

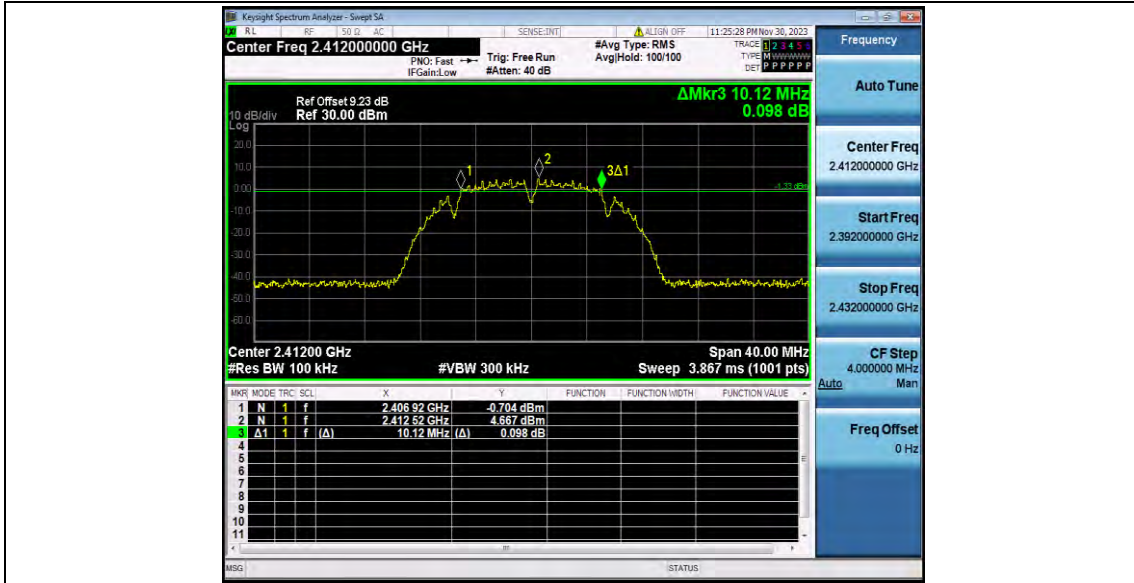
Case No. : <u>GTS20231017004-1-12</u>
Ambient Condition: <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.11.30</u> Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

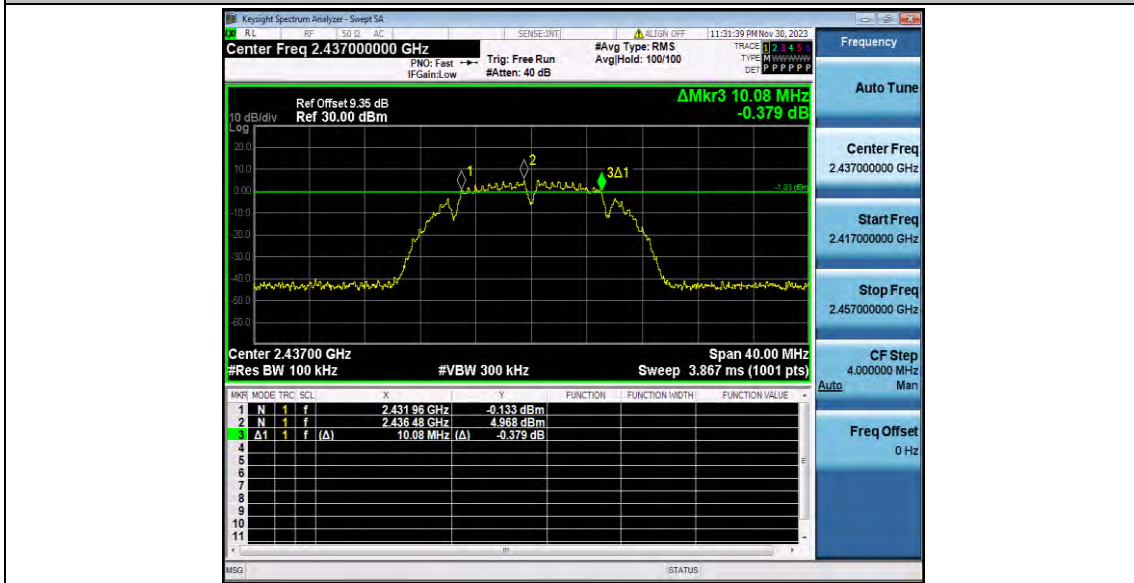
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.120	2406.920	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant2	2412	14.640	2404.840	2419.480	0.5	PASS
		2437	15.400	2429.720	2445.120	0.5	PASS
		2462	15.400	2454.480	2469.880	0.5	PASS
11N20SISO	Ant2	2412	15.080	2404.440	2419.520	0.5	PASS
		2437	15.640	2429.480	2445.120	0.5	PASS
		2462	14.480	2455.080	2469.560	0.5	PASS
11N40SISO	Ant2	2422	33.760	2405.760	2439.520	0.5	PASS
		2437	33.840	2420.680	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

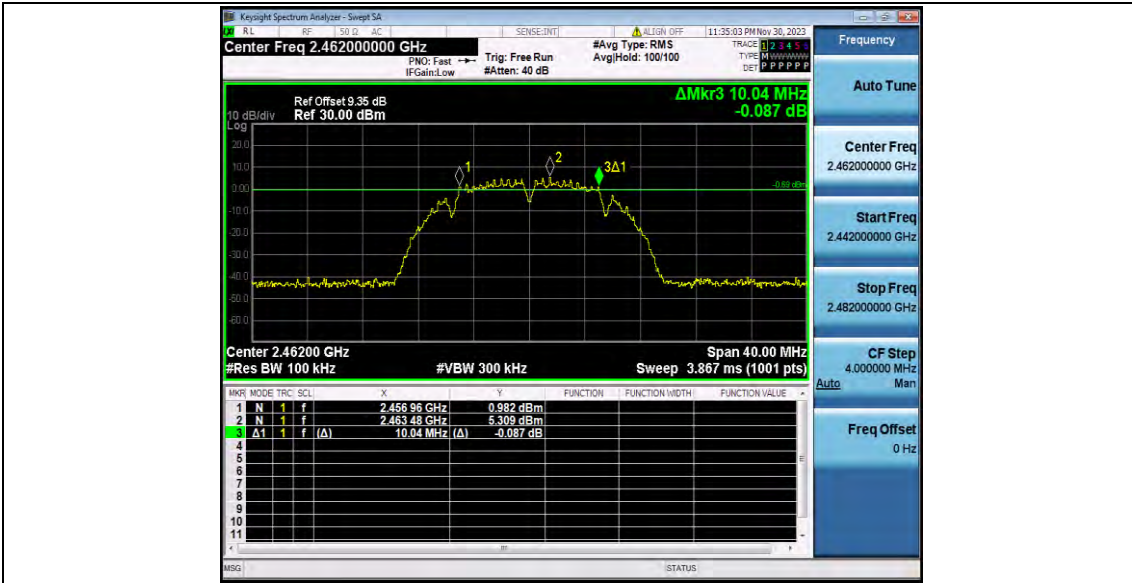
Test Graphs



11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



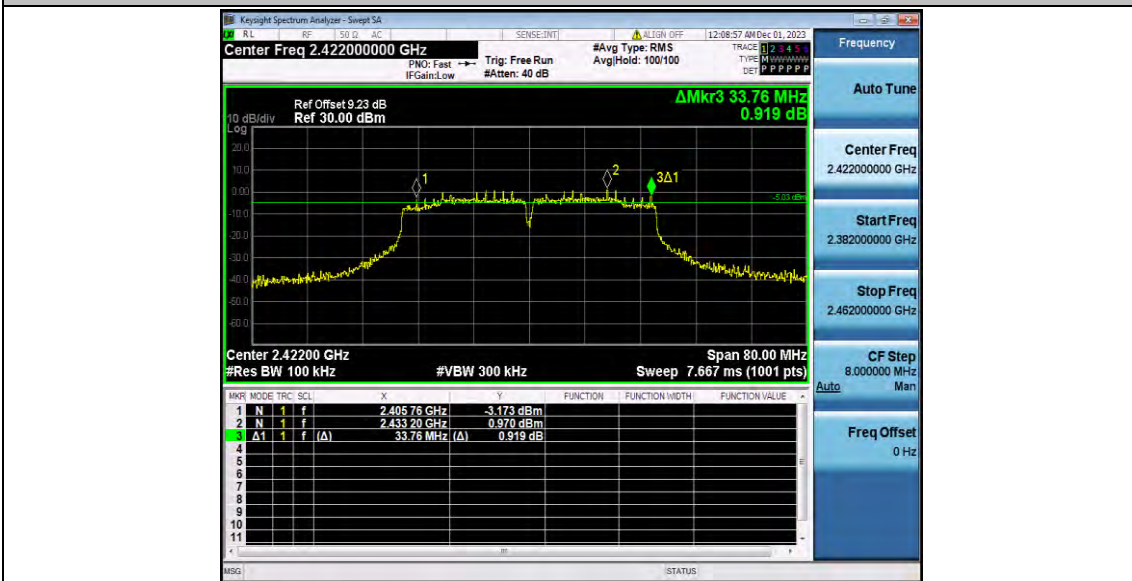
11N20SISO_Ant2_2412



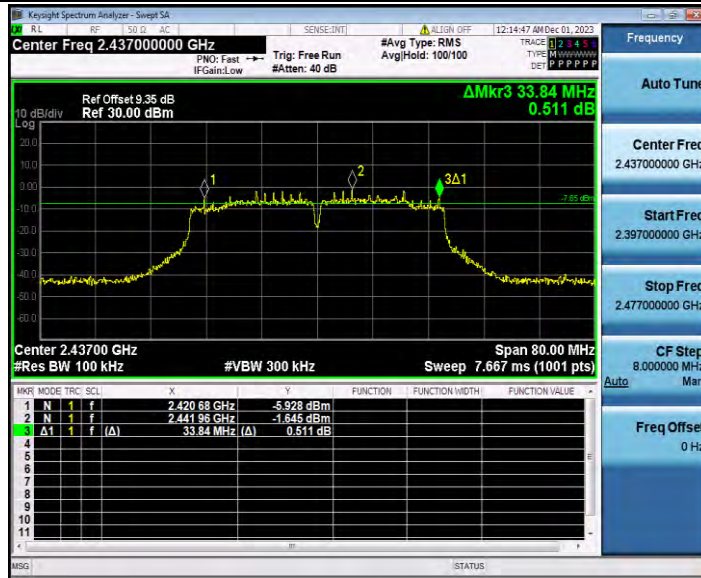
11N20SISO_Ant2_2437



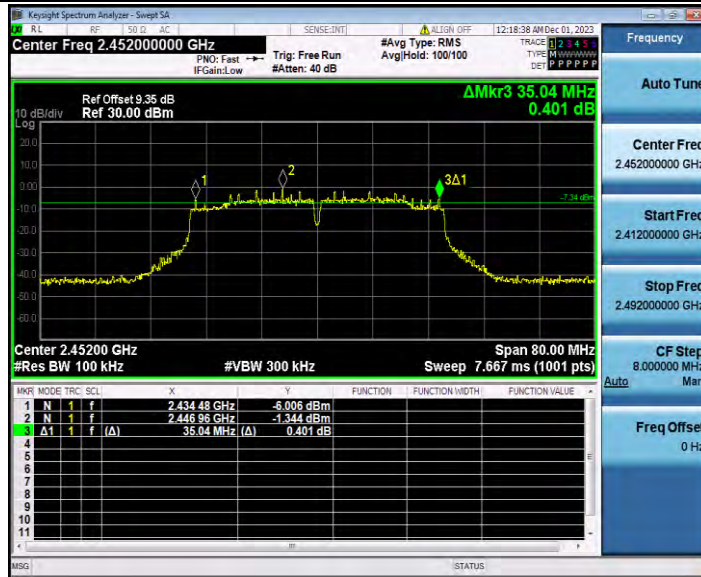
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_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	Ant2	2412	13.492	2405.234	2418.726	---	---
		2437	13.500	2430.313	2443.813	---	---
		2462	13.475	2455.264	2468.739	---	---
11G	Ant2	2412	16.940	2403.530	2420.470	---	---
		2437	16.906	2428.609	2445.515	---	---
		2462	16.824	2453.582	2470.406	---	---
11N20SISO	Ant2	2412	17.891	2403.039	2420.930	---	---
		2437	17.914	2428.097	2446.011	---	---
		2462	17.870	2453.062	2470.932	---	---
11N40SISO	Ant2	2422	36.173	2403.998	2440.171	---	---
		2437	36.123	2419.007	2455.130	---	---
		2452	36.004	2434.051	2470.055	---	---

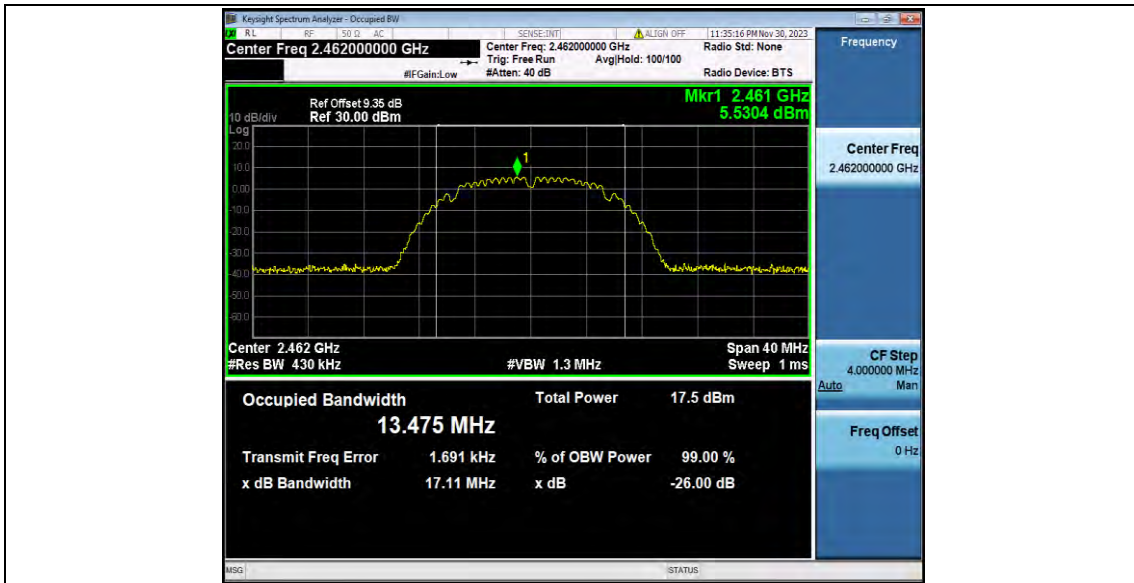
Test Graphs



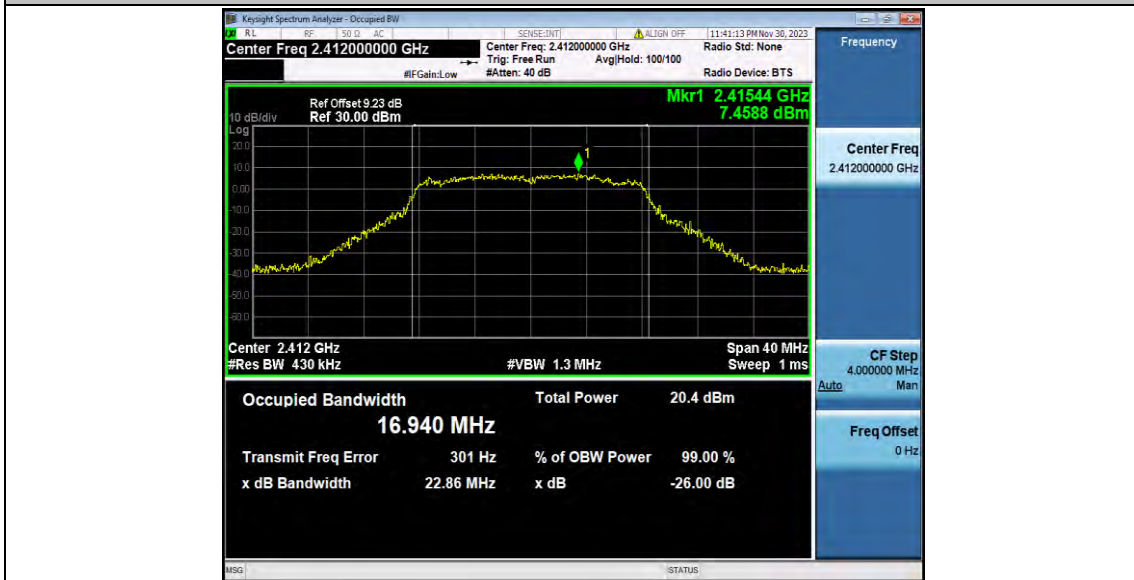
11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



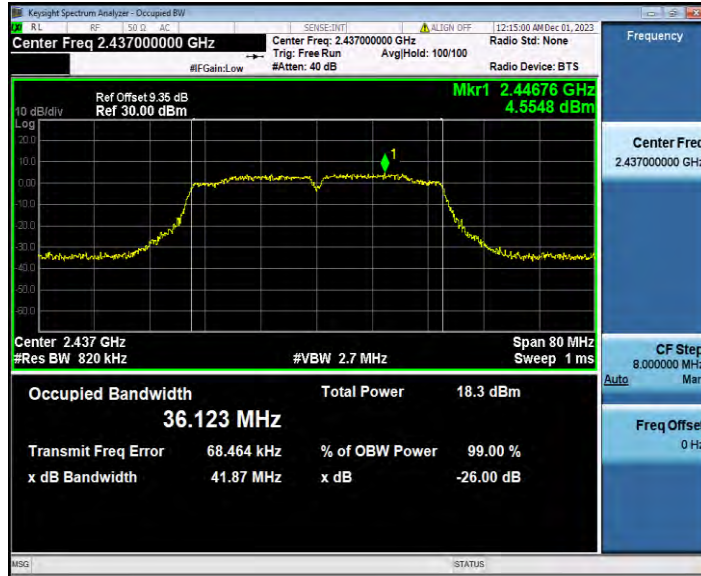
11N20SISO_Ant2_2437



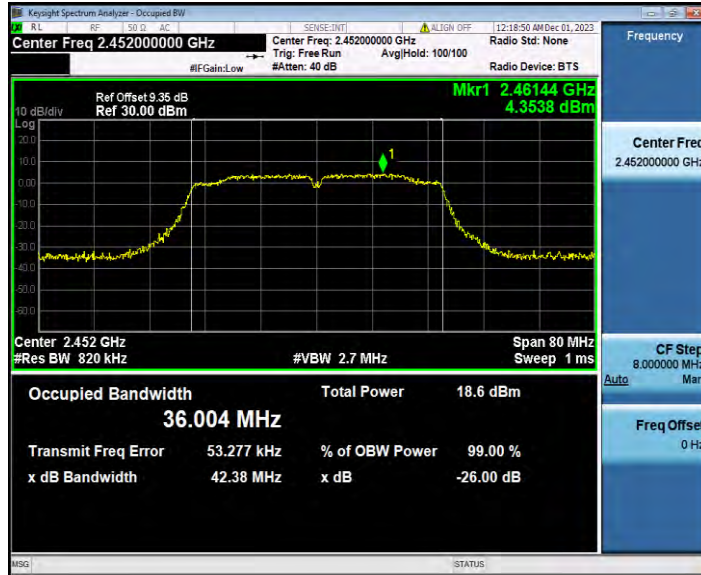
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	17.33	≤30.00	PASS
		2437	17.63	≤30.00	PASS
		2462	17.59	≤30.00	PASS
11G	Ant2	2412	21.39	≤30.00	PASS
		2437	21.86	≤30.00	PASS
		2462	21.64	≤30.00	PASS
11N20SISO	Ant2	2412	21.39	≤30.00	PASS
		2437	21.78	≤30.00	PASS
		2462	21.51	≤30.00	PASS
11N40SISO	Ant2	2422	21.51	≤30.00	PASS
		2437	18.71	≤30.00	PASS
		2452	18.86	≤30.00	PASS

Appendix C.4: Maximum power spectral density

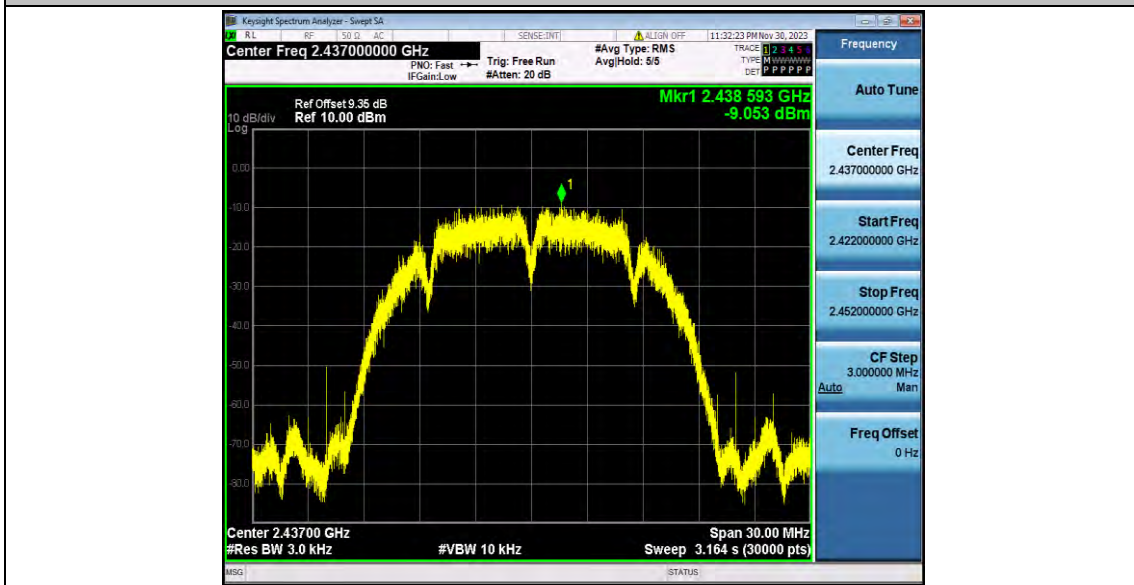
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-8.58	≤8.00	PASS
		2437	-9.05	≤8.00	PASS
		2462	-8.25	≤8.00	PASS
11G	Ant2	2412	-8.93	≤8.00	PASS
		2437	-9.81	≤8.00	PASS
		2462	-10.1	≤8.00	PASS
11N20SISO	Ant2	2412	-10.42	≤8.00	PASS
		2437	-9.85	≤8.00	PASS
		2462	-10.33	≤8.00	PASS
11N40SISO	Ant2	2422	-13.61	≤8.00	PASS
		2437	-16.24	≤8.00	PASS
		2452	-16.54	≤8.00	PASS

Test Graphs



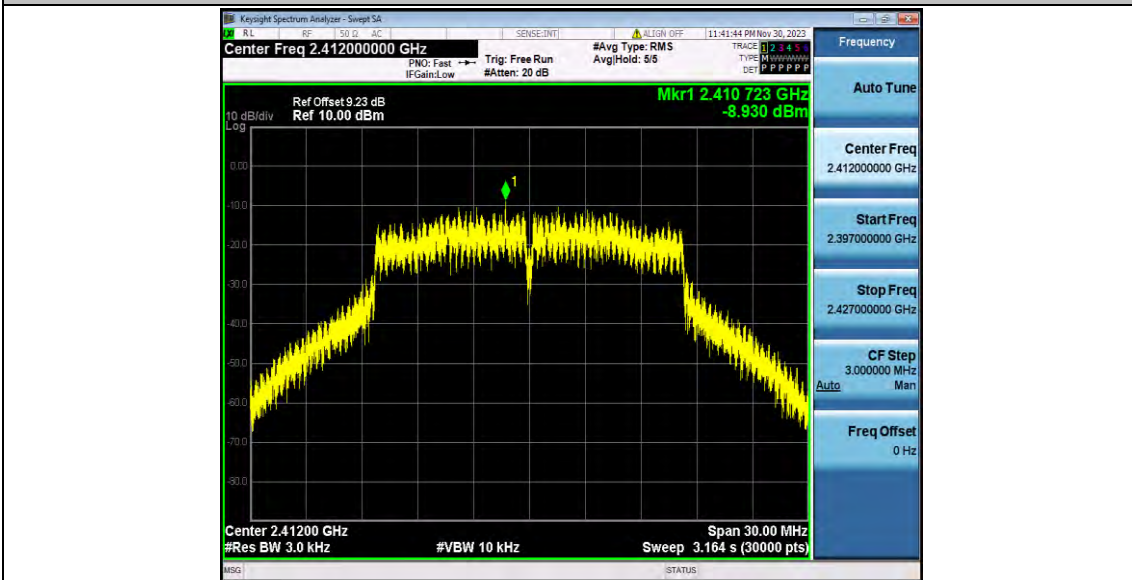
11B_Ant2_2412



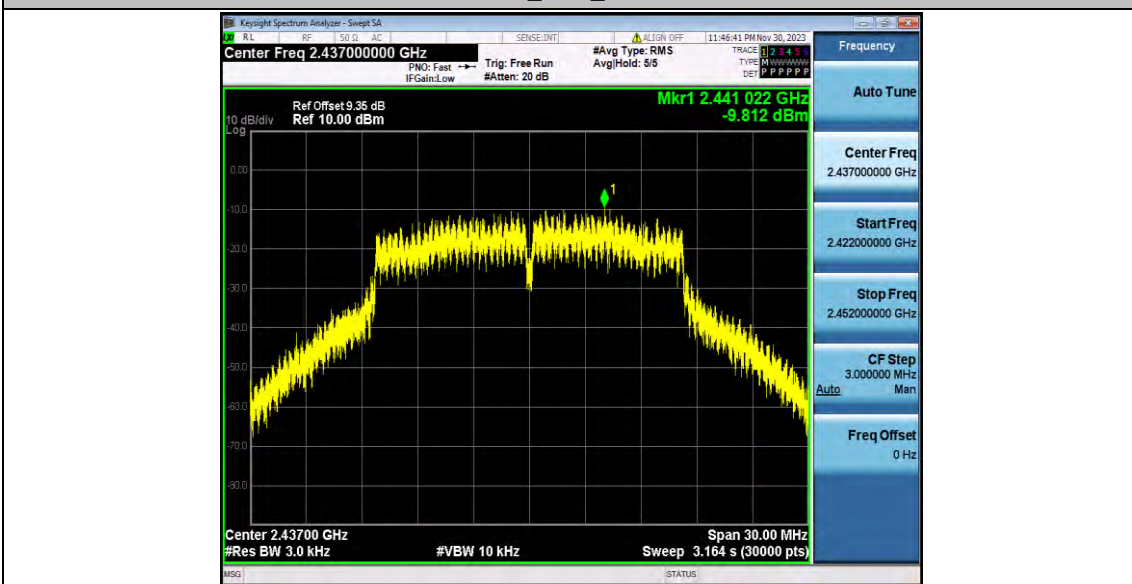
11B_Ant2_2437



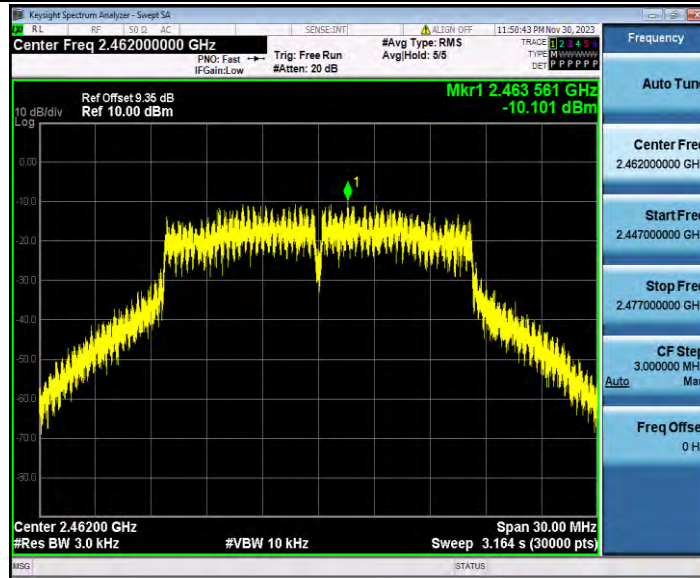
11B_Ant2_2462



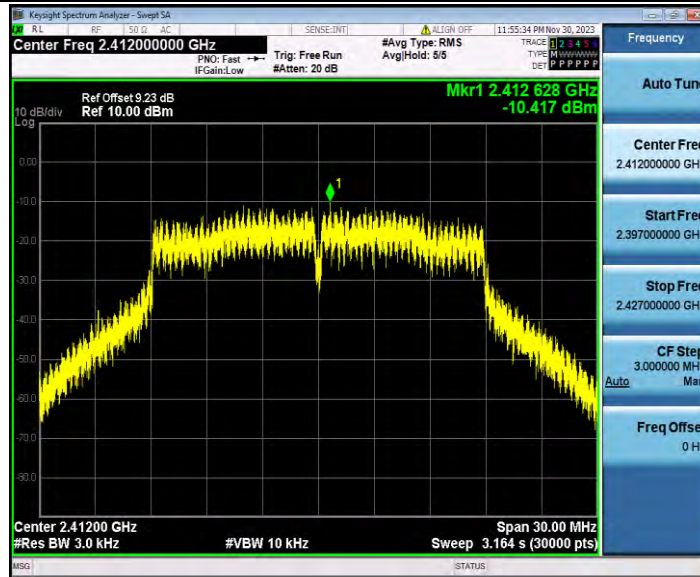
11G_Ant2_2412



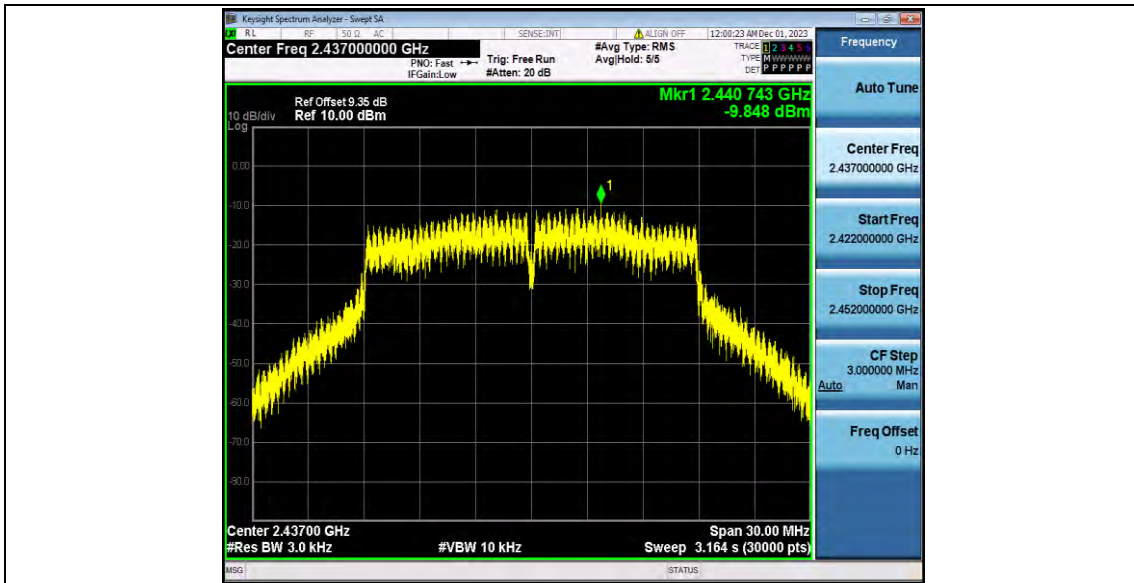
11G_Ant2_2437



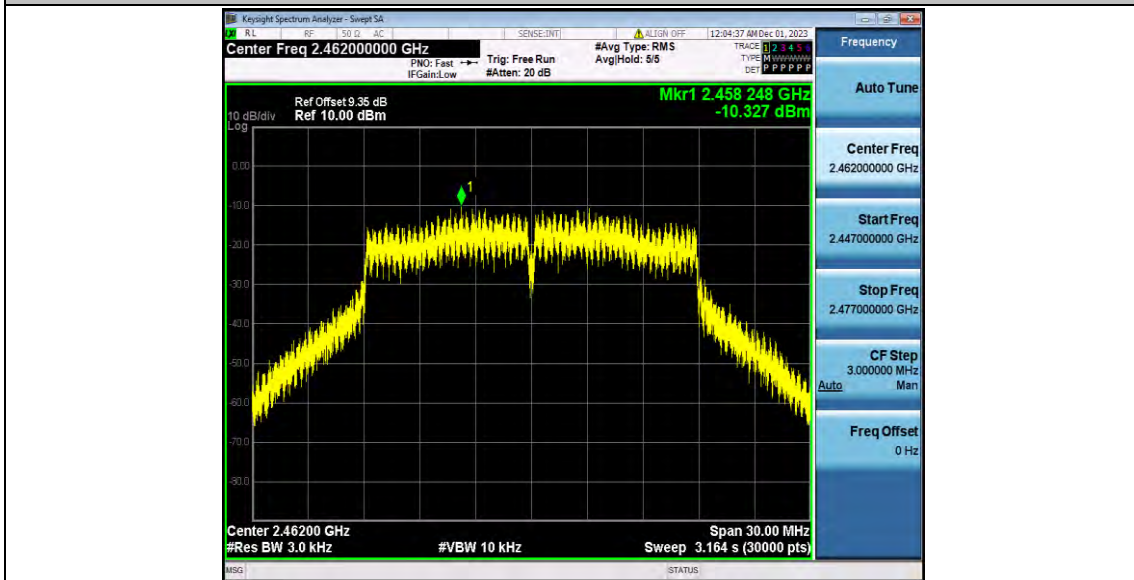
11G_Ant2_2462



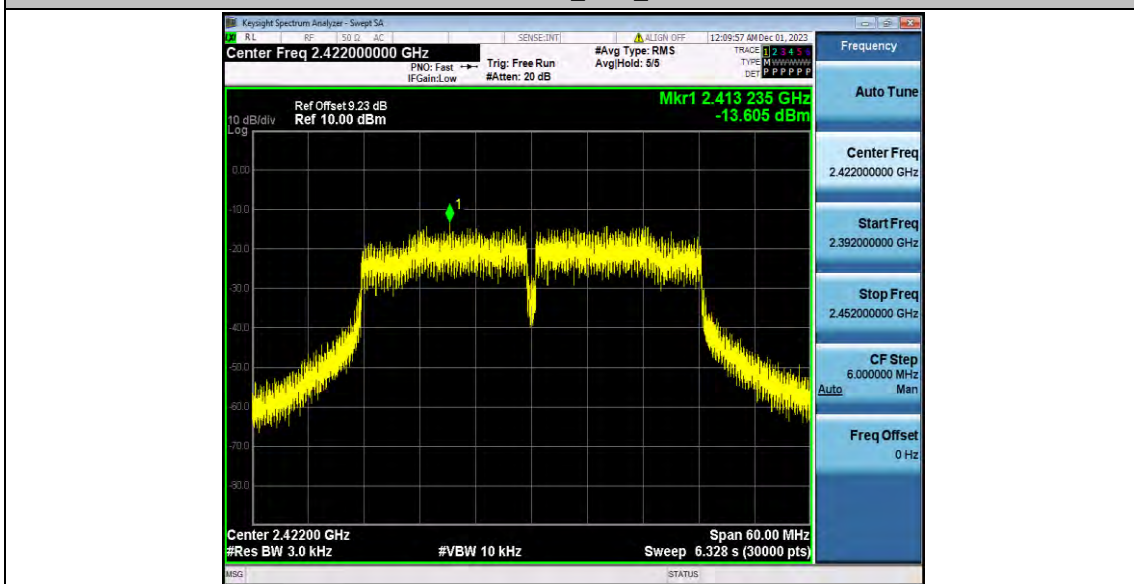
11N20SISO_Ant2_2412



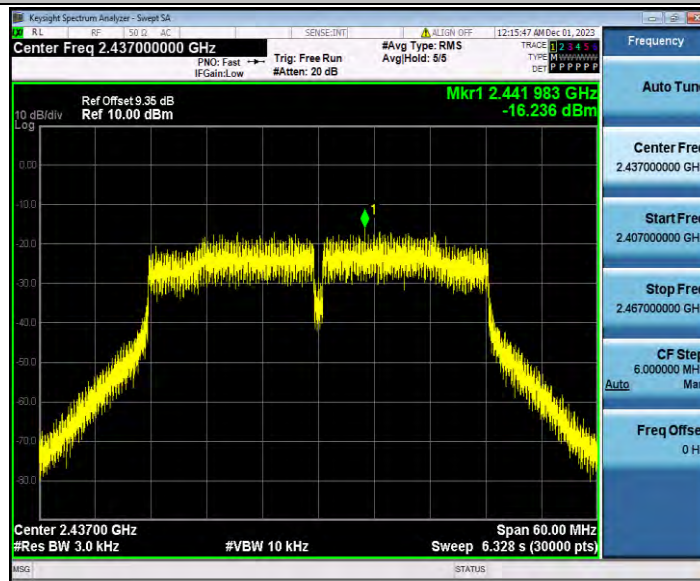
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



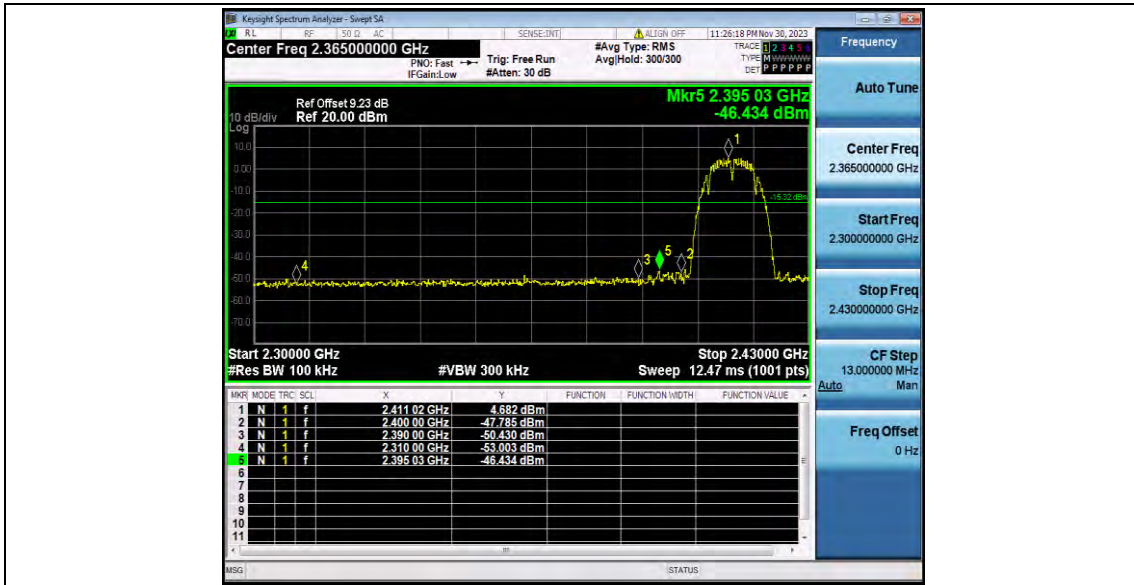
11N40SISO_Ant2_2452

Appendix C.5: Band edge measurements

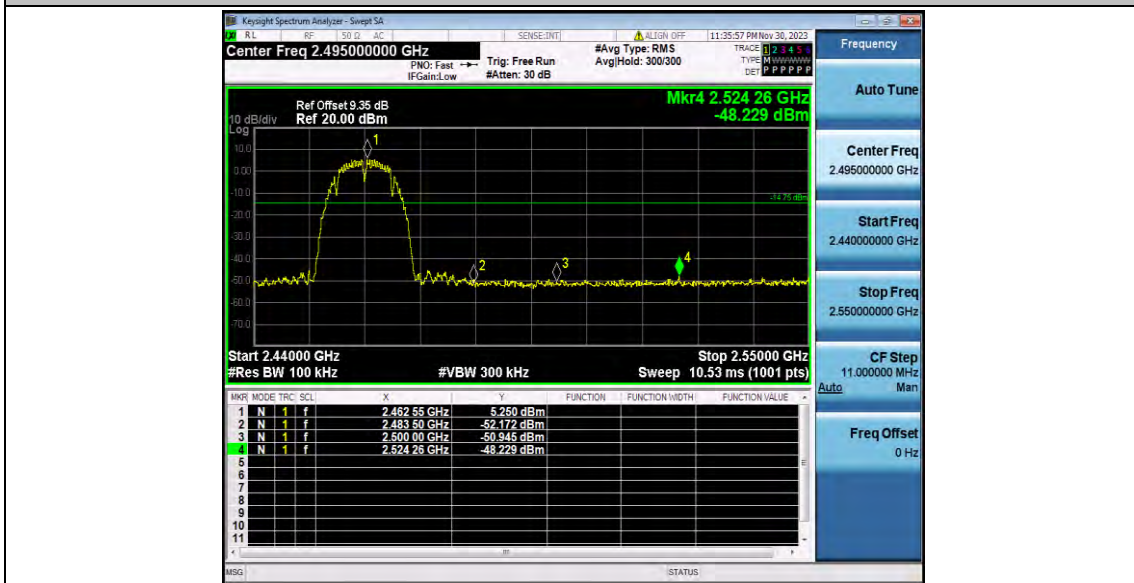
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	4.68	-46.43	≤-15.32	PASS
		High	2462	5.25	-48.23	≤-14.75	PASS
11G	Ant2	Low	2412	4.49	-26.33	≤-15.51	PASS
		High	2462	4.88	-48.97	≤-15.13	PASS
11N20SISO	Ant2	Low	2412	4.47	-25.89	≤-15.53	PASS
		High	2462	4.77	-47.79	≤-15.23	PASS
11N40SISO	Ant2	Low	2422	0.80	-28.05	≤-19.2	PASS
		High	2452	-1.38	-48.32	≤-21.38	PASS

Test Graphs



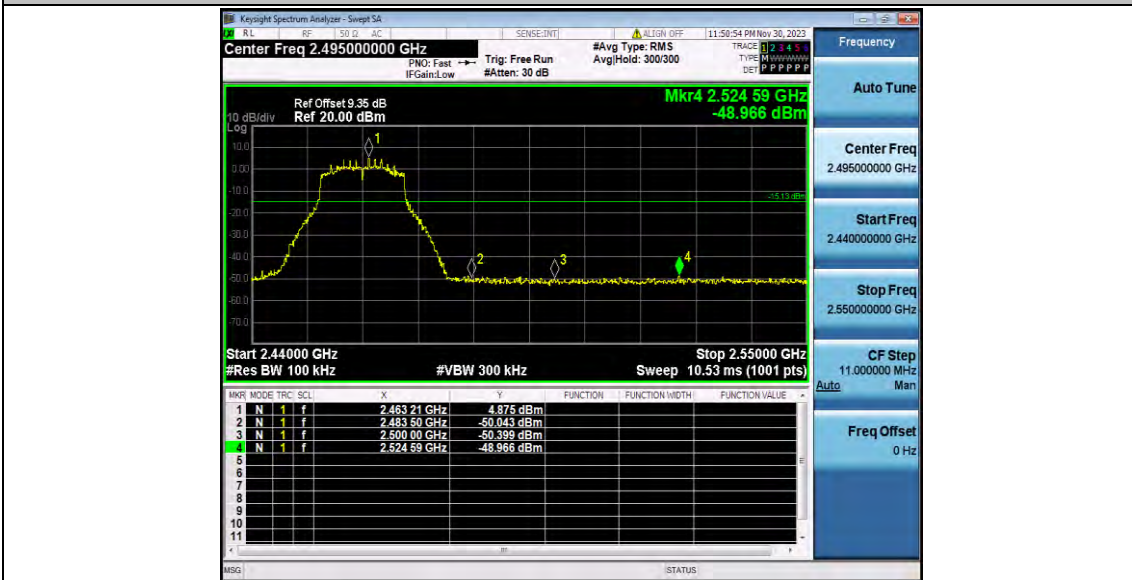
11B_Ant2_Low_2412



11B_Ant2_High_2462



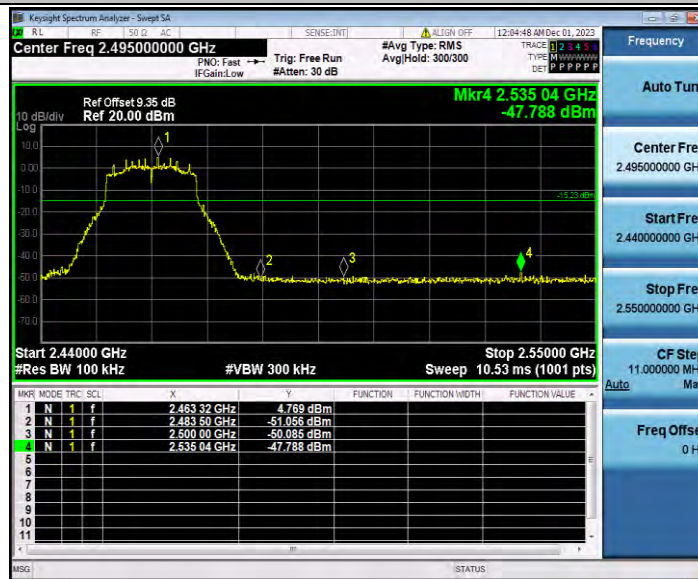
11G_Ant2_Low_2412



11G_Ant2_High_2462



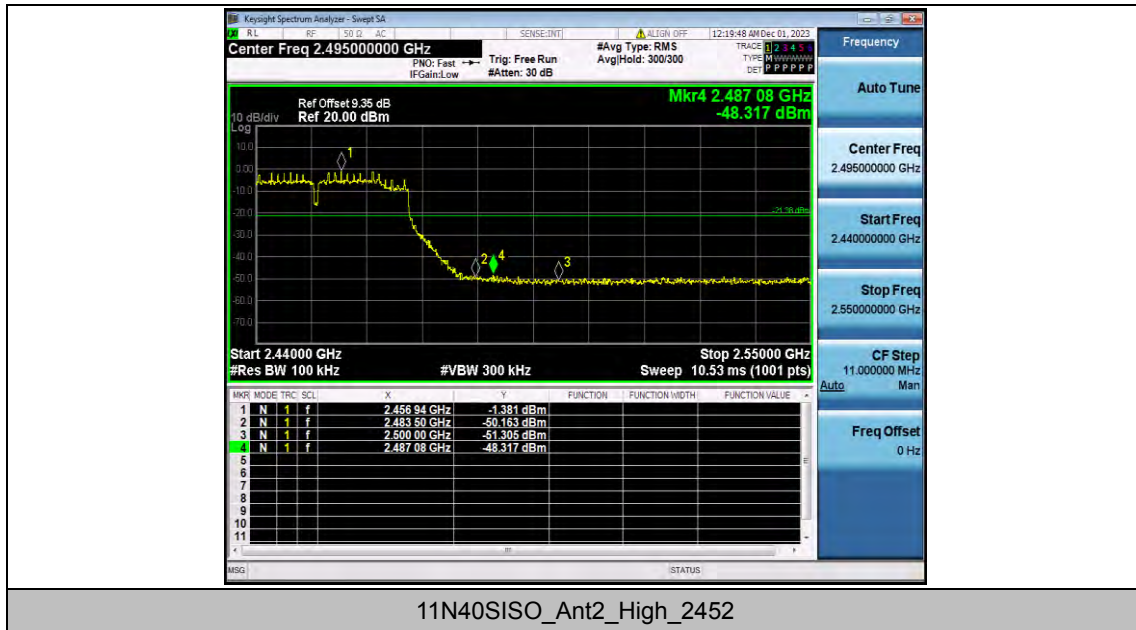
11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

Appendix C.6: Conducted Spurious Emission

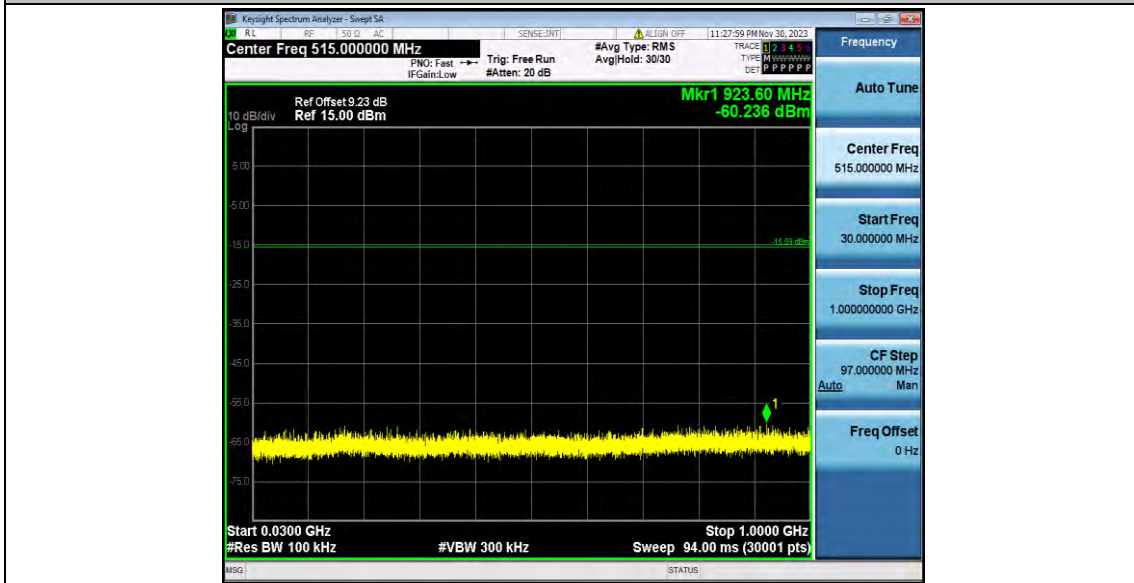
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	4.41	4.41	---	PASS
			30~1000	4.41	-60.24	≤-15.59	PASS
			1000~26500	4.41	-47.21	≤-15.59	PASS
		2437	Reference	4.84	4.84	---	PASS
			30~1000	4.84	-60.07	≤-15.16	PASS
			1000~26500	4.84	-47.99	≤-15.16	PASS
		2462	Reference	4.21	4.21	---	PASS
			30~1000	4.21	-60.33	≤-15.79	PASS
			1000~26500	4.21	-46.77	≤-15.79	PASS
11G	Ant2	2412	Reference	1.58	1.58	---	PASS
			30~1000	1.58	-60.19	≤-18.42	PASS
			1000~26500	1.58	-46.87	≤-18.42	PASS
		2437	Reference	2.07	2.07	---	PASS
			30~1000	2.07	-50.88	≤-17.93	PASS
			1000~26500	2.07	-46.95	≤-17.93	PASS
		2462	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-60.61	≤-19.12	PASS
			1000~26500	0.88	-47.5	≤-19.12	PASS
11N20SISO	Ant2	2412	Reference	1.62	1.62	---	PASS
			30~1000	1.62	-60.53	≤-18.38	PASS
			1000~26500	1.62	-46.84	≤-18.38	PASS
		2437	Reference	3.90	3.90	---	PASS
			30~1000	3.90	-60.35	≤-16.1	PASS
			1000~26500	3.90	-47.67	≤-16.1	PASS
		2462	Reference	1.25	1.25	---	PASS
			30~1000	1.25	-60.37	≤-18.75	PASS
			1000~26500	1.25	-47.44	≤-18.75	PASS
11N40SISO	Ant2	2422	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-60.43	≤-19.89	PASS
			1000~26500	0.11	-48.02	≤-19.89	PASS
		2437	Reference	-1.52	-1.52	---	PASS
			30~1000	-1.52	-60.24	≤-21.52	PASS
			1000~26500	-1.52	-47.44	≤-21.52	PASS
		2452	Reference	-3.19	-3.19	---	PASS
			30~1000	-3.19	-60.47	≤-23.19	PASS
			1000~26500	-3.19	-47.74	≤-23.19	PASS

Test Graphs



11B_Ant2_2412_0~Reference



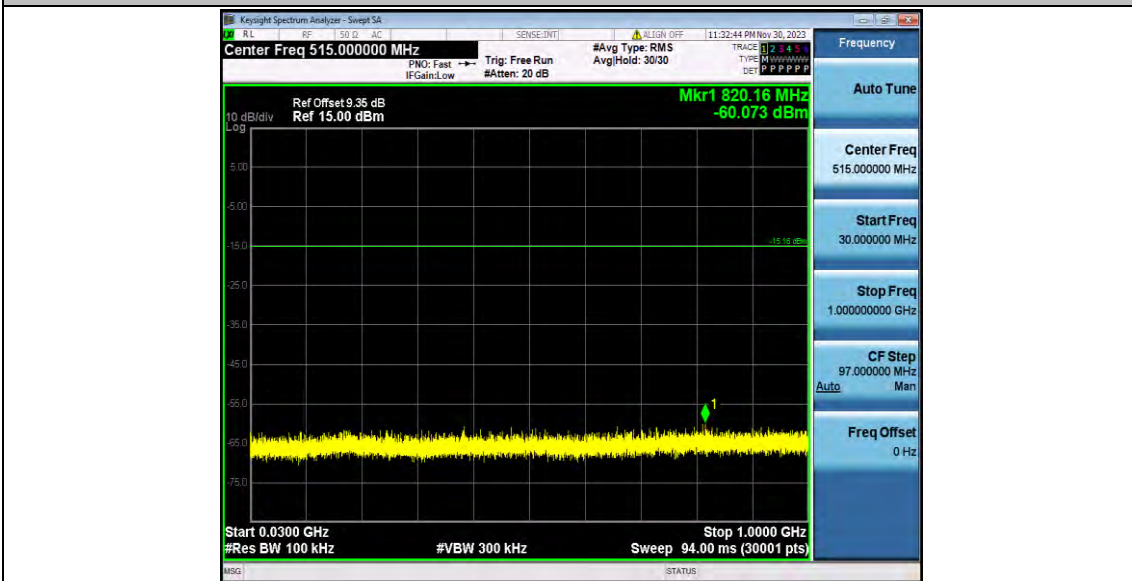
11B_Ant2_2412_30~1000



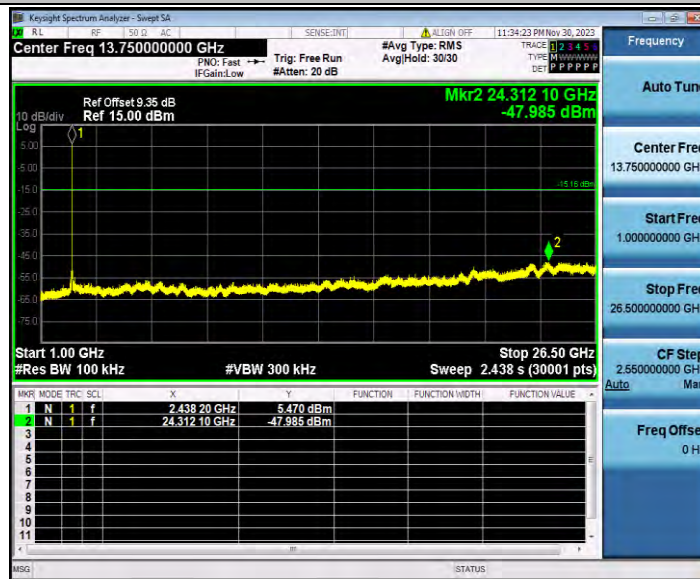
11B_Ant2_2412_1000~26500



11B_Ant2_2437_0~Reference



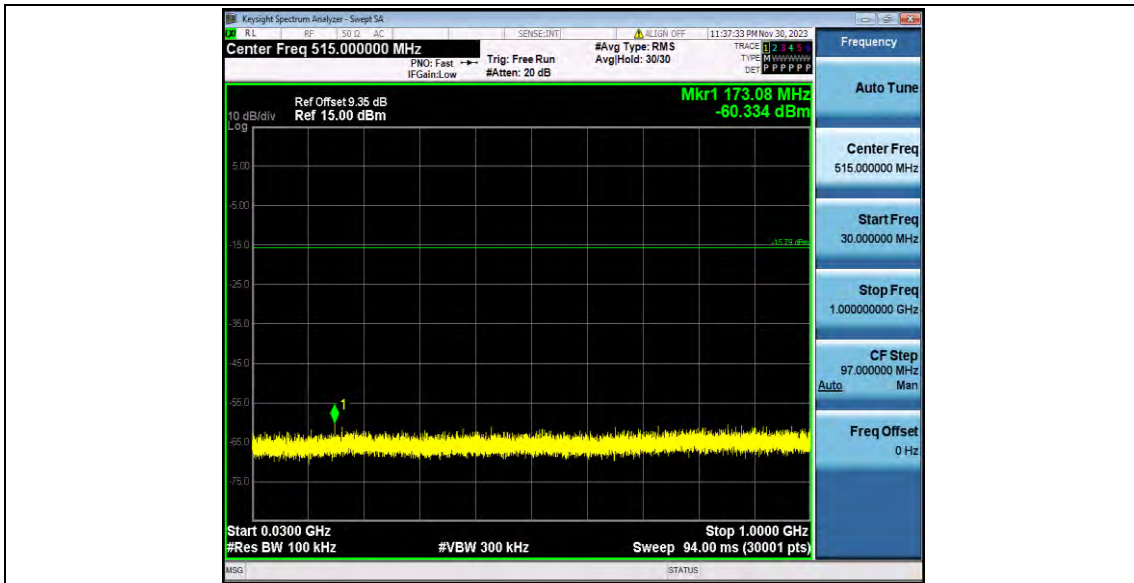
11B_Ant2_2437_30~1000



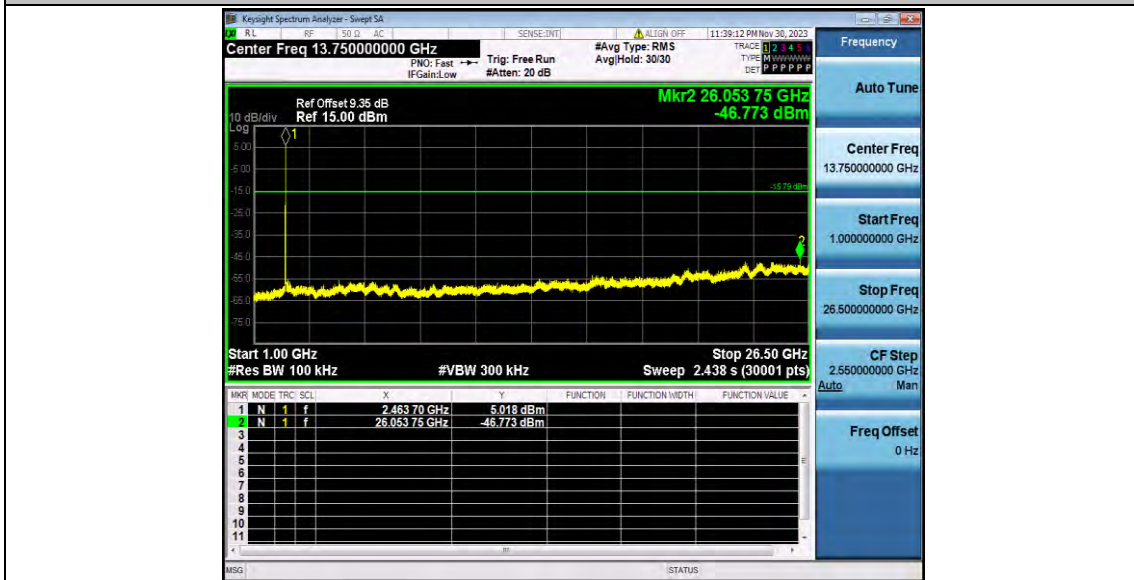
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



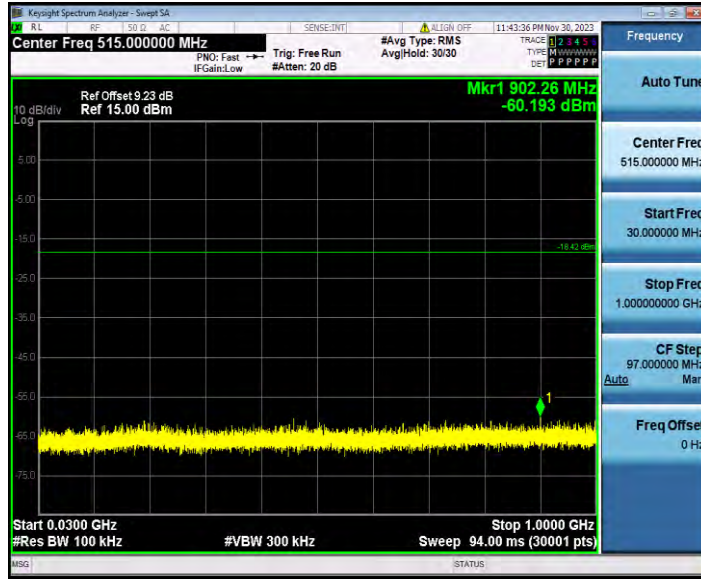
11B_Ant2_2462_30~1000



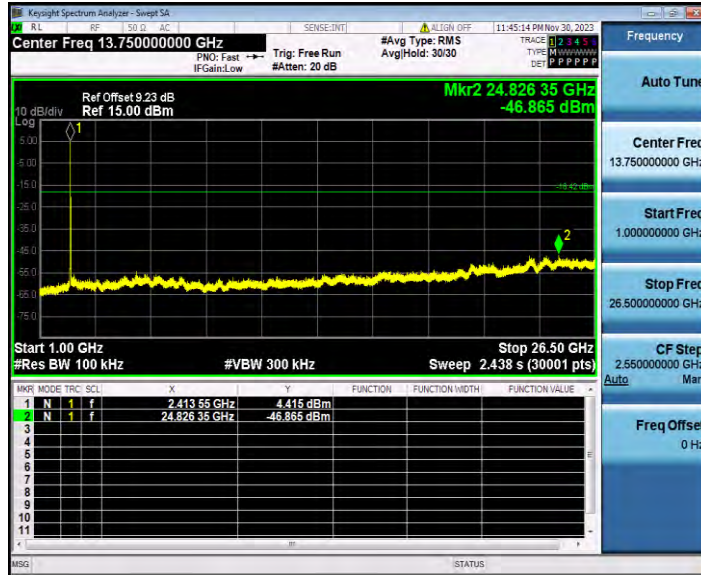
11B_Ant2_2462_1000~26500



11G_Ant2_2412_0~Reference



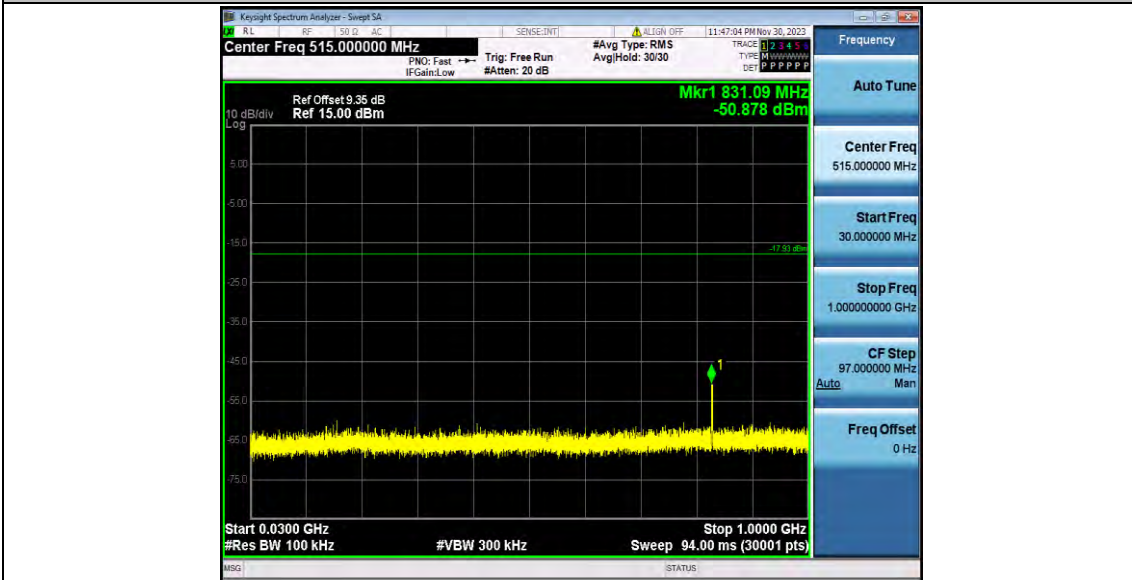
11G_Ant2_2412_30~1000



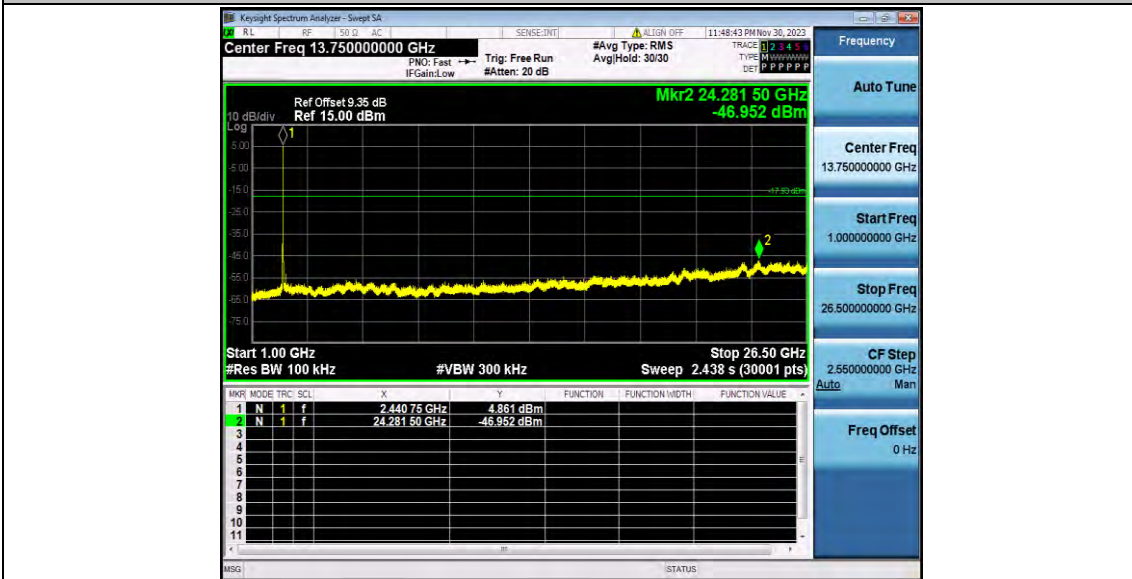
11G_Ant2_2412_1000~26500



11G_Ant2_2437_0~Reference



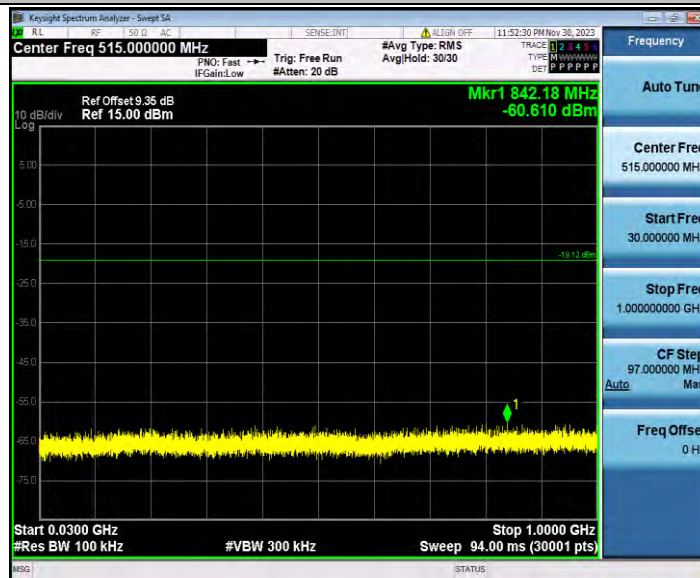
11G_Ant2_2437_30~1000



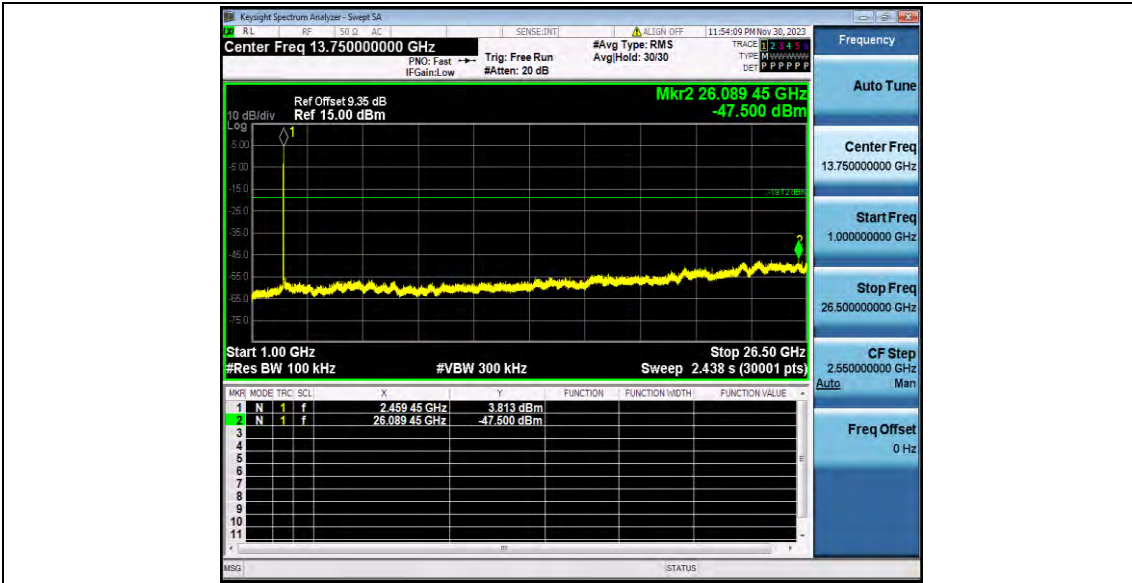
11G_Ant2_2437_1000~26500



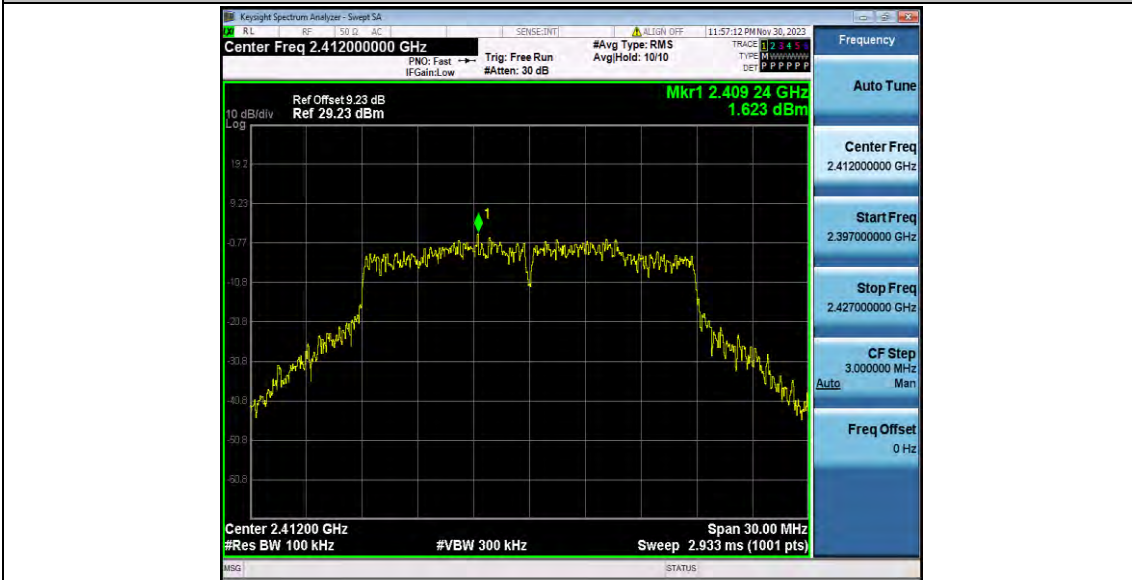
11G_Ant2_2462_0~Reference



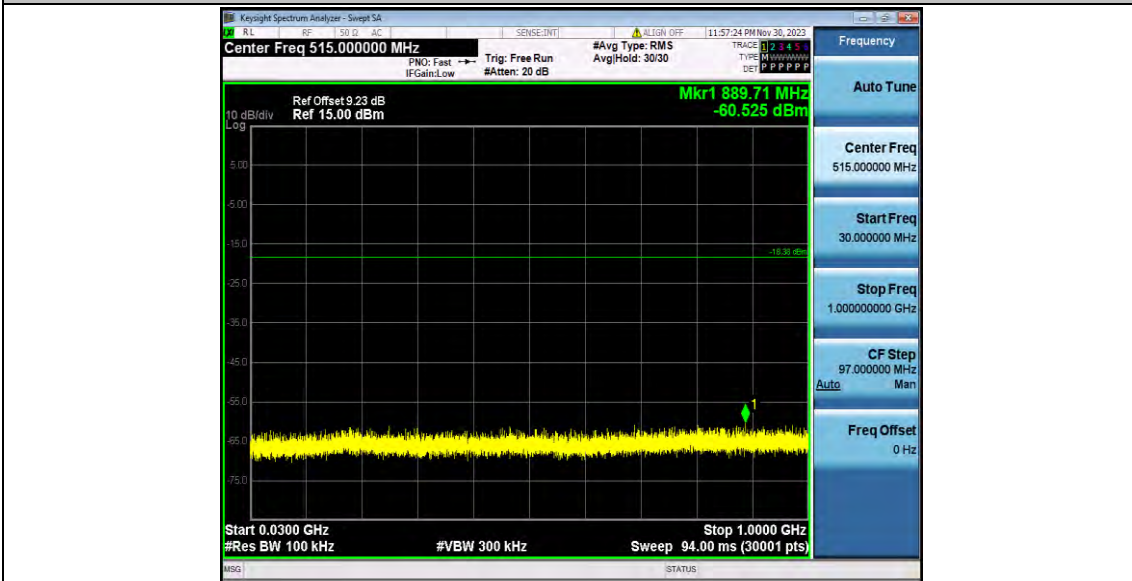
11G_Ant2_2462_30~1000



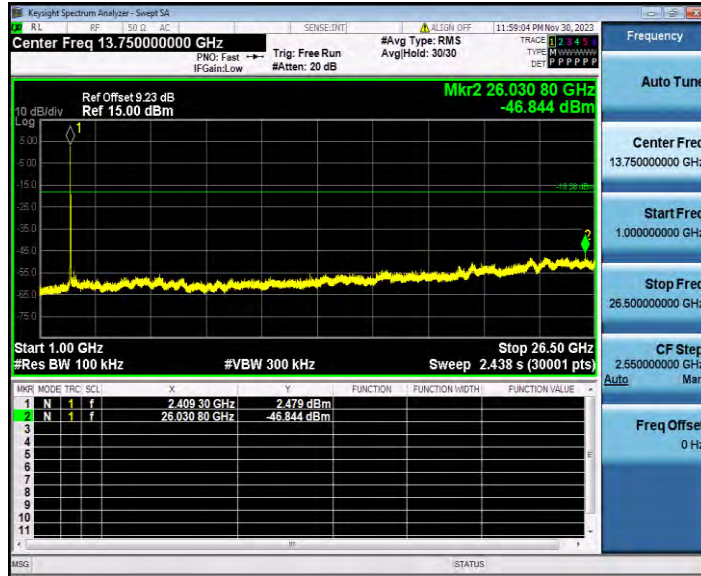
11G_Ant2_2462_1000~26500



11N20SISO_Ant2_2412_0~Reference



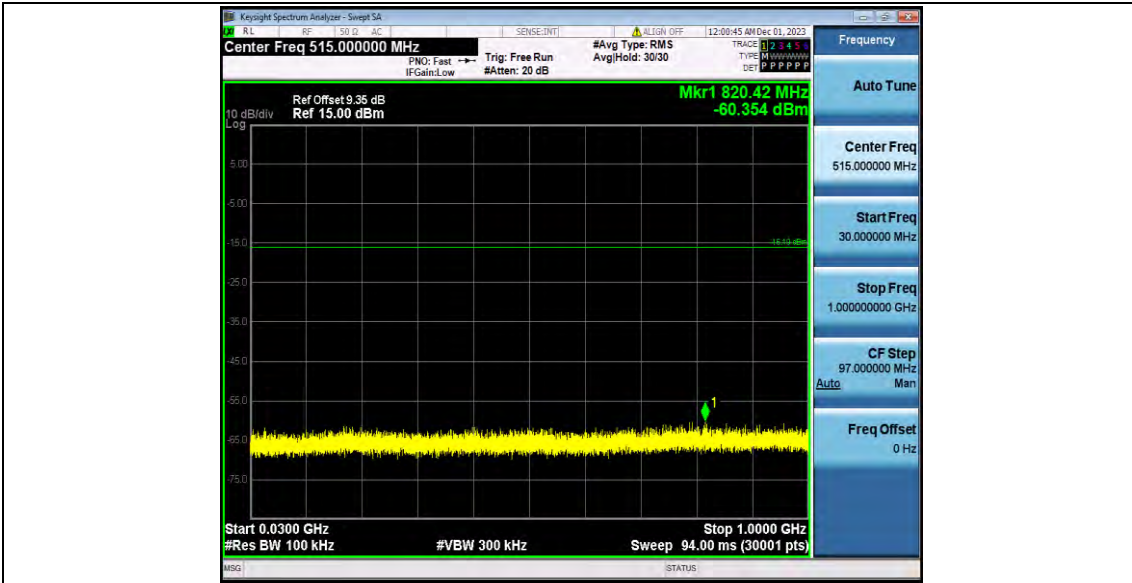
11N20SISO_Ant2_2412_30~1000



11N20SISO_Ant2_2412_1000~26500



11N20SISO_Ant2_2437_0~Reference



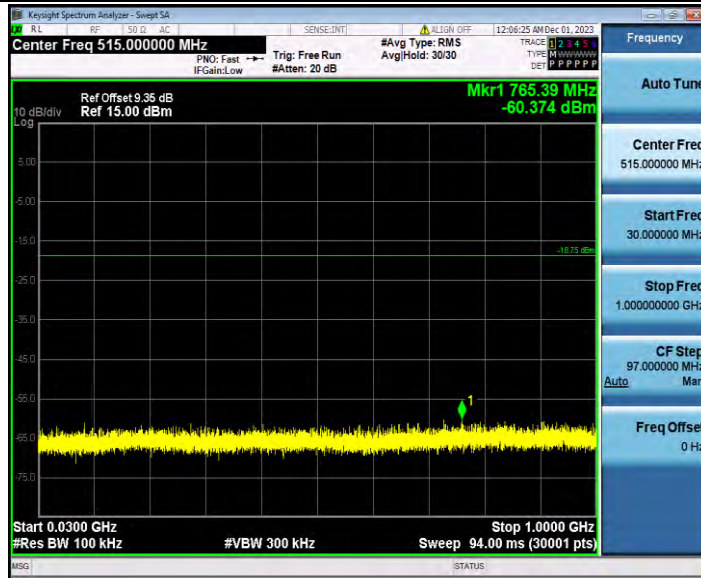
11N20SISO_Ant2_2437_30~1000



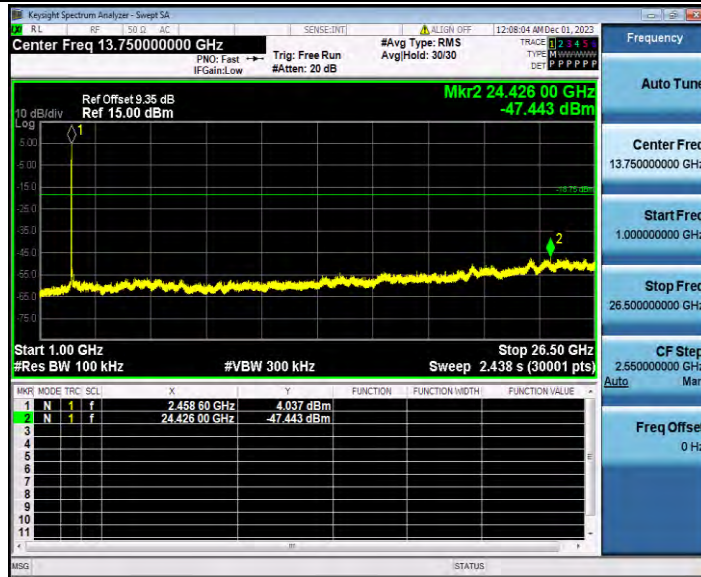
11N20SISO_Ant2_2437_1000~26500



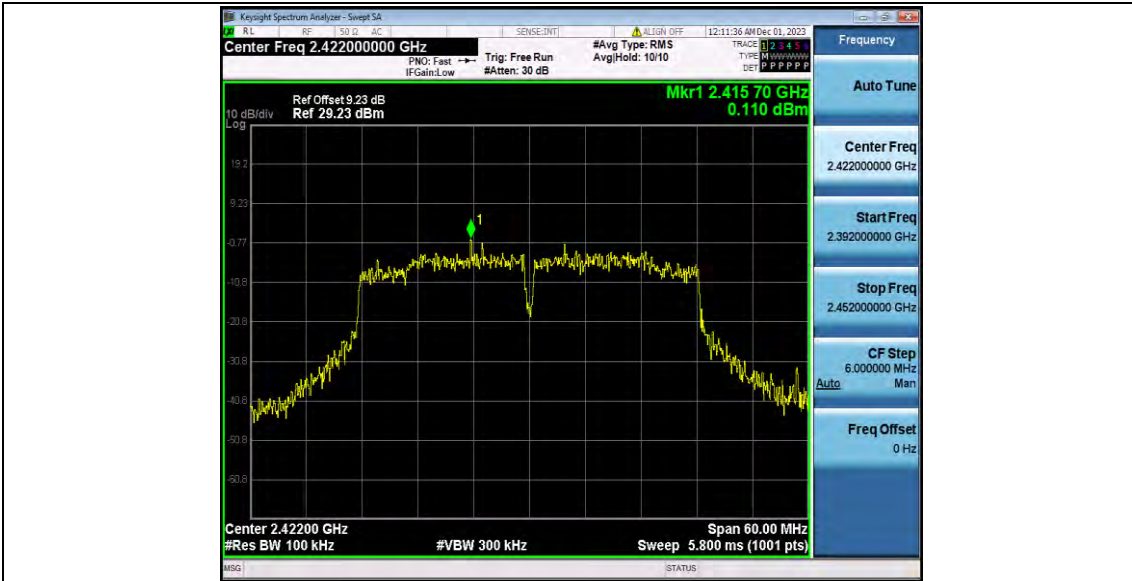
11N20SISO_Ant2_2462_0~Reference



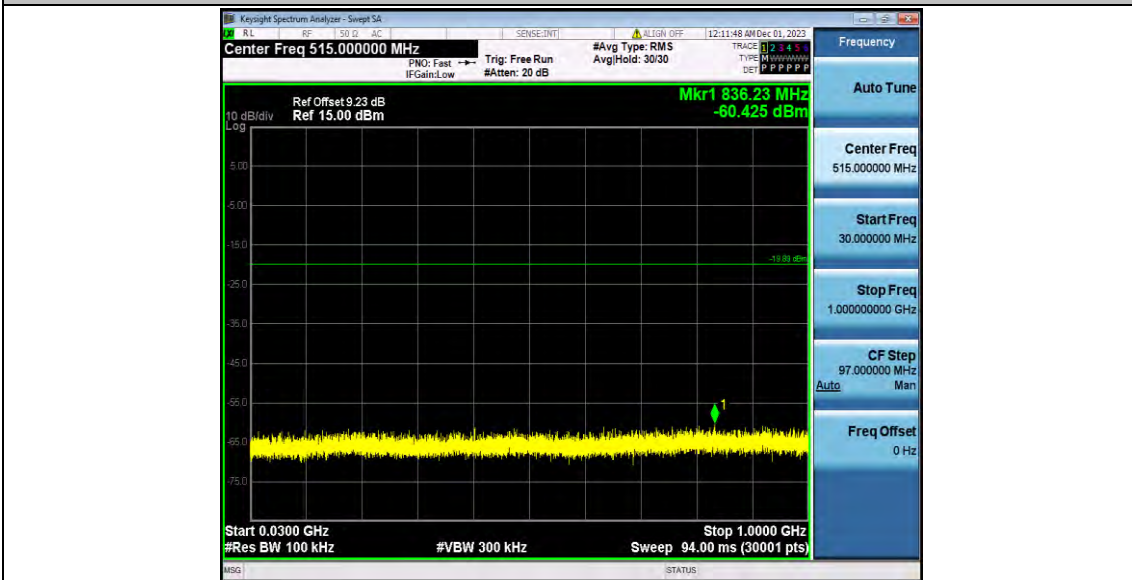
11N20SISO_Ant2_2462_30~1000



11N20SISO_Ant2_2462_1000~26500



11N40SISO_Ant2_2422_0~Reference



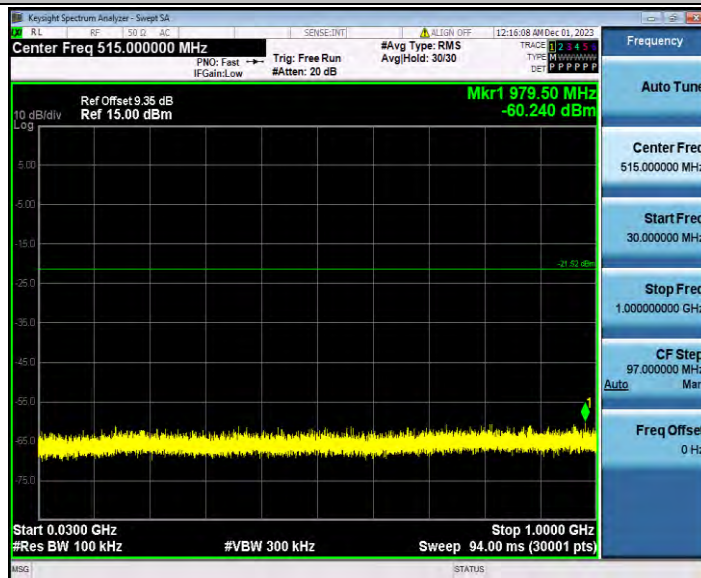
11N40SISO_Ant2_2422_30~1000



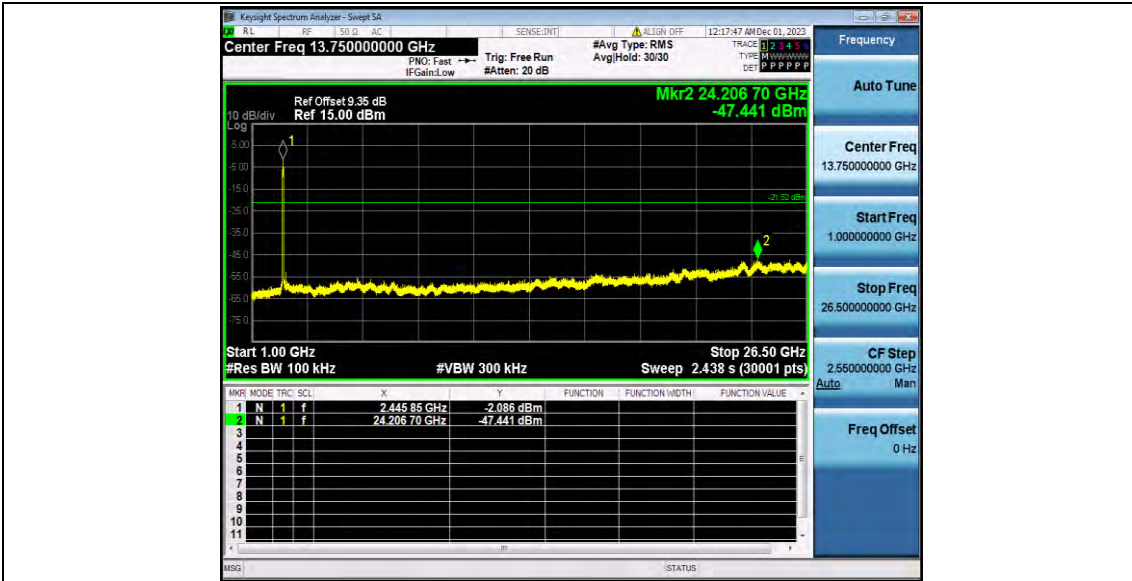
11N40SISO_Ant2_2422_1000~26500



11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference

