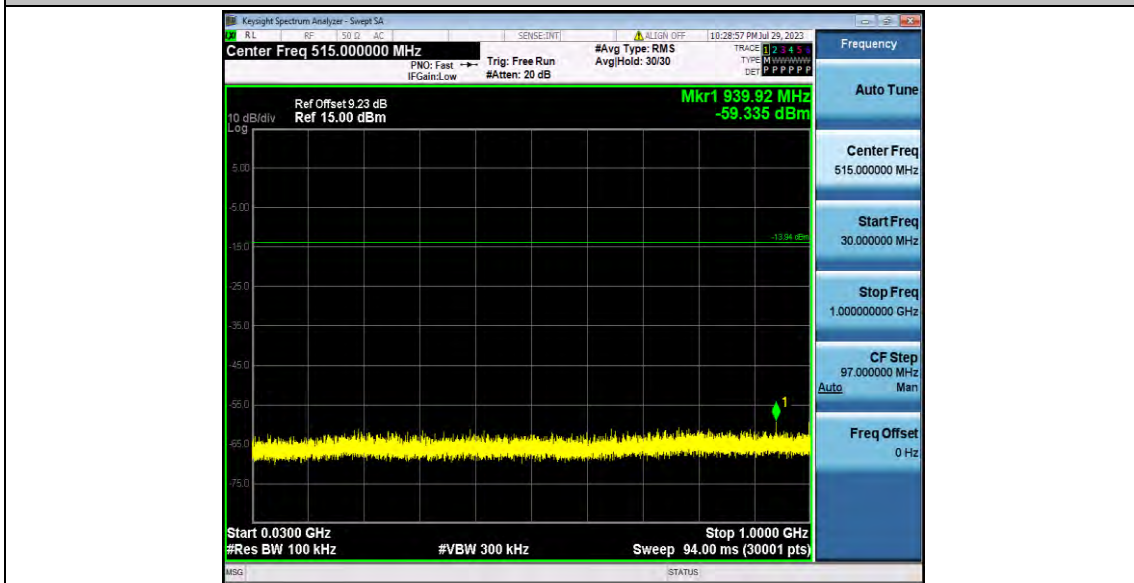
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.06	6.06	---	PASS
			30~1000	6.06	-59.34	≤-13.94	PASS
			1000~26500	6.06	-34.84	≤-13.94	PASS
		2437	Reference	3.73	3.73	---	PASS
			30~1000	3.73	-54.54	≤-16.27	PASS
			1000~26500	3.73	-47.37	≤-16.27	PASS
		2462	Reference	-1.39	-1.39	---	PASS
			30~1000	-1.39	-59.72	≤-21.39	PASS
			1000~26500	-1.39	-47.49	≤-21.39	PASS
11G	Ant1	2412	Reference	-1.71	-1.71	---	PASS
			30~1000	-1.71	-59.89	≤-21.71	PASS
			1000~26500	-1.71	-47.09	≤-21.71	PASS
		2437	Reference	0.57	0.57	---	PASS
			30~1000	0.57	-60.57	≤-19.43	PASS
			1000~26500	0.57	-47.1	≤-19.43	PASS
		2462	Reference	-3.71	-3.71	---	PASS
			30~1000	-3.71	-59.63	≤-23.71	PASS
			1000~26500	-3.71	-47.98	≤-23.71	PASS
11N20SISO	Ant1	2412	Reference	1.39	1.39	---	PASS
			30~1000	1.39	-59.46	≤-18.61	PASS
			1000~26500	1.39	-47.43	≤-18.61	PASS
		2437	Reference	0.10	0.10	---	PASS
			30~1000	0.10	-60.55	≤-19.9	PASS
			1000~26500	0.10	-47.63	≤-19.9	PASS
		2462	Reference	-1.42	-1.42	---	PASS
			30~1000	-1.42	-59.91	≤-21.42	PASS
			1000~26500	-1.42	-47.47	≤-21.42	PASS
11AX20SISO	Ant1	2412	Reference	-1.21	-1.21	---	PASS
			30~1000	-1.21	-60.91	≤-21.21	PASS
			1000~26500	-1.21	-47.87	≤-21.21	PASS
		2437	Reference	-2.43	-2.43	---	PASS
			30~1000	-2.43	-59.38	≤-22.43	PASS
			1000~26500	-2.43	-47.38	≤-22.43	PASS
		2462	Reference	-0.99	-0.99	---	PASS
			30~1000	-0.99	-56.27	≤-20.99	PASS
			1000~26500	-0.99	-47.05	≤-20.99	PASS

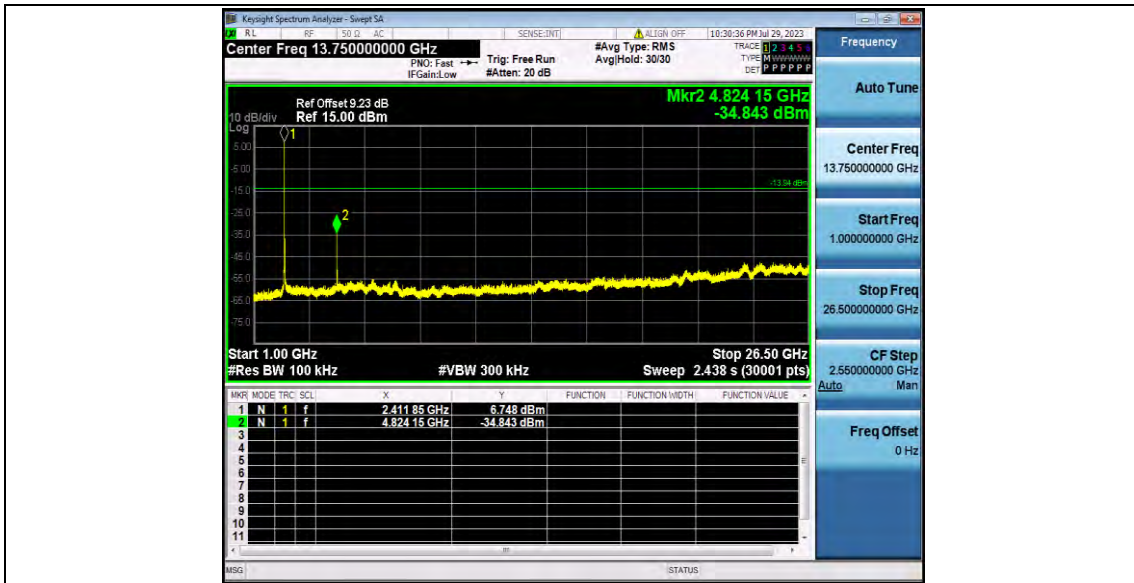
Test Graphs



11B_Ant1_2412_0~Reference



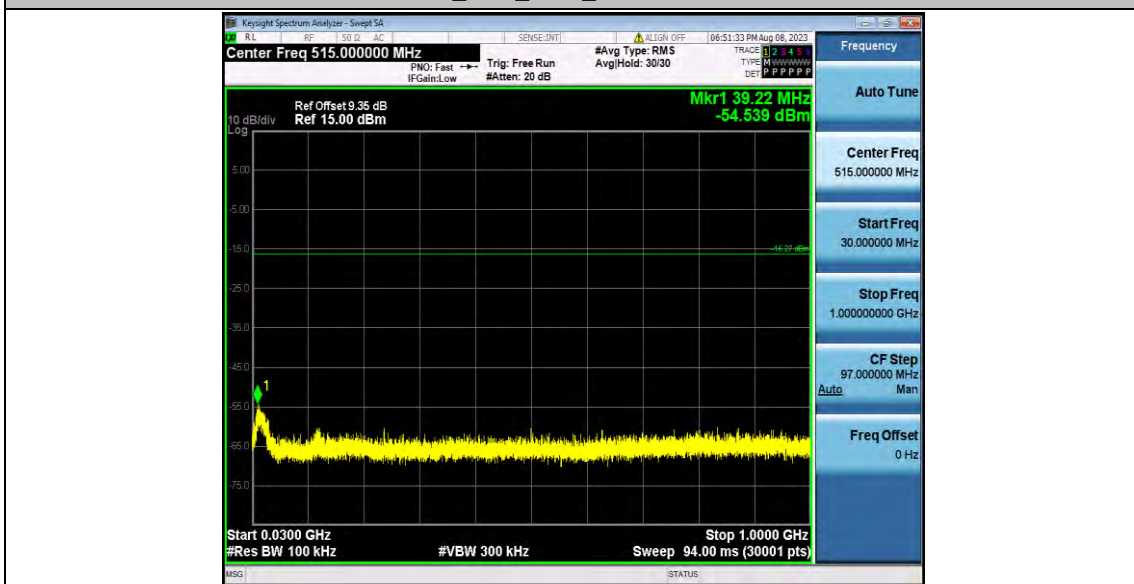
11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



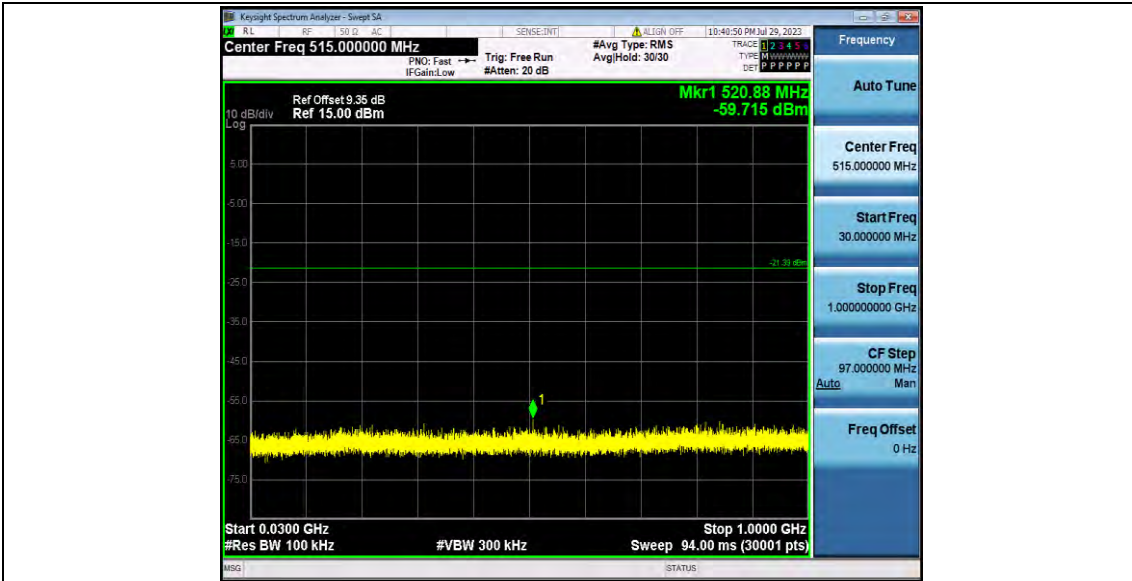
11B_Ant1_2437_30~1000



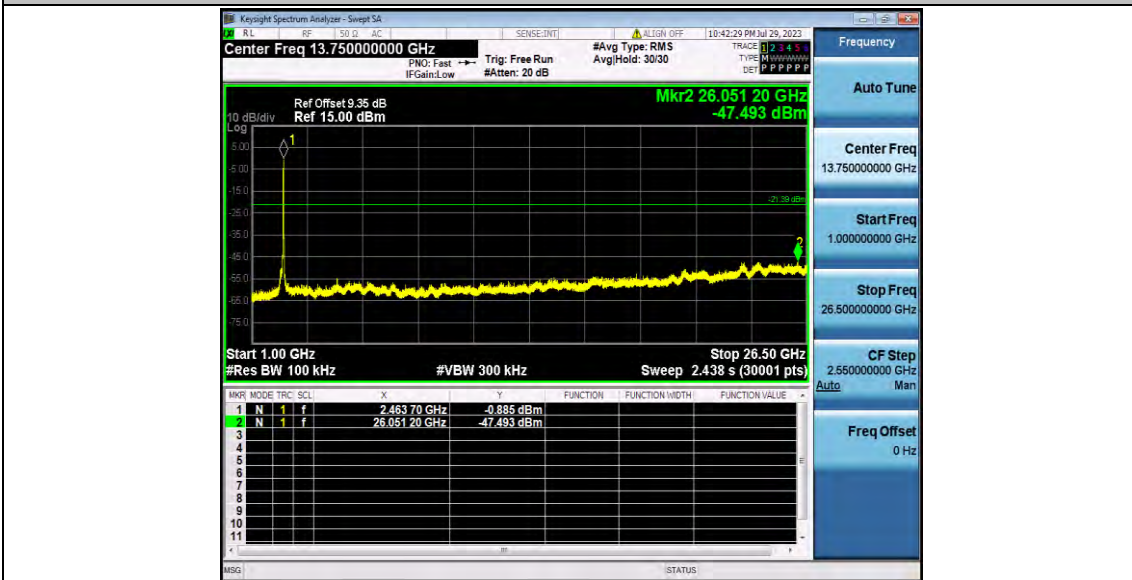
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



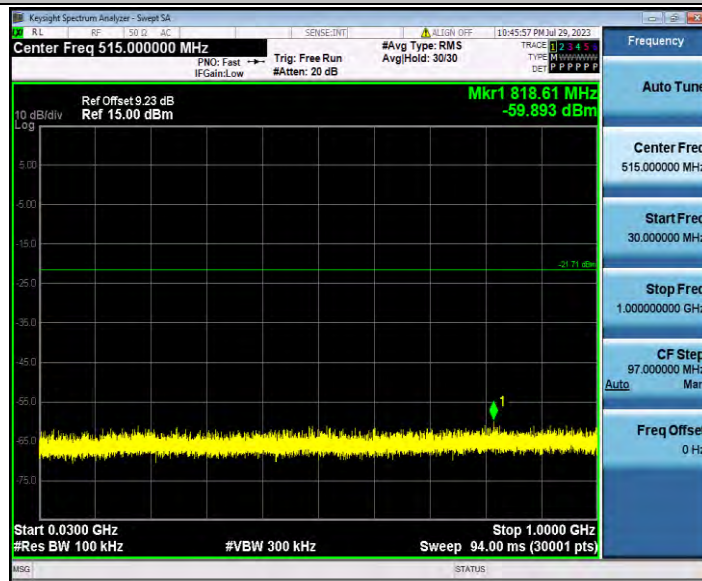
11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



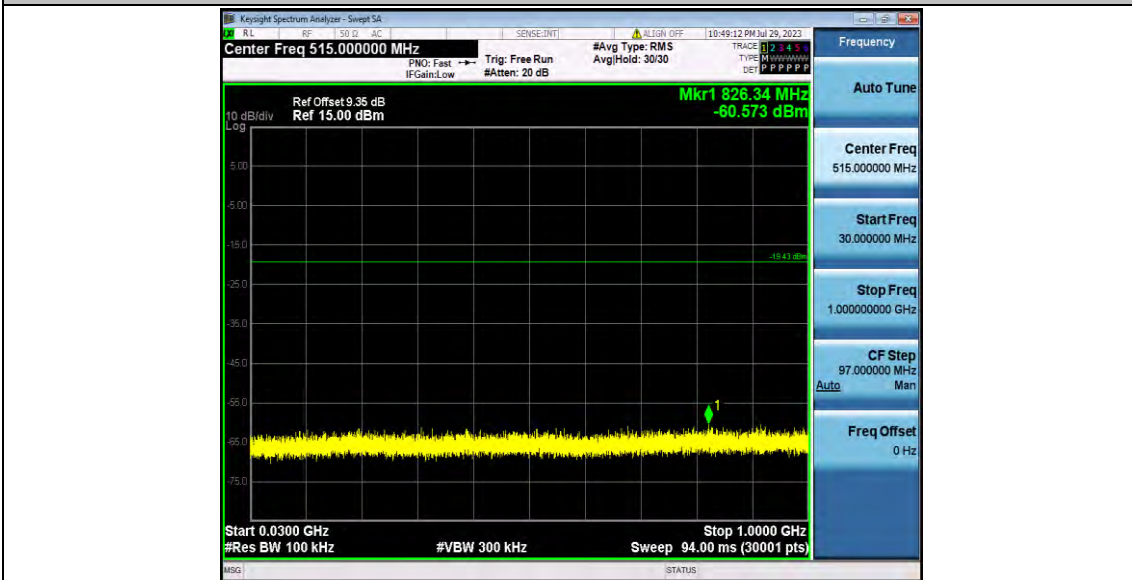
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



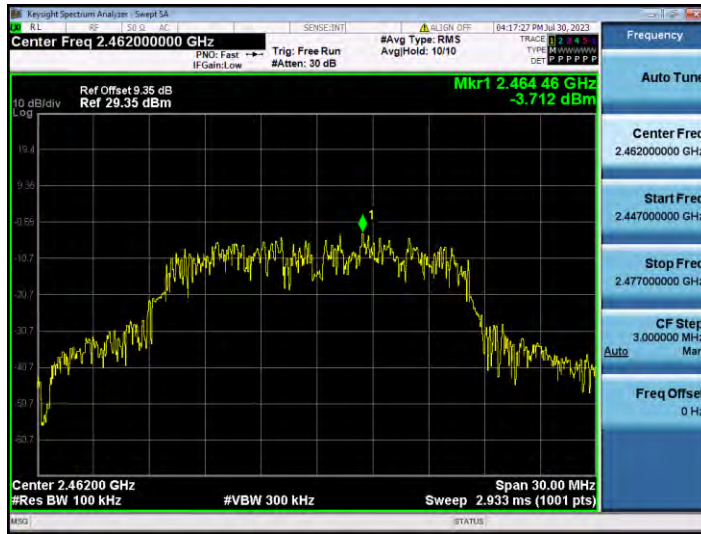
11G_Ant1_2437_0~Reference



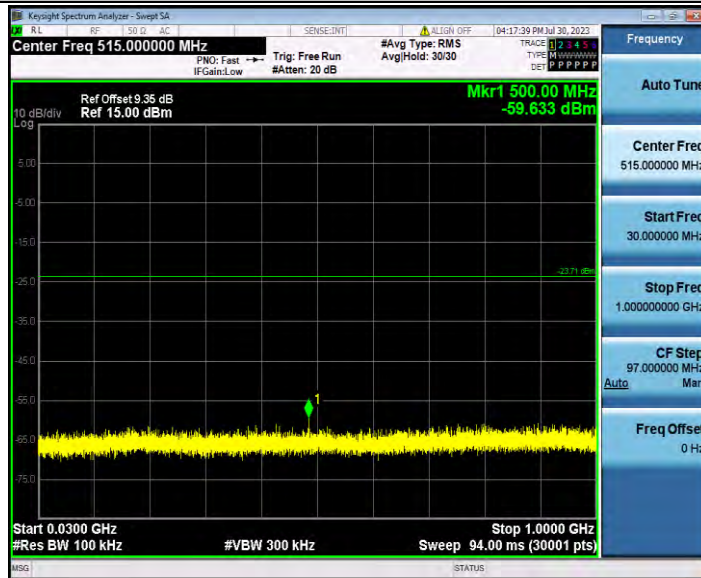
11G_Ant1_2437_30~1000



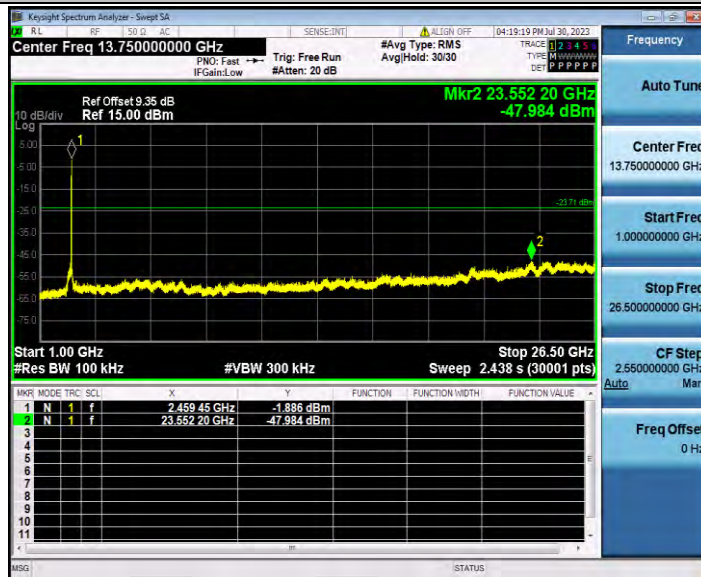
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



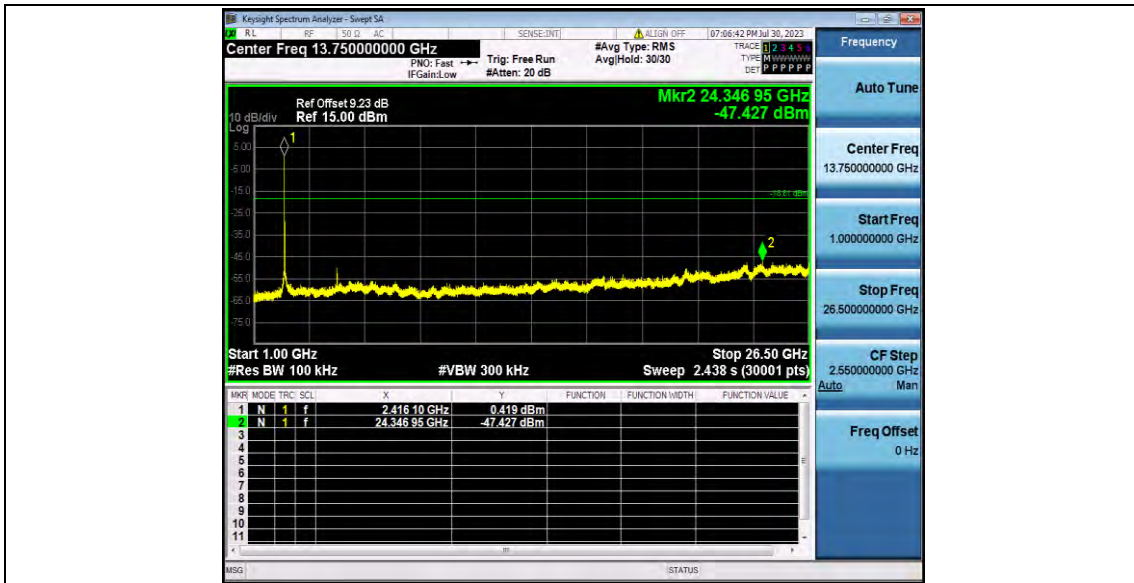
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



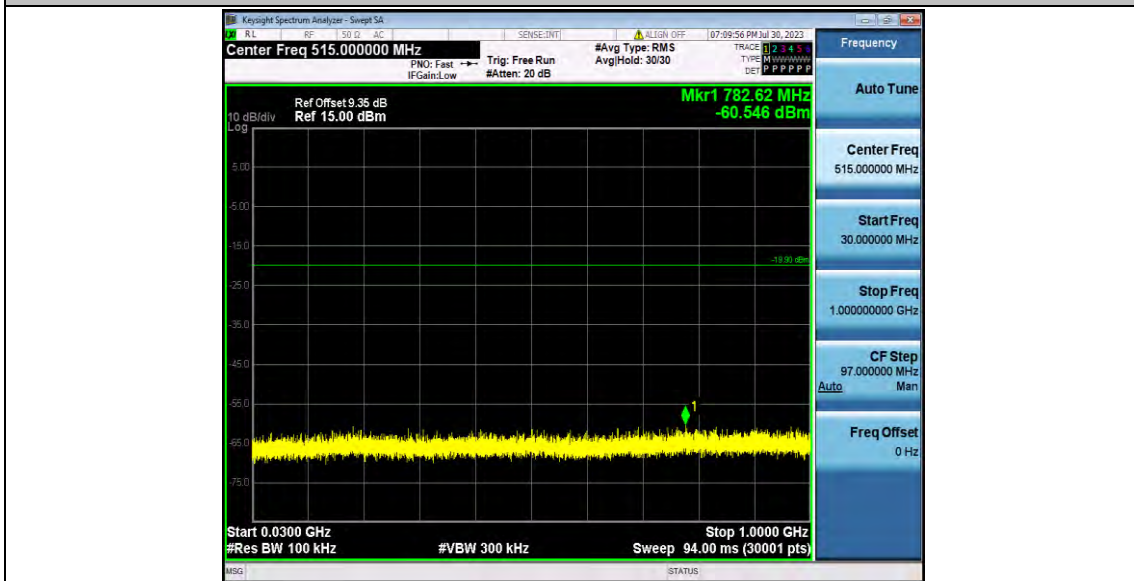
11N20SISO_Ant1_2412_30~1000



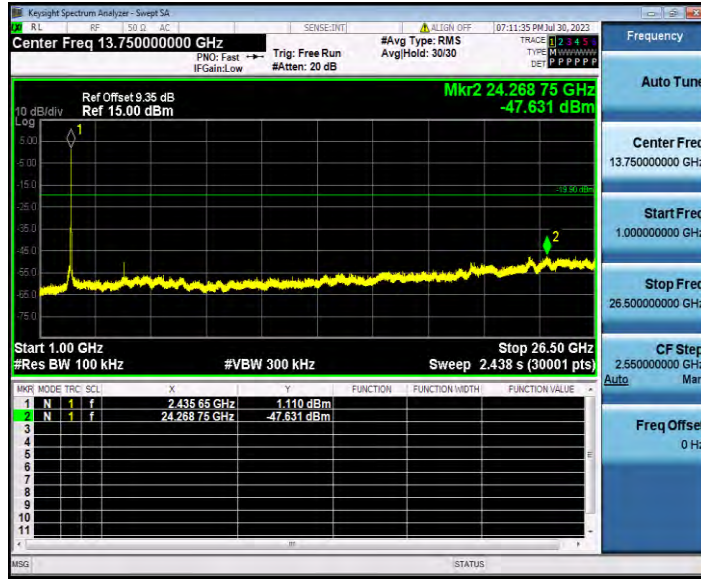
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



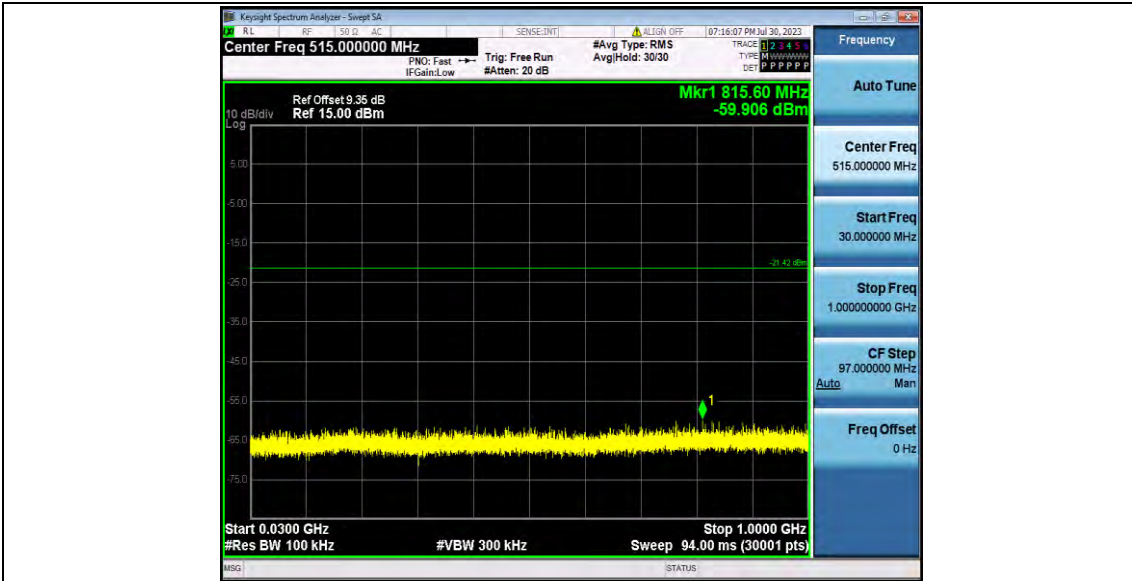
11N20SISO_Ant1_2437_30~1000



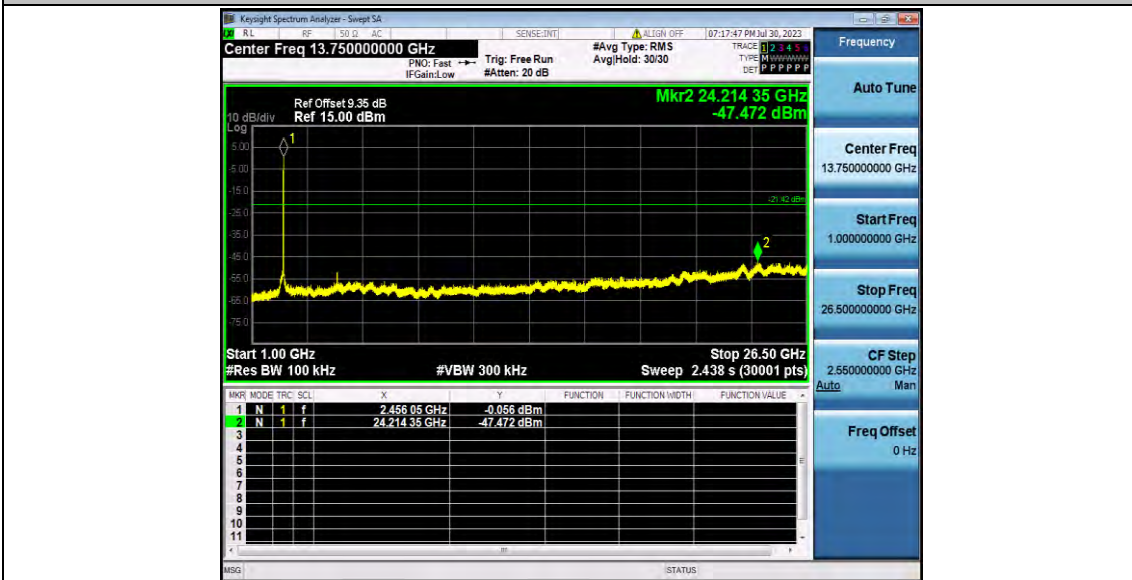
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



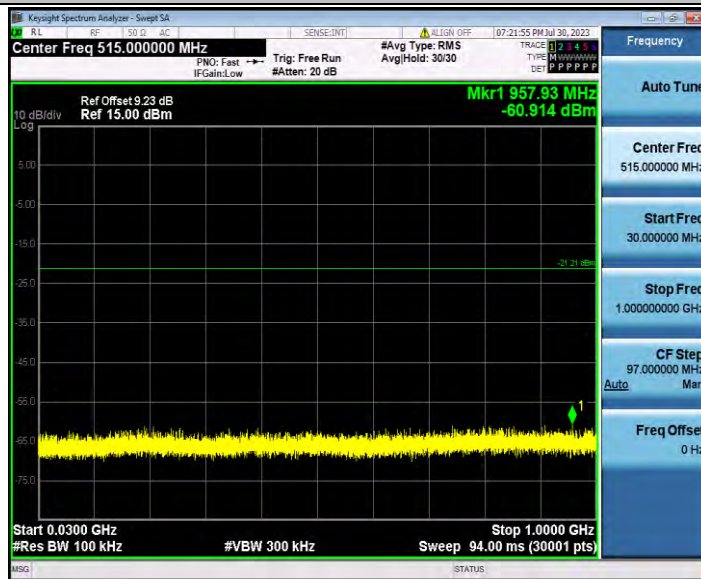
11N20SISO_Ant1_2462_30~1000



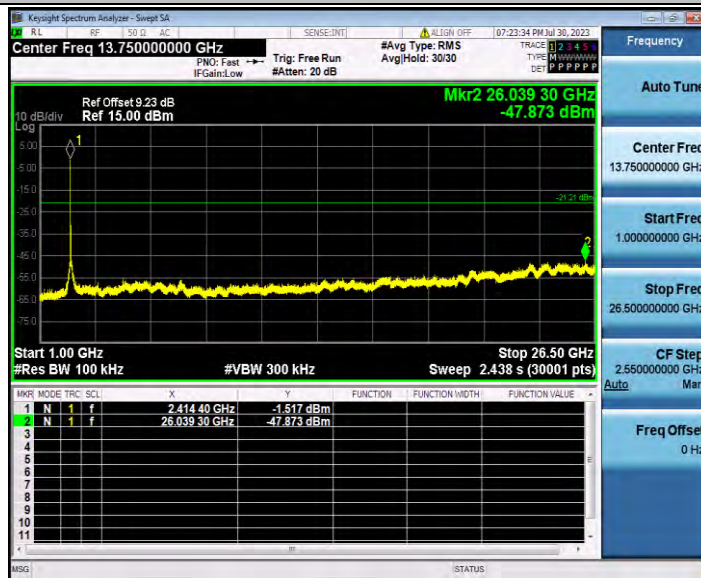
11N20SISO_Ant1_2462_1000~26500



11AX20SISO_Ant1_2412_0~Reference



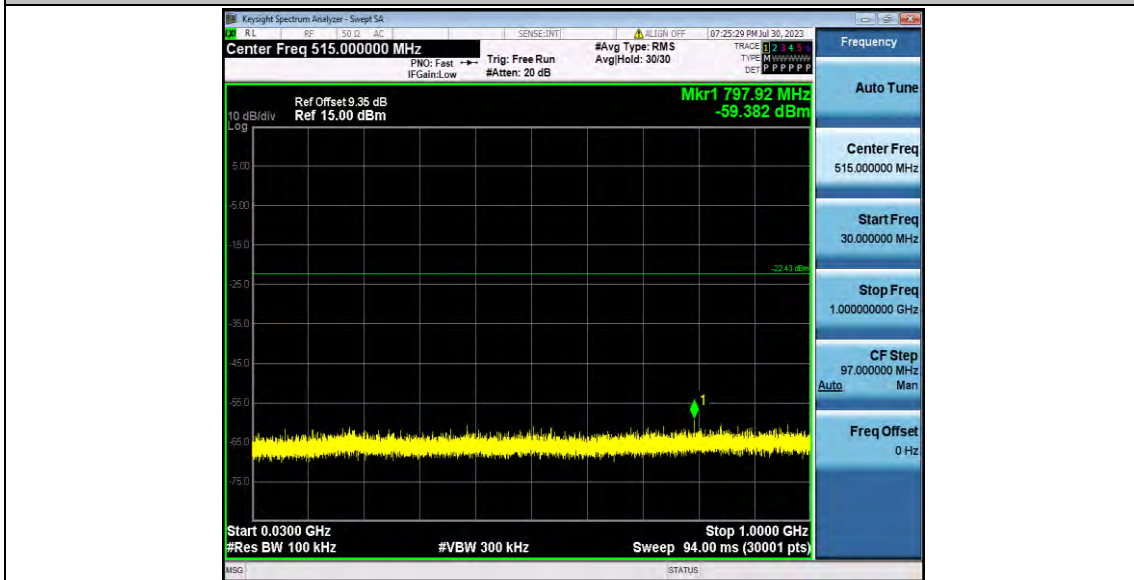
11AX20SISO_Ant1_2412_30~1000



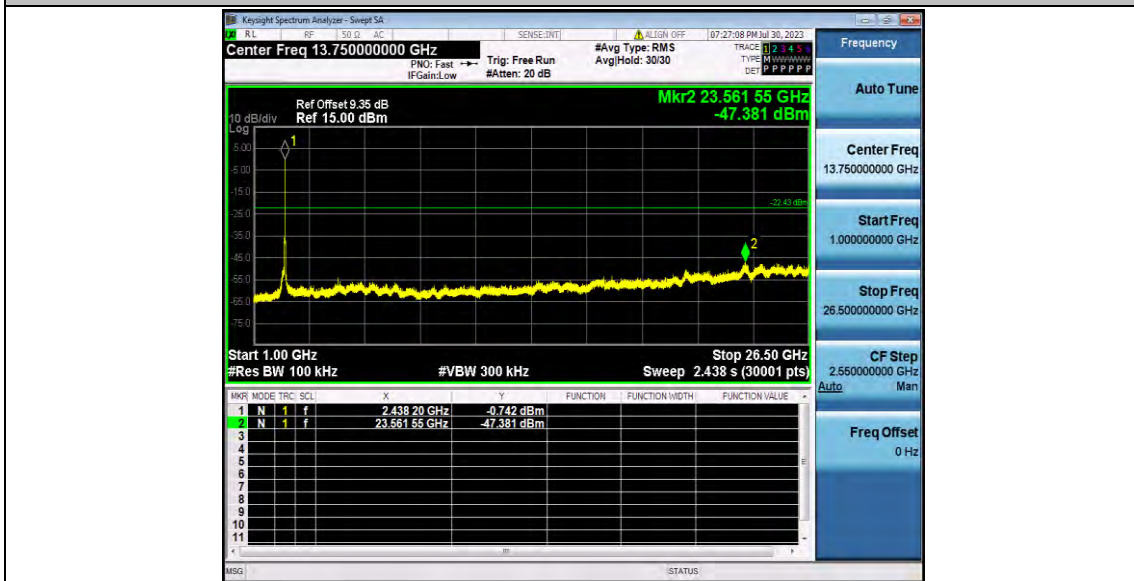
11AX20SISO_Ant1_2412_1000~26500



11AX20SISO_Ant1_2437_0~Reference



11AX20SISO_Ant1_2437_30~1000



11AX20SISO_Ant1_2437_1000~26500



11AX20SISO_Ant1_2462_0~Reference



11AX20SISO_Ant1_2462_30~1000

