

Case No. : <u>GTS20230525016-1-10</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.6.12</u> Test Engineer: <u>Jenny zeng</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	9.800	2407.240	2417.040	0.5	PASS
		2437	9.040	2432.440	2441.480	0.5	PASS
		2462	9.240	2457.320	2466.560	0.5	PASS
11G	Ant1	2412	14.440	2404.440	2418.880	0.5	PASS
		2437	13.800	2430.760	2444.560	0.5	PASS
		2462	13.560	2454.440	2468.000	0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.480	2420.760	0.5	PASS
		2437	15.080	2429.440	2444.520	0.5	PASS
		2462	13.200	2456.280	2469.480	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	33.840	2420.680	2454.520	0.5	PASS
		2452	33.680	2434.560	2468.240	0.5	PASS

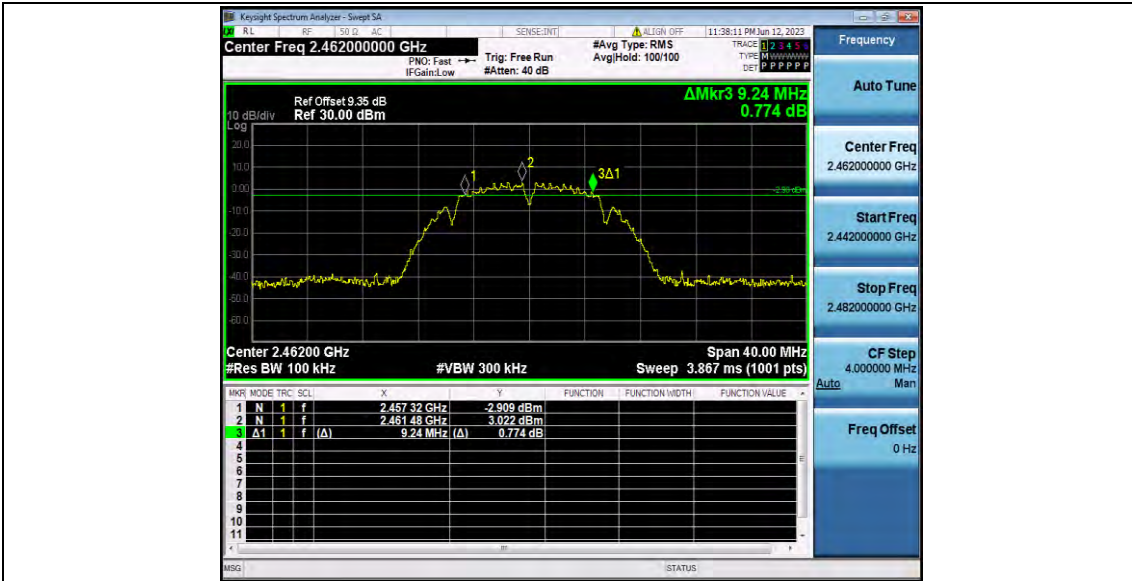
Test Graphs



11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



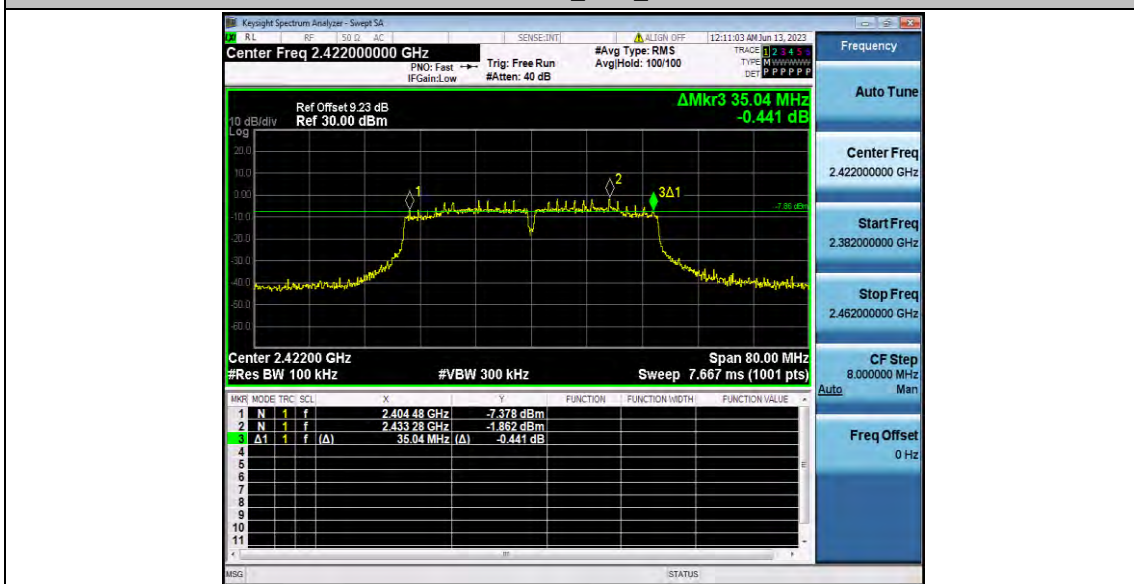
11N20SISO_Ant1_2412



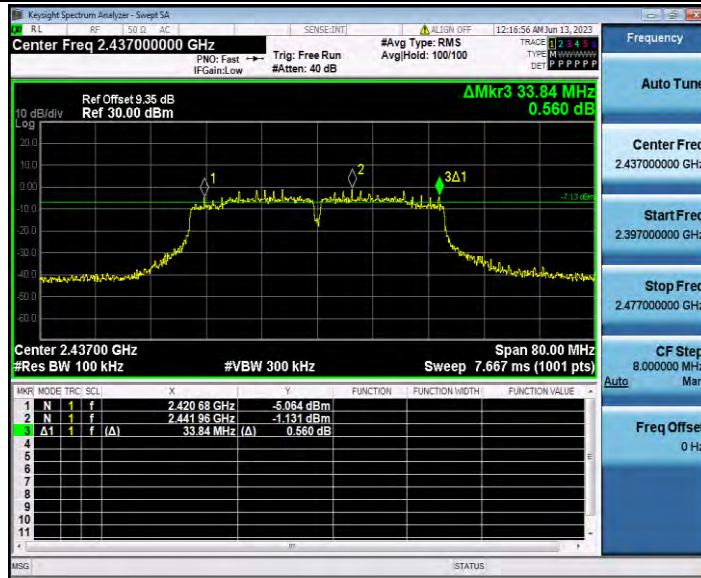
11N20SISO_Ant1_2437



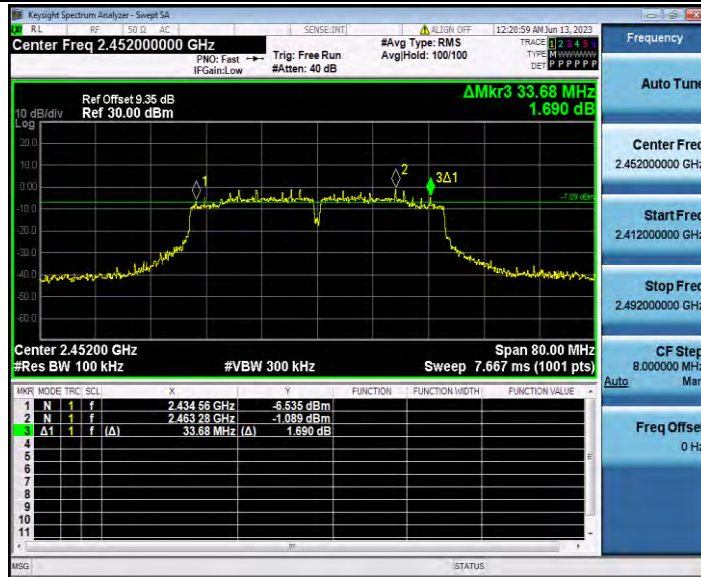
11N20SISO_Ant1_2462



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	12.771	2405.657	2418.428	---	---
		2437	12.874	2430.594	2443.468	---	---
		2462	12.821	2455.568	2468.389	---	---
11G	Ant1	2412	16.824	2403.645	2420.469	---	---
		2437	16.836	2428.599	2445.435	---	---
		2462	16.728	2453.587	2470.315	---	---
11N20SISO	Ant1	2412	17.924	2403.082	2421.006	---	---
		2437	17.941	2428.067	2446.008	---	---
		2462	17.879	2453.042	2470.921	---	---
11N40SISO	Ant1	2422	36.204	2403.992	2440.196	---	---
		2437	36.217	2419.013	2455.230	---	---
		2452	36.149	2433.937	2470.086	---	---

Test Graphs



11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



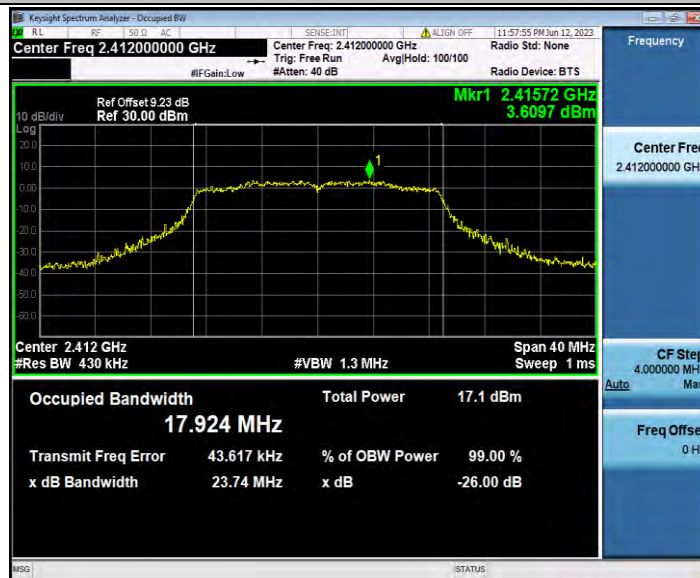
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



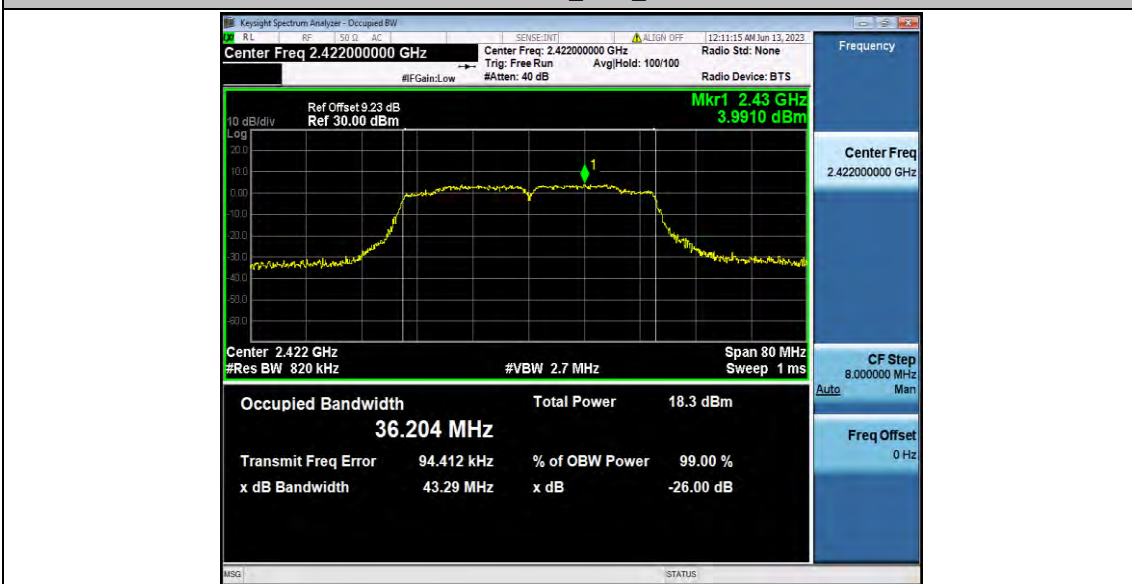
11N20SISO_Ant1_2412



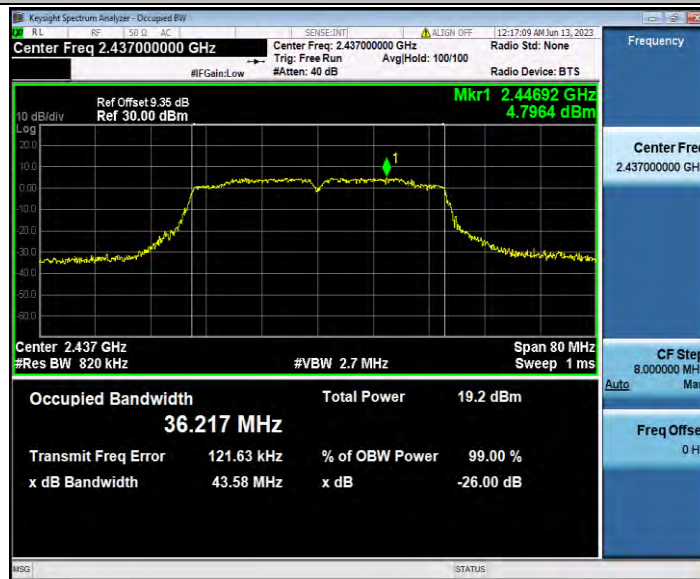
11N20SISO_Ant1_2437



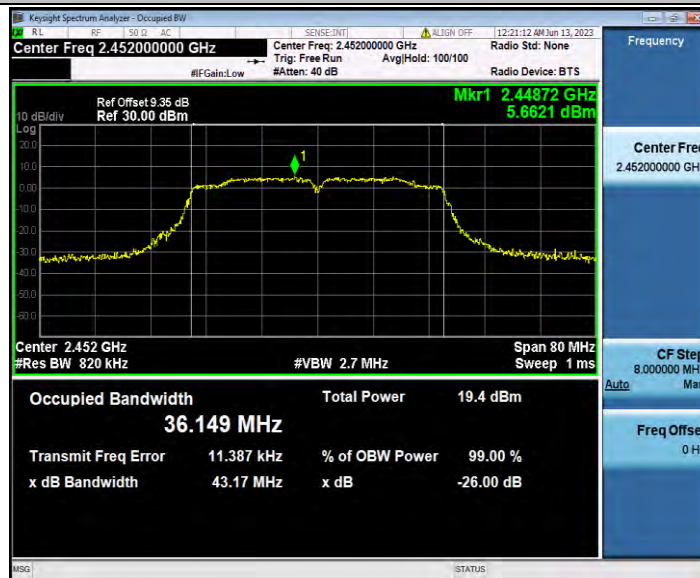
11N20SISO_Ant1_2462



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	14.84	≤30.00	PASS
		2437	15.46	≤30.00	PASS
		2462	16.09	≤30.00	PASS
11G	Ant1	2412	18.33	≤30.00	PASS
		2437	19.05	≤30.00	PASS
		2462	19.74	≤30.00	PASS
11N20SISO	Ant1	2412	18.33	≤30.00	PASS
		2437	19.02	≤30.00	PASS
		2462	19.73	≤30.00	PASS
11N40SISO	Ant1	2422	18.52	≤30.00	PASS
		2437	19.51	≤30.00	PASS
		2452	19.77	≤30.00	PASS

Appendix C.4: Maximum power spectral density

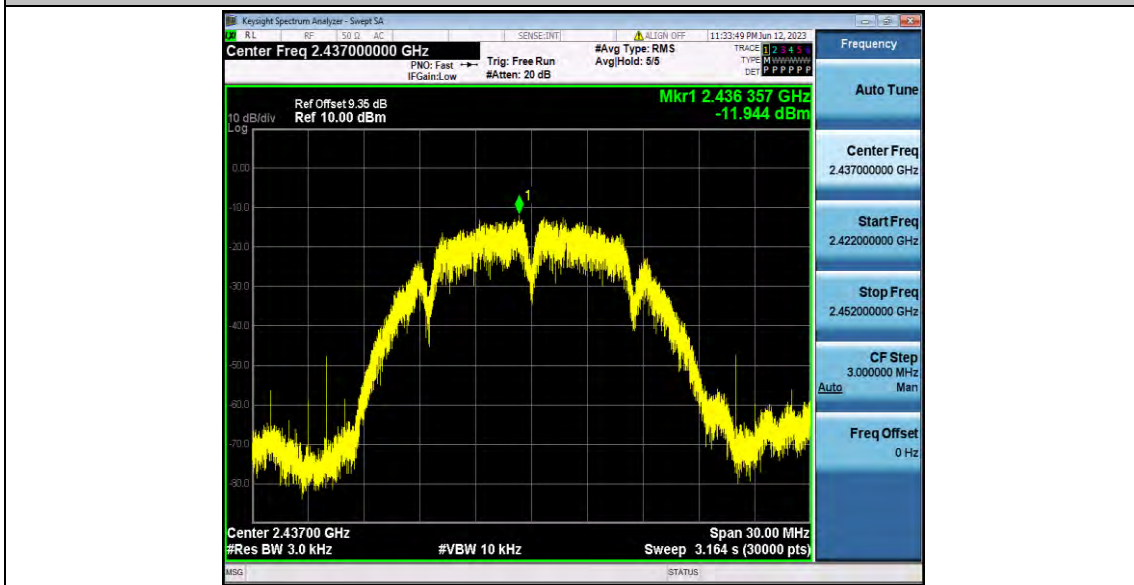
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.04	≤8.00	PASS
		2437	-11.94	≤8.00	PASS
		2462	-11.55	≤8.00	PASS
11G	Ant1	2412	-14.52	≤8.00	PASS
		2437	-13.53	≤8.00	PASS
		2462	-11.28	≤8.00	PASS
11N20SISO	Ant1	2412	-14.19	≤8.00	PASS
		2437	-12.72	≤8.00	PASS
		2462	-12.98	≤8.00	PASS
11N40SISO	Ant1	2422	-16.7	≤8.00	PASS
		2437	-15.88	≤8.00	PASS
		2452	-15.6	≤8.00	PASS

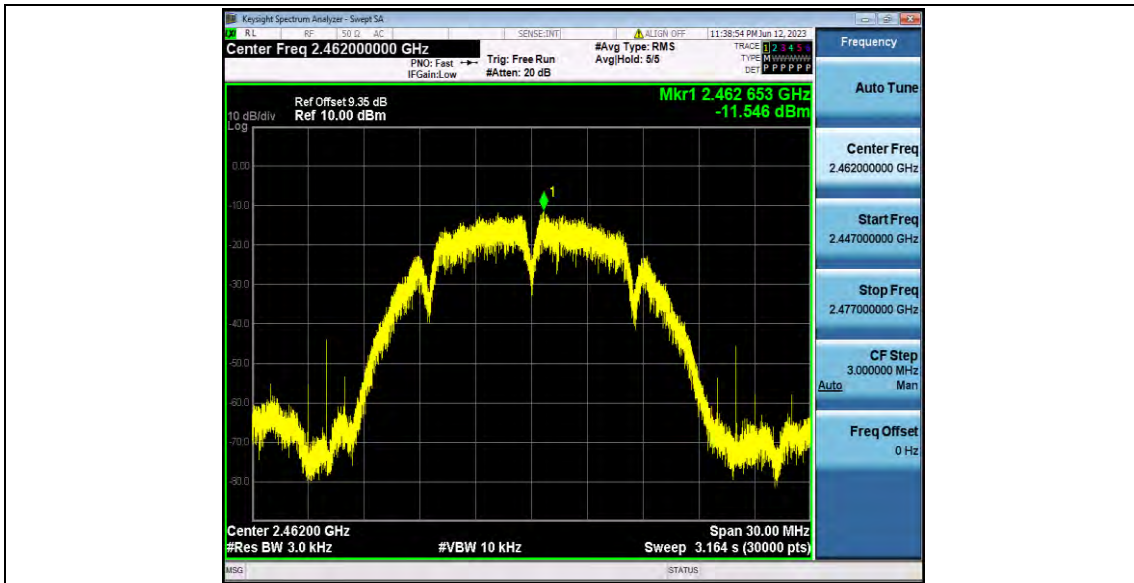
Test Graphs



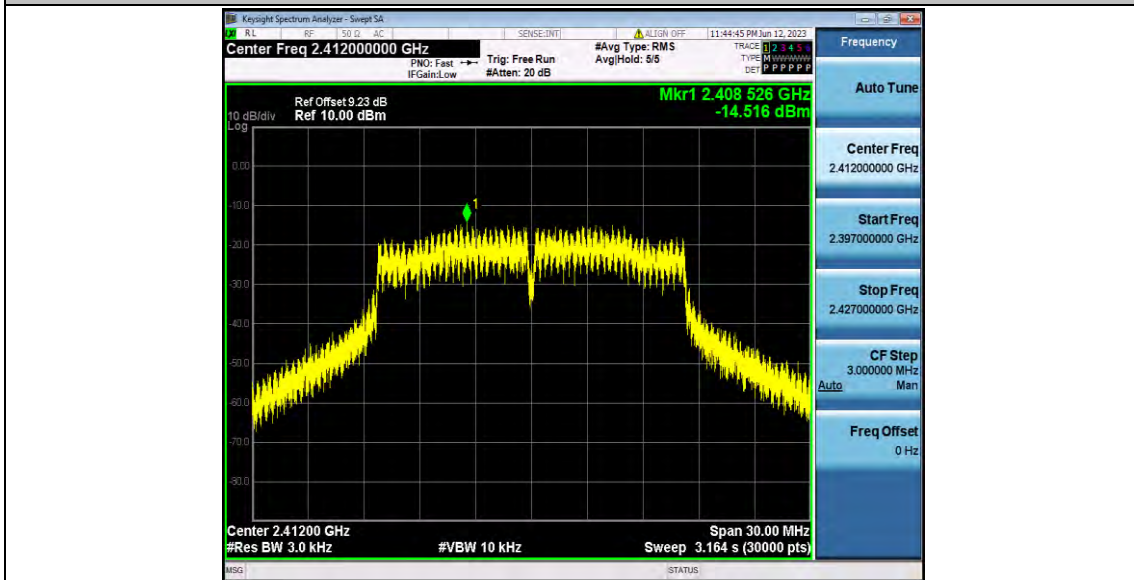
11B_Ant1_2412



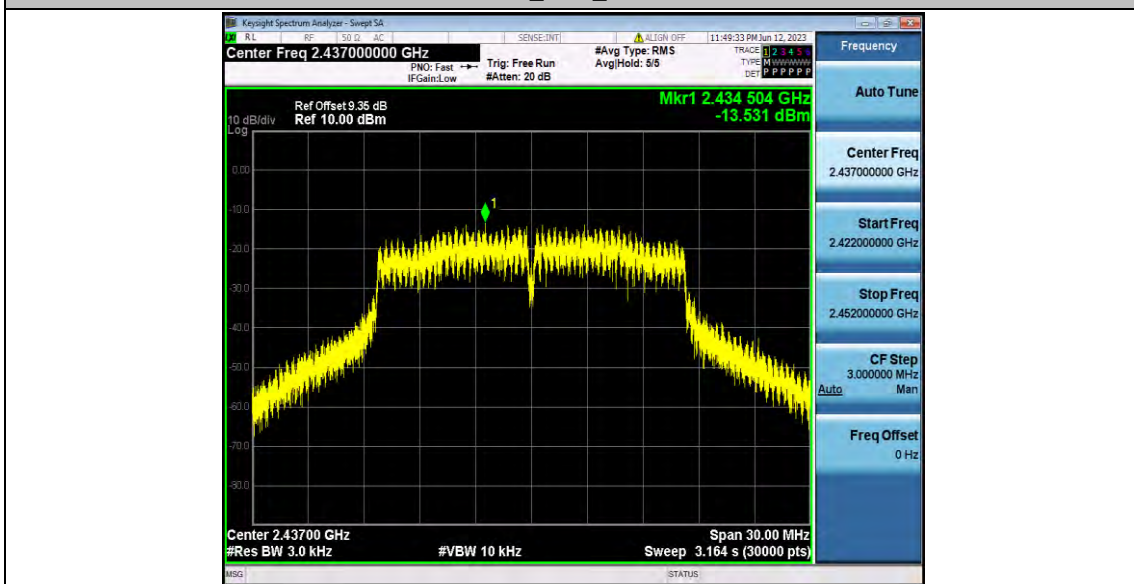
11B_Ant1_2437



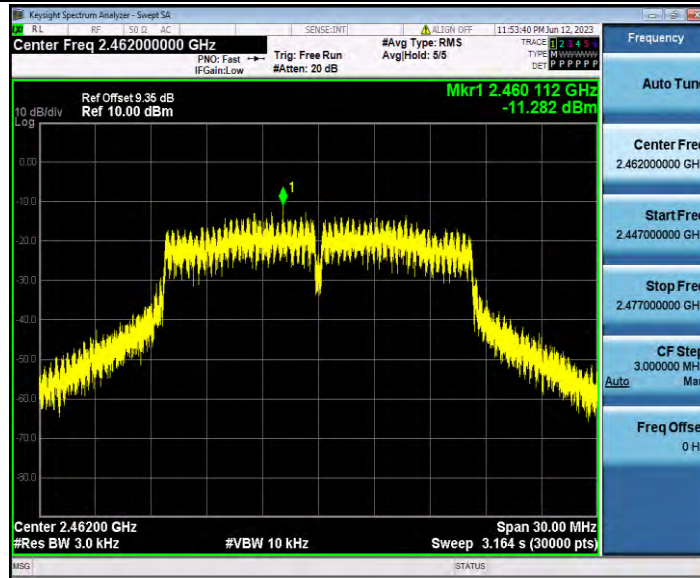
11B_Ant1_2462



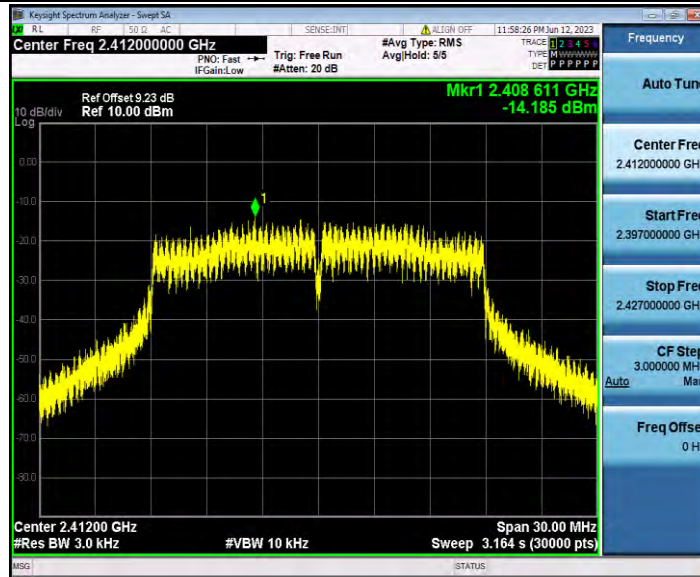
11G_Ant1_2412



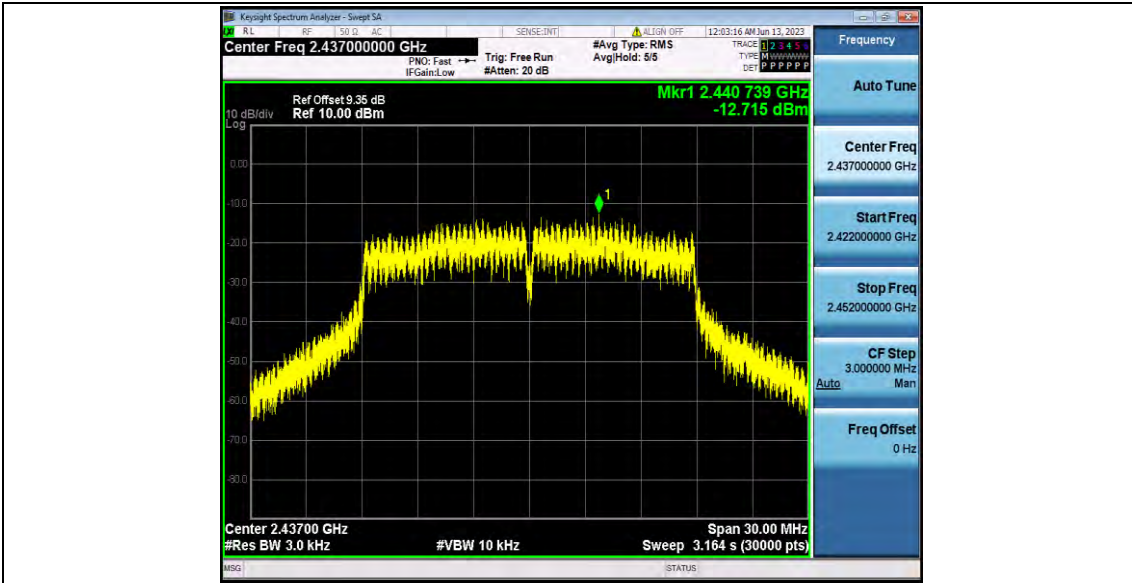
11G_Ant1_2437



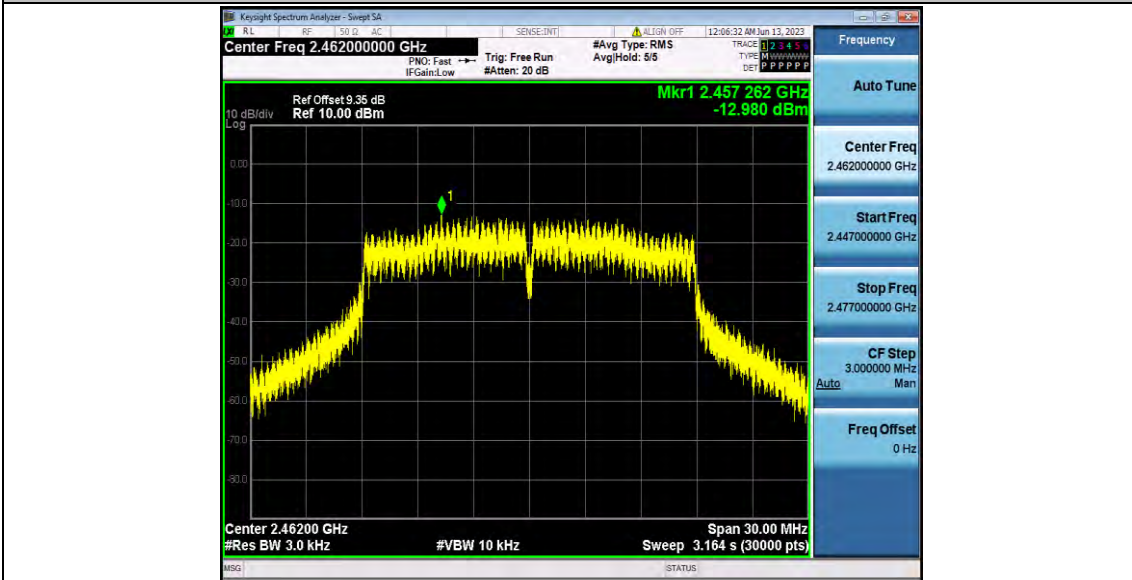
11G_Ant1_2462



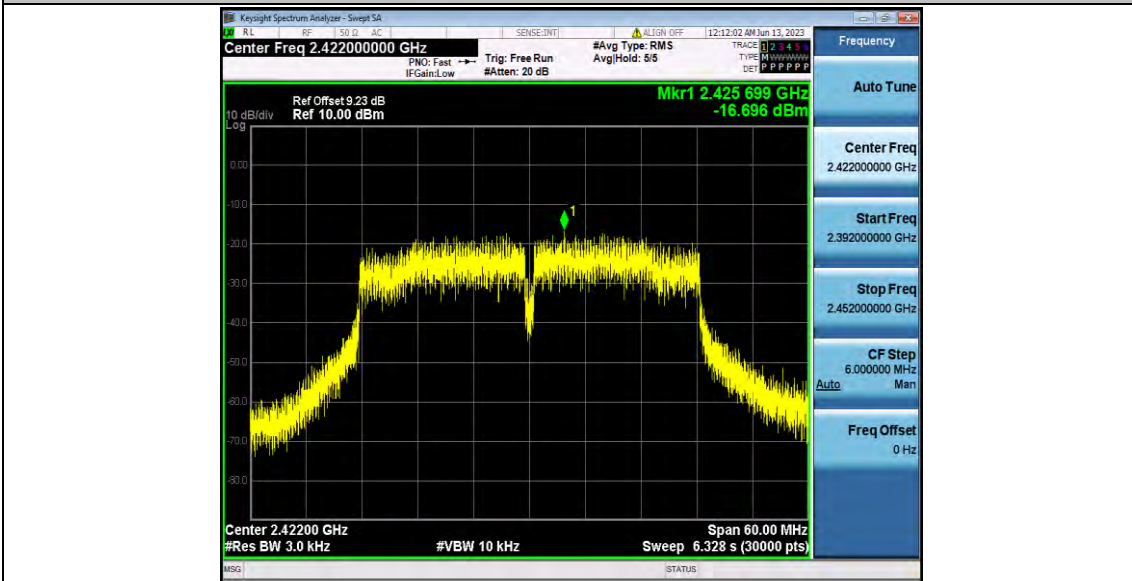
11N20SISO_Ant1_2412



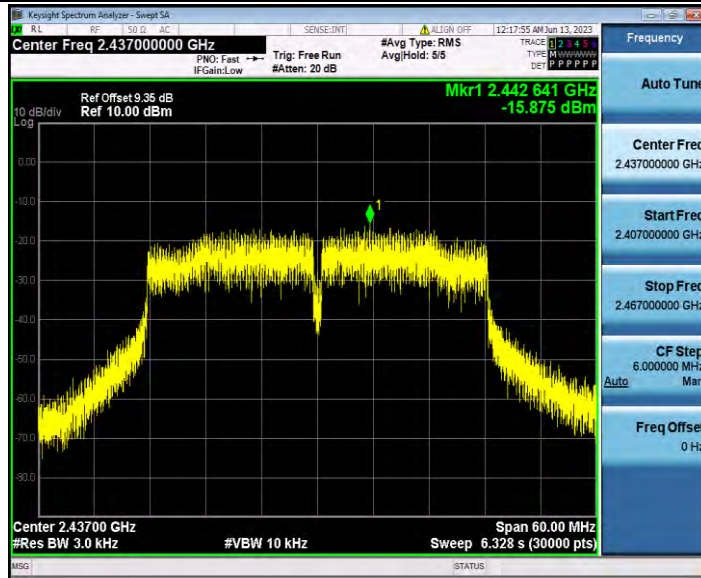
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



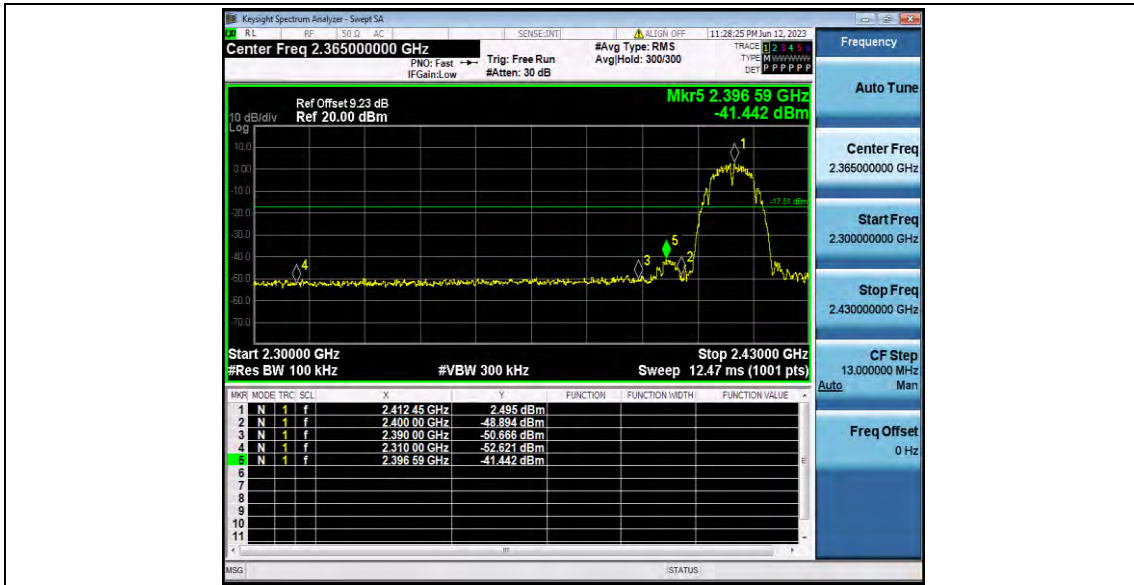
11N40SISO_Ant1_2452

Appendix C.5: Band edge measurements

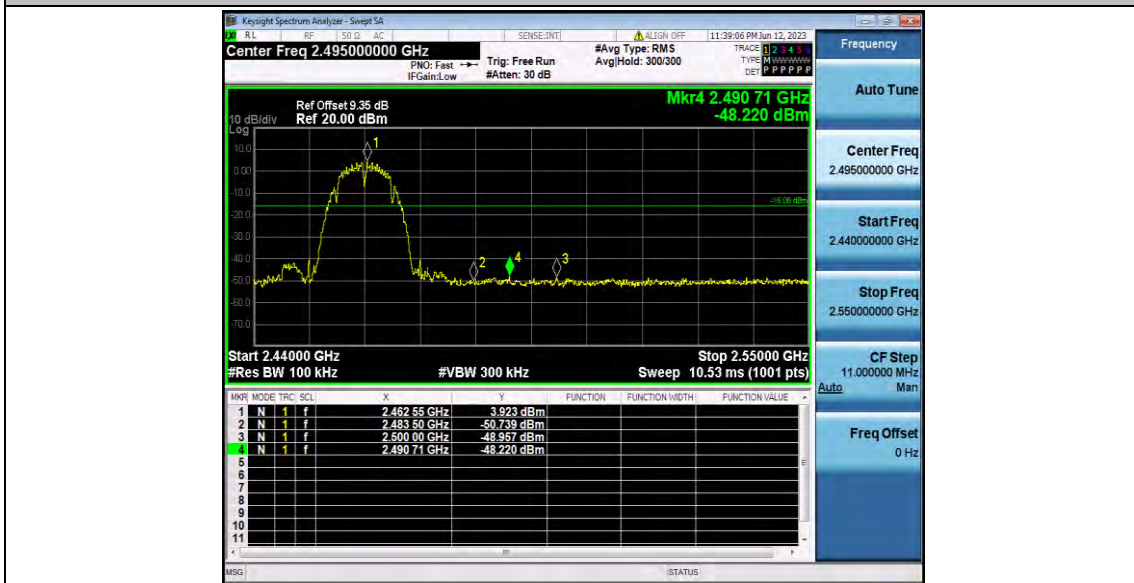
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.50	-41.44	≤-17.51	PASS
		High	2462	3.92	-48.22	≤-16.08	PASS
11G	Ant1	Low	2412	0.70	-29	≤-19.3	PASS
		High	2462	2.18	-46.31	≤-17.82	PASS
11N20SISO	Ant1	Low	2412	1.11	-28.59	≤-18.89	PASS
		High	2462	2.65	-45.04	≤-17.35	PASS
11N40SISO	Ant1	Low	2422	-2.06	-34.71	≤-22.06	PASS
		High	2452	-0.73	-39.09	≤-20.73	PASS

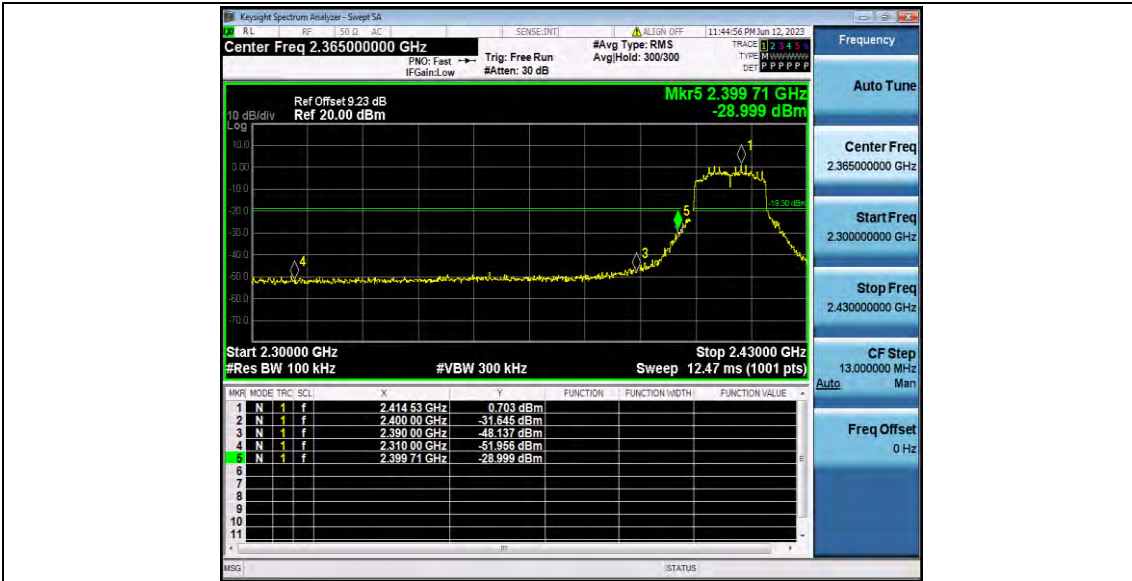
Test Graphs



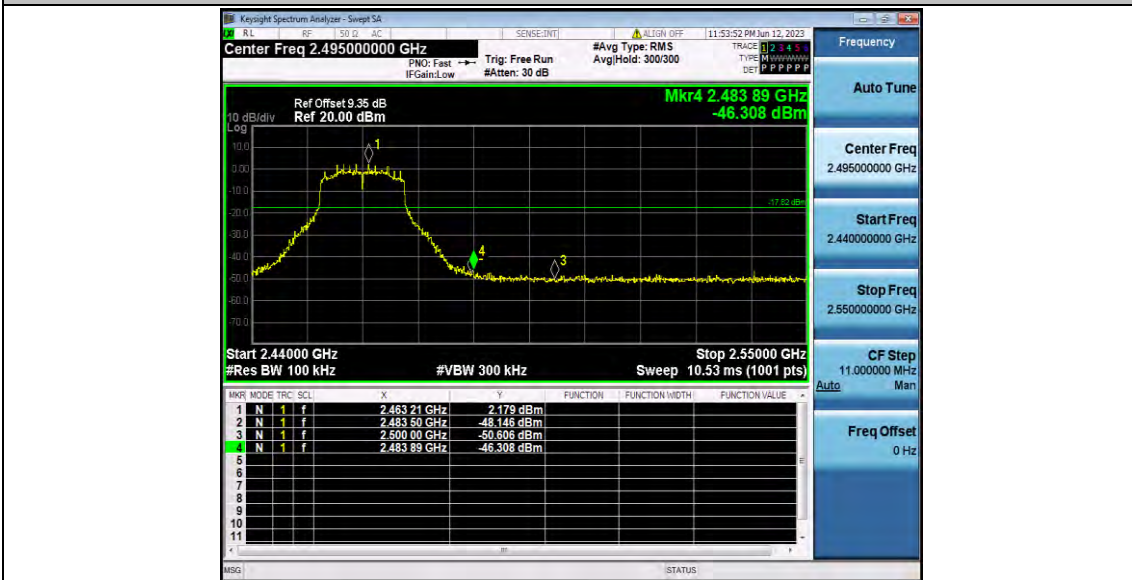
11B_Ant1_Low_2412



11B_Ant1_High_2462



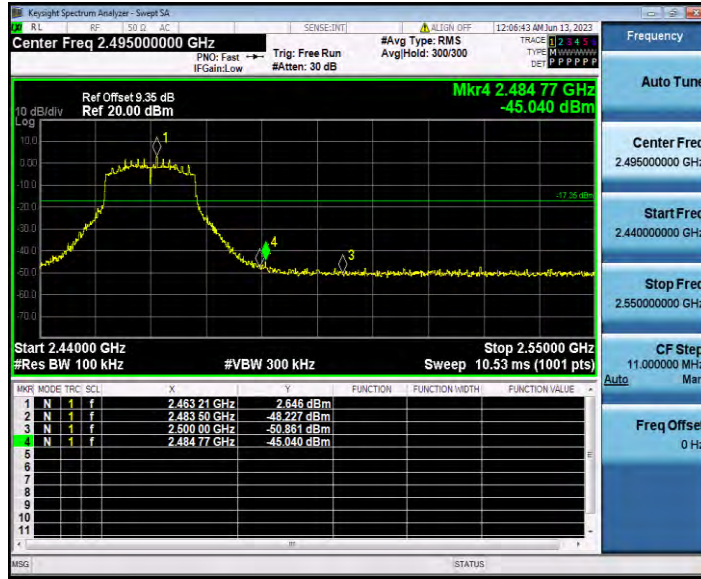
11G_Ant1_Low_2412



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

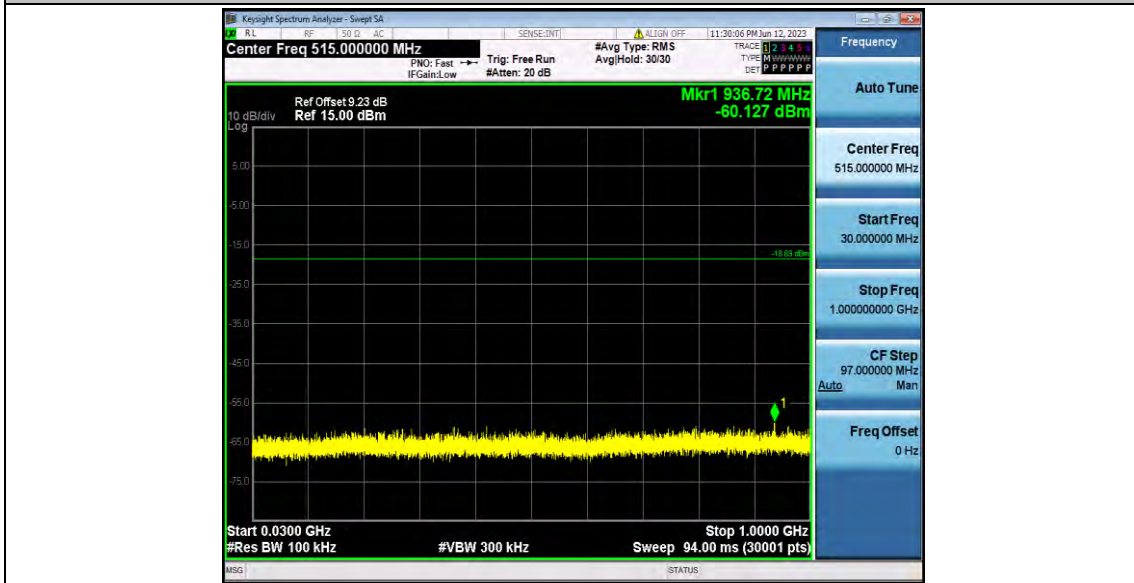
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.31	1.31	---	PASS
			30~1000	1.31	-60.13	≤-18.69	PASS
			1000~26500	1.31	-47.08	≤-18.69	PASS
		2437	Reference	1.61	1.61	---	PASS
			30~1000	1.61	-59.62	≤-18.39	PASS
			1000~26500	1.61	-47.25	≤-18.39	PASS
		2462	Reference	2.69	2.69	---	PASS
			30~1000	2.69	-60.35	≤-17.31	PASS
			1000~26500	2.69	-47.38	≤-17.31	PASS
11G	Ant1	2412	Reference	-2.33	-2.33	---	PASS
			30~1000	-2.33	-59.99	≤-22.33	PASS
			1000~26500	-2.33	-47.48	≤-22.33	PASS
		2437	Reference	1.81	1.81	---	PASS
			30~1000	1.81	-60.83	≤-18.19	PASS
			1000~26500	1.81	-47.42	≤-18.19	PASS
		2462	Reference	-1.78	-1.78	---	PASS
			30~1000	-1.78	-59.94	≤-21.78	PASS
			1000~26500	-1.78	-47.03	≤-21.78	PASS
11N20SISO	Ant1	2412	Reference	-3.06	-3.06	---	PASS
			30~1000	-3.06	-60.32	≤-23.06	PASS
			1000~26500	-3.06	-47.94	≤-23.06	PASS
		2437	Reference	-2.34	-2.34	---	PASS
			30~1000	-2.34	-36.77	≤-22.34	PASS
			1000~26500	-2.34	-46.98	≤-22.34	PASS
		2462	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-59.64	≤-21.03	PASS
			1000~26500	-1.03	-47.8	≤-21.03	PASS
11N40SISO	Ant1	2422	Reference	-5.48	-5.48	---	PASS
			30~1000	-5.48	-45.75	≤-25.48	PASS
			1000~26500	-5.48	-47.62	≤-25.48	PASS
		2437	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-58.48	≤-21.99	PASS
			1000~26500	-1.99	-47.55	≤-21.99	PASS
		2452	Reference	-3.49	-3.49	---	PASS
			30~1000	-3.49	-59.5	≤-23.49	PASS
			1000~26500	-3.49	-47.67	≤-23.49	PASS

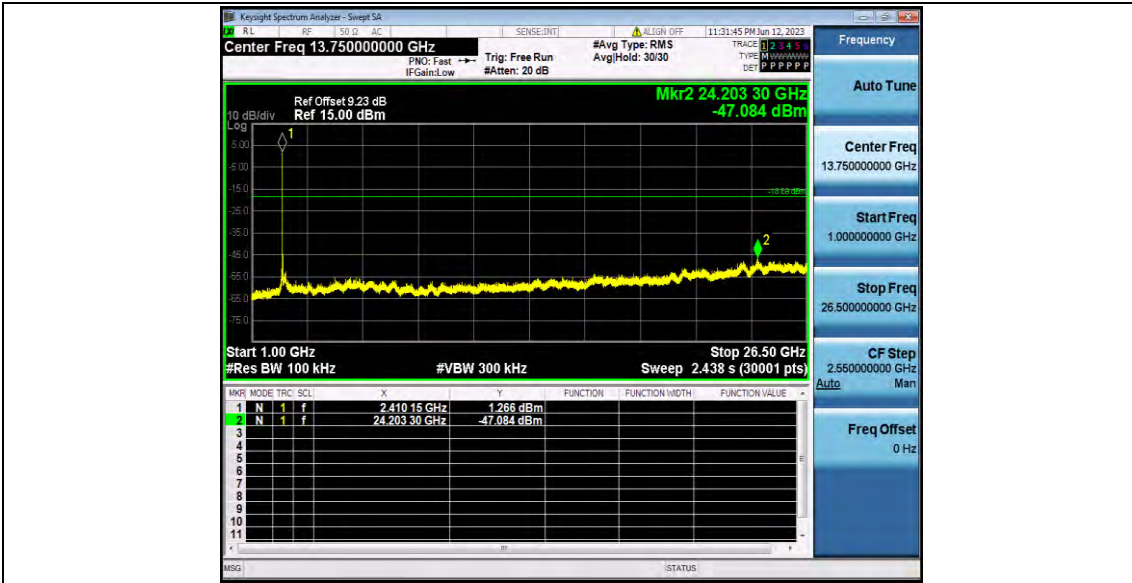
Test Graphs



11B_Ant1_2412_0~Reference



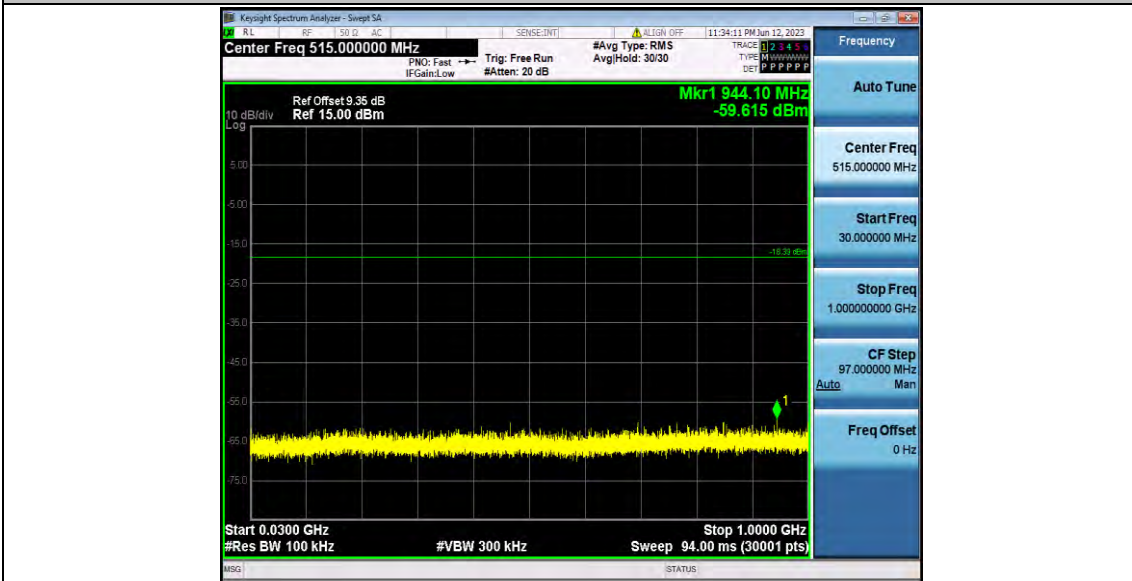
11B_Ant1_2412_30~1000



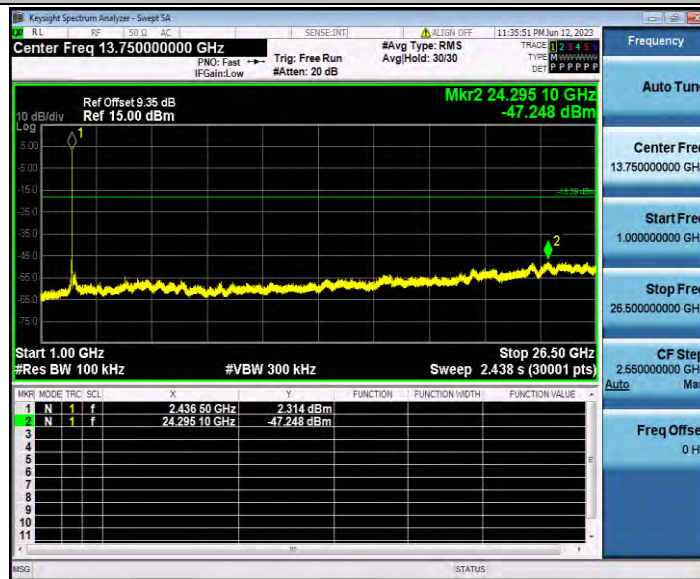
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



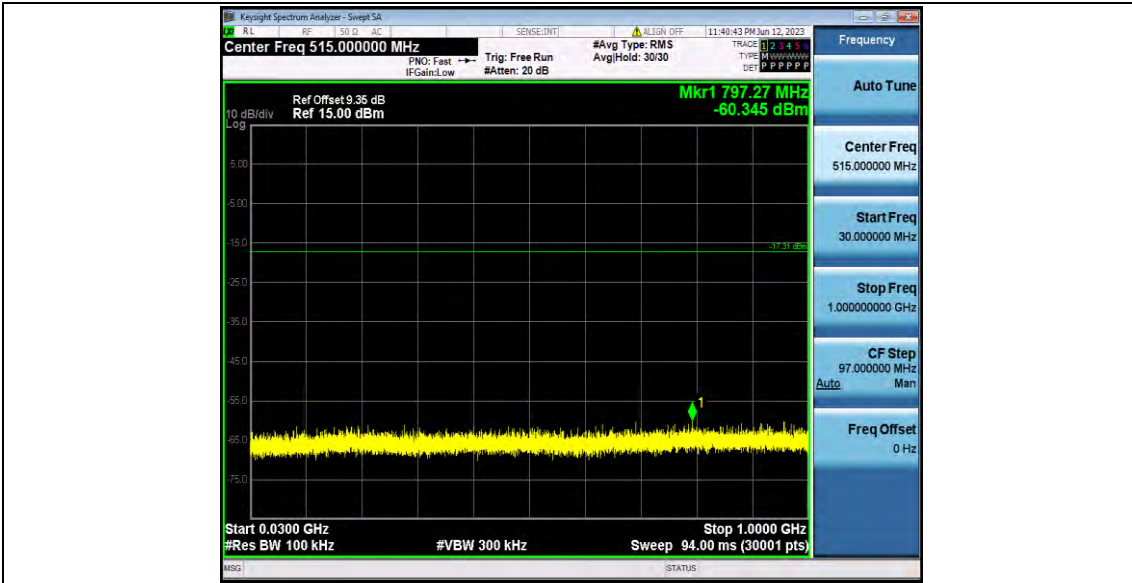
11B_Ant1_2437_30~1000



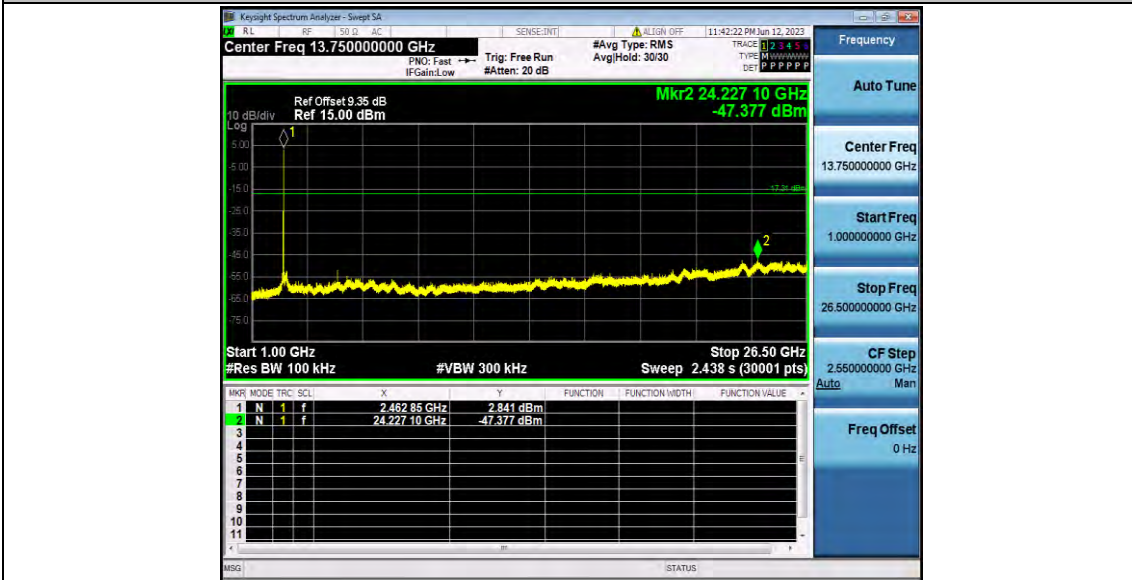
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



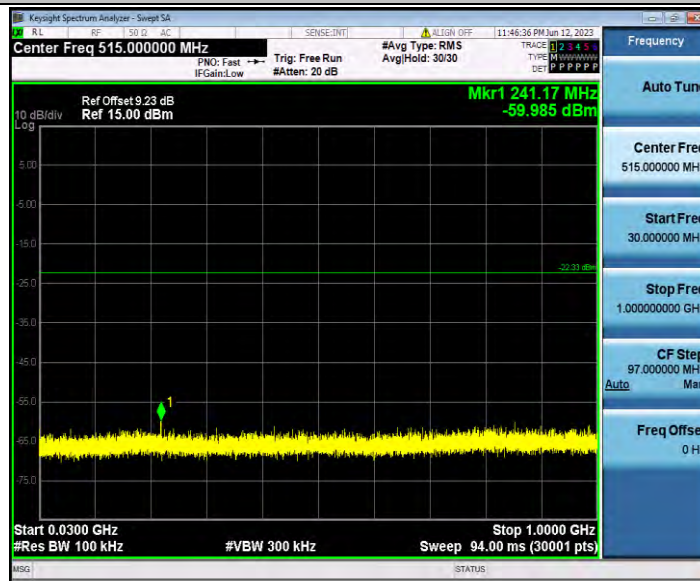
11B_Ant1_2462_30~1000



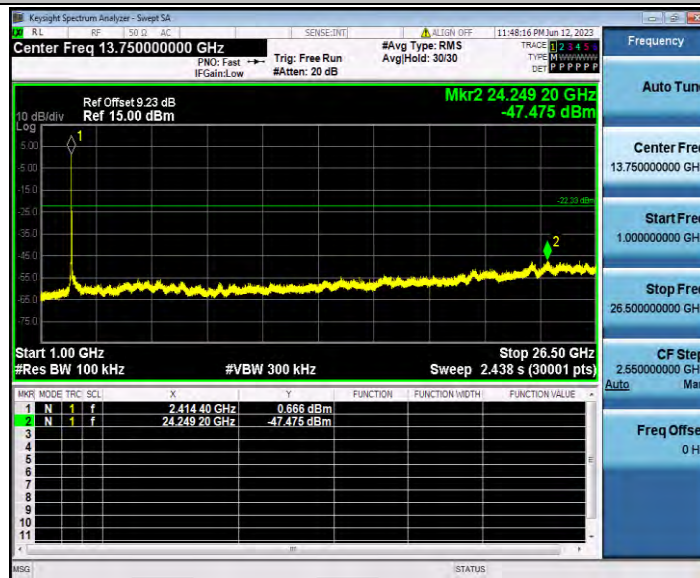
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



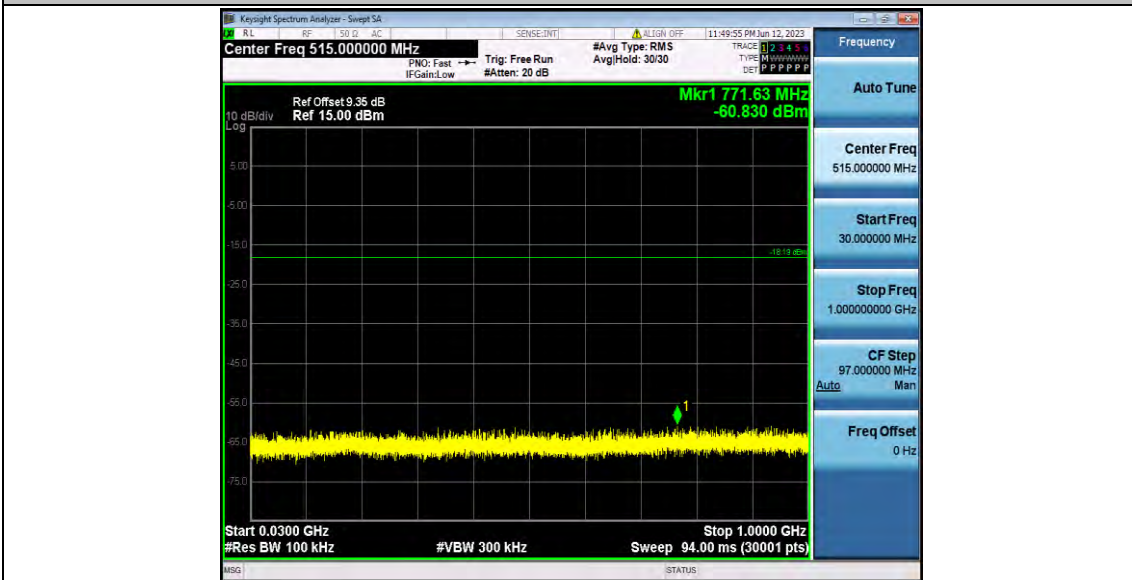
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



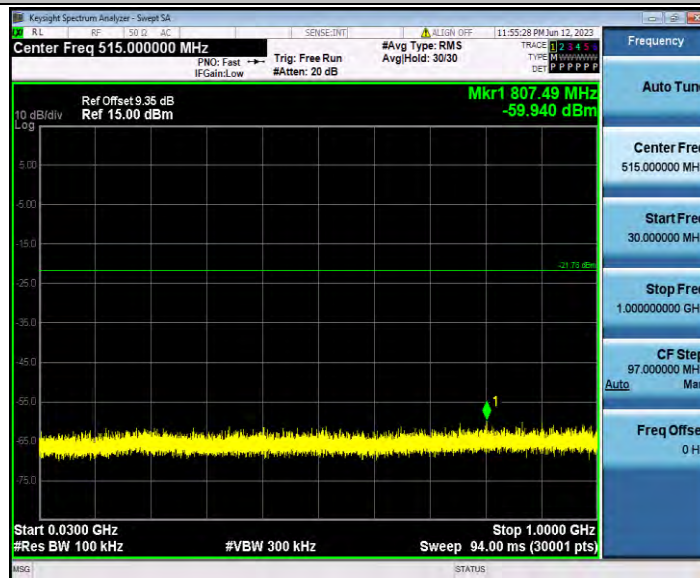
11G_Ant1_2437_30~1000



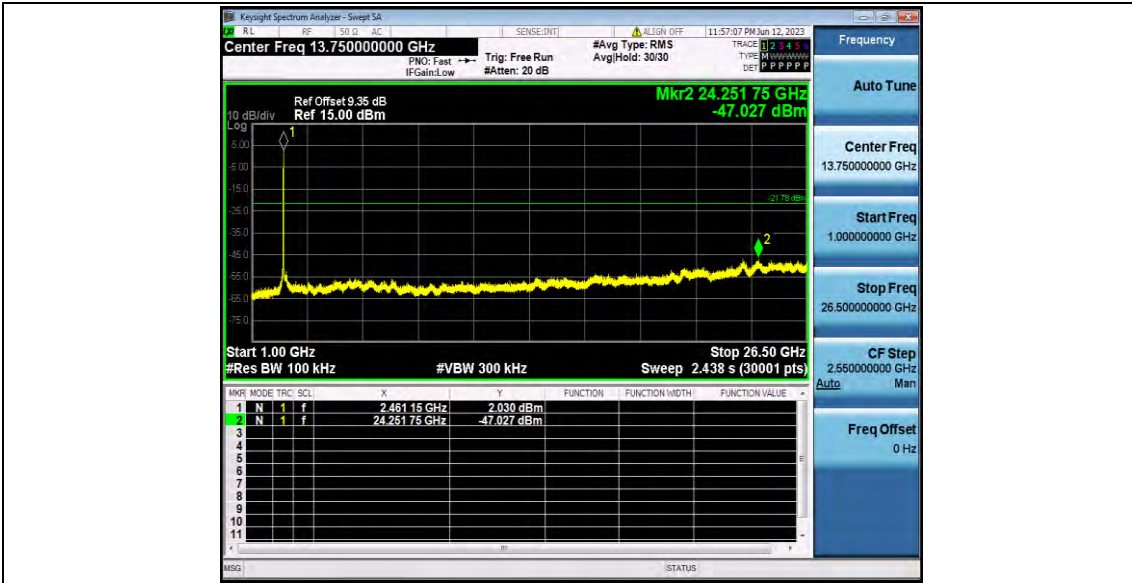
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



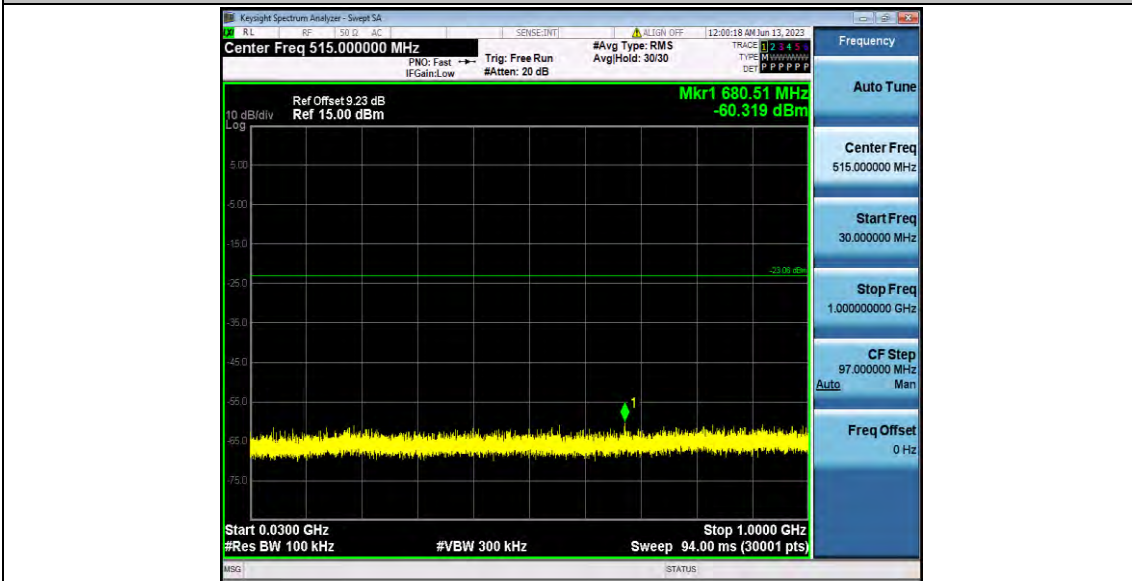
11G_Ant1_2462_30~1000



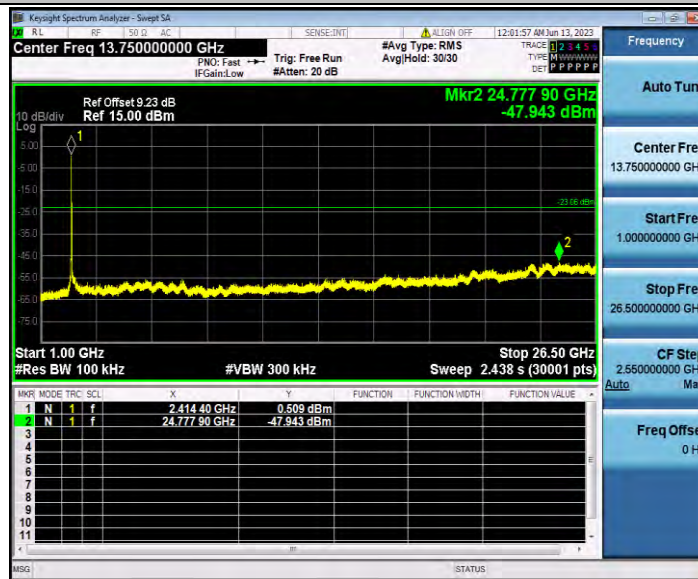
11G_Ant1_2462_1000~26500



11N20SIS0_Ant1_2412_0~Reference



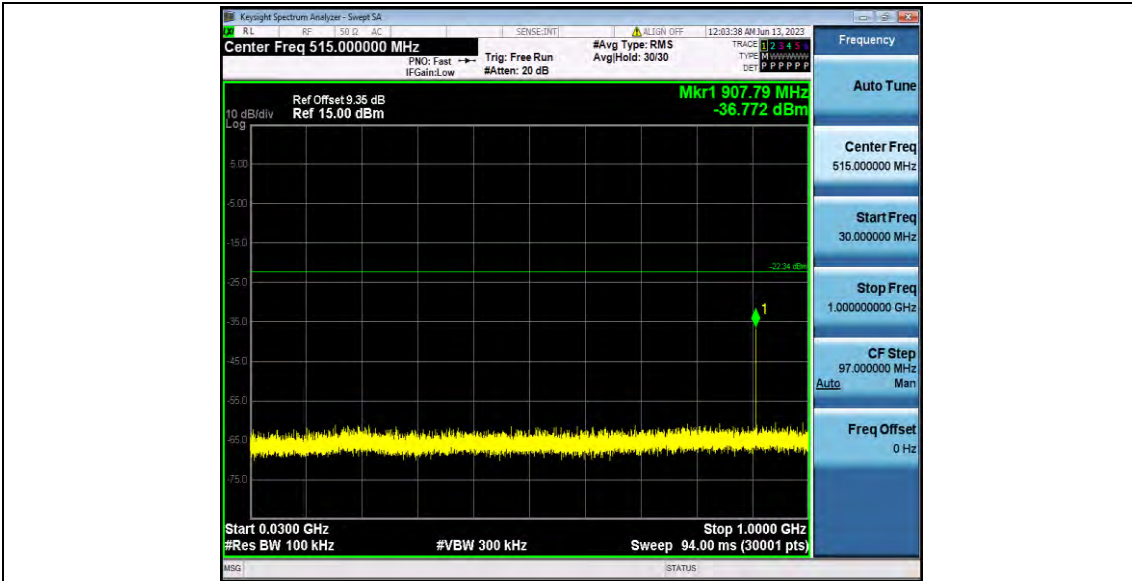
11N20SISO_Ant1_2412_30~1000



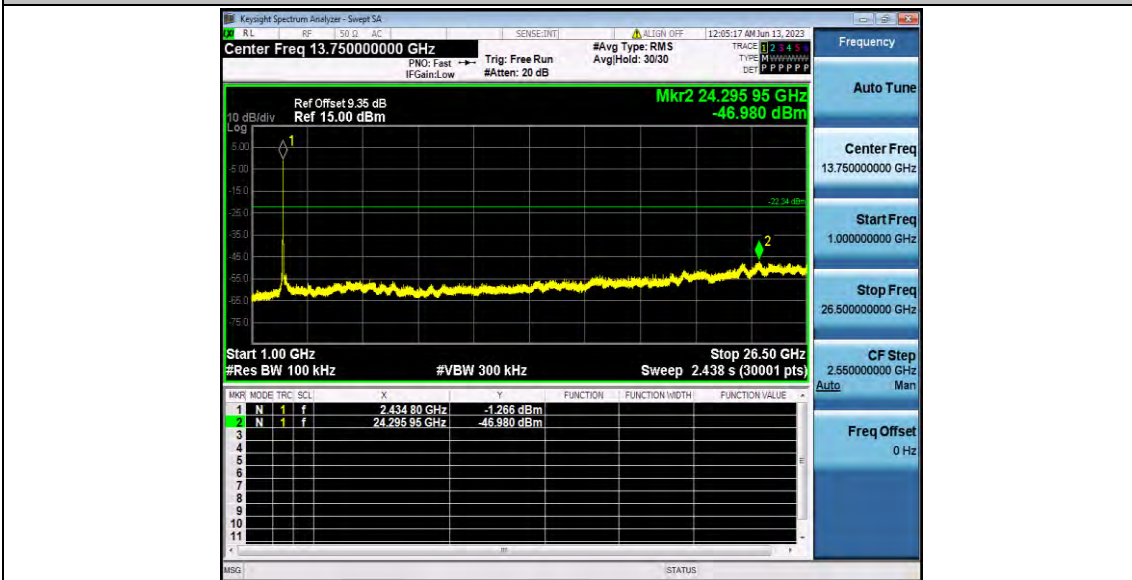
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



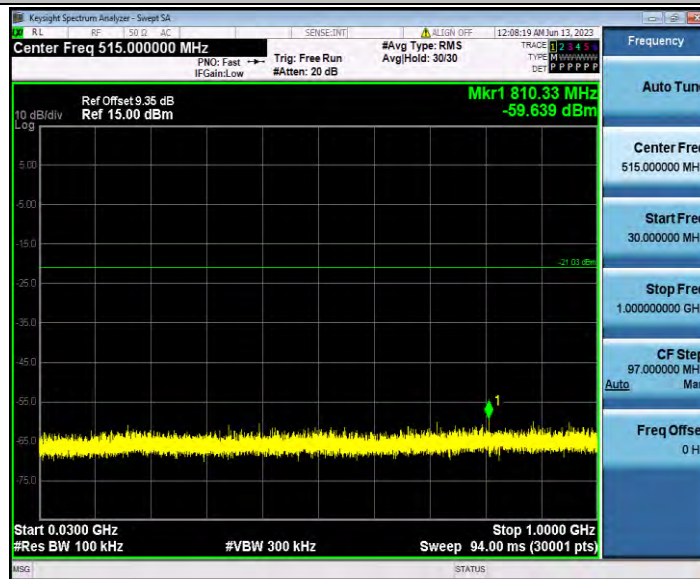
11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



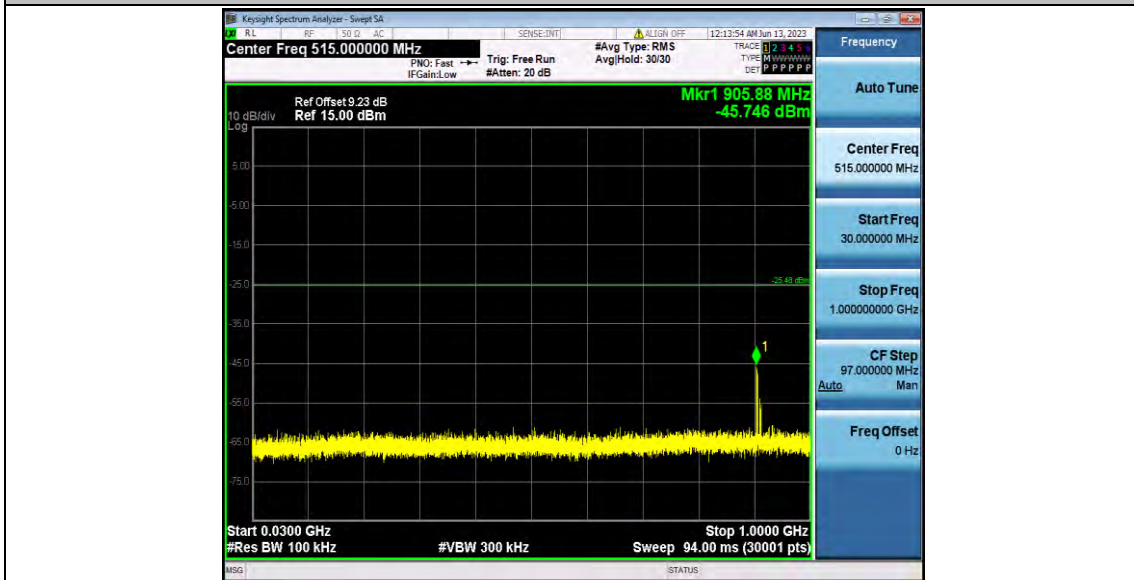
11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



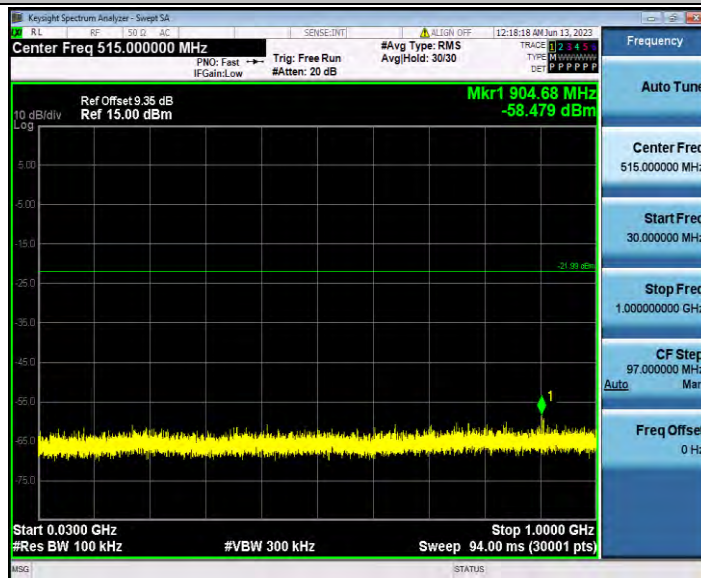
11N40SISO_Ant1_2422_30~1000



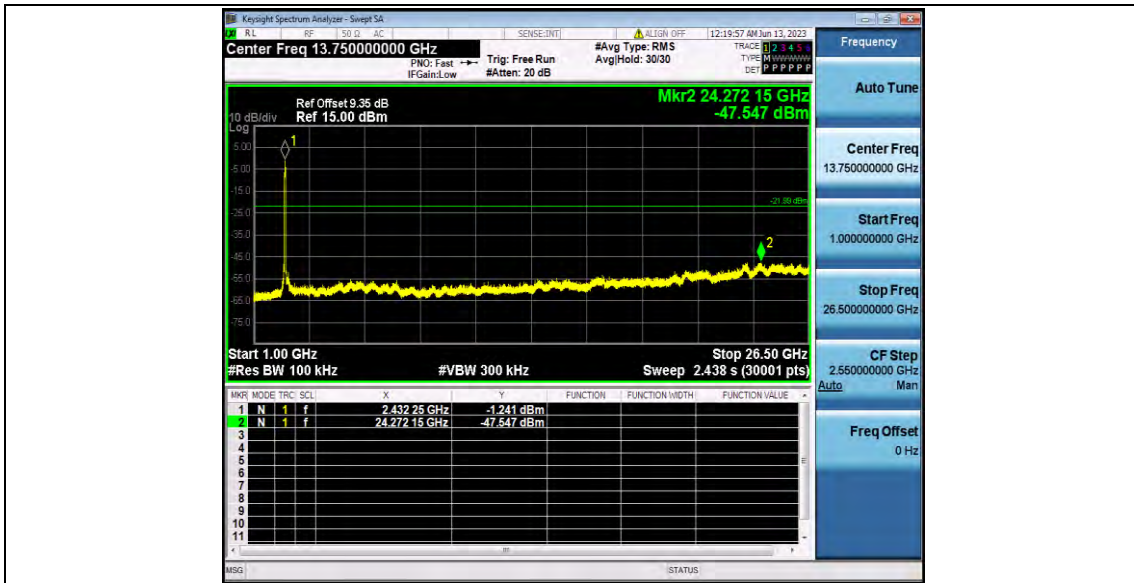
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference

