

Case No. : <u>GTS20230704026-1-22</u>
Ambient Condition: <u>24 °C, 49 %RH, Atmos100.1Kpa,</u>
Test Date: <u>2023.7.26</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	Ant0	2412	7.600	2408.440	2416.040	0.5	PASS
		2437	8.080	2432.960	2441.040	0.5	PASS
		2462	7.600	2457.960	2465.560	0.5	PASS
11G	Ant0	2412	15.680	2404.480	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant0	2412	13.880	2405.680	2419.560	0.5	PASS
		2437	15.720	2429.160	2444.880	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11AX20SISO	Ant0	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	16.320	2428.880	2445.200	0.5	PASS
		2462	16.360	2453.840	2470.200	0.5	PASS

Test Graphs



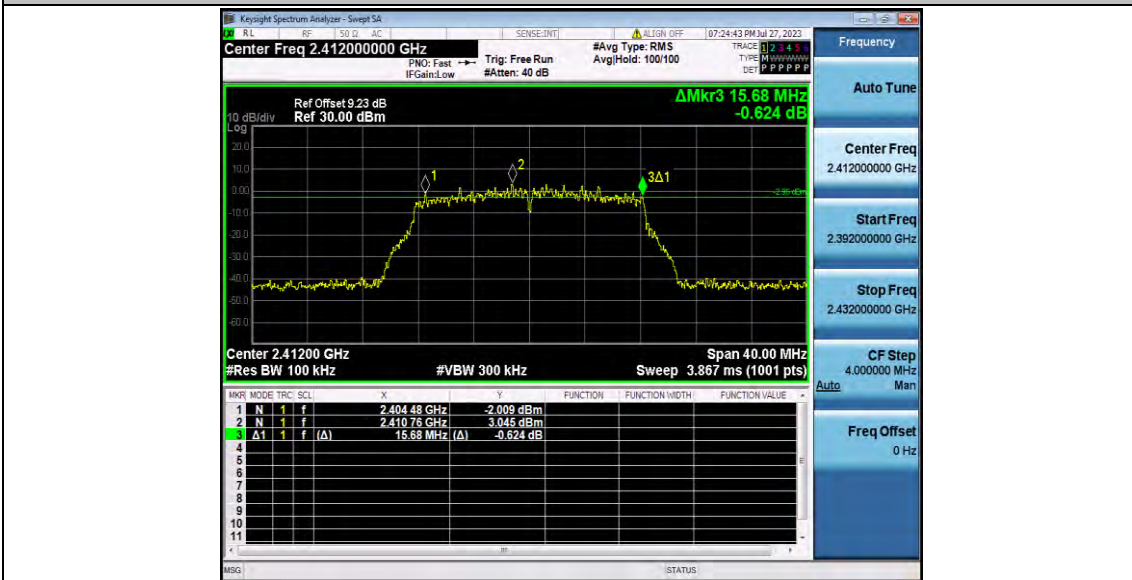
11B_Ant0_2412



11B_Ant0_2437



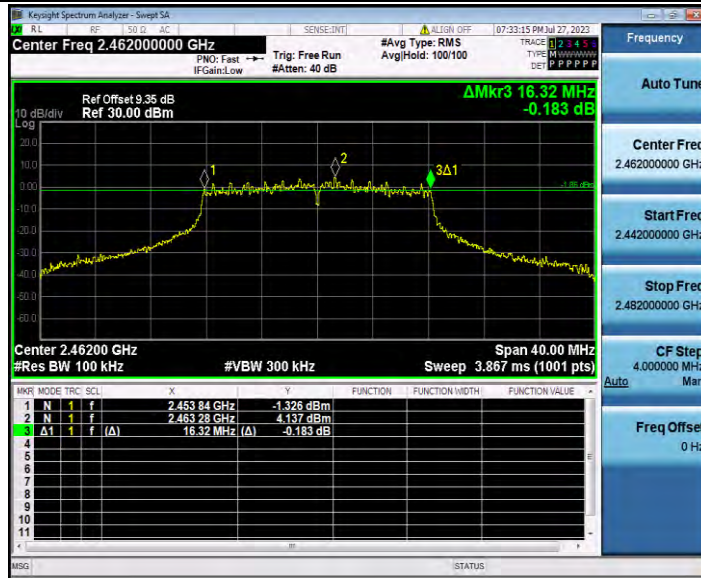
11B_Ant0_2462



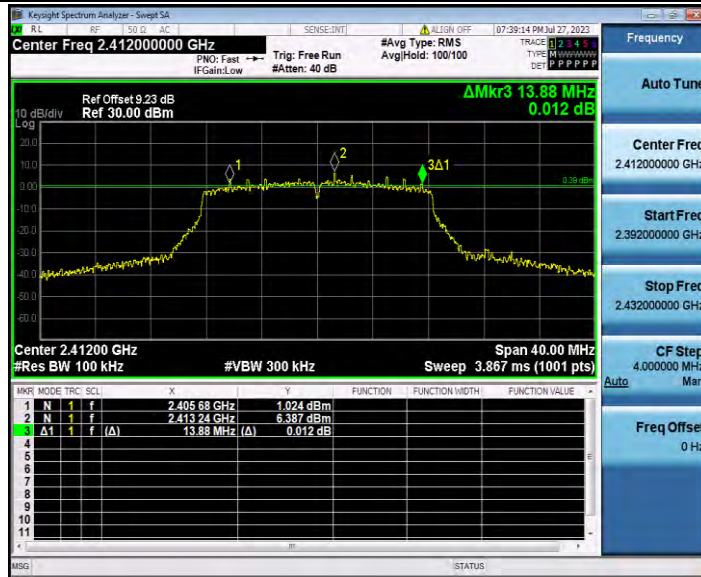
11G_Ant0_2412



11G_Ant0_2437



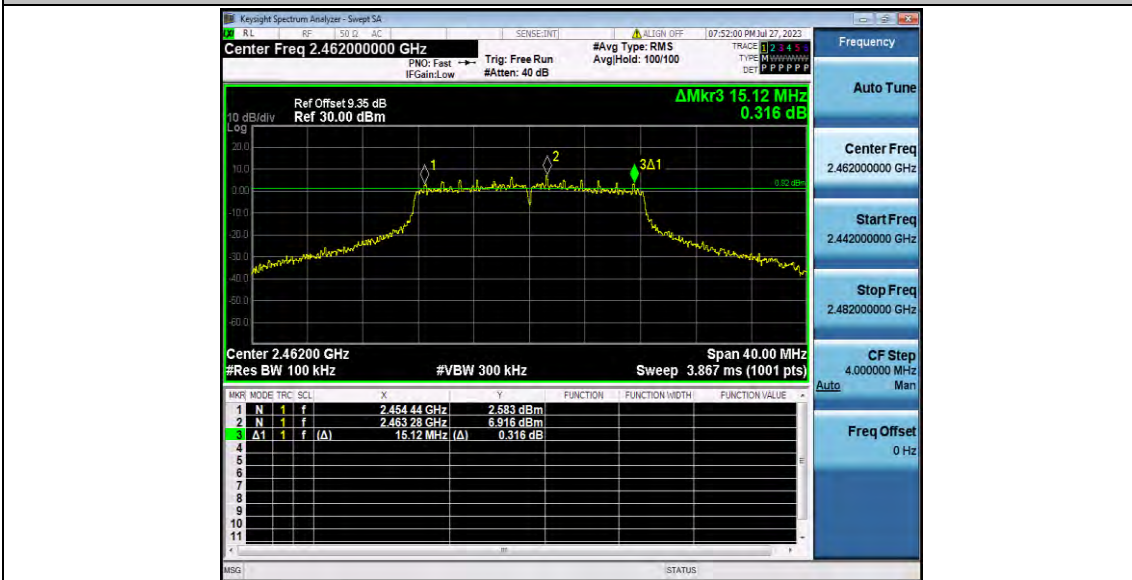
11G_Ant0_2462



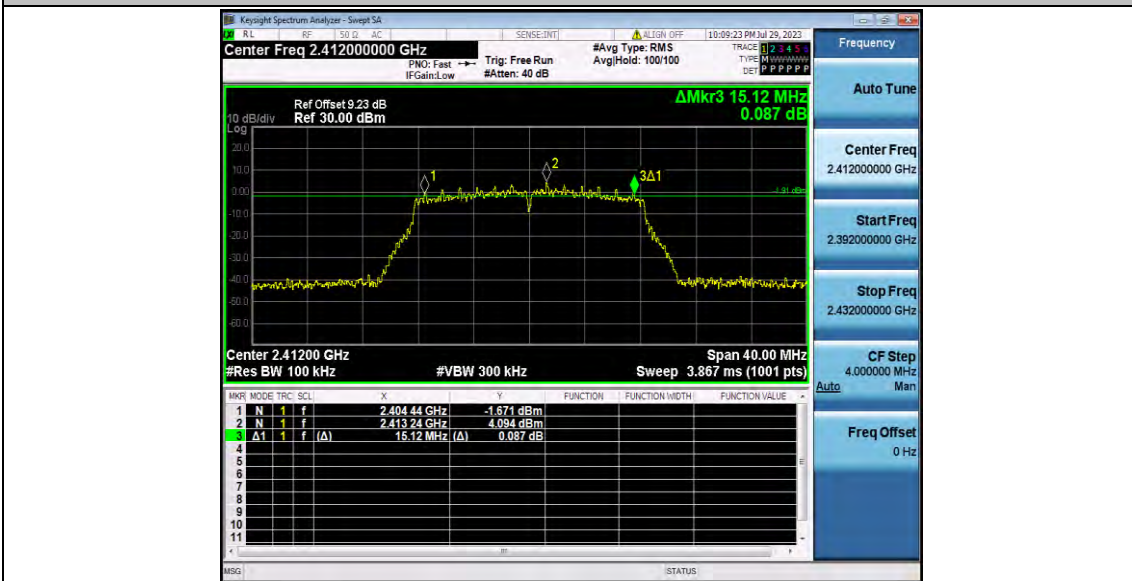
11N20SISO_Ant0_2412



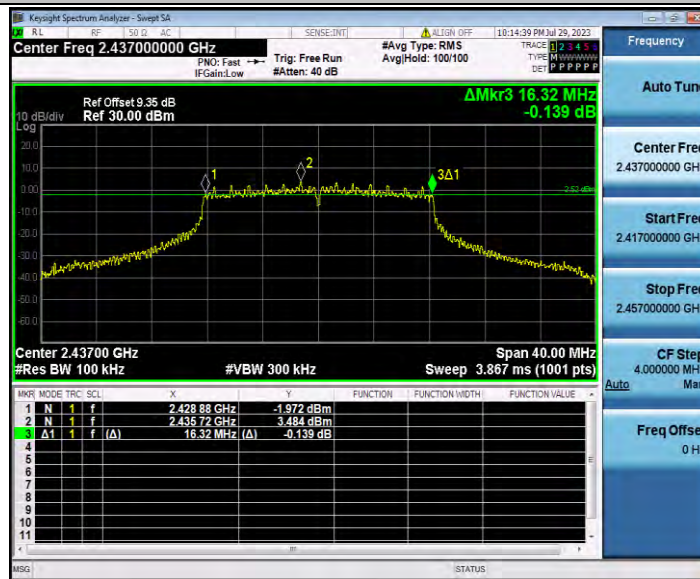
11N20SISO_Ant0_2437



11N20SISO_Ant0_2462



11AX20SISO_Ant0_2412



11AX20SISO_Ant0_2437



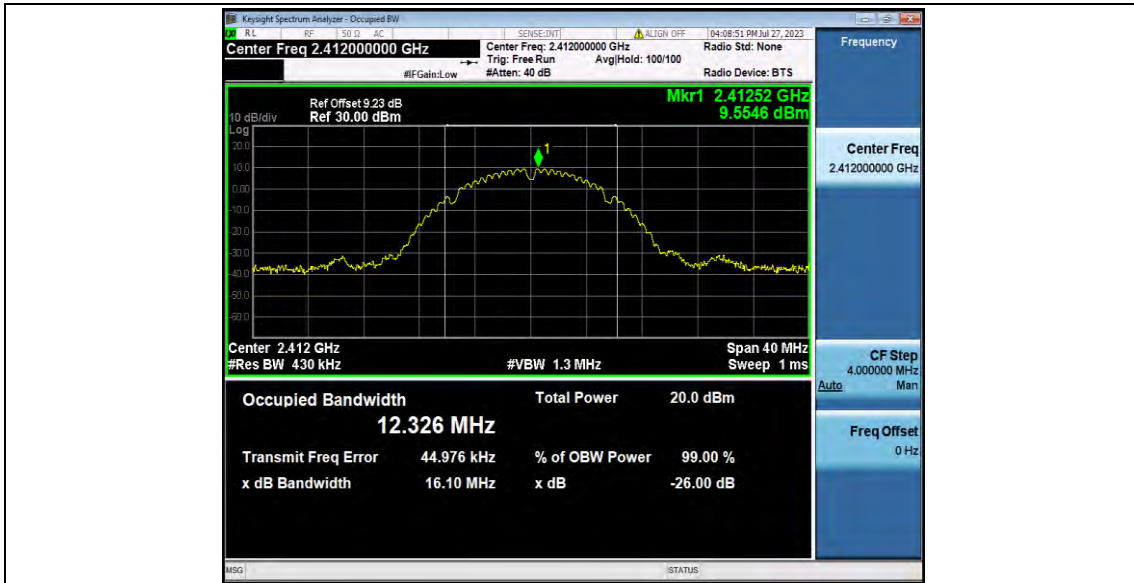
11AX20SISO_Ant0_2462

Appendix C.2: Occupied Channel Bandwidth

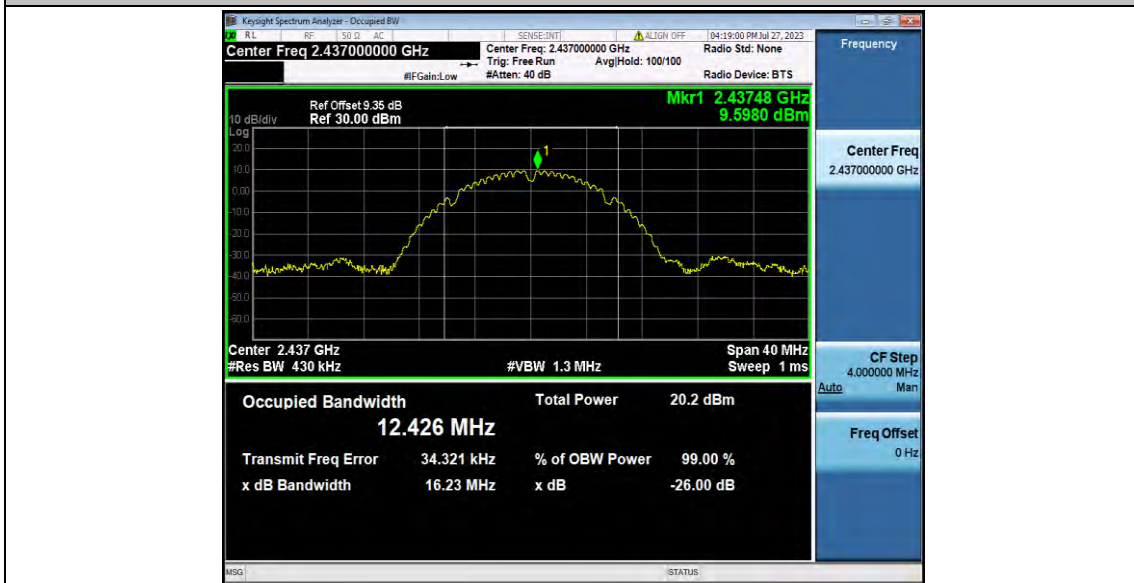
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	12.326	2405.882	2418.208	---	---
		2437	12.426	2430.821	2443.247	---	---
		2462	12.369	2455.837	2468.206	---	---
11G	Ant0	2412	16.545	2403.712	2420.257	---	---
		2437	17.172	2428.373	2445.545	---	---
		2462	17.221	2453.321	2470.542	---	---
11N20SISO	Ant0	2412	16.636	2403.699	2420.335	---	---
		2437	17.389	2428.247	2445.636	---	---
		2462	17.312	2453.329	2470.641	---	---
11AX20SISO	Ant0	2412	16.631	2403.718	2420.349	---	---
		2437	17.312	2428.306	2445.618	---	---
		2462	17.167	2453.334	2470.501	---	---

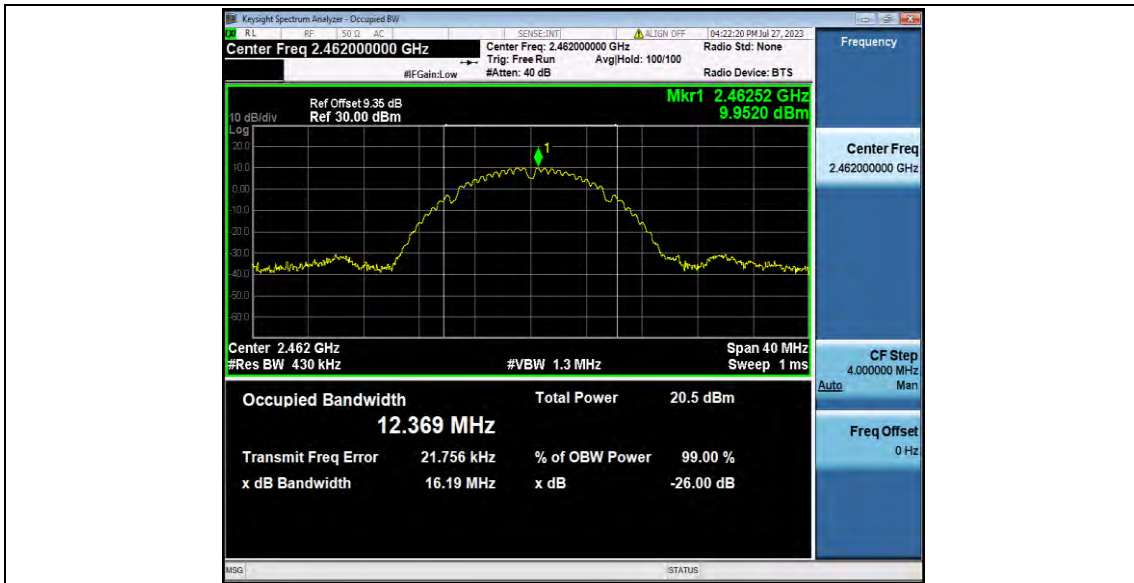
Test Graphs



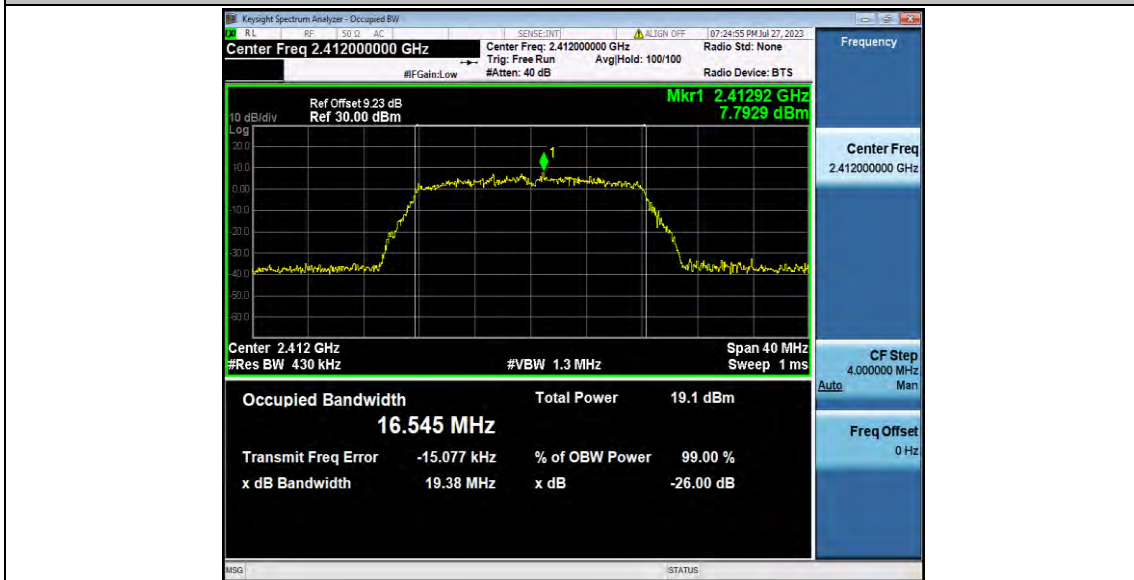
11B_Ant0_2412



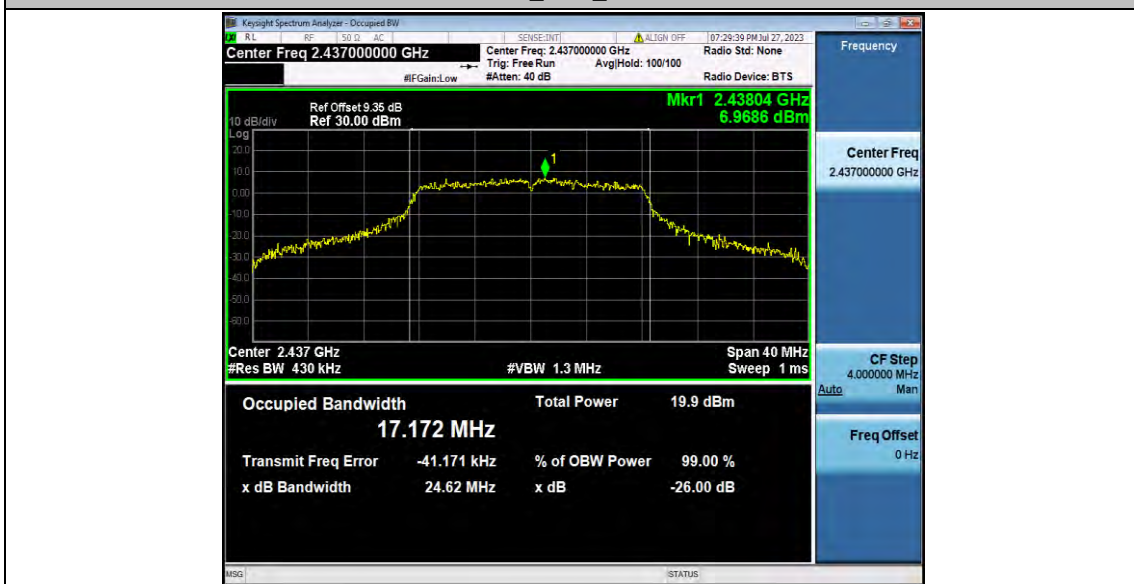
11B_Ant0_2437



11B_Ant0_2462



11G_Ant0_2412



11G_Ant0_2437



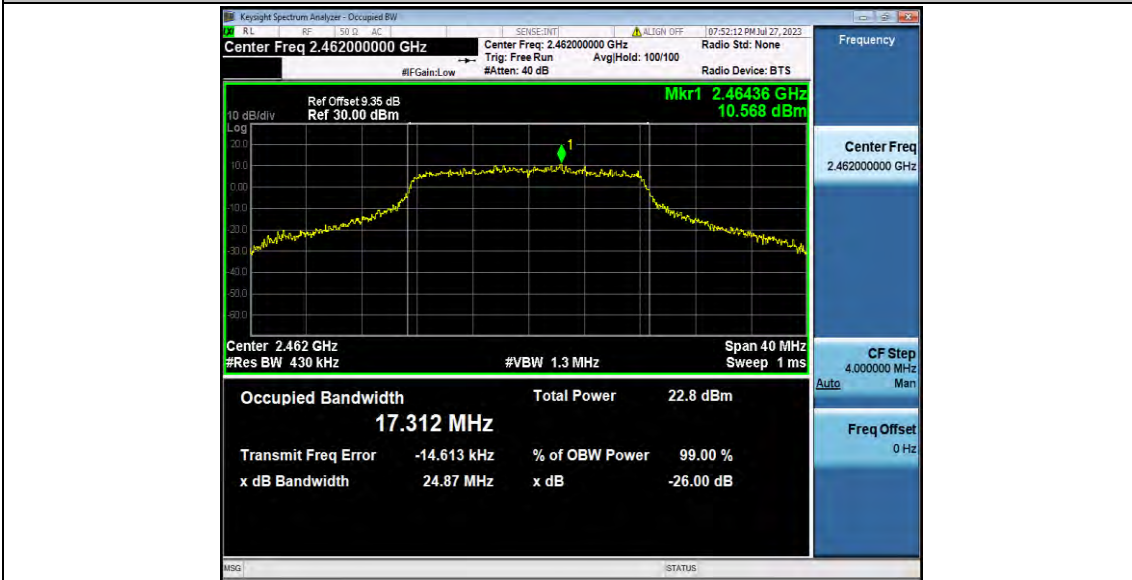
11G_Ant0_2462



11N20SISO_Ant0_2412



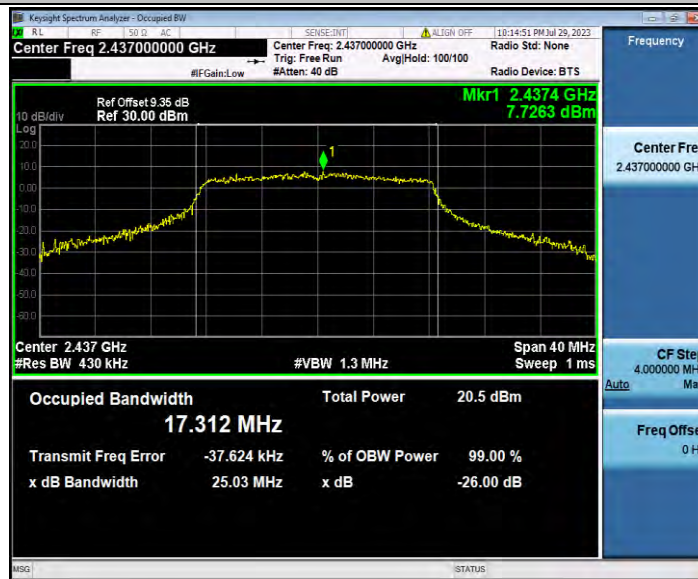
11N20SISO_Ant0_2437



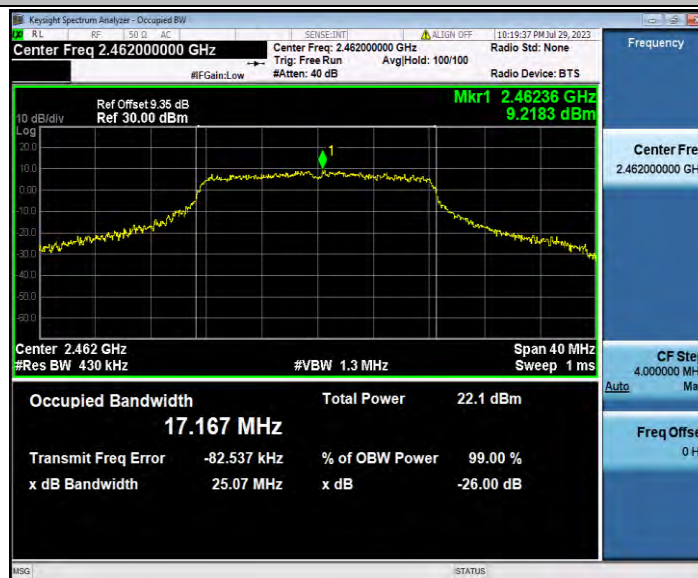
11N20SISO_Ant0_2462



11AX20SISO_Ant0_2412



11AX20SISO_Ant0_2437



11AX20SISO_Ant0_2462

Appendix C.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant0	2412	20.10	≤30.00	PASS
		2437	20.23	≤30.00	PASS
		2462	20.57	≤30.00	PASS
11G	Ant0	2412	20.30	≤30.00	PASS
		2437	20.91	≤30.00	PASS
		2462	21.68	≤30.00	PASS
11N20SISO	Ant0	2412	22.90	≤30.00	PASS
		2437	23.19	≤30.00	PASS
		2462	23.47	≤30.00	PASS
11AX20SISO	Ant0	2412	21.20	≤30.00	PASS
		2437	21.45	≤30.00	PASS
		2462	23.00	≤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	Ant0	2412	-6.95	≤8.00	PASS
		2437	2.7	≤8.00	PASS
		2462	-6.8	≤8.00	PASS
11G	Ant0	2412	-14.25	≤8.00	PASS
		2437	-13.01	≤8.00	PASS
		2462	-11.11	≤8.00	PASS
11N20SISO	Ant0	2412	-9.74	≤8.00	PASS
		2437	-9.32	≤8.00	PASS
		2462	-9.38	≤8.00	PASS
11AX20SISO	Ant0	2412	-11.43	≤8.00	PASS
		2437	-11.46	≤8.00	PASS
		2462	-9.65	≤8.00	PASS

Test Graphs



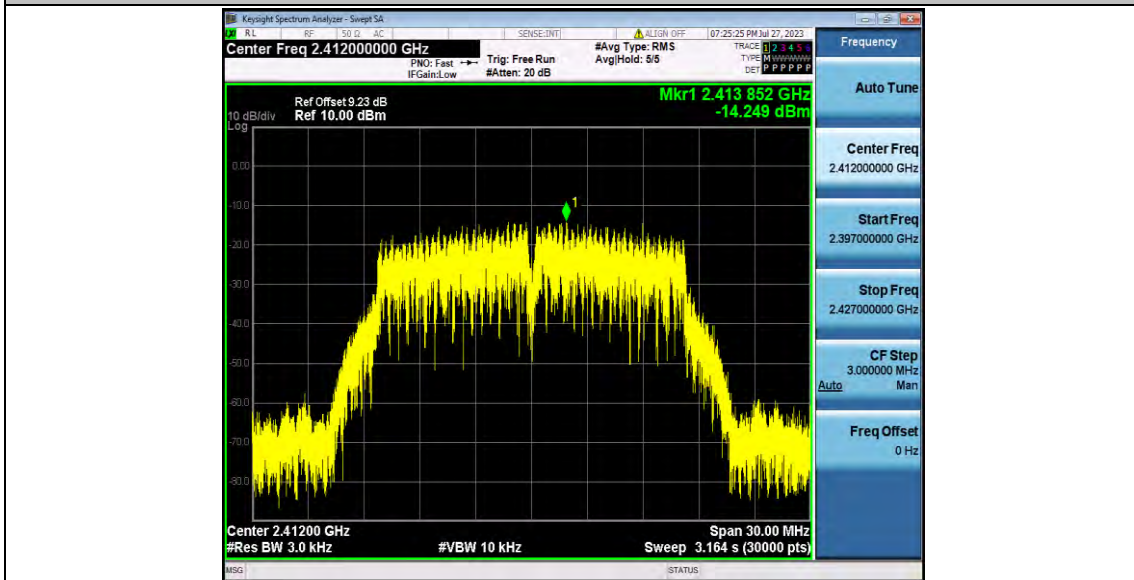
11B_Ant0_2412



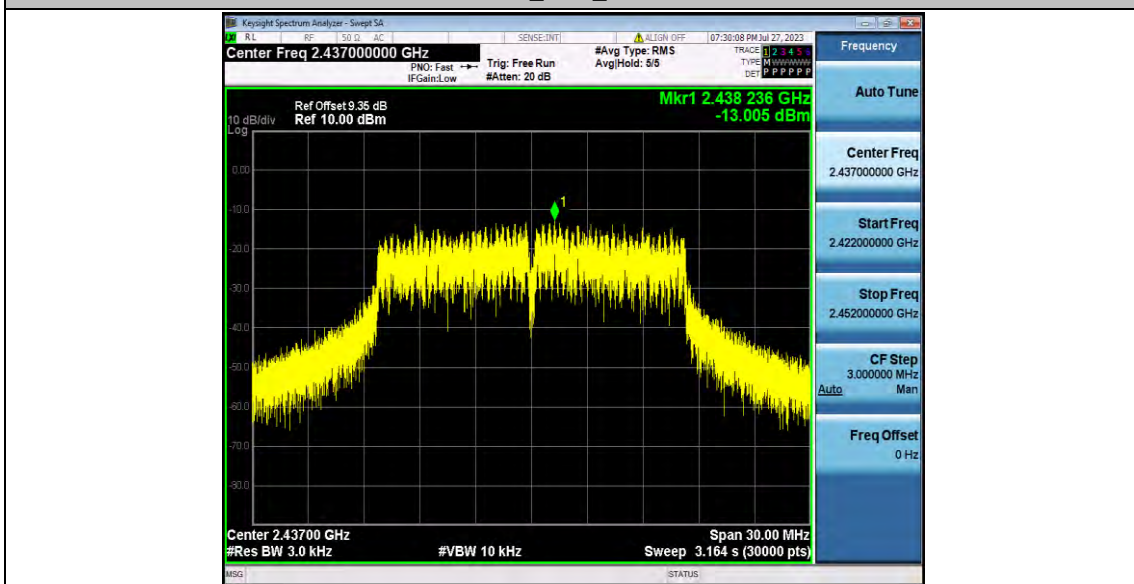
11B_Ant0_2437



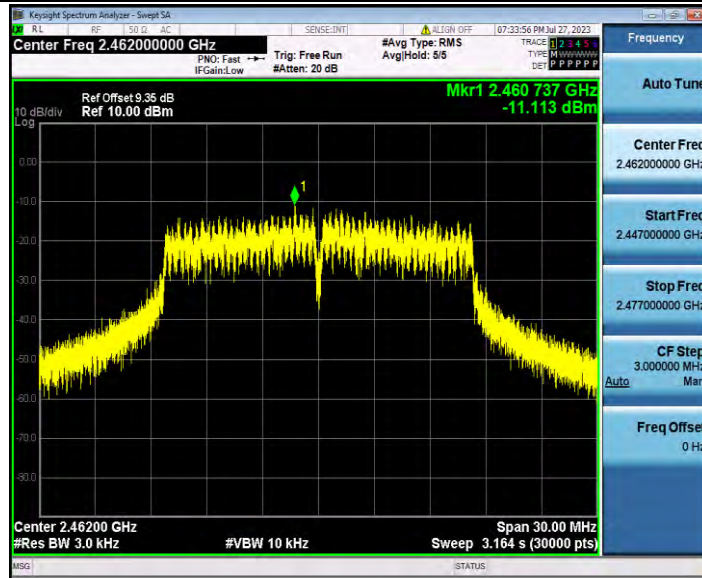
11B_Ant0_2462



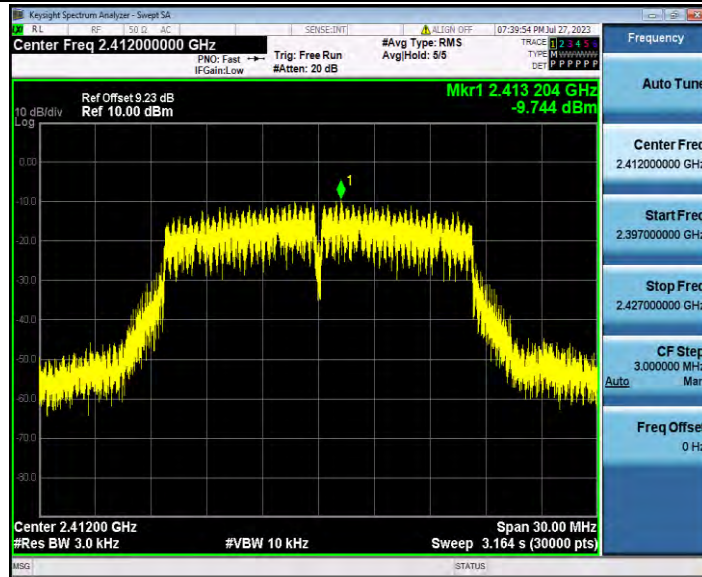
11G_Ant0_2412



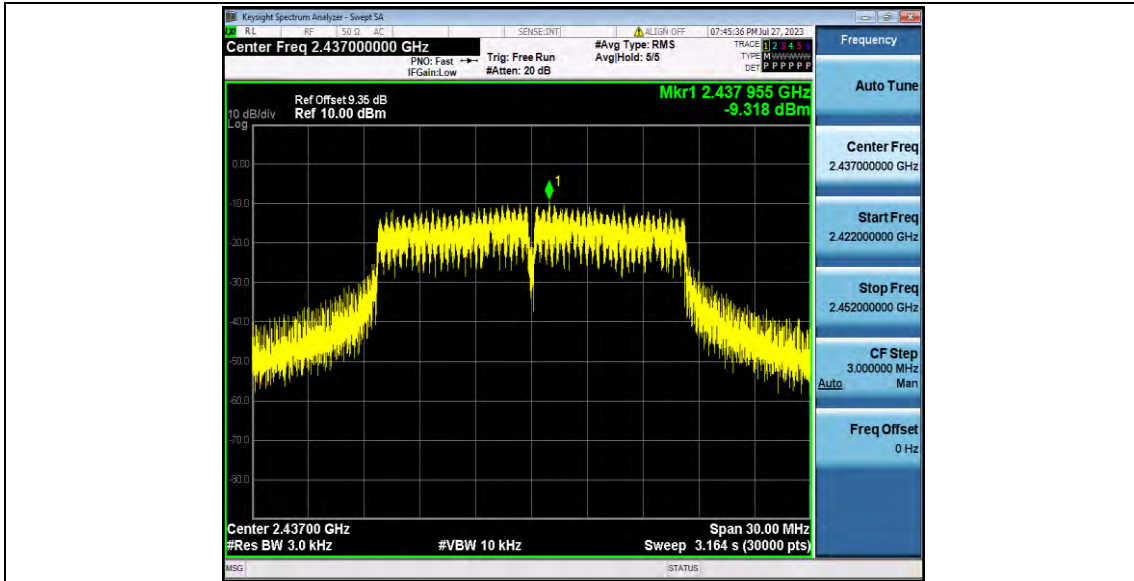
11G_Ant0_2437



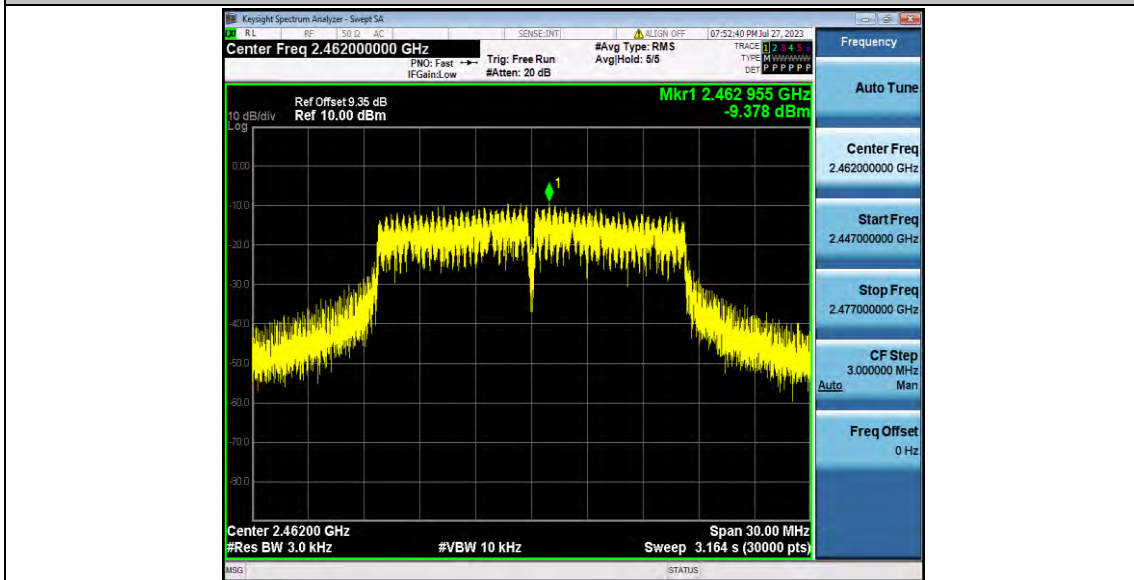
11G_Ant0_2462



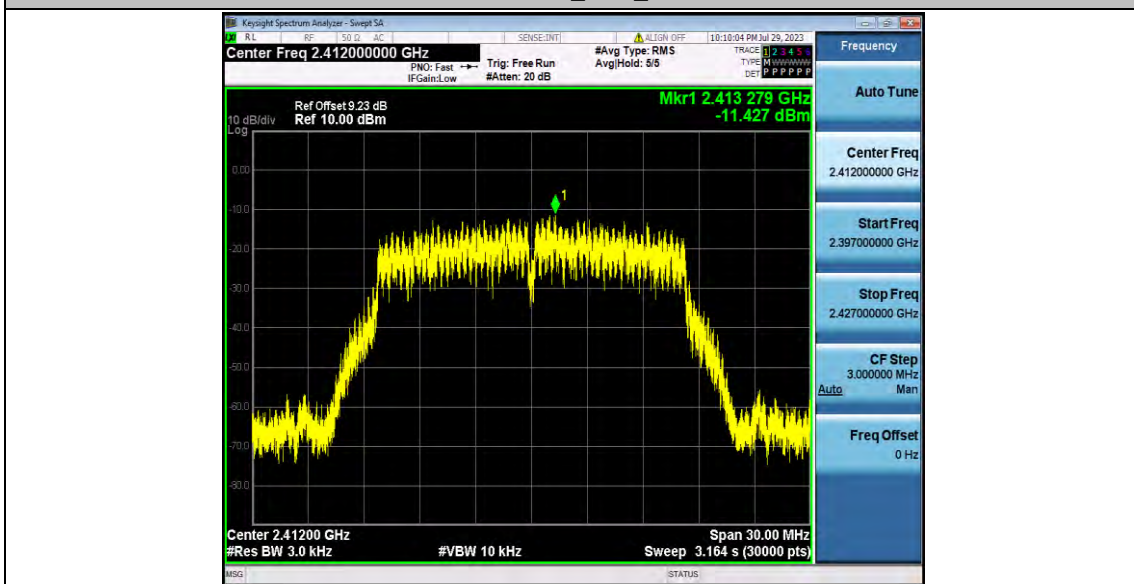
11N20SISO_Ant0_2412



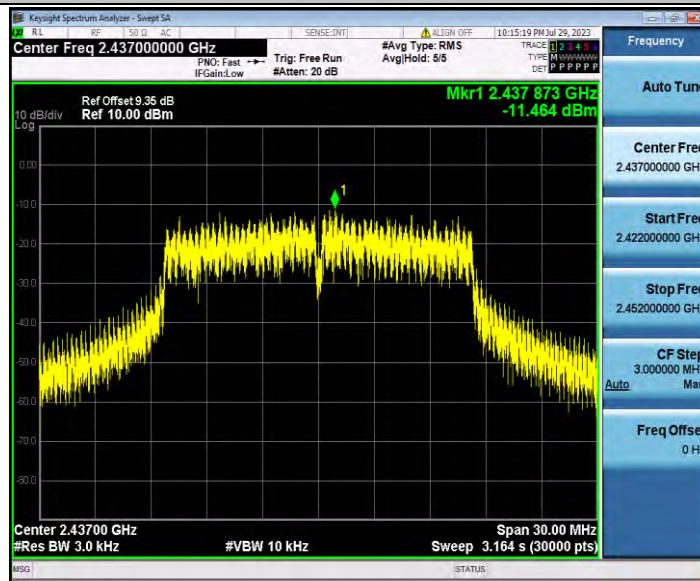
11N20SISO_Ant0_2437



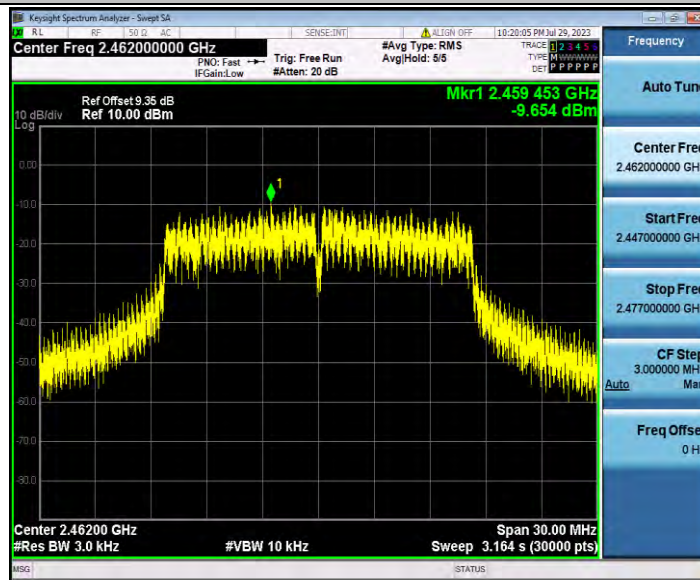
11N20SISO_Ant0_2462



11AX20SISO_Ant0_2412



11AX20SISO_Ant0_2437



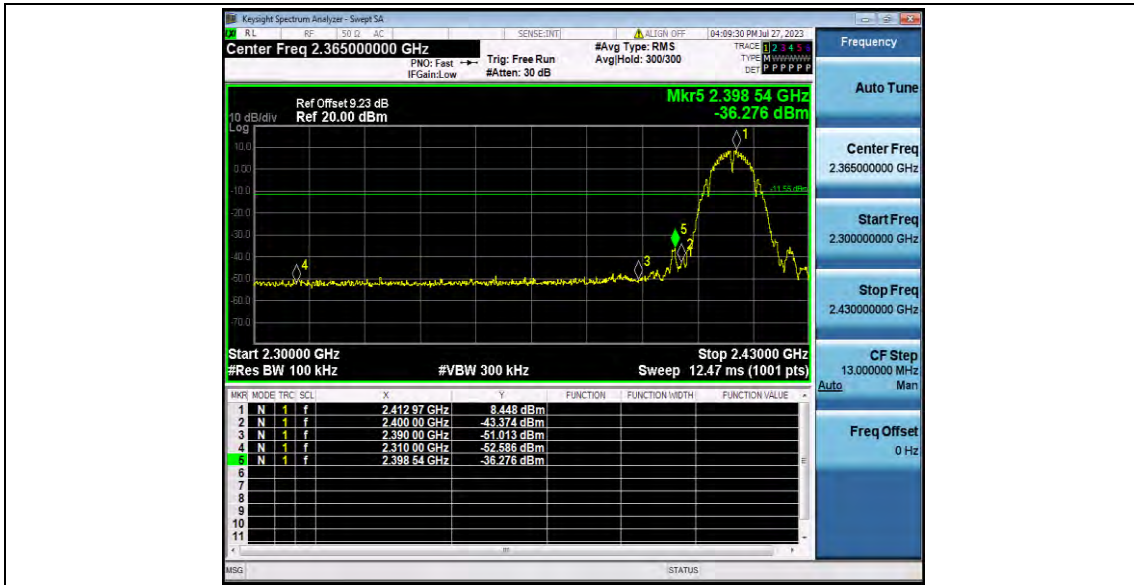
11AX20SISO_Ant0_2462

Appendix C.5: Band edge measurements

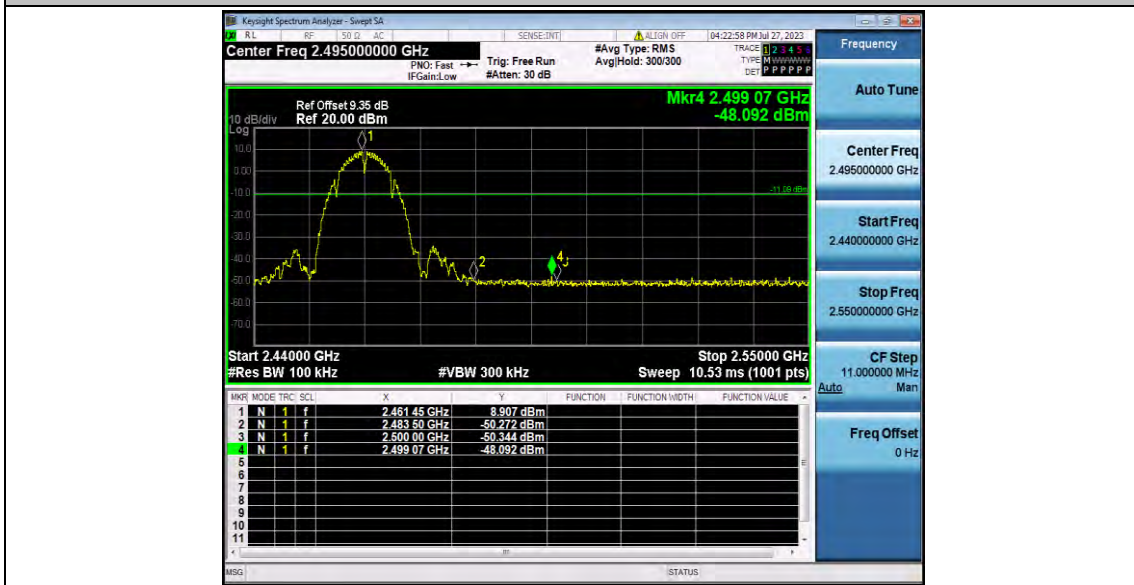
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	8.45	-36.28	≤ -11.55	PASS
		High	2462	8.91	-48.09	≤ -11.09	PASS
11G	Ant0	Low	2412	3.90	-42.03	≤ -16.11	PASS
		High	2462	4.42	-45.96	≤ -15.59	PASS
11N20SISO	Ant0	Low	2412	6.34	-31	≤ -13.66	PASS
		High	2462	6.70	-37.6	≤ -13.3	PASS
11AX20SISO	Ant0	Low	2412	4.20	-38.78	≤ -15.8	PASS
		High	2462	5.80	-39.55	≤ -14.21	PASS

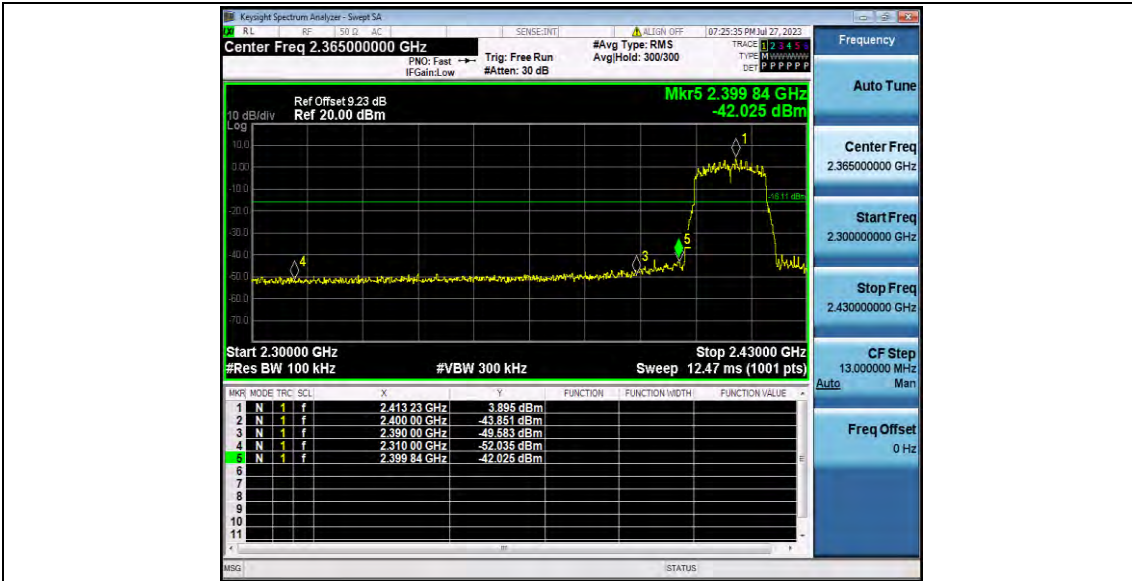
Test Graphs



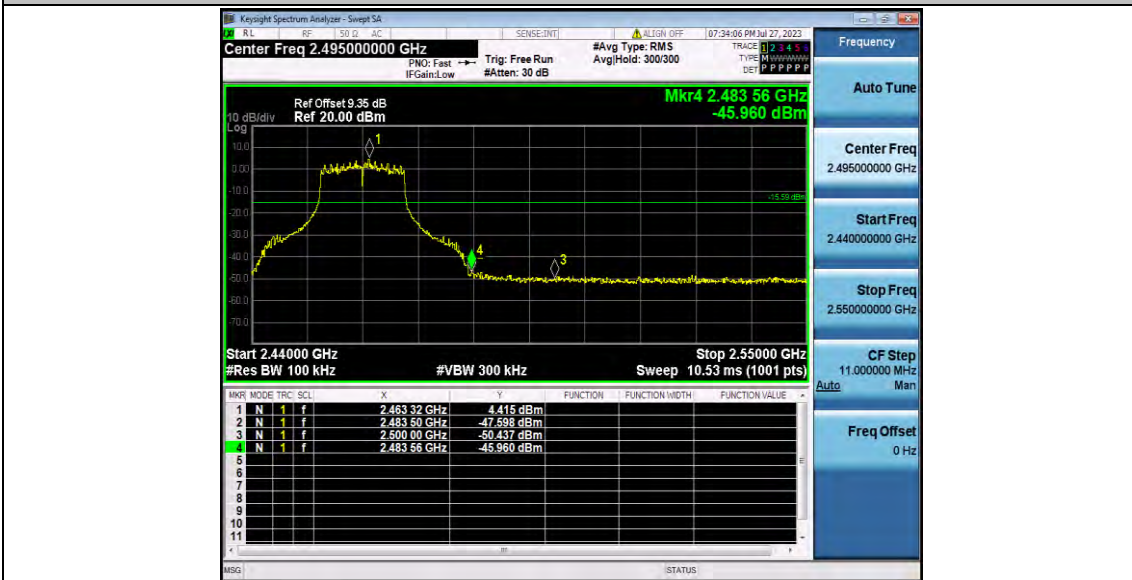
11B_Ant0_Low_2412



11B_Ant0_High_2462



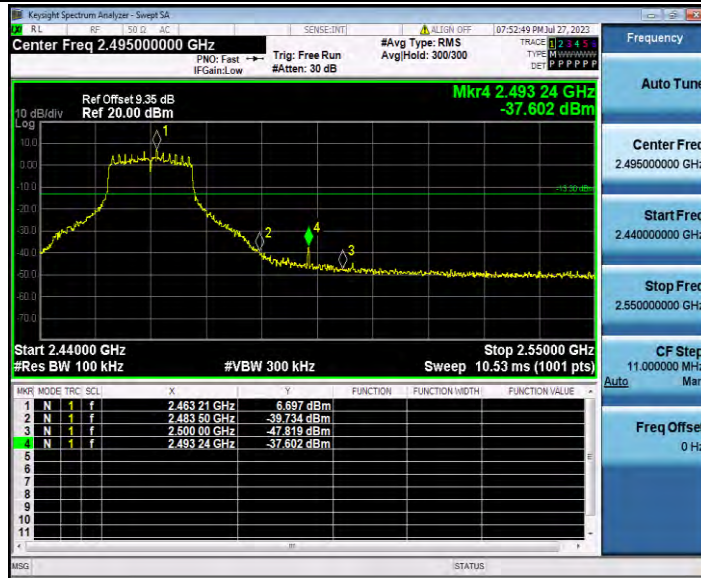
11G_Ant0_Low_2412



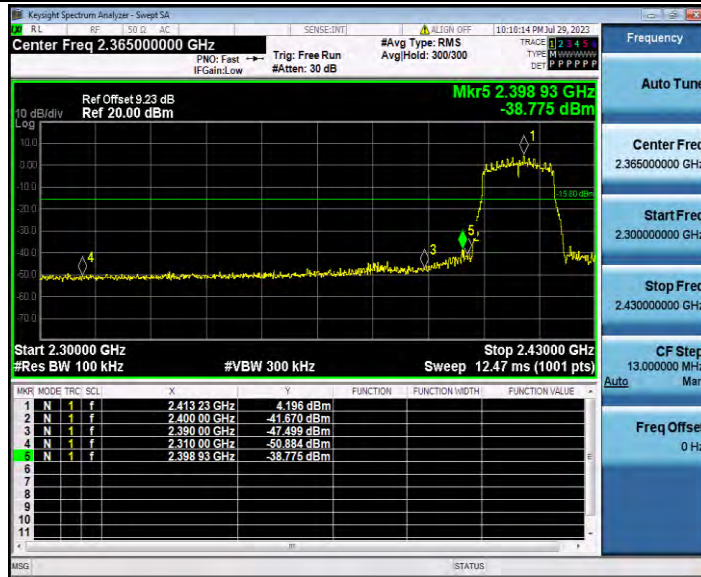
11G_Ant0_High_2462



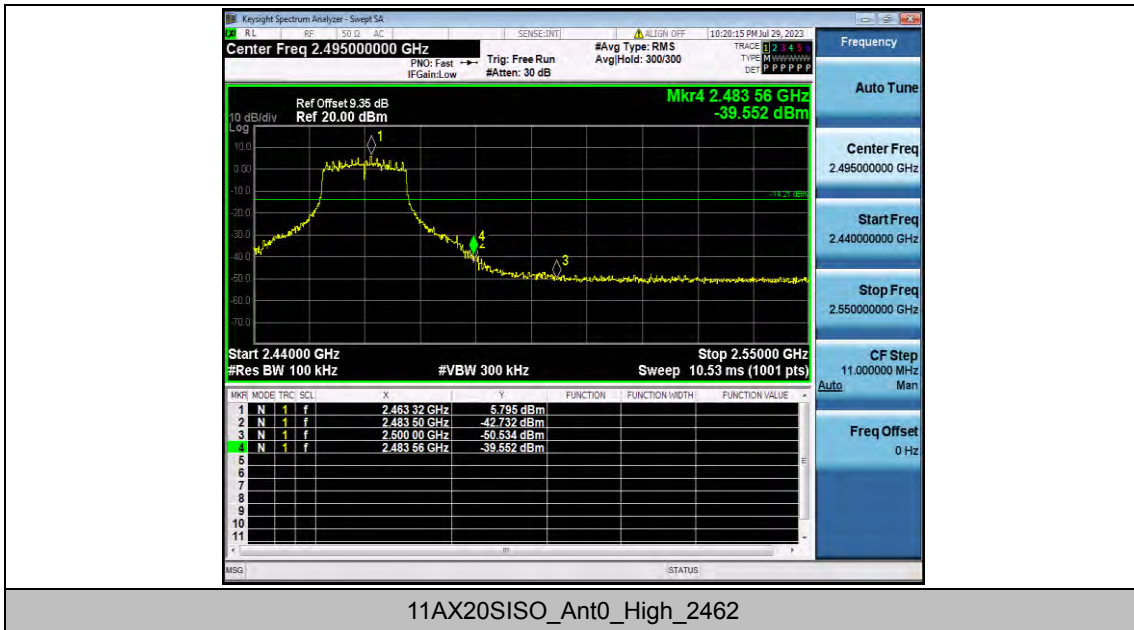
11N20SISO_Ant0_Low_2412



11N20SISO_Ant0_High_2462



11AX20SISO_Ant0_Low_2412



Appendix C.6: Conducted Spurious Emission

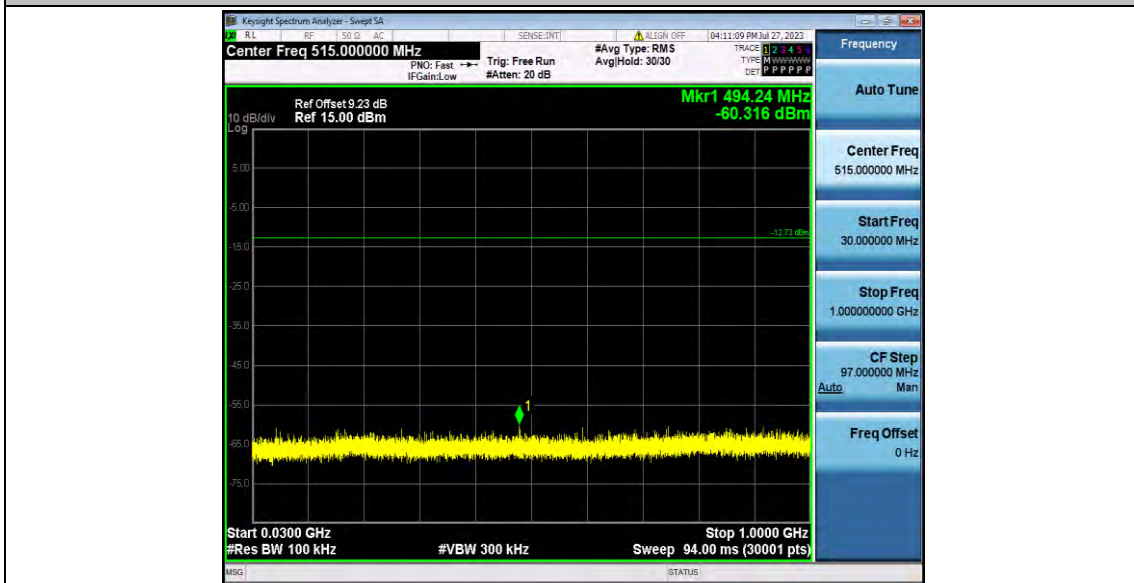
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	7.27	7.27	---	PASS
			30~1000	7.27	-60.32	≤-12.73	PASS
			1000~26500	7.27	-29.37	≤-12.73	PASS
		2437	Reference	8.32	8.32	---	PASS
			30~1000	8.32	-53.95	≤-11.68	PASS
			1000~26500	8.32	-29.76	≤-11.68	PASS
		2462	Reference	7.87	7.87	---	PASS
			30~1000	7.87	-60.66	≤-12.13	PASS
			1000~26500	7.87	-31.06	≤-12.13	PASS
11G	Ant0	2412	Reference	0.31	0.31	---	PASS
			30~1000	0.31	-46.69	≤-19.69	PASS
			1000~26500	0.31	-47.72	≤-19.69	PASS
		2437	Reference	3.22	3.22	---	PASS
			30~1000	3.22	-60.67	≤-16.78	PASS
			1000~26500	3.22	-47.43	≤-16.78	PASS
		2462	Reference	3.21	3.21	---	PASS
			30~1000	3.21	-60.23	≤-16.79	PASS
			1000~26500	3.21	-47.57	≤-16.79	PASS
11N20SISO	Ant0	2412	Reference	6.31	6.31	---	PASS
			30~1000	6.31	-60.5	≤-13.69	PASS
			1000~26500	6.31	-44.27	≤-13.69	PASS
		2437	Reference	5.85	5.85	---	PASS
			30~1000	5.85	-60.25	≤-14.15	PASS
			1000~26500	5.85	-44.91	≤-14.15	PASS
		2462	Reference	6.24	6.24	---	PASS
			30~1000	6.24	-60.7	≤-13.76	PASS
			1000~26500	6.24	-45.24	≤-13.76	PASS
11AX20SISO	Ant0	2412	Reference	3.28	3.28	---	PASS
			30~1000	3.28	-60.37	≤-16.72	PASS
			1000~26500	3.28	-46.4	≤-16.72	PASS
		2437	Reference	4.10	4.10	---	PASS
			30~1000	4.10	-60.1	≤-15.9	PASS
			1000~26500	4.10	-46.78	≤-15.9	PASS
		2462	Reference	4.38	4.38	---	PASS
			30~1000	4.38	-52.63	≤-15.62	PASS
			1000~26500	4.38	-46.33	≤-15.62	PASS

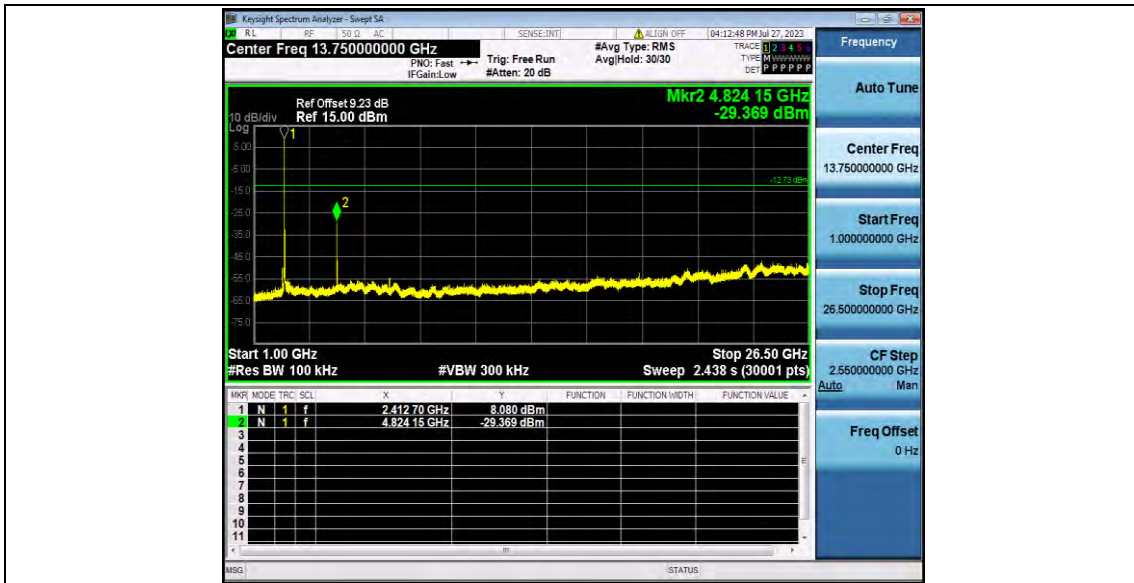
Test Graphs



11B_Ant0_2412_0~Reference



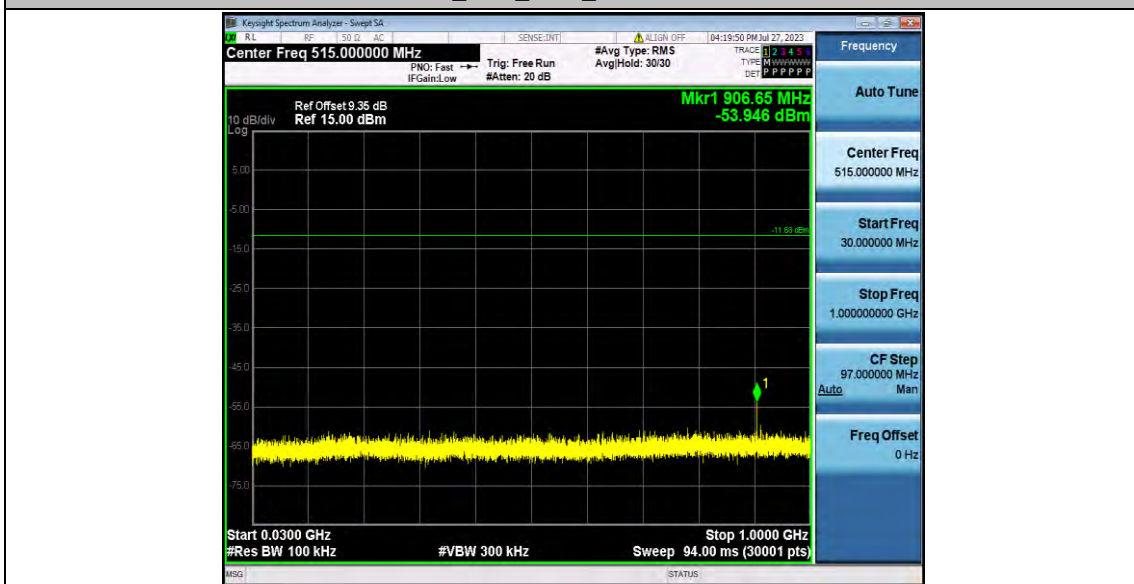
11B_Ant0_2412_30~1000



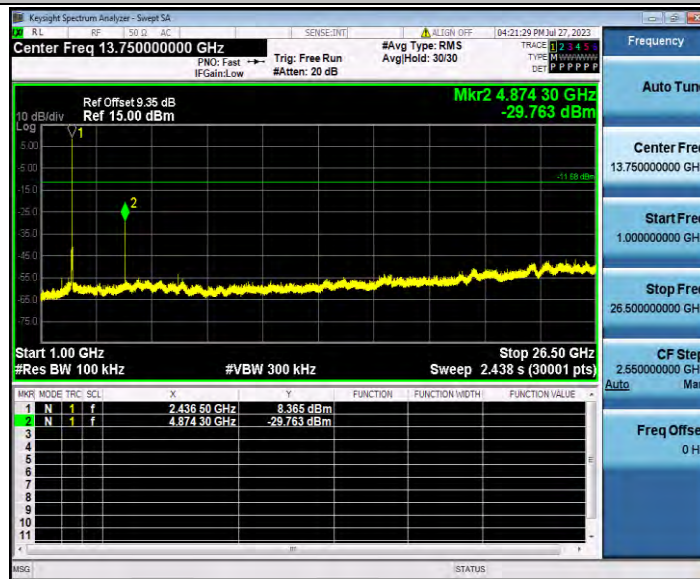
11B_Ant0_2412_1000~26500



11B_Ant0_2437_0~Reference



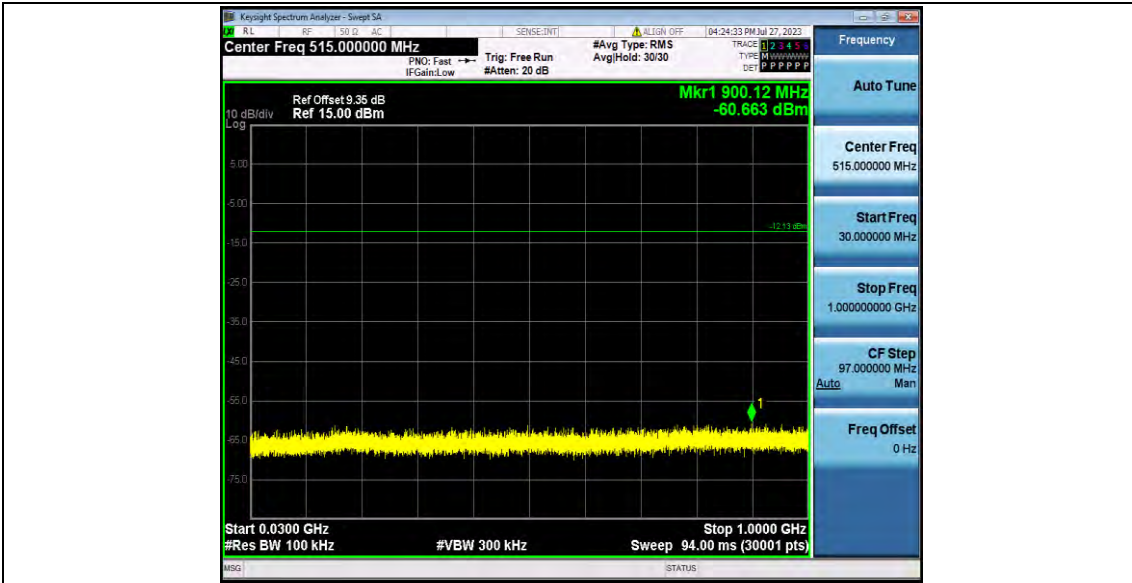
11B_Ant0_2437_30~1000



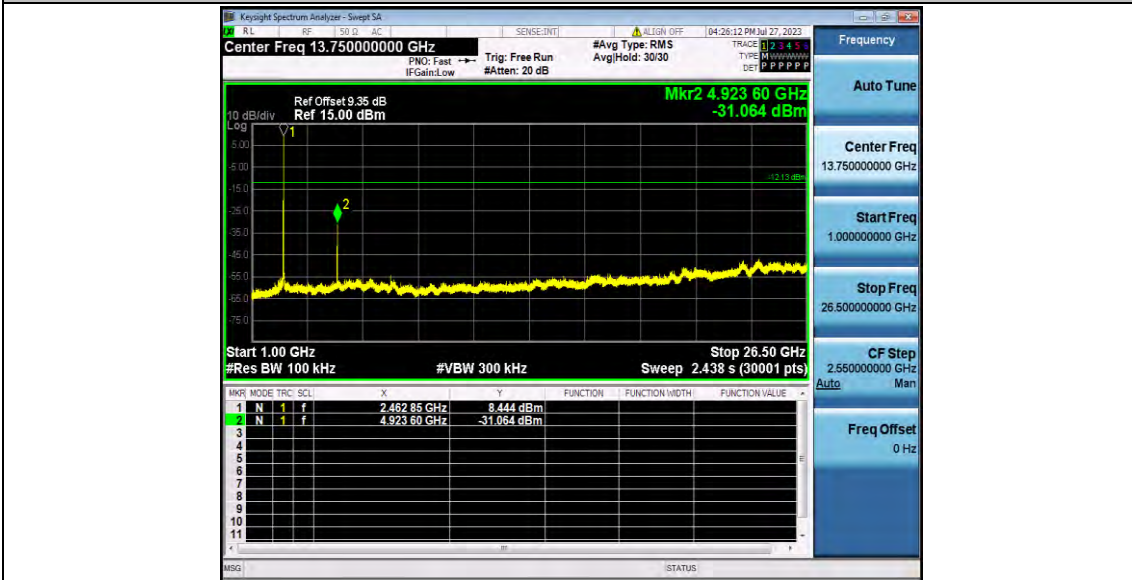
11B_Ant0_2437_1000~26500



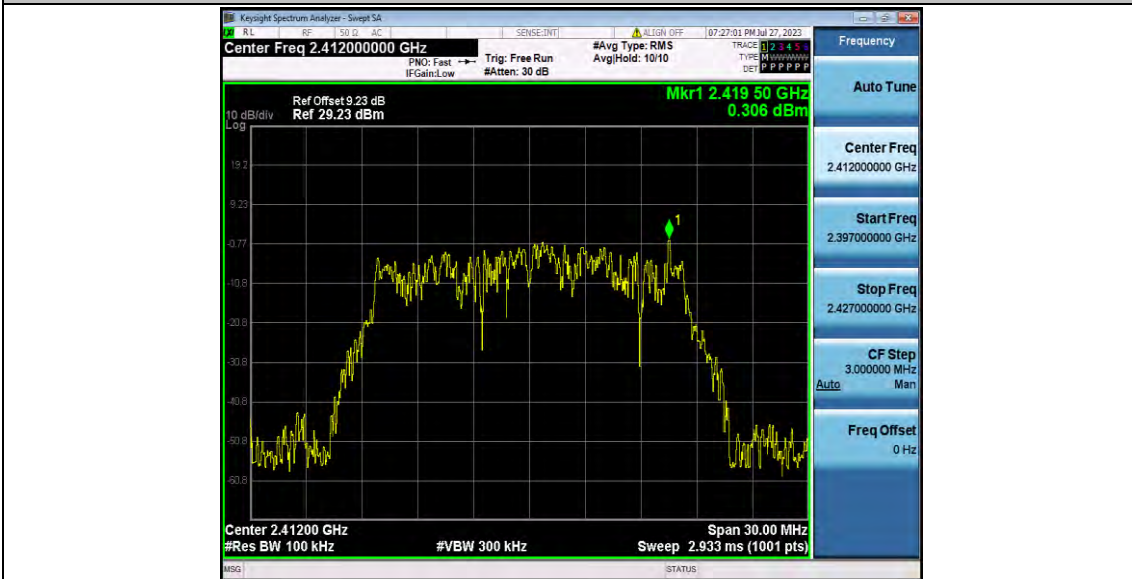
11B_Ant0_2462_0~Reference



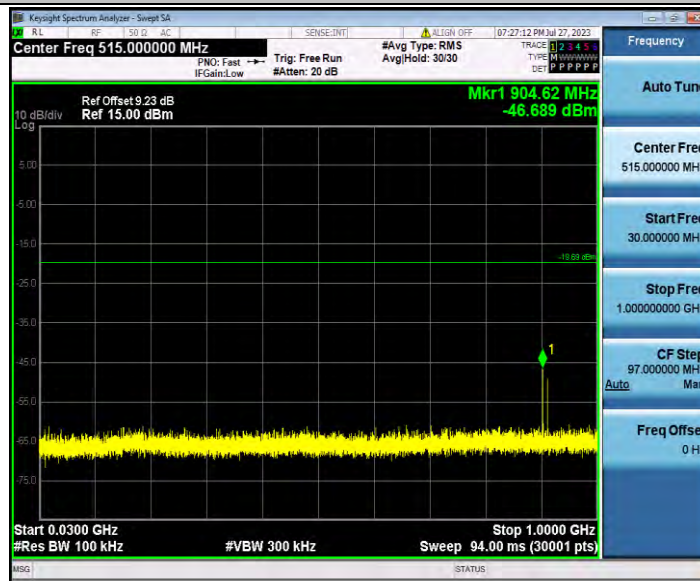
11B_Ant0_2462_30~1000



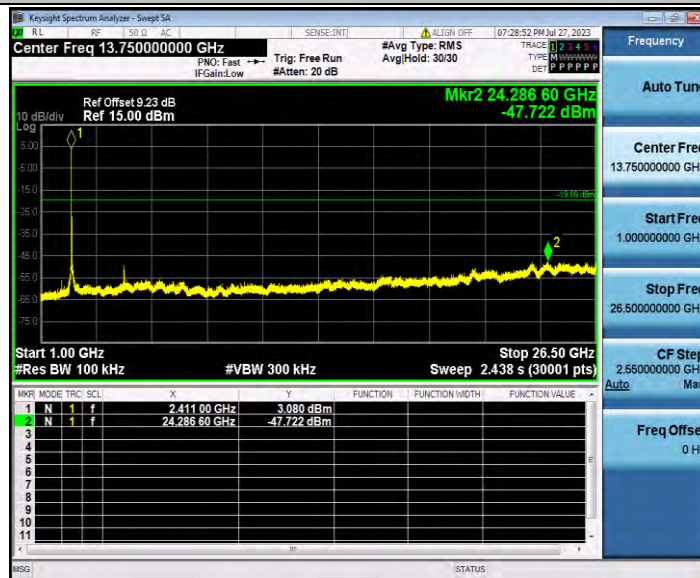
11B_Ant0_2462_1000~26500



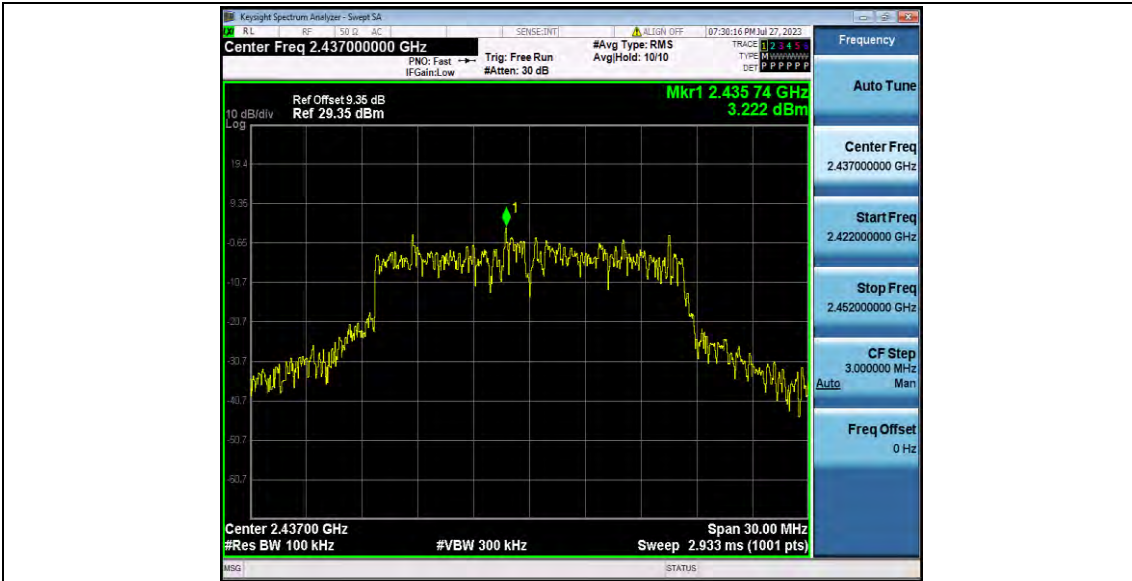
11G_Ant0_2412_0~Reference



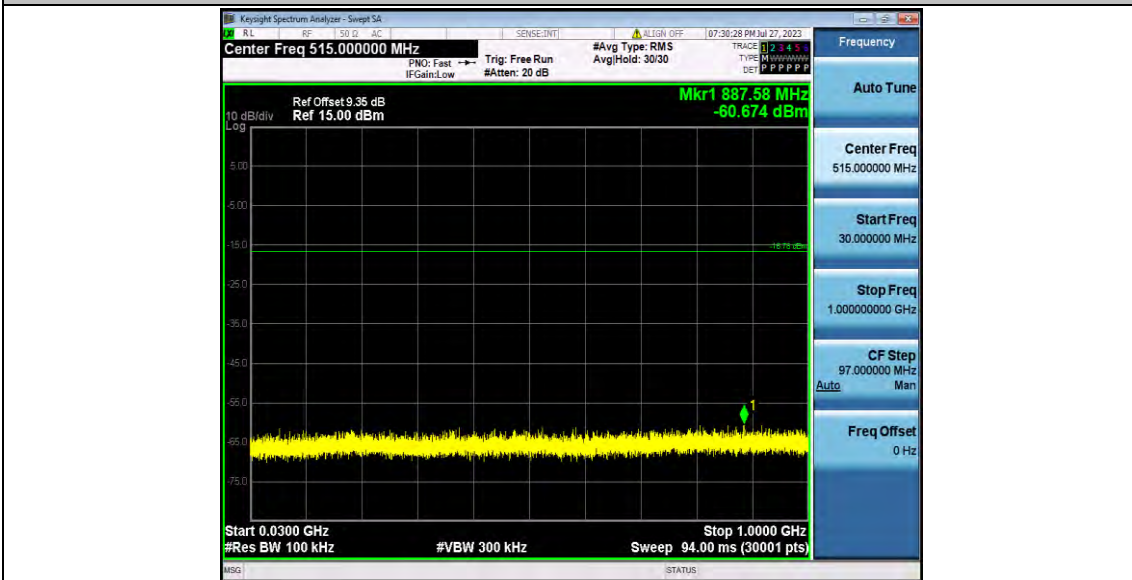
11G_Ant0_2412_30~1000



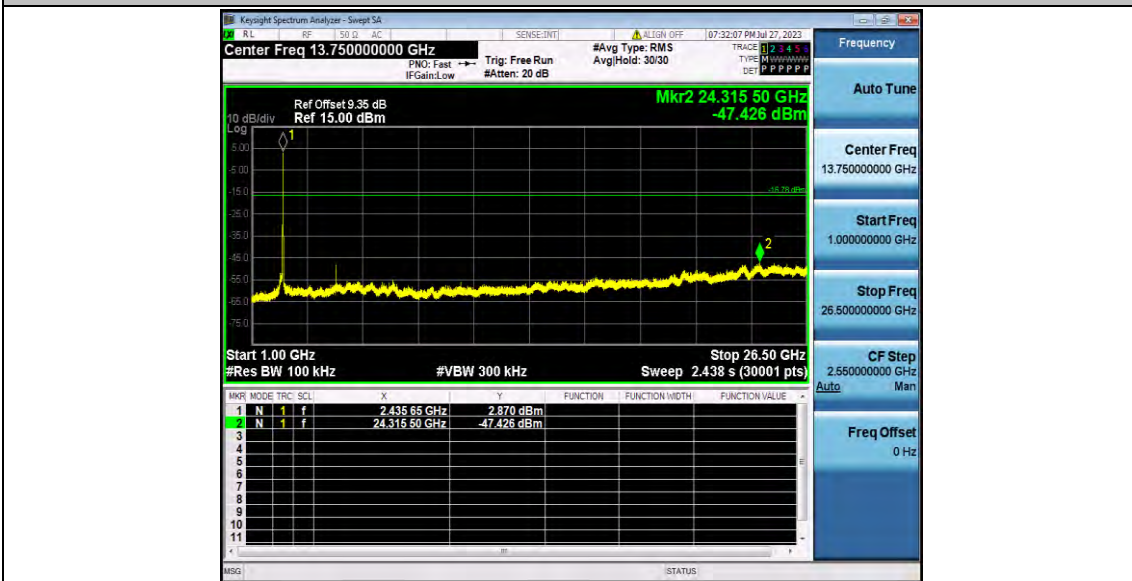
11G_Ant0_2412_1000~26500



11G_Ant0_2437_0~Reference



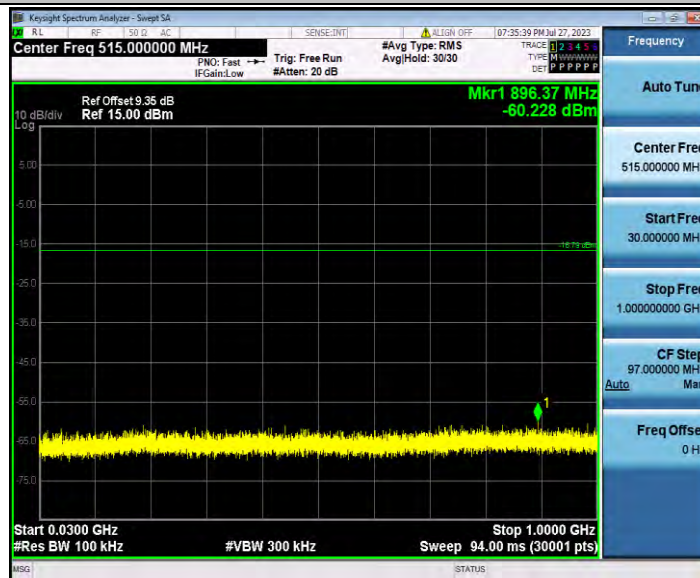
11G_Ant0_2437_30~1000



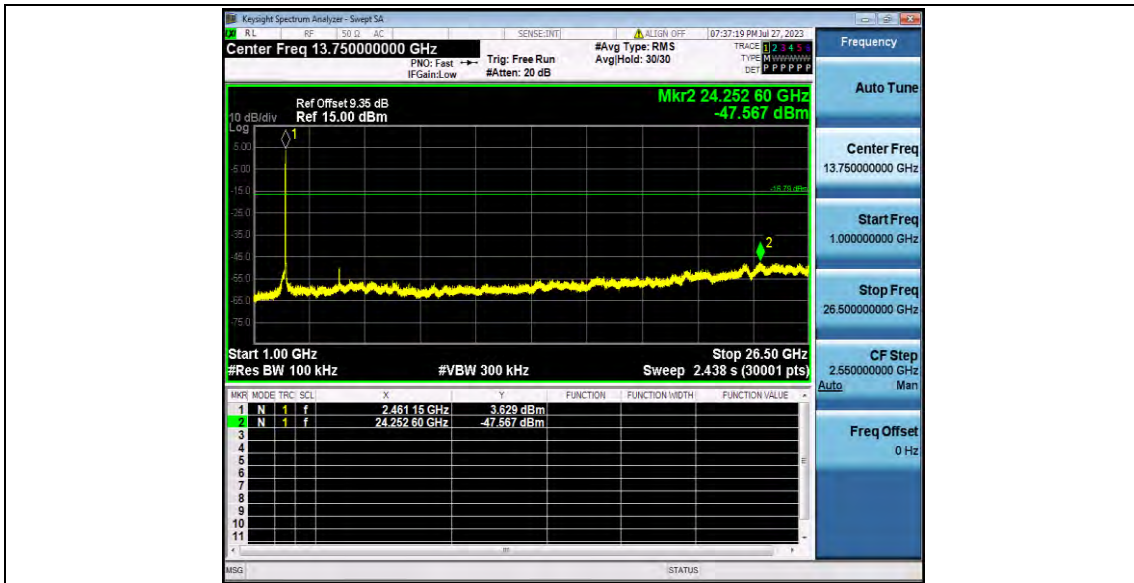
11G_Ant0_2437_1000~26500



11G_Ant0_2462_0~Reference



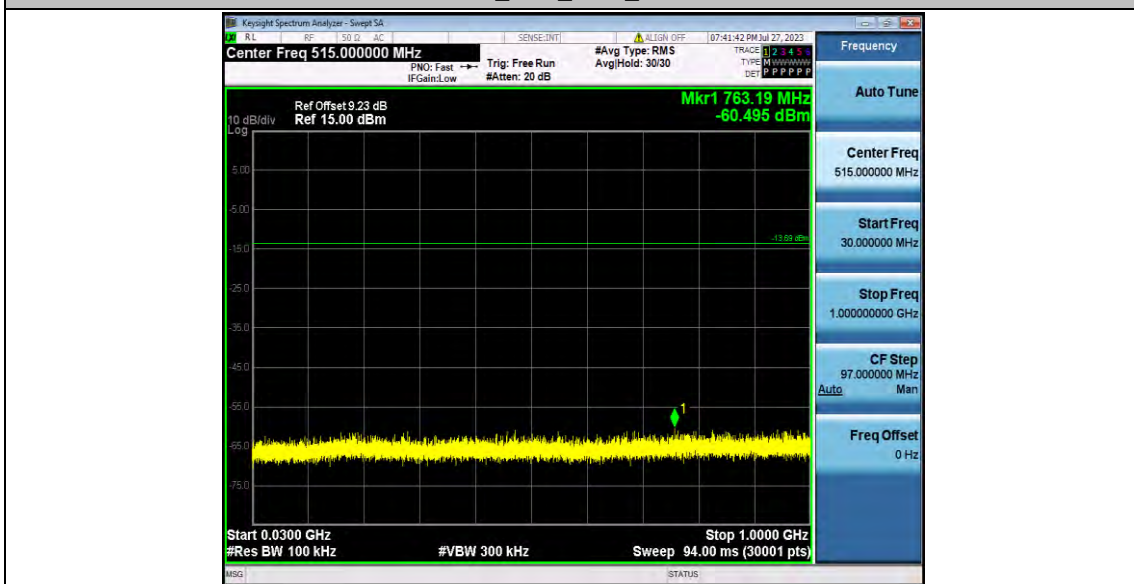
11G_Ant0_2462_30~1000



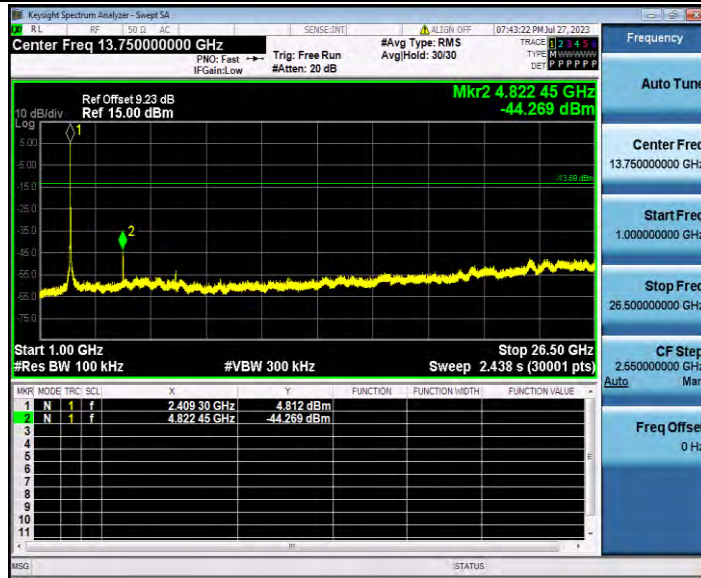
11G_Ant0_2462_1000~26500



11N20SISO_Ant0_2412_0~Reference



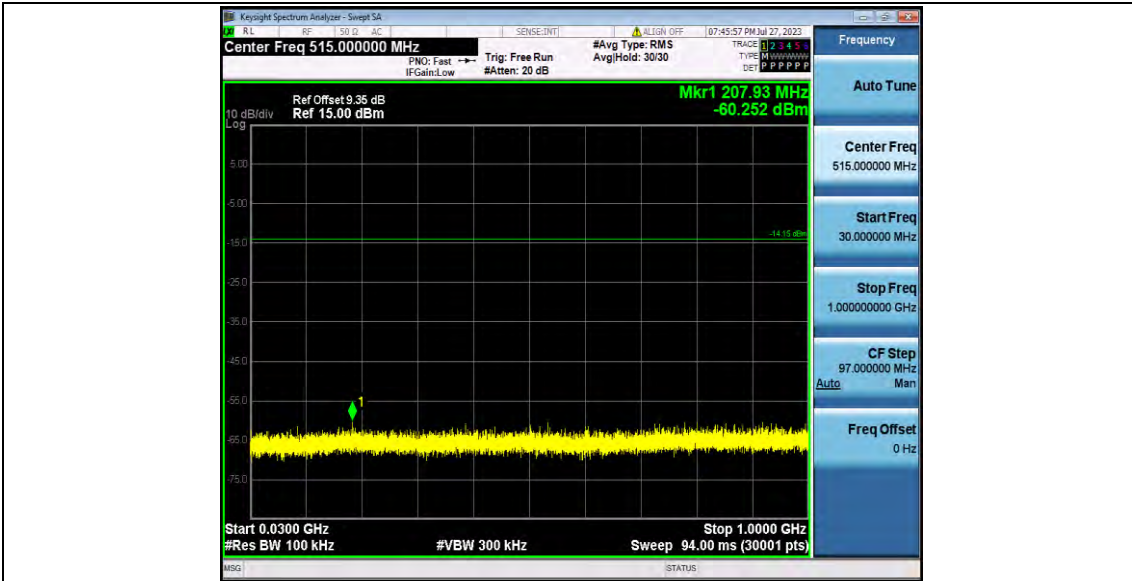
11N20SISO_Ant0_2412_30~1000



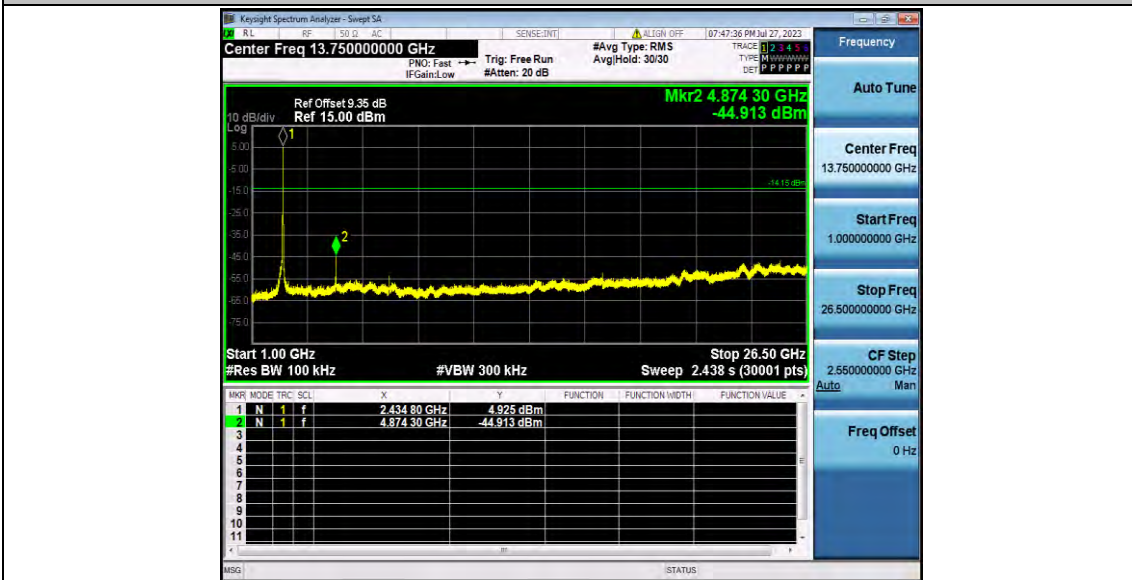
11N20SISO_Ant0_2412_1000~26500



11N20SISO_Ant0_2437_0~Reference



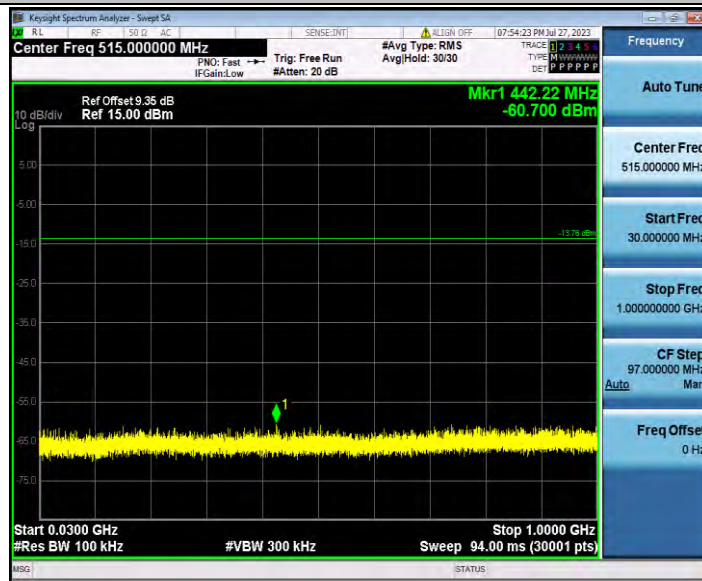
11N20SISO_Ant0_2437_30~1000



11N20SISO_Ant0_2437_1000~26500



11N20SISO_Ant0_2462_0~Reference



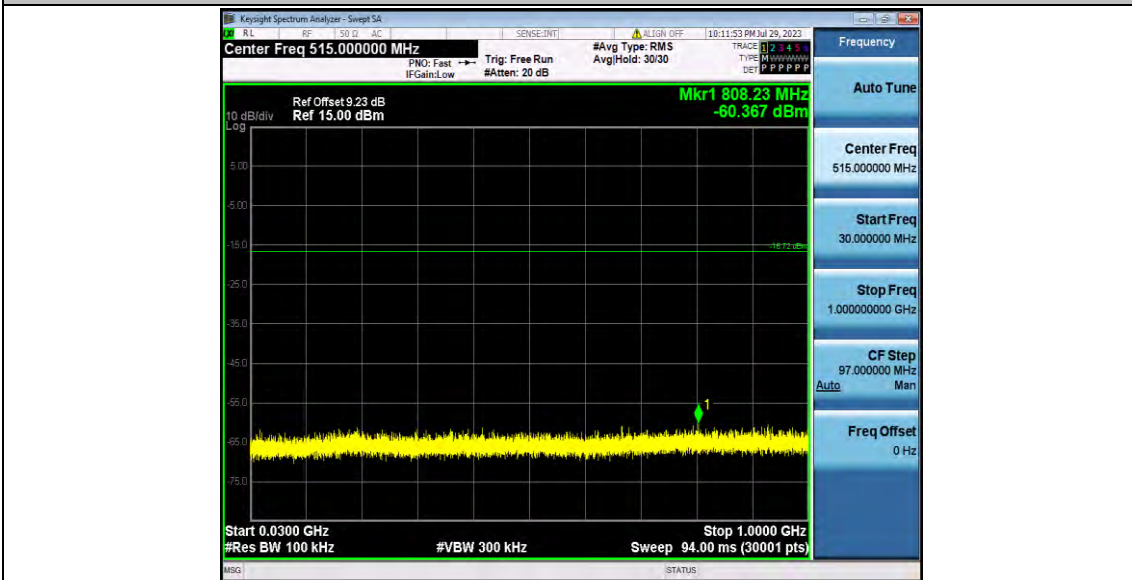
11N20SISO_Ant0_2462_30~1000



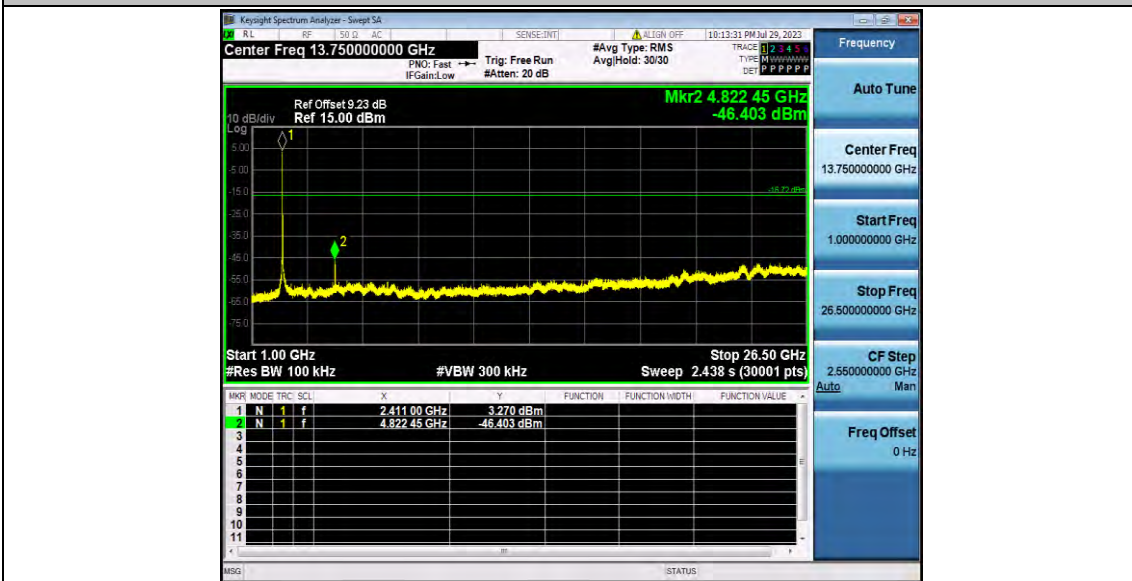
11N20SISO_Ant0_2462_1000~26500



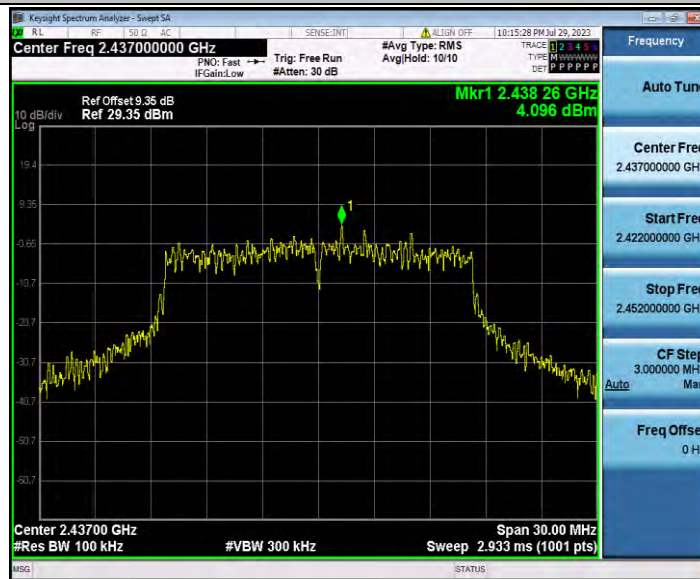
11AX20SISO_Ant0_2412_0~Reference



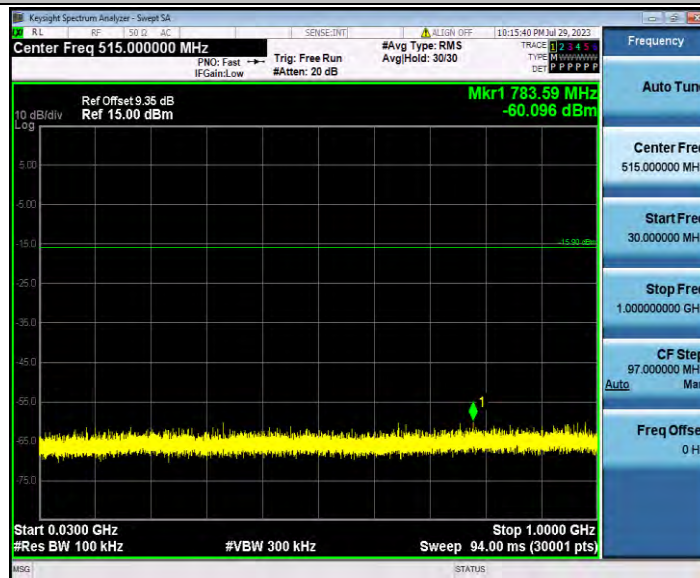
11AX20SISO_Ant0_2412_30~1000



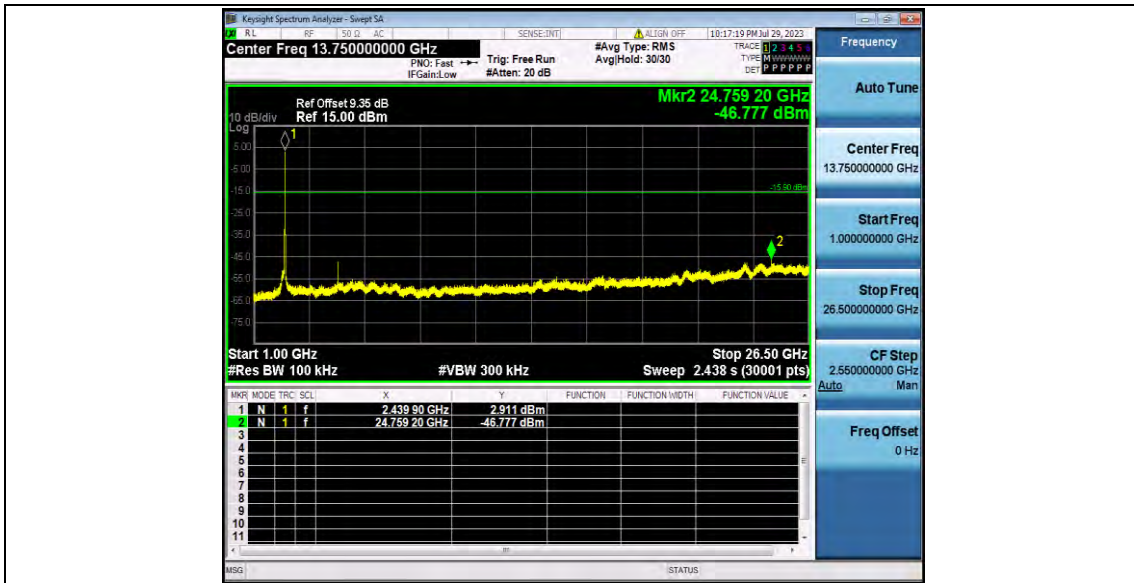
11AX20SISO_Ant0_2412_1000~26500



11AX20SISO_Ant0_2437_0~Reference



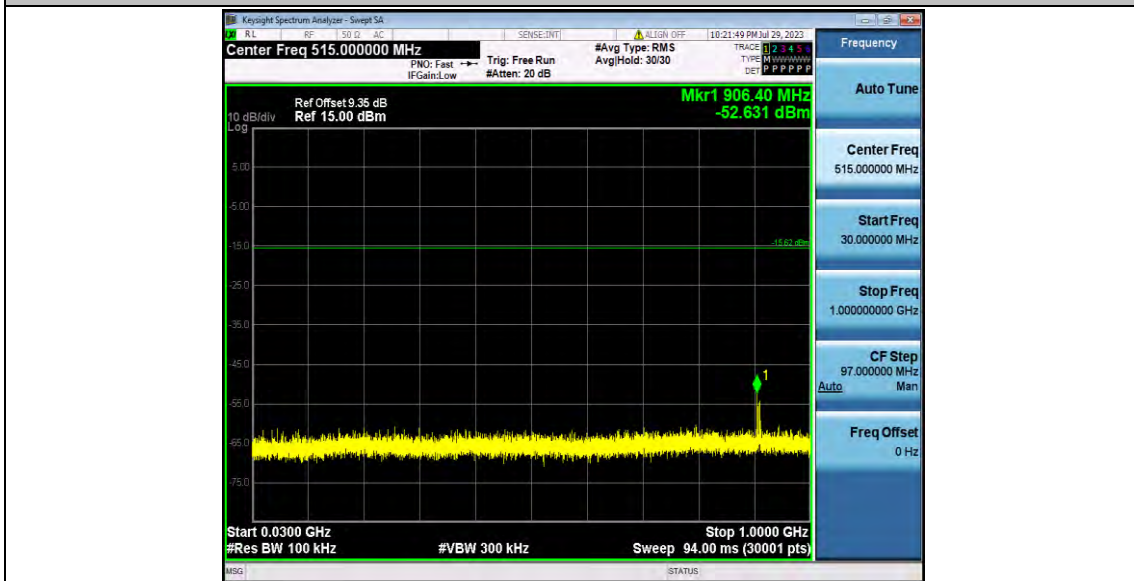
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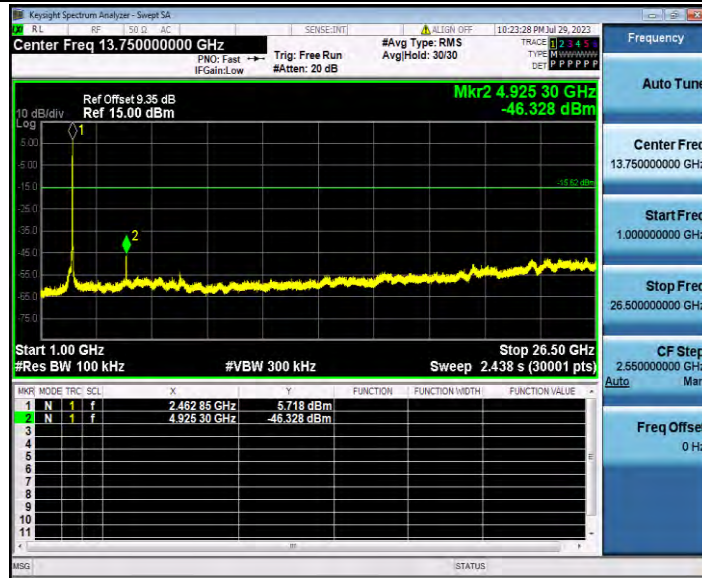
11AX20SISO_Ant0_2437_1000~26500



11AX20SISO_Ant0_2462_0~Reference



11AX20SISO_Ant0_2462_30~1000



11AX20SISO_Ant0_2462_1000~26500