

Case No. : GTS20221219016-1-3	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.1.4	Test Engineer: Jenny zeng

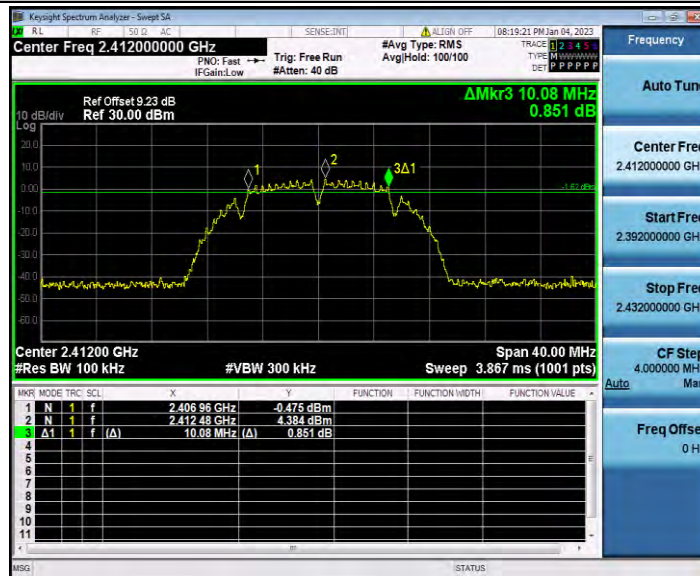
Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.040	2432.000	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant2	2412	11.680	2406.600	2418.280	0.5	PASS
		2437	14.440	2429.440	2443.880	0.5	PASS
		2462	16.280	2453.880	2470.160	0.5	PASS
11N20SISO	Ant2	2412	12.680	2406.600	2419.280	0.5	PASS
		2437	11.720	2430.680	2442.400	0.5	PASS
		2462	16.240	2453.520	2469.760	0.5	PASS
11N40SISO	Ant2	2422	34.960	2404.480	2439.440	0.5	PASS
		2437	29.440	2423.880	2453.320	0.5	PASS
		2452	30.640	2438.880	2469.520	0.5	PASS

Test Graphs

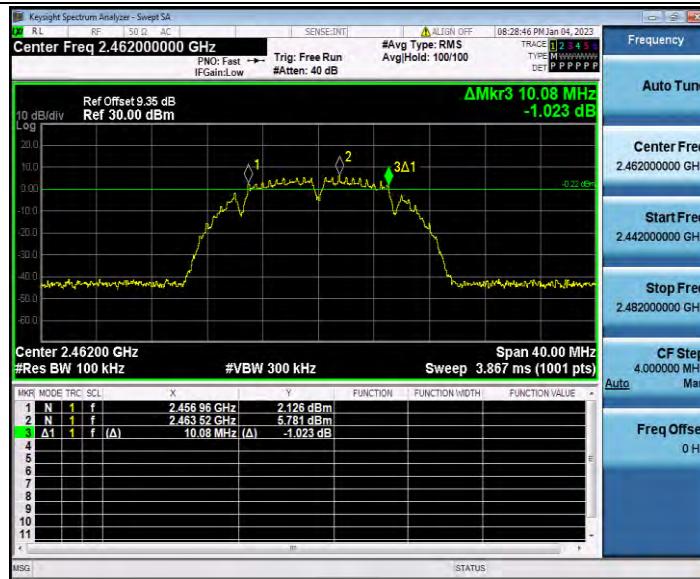
11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



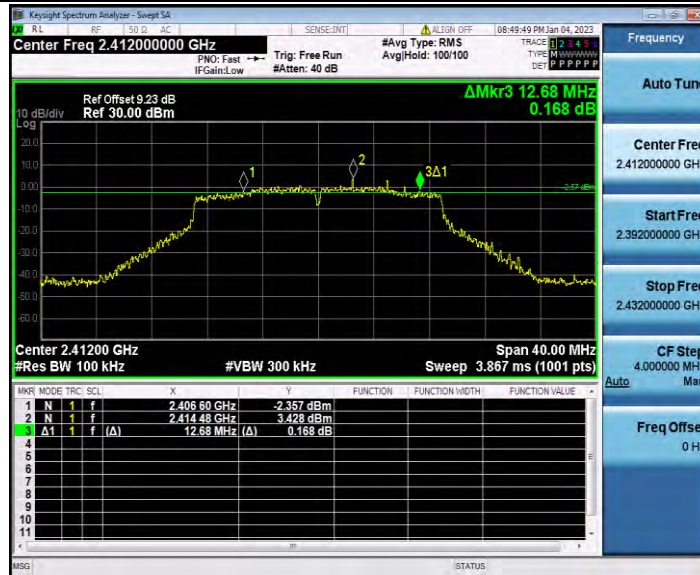
11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



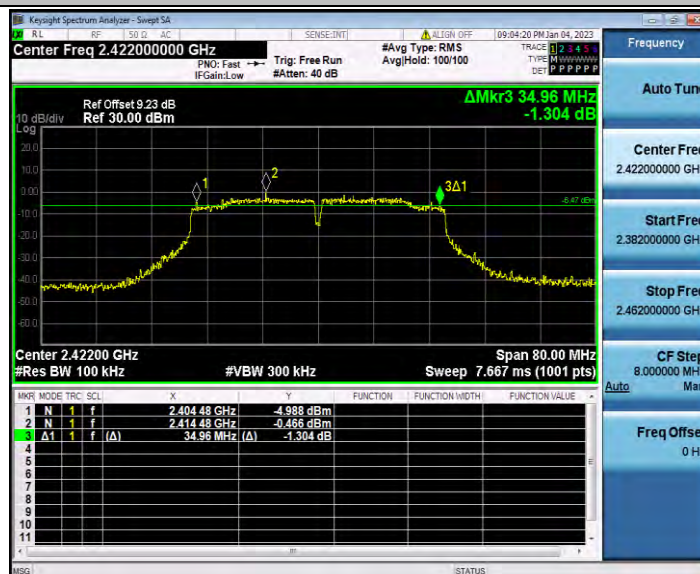
11N20SISO_Ant2_2437



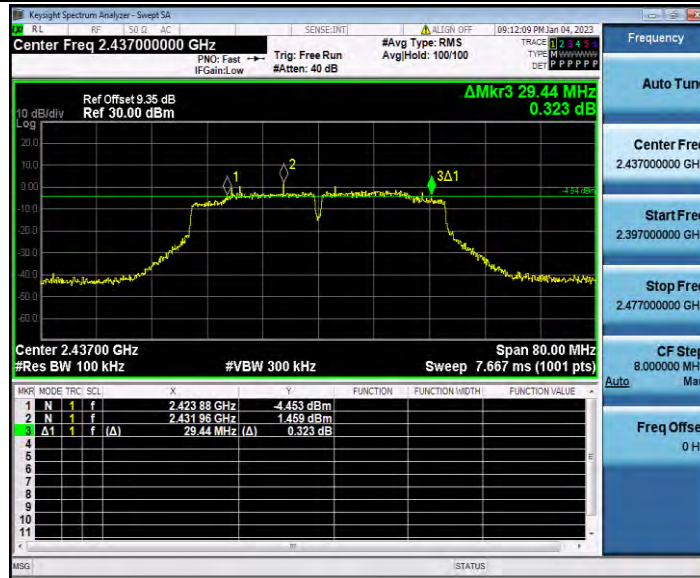
11N20SISO_Ant2_2462



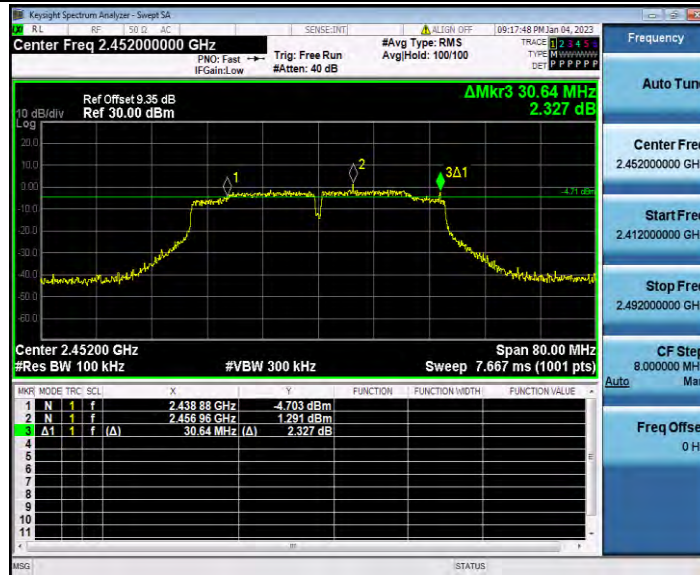
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



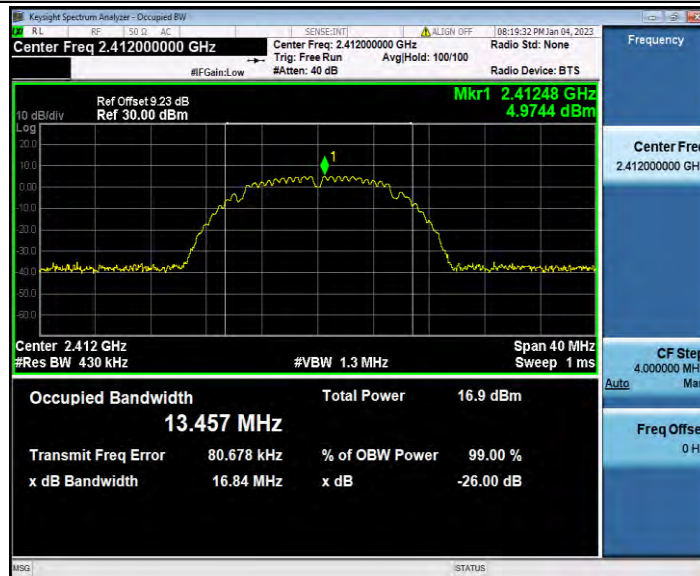
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	13.457	2405.352	2418.809	---	---
		2437	13.418	2430.343	2443.761	---	---
		2462	13.406	2455.277	2468.683	---	---
11G	Ant2	2412	16.883	2403.635	2420.518	---	---
		2437	16.817	2428.666	2445.483	---	---
		2462	16.811	2453.567	2470.378	---	---
11N20SISO	Ant2	2412	17.942	2403.098	2421.040	---	---
		2437	17.883	2428.107	2445.990	---	---
		2462	17.903	2453.022	2470.925	---	---
11N40SISO	Ant2	2422	36.071	2403.983	2440.054	---	---
		2437	36.071	2419.099	2455.170	---	---
		2452	35.944	2434.101	2470.045	---	---

Test Graphs

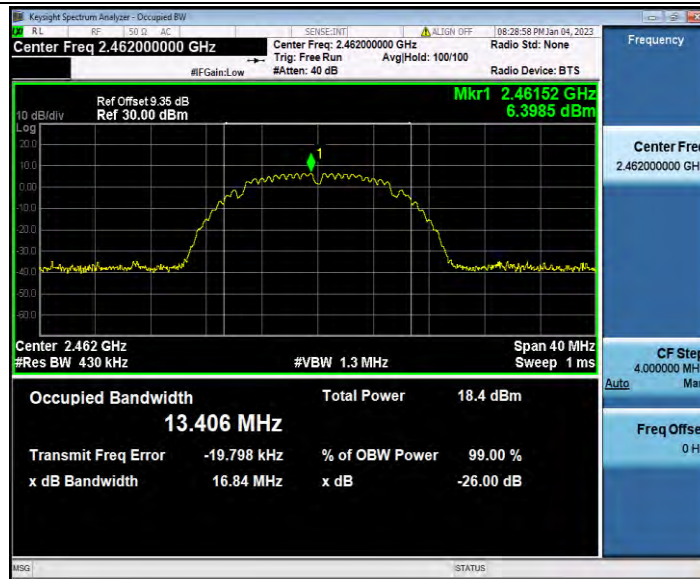
11B_Ant2_2412



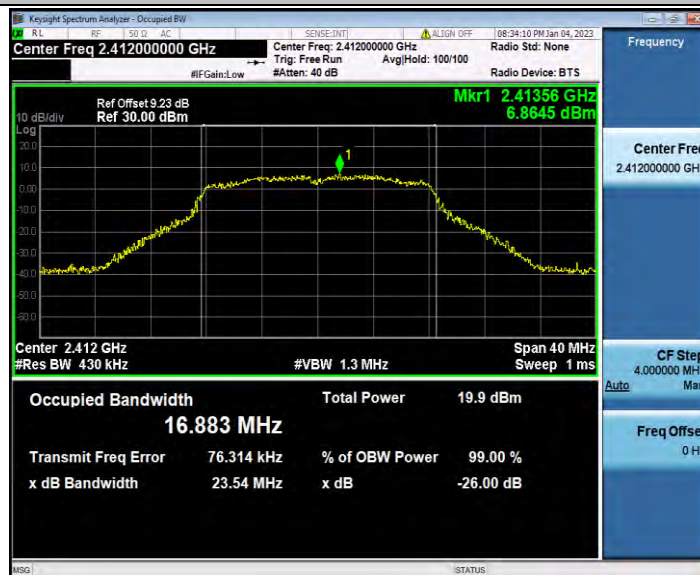
11B_Ant2_2437



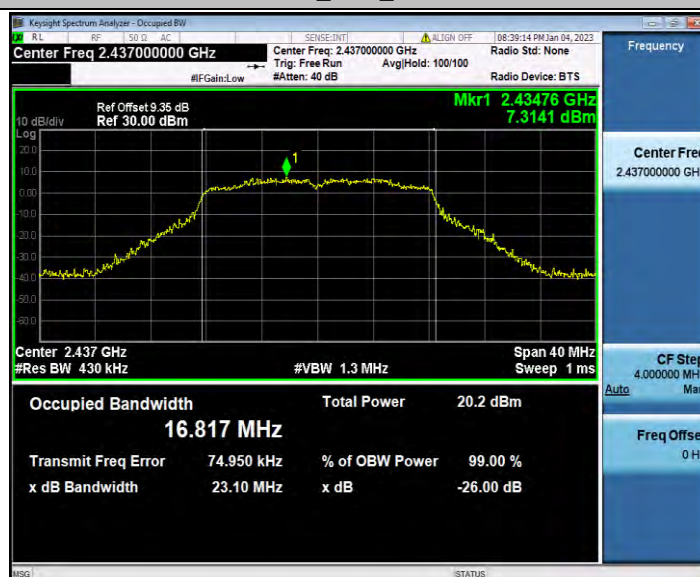
11B_Ant2_2462



11G_Ant2_2412



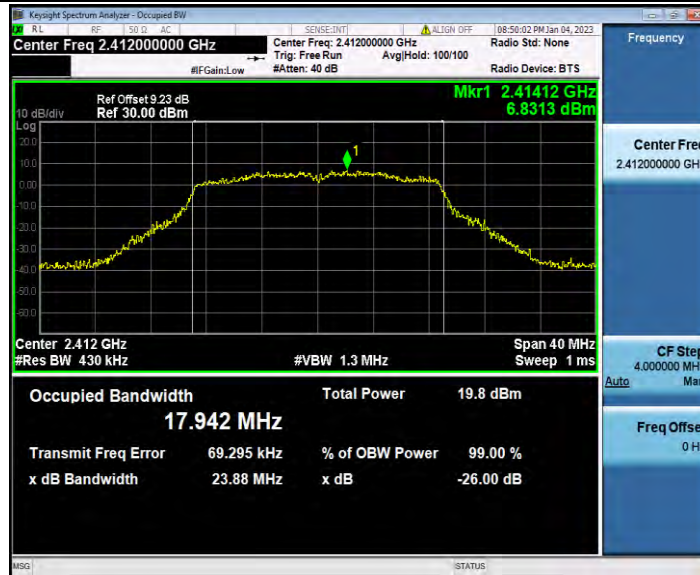
11G_Ant2_2437



11G_Ant2_2462



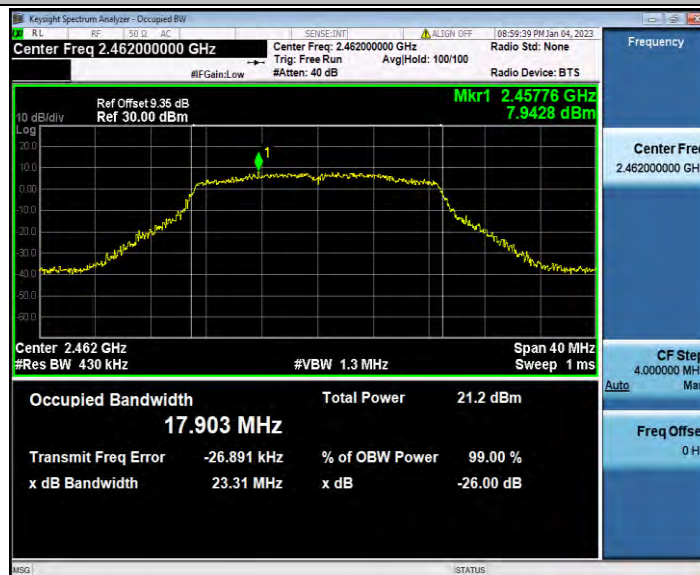
11N20SISO_Ant2_2412



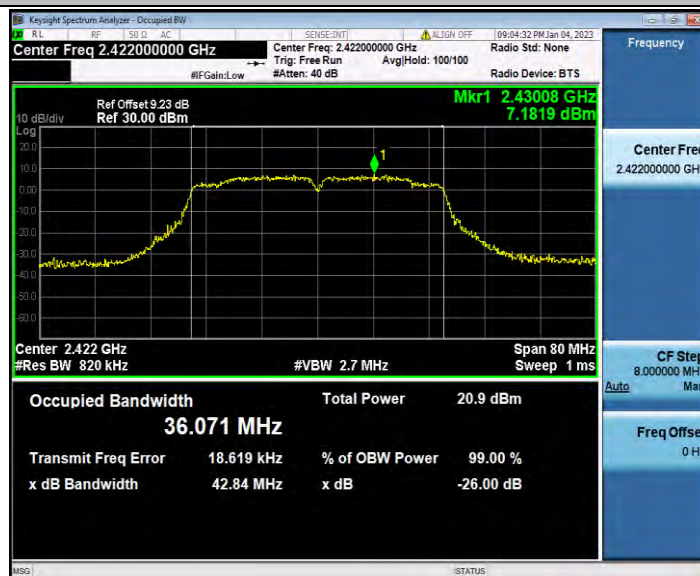
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



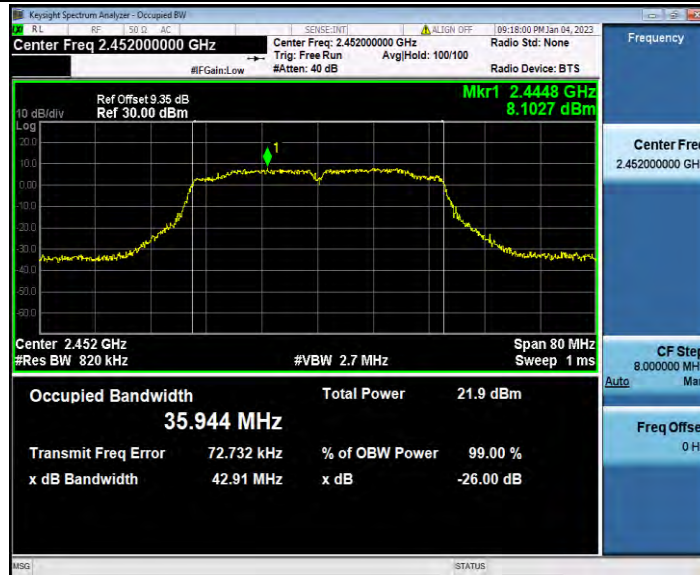
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	16.98	≤30.00	PASS
		2437	17.42	≤30.00	PASS
		2462	18.40	≤30.00	PASS
11G	Ant2	2412	20.90	≤30.00	PASS
		2437	21.30	≤30.00	PASS
		2462	22.22	≤30.00	PASS
11N20SISO	Ant2	2412	20.90	≤30.00	PASS
		2437	21.37	≤30.00	PASS
		2462	22.23	≤30.00	PASS
11N40SISO	Ant2	2422	21.19	≤30.00	PASS
		2437	21.86	≤30.00	PASS
		2452	22.21	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-9.43	≤8.00	PASS
		2437	-8.39	≤8.00	PASS
		2462	-7.33	≤8.00	PASS
11G	Ant2	2412	-10.68	≤8.00	PASS
		2437	-10.53	≤8.00	PASS
		2462	-8.55	≤8.00	PASS
11N20SISO	Ant2	2412	-11.18	≤8.00	PASS
		2437	-9.76	≤8.00	PASS
		2462	-8.82	≤8.00	PASS
11N40SISO	Ant2	2422	-13.82	≤8.00	PASS
		2437	-12.27	≤8.00	PASS
		2452	-11.08	≤8.00	PASS

Test Graphs

11B_Ant2_2412



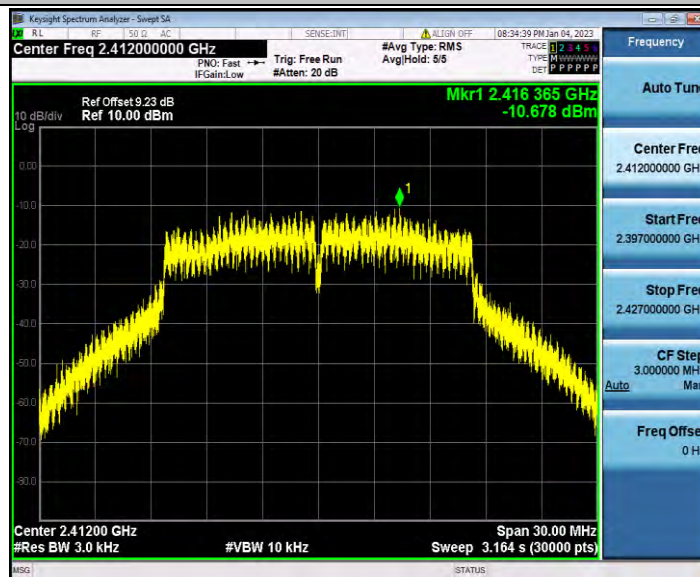
11B_Ant2_2437



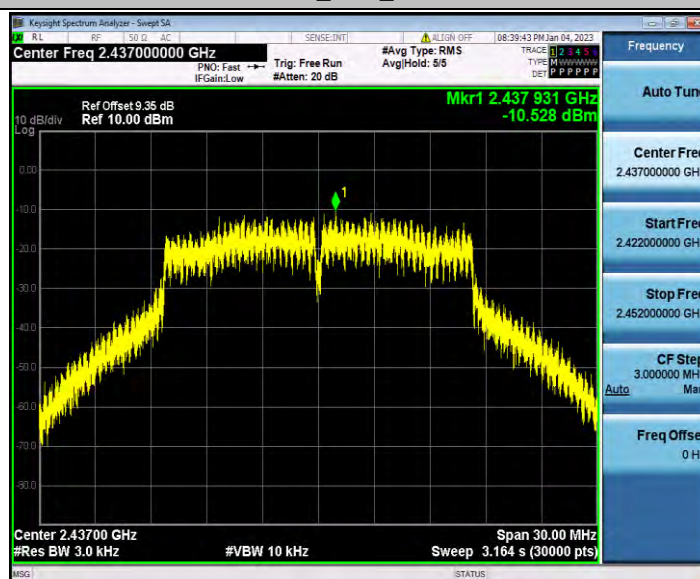
11B_Ant2_2462



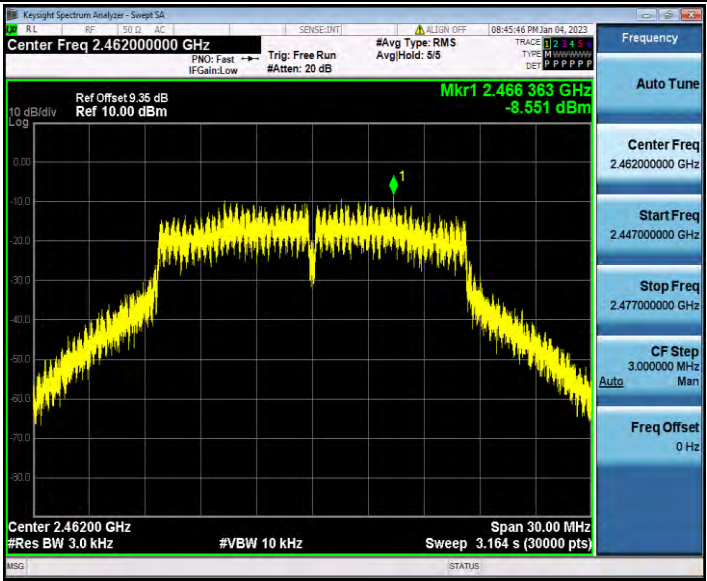
11G_Ant2_2412



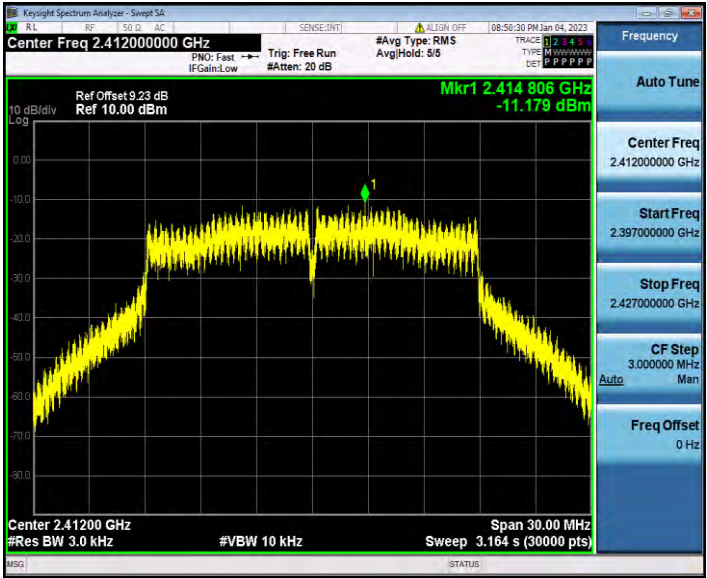
11G_Ant2_2437



11G_Ant2_2462



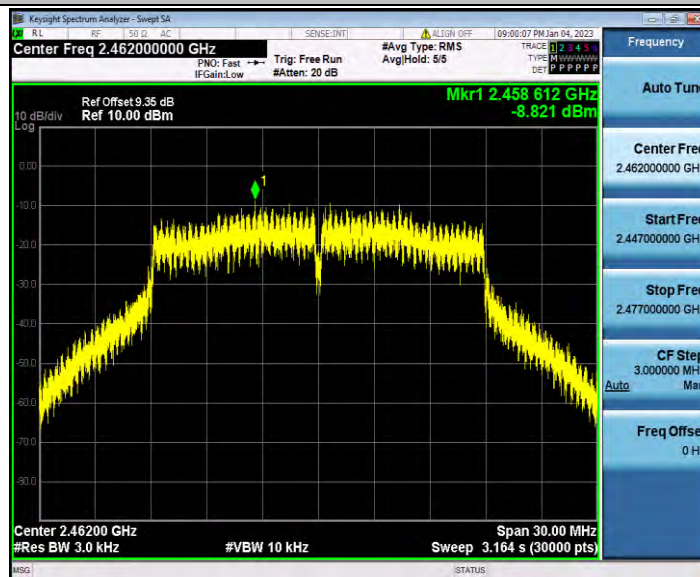
11N20SISO_Ant2_2412



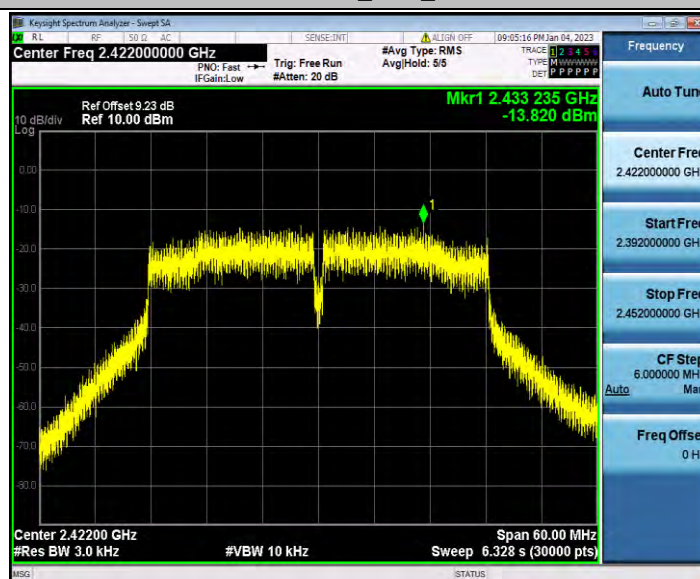
11N20SISO_Ant2_2437



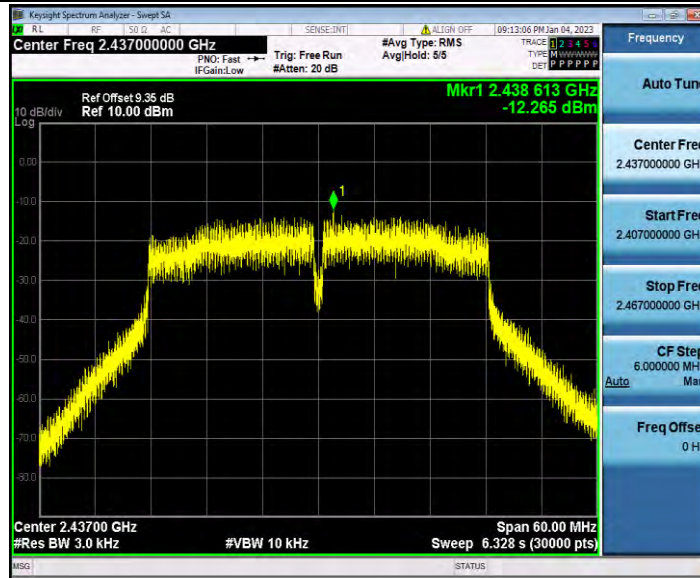
11N20SISO_Ant2_2462



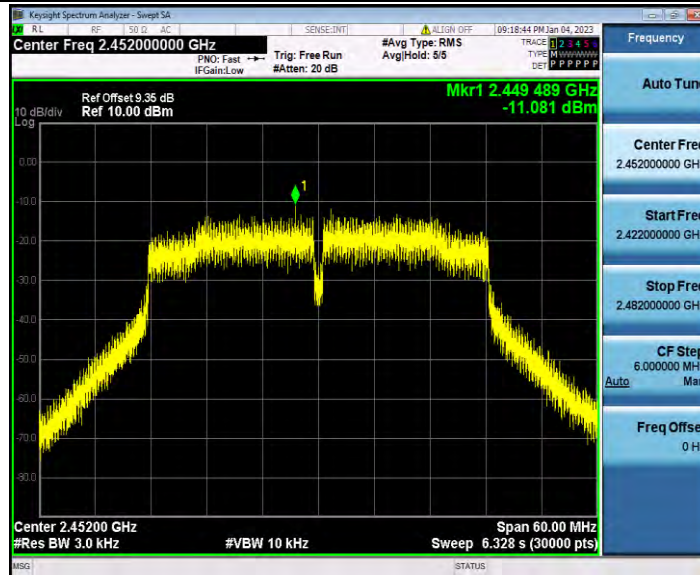
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



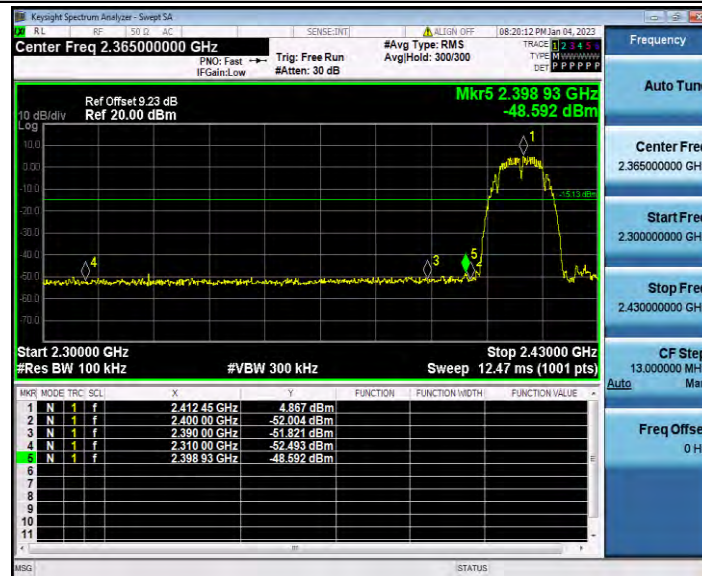
Appendix C.5: Band edge measurements

Test Result

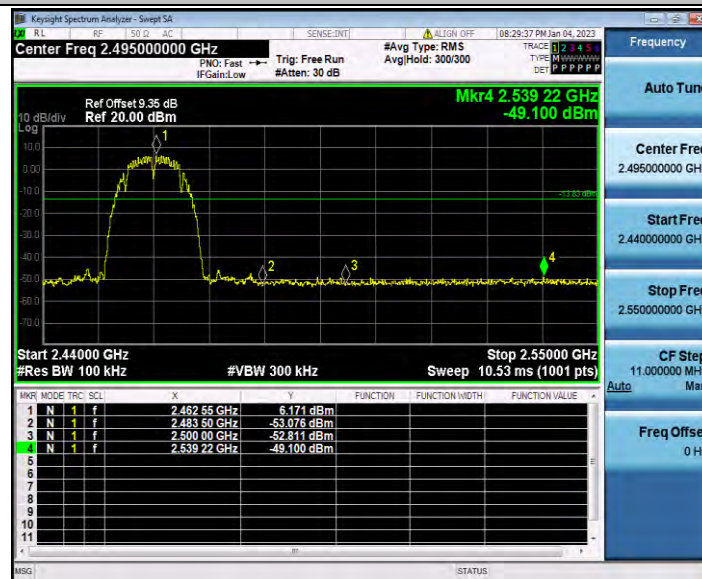
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	4.87	-48.59	≤-15.13	PASS
		High	2462	6.17	-49.1	≤-13.83	PASS
11G	Ant2	Low	2412	3.55	-28.18	≤-16.45	PASS
		High	2462	5.87	-48.81	≤-14.13	PASS
11N20SISO	Ant2	Low	2412	3.71	-27.43	≤-16.29	PASS
		High	2462	5.26	-49.29	≤-14.74	PASS
11N40SISO	Ant2	Low	2422	0.30	-27.34	≤-19.71	PASS
		High	2452	2.02	-42.59	≤-17.99	PASS

Test Graphs

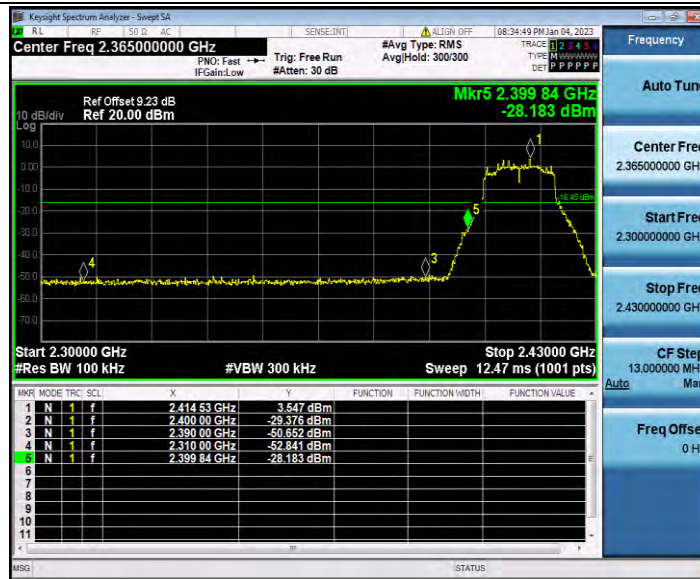
11B_Ant2_Low_2412



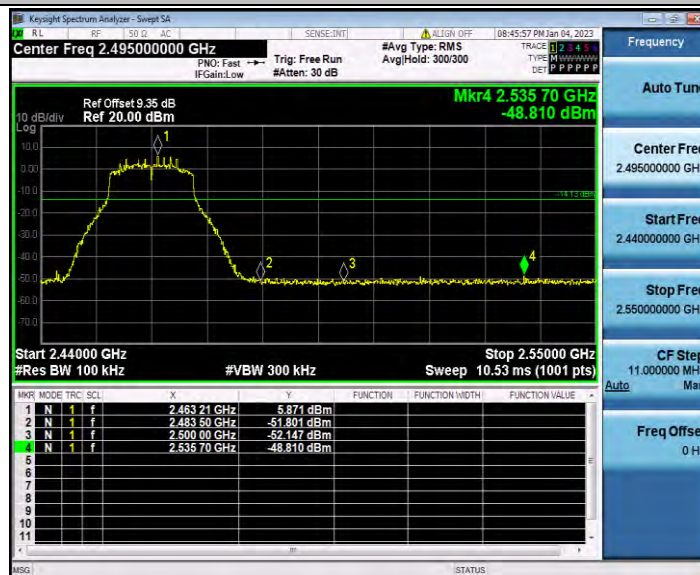
11B_Ant2_High_2462



11G_Ant2_Low_2412



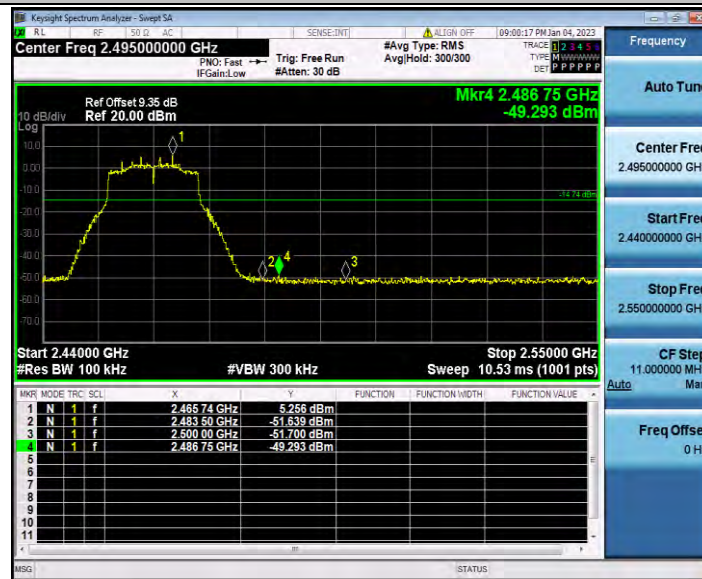
11G_Ant2_High_2462



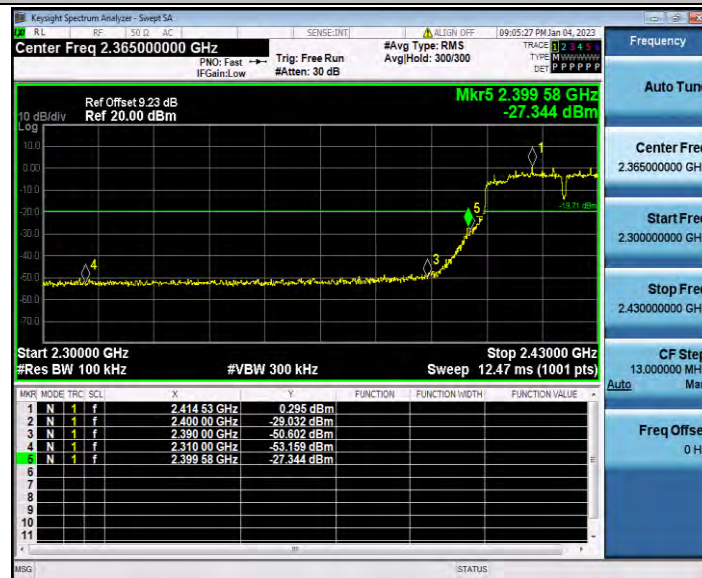
11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

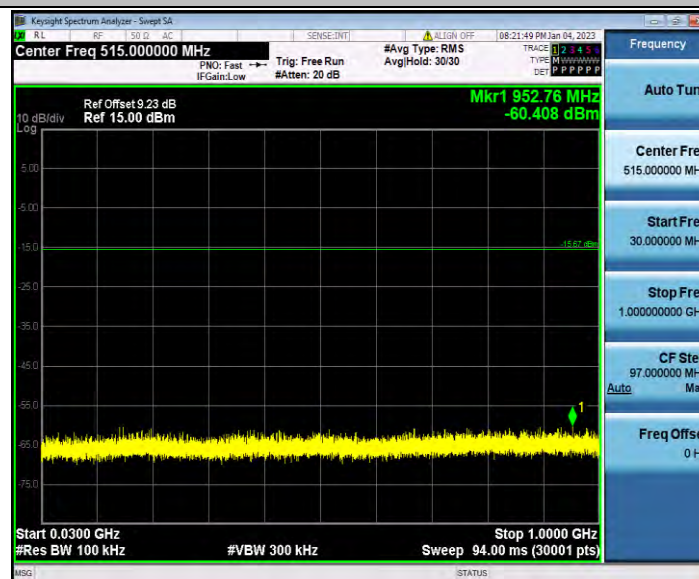
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	4.33	4.33	---	PASS
			30~1000	4.33	-60.41	≤ -15.67	PASS
			1000~26500	4.33	-46.94	≤ -15.67	PASS
		2437	Reference	4.32	4.32	---	PASS
			30~1000	4.32	-59.88	≤ -15.68	PASS
			1000~26500	4.32	-47.91	≤ -15.68	PASS
		2462	Reference	4.08	4.08	---	PASS
			30~1000	4.08	-59.57	≤ -15.92	PASS
			1000~26500	4.08	-47.66	≤ -15.92	PASS
11G	Ant2	2412	Reference	2.23	2.23	---	PASS
			30~1000	2.23	-60.46	≤ -17.77	PASS
			1000~26500	2.23	-47.43	≤ -17.77	PASS
		2437	Reference	3.31	3.31	---	PASS
			30~1000	3.31	-59.97	≤ -16.69	PASS
			1000~26500	3.31	-47.29	≤ -16.69	PASS
		2462	Reference	1.97	1.97	---	PASS
			30~1000	1.97	-47.77	≤ -18.03	PASS
			1000~26500	1.97	-47.23	≤ -18.03	PASS
11N20SISO	Ant2	2412	Reference	-0.27	-0.27	---	PASS
			30~1000	-0.27	-44.02	≤ -20.27	PASS
			1000~26500	-0.27	-47.59	≤ -20.27	PASS
		2437	Reference	-0.14	-0.14	---	PASS
			30~1000	-0.14	-60.31	≤ -20.14	PASS
			1000~26500	-0.14	-47.42	≤ -20.14	PASS
		2462	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-59.9	≤ -18.59	PASS
			1000~26500	1.41	-47.41	≤ -18.59	PASS
11N40SISO	Ant2	2422	Reference	-2.68	-2.68	---	PASS
			30~1000	-2.68	-60.55	≤ -22.68	PASS
			1000~26500	-2.68	-47.17	≤ -22.68	PASS
		2437	Reference	-2.46	-2.46	---	PASS
			30~1000	-2.46	-59.85	≤ -22.46	PASS
			1000~26500	-2.46	-47.22	≤ -22.46	PASS
		2452	Reference	-1.69	-1.69	---	PASS
			30~1000	-1.69	-60.4	≤ -21.69	PASS
			1000~26500	-1.69	-47.87	≤ -21.69	PASS

Test Graphs

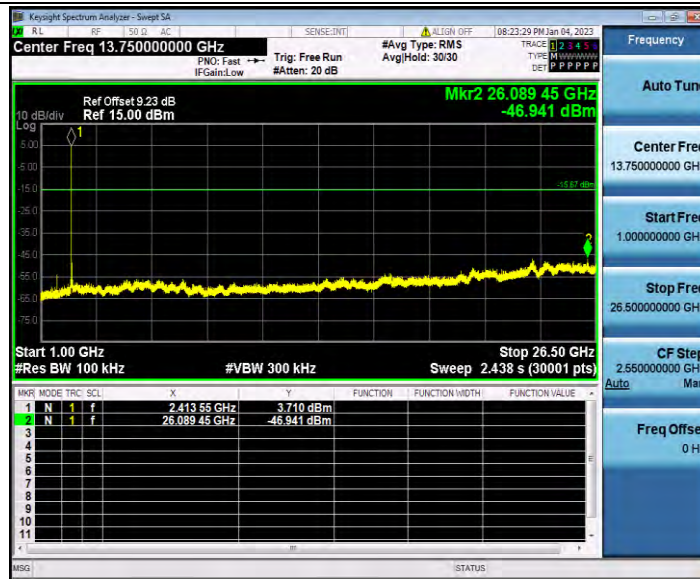
11B_Ant2_2412_0~Reference



11B_Ant2_2412_30~1000



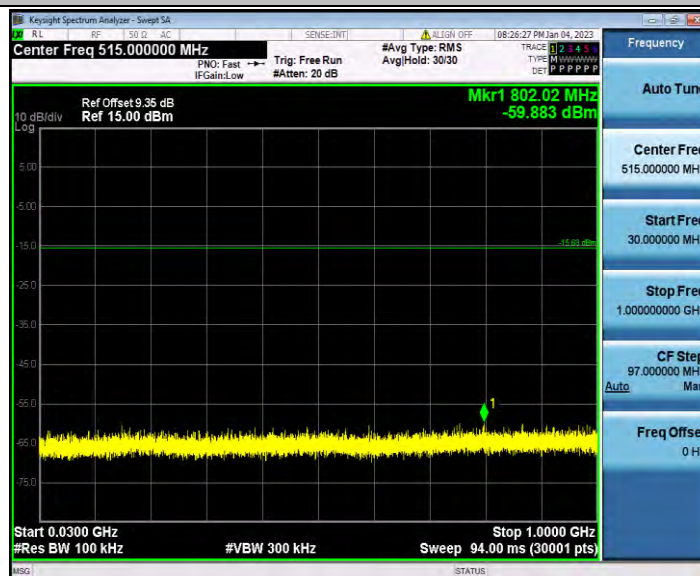
11B_Ant2_2412_1000~26500



11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



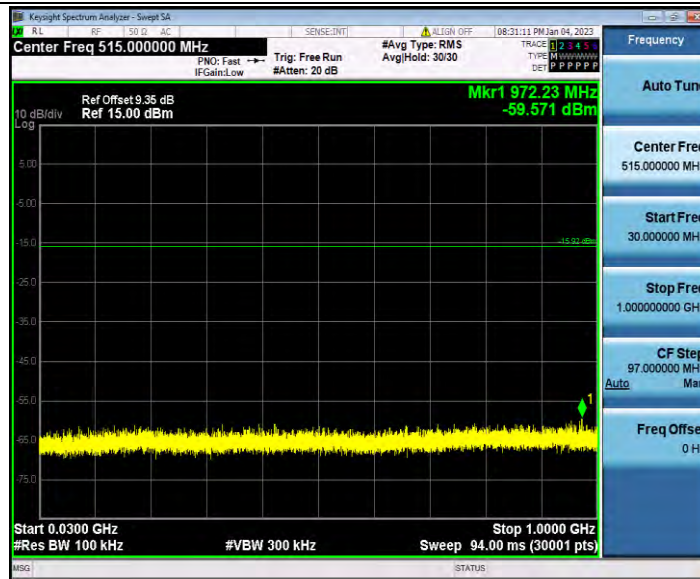
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000



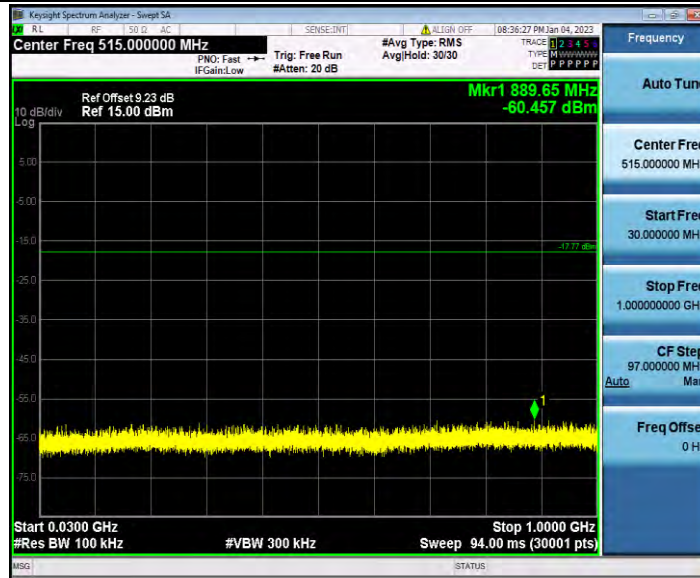
11B_Ant2_2462_1000~26500



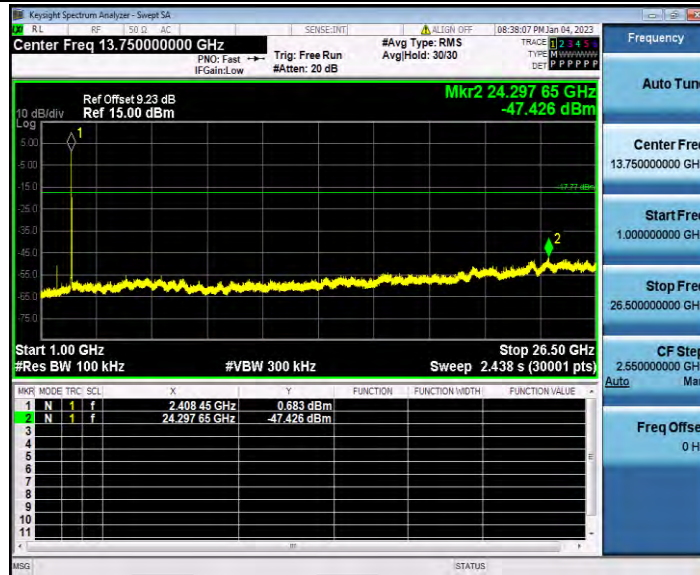
11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



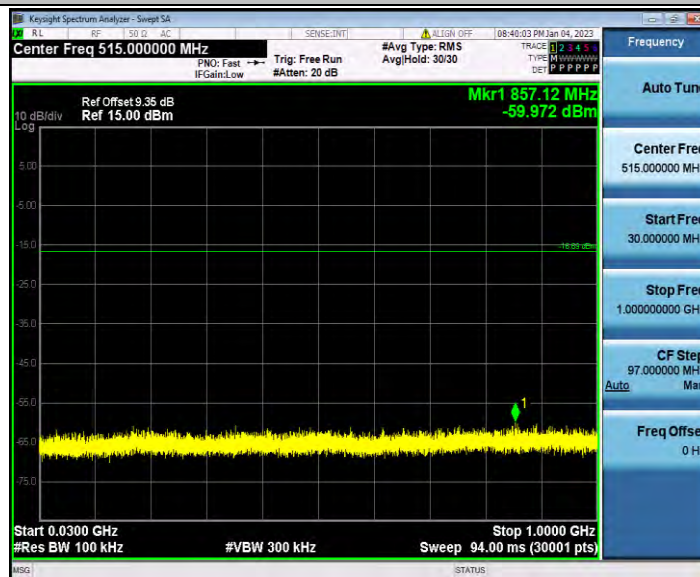
11G_Ant2_2412_1000~26500



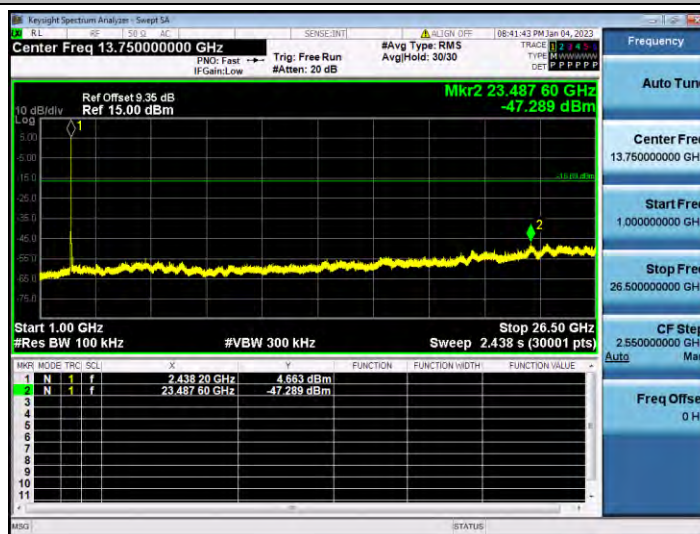
11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000



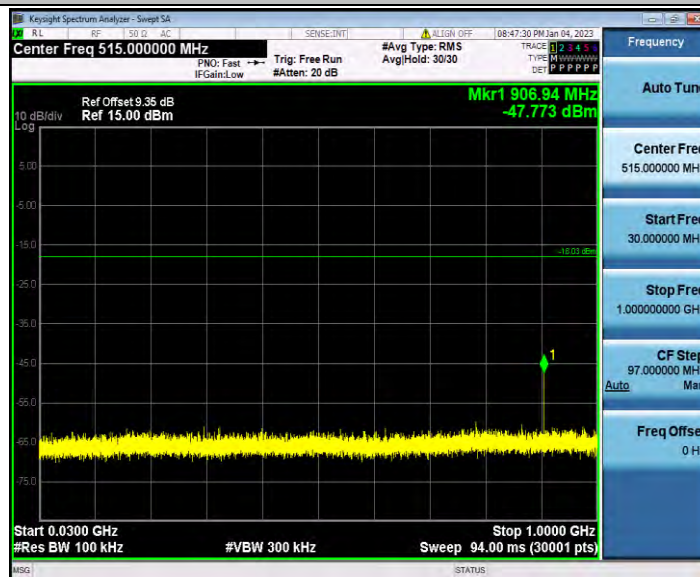
11G_Ant2_2437_1000~26500



11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



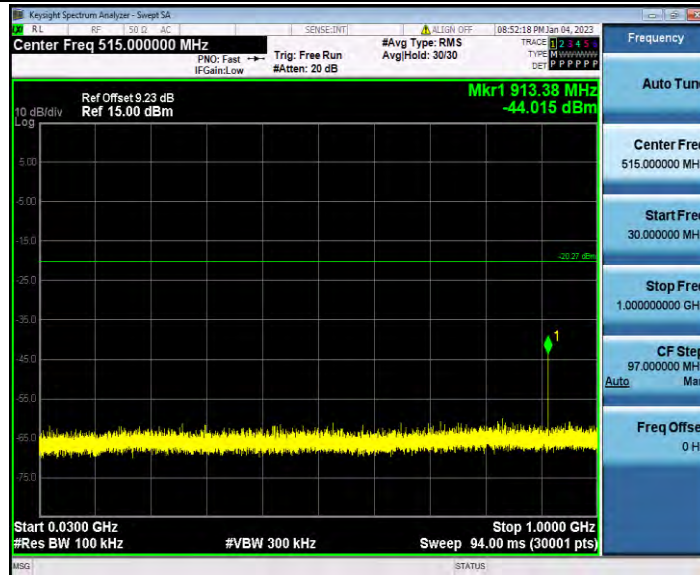
11G_Ant2_2462_1000~26500



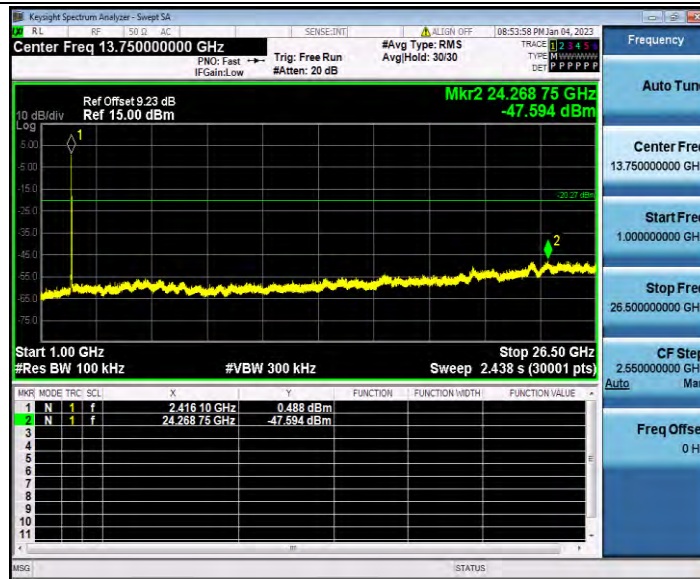
11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



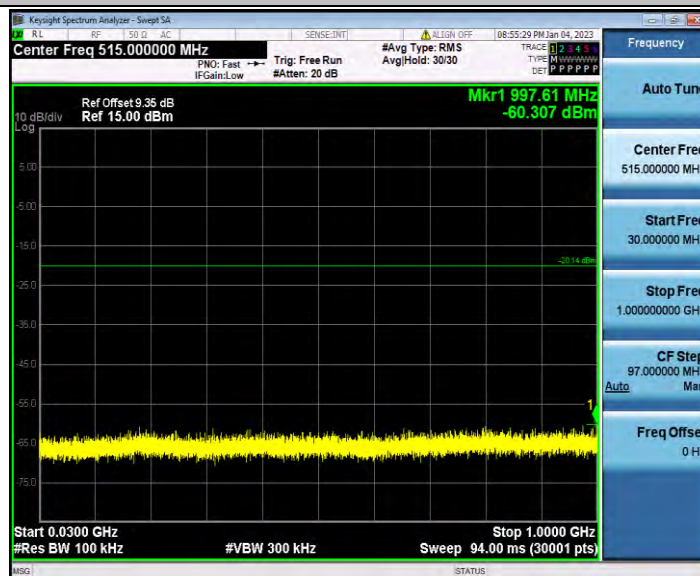
11N20SISO_Ant2_2412_1000~26500



11N20SISO_Ant2_2437_0~Reference



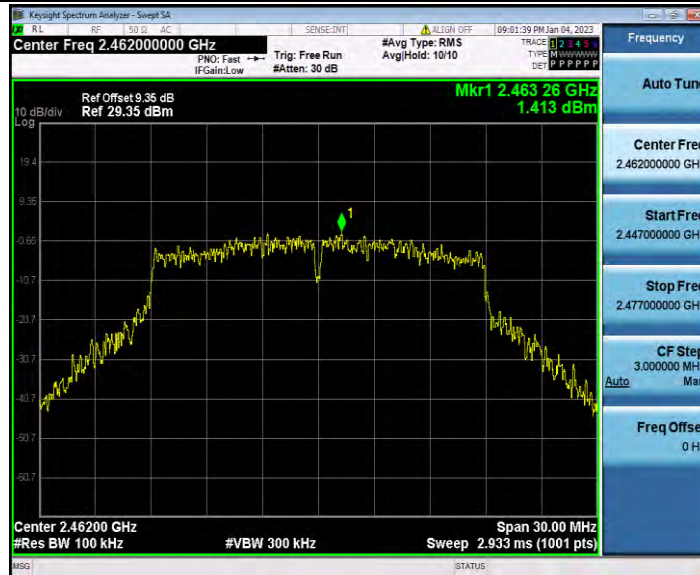
11N20SISO_Ant2_2437_30~1000



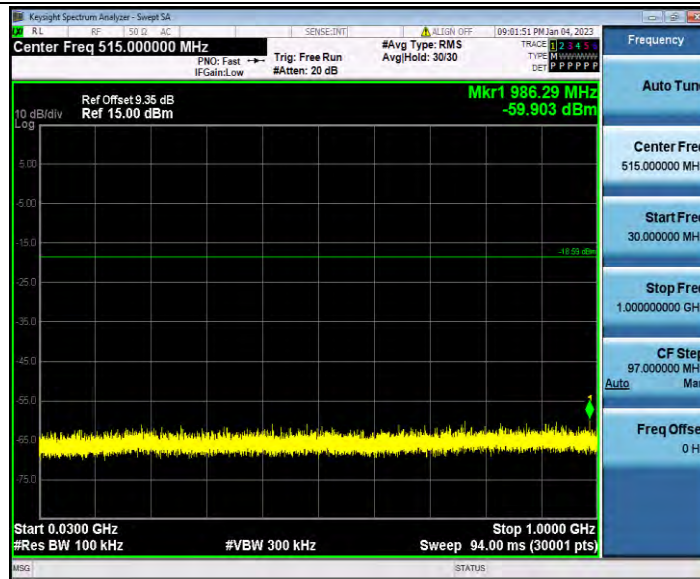
11N20SISO_Ant2_2437_1000~26500



11N20SISO_Ant2_2462_0~Reference



11N20SISO_Ant2_2462_30~1000



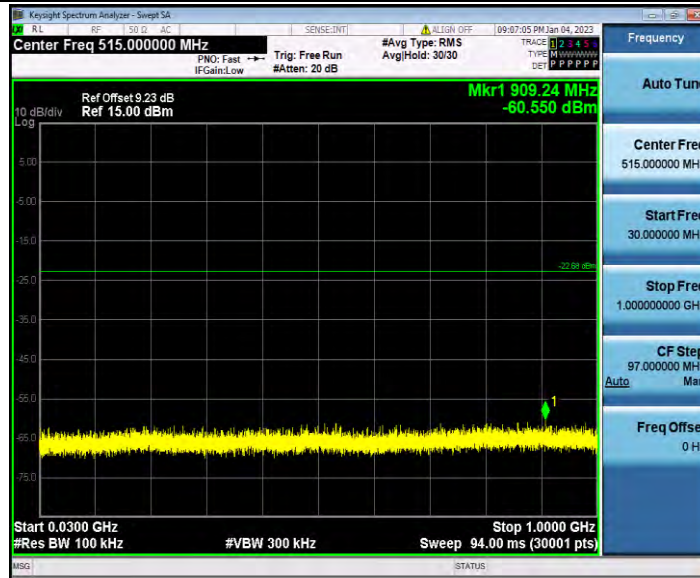
11N20SISO_Ant2_2462_1000~26500



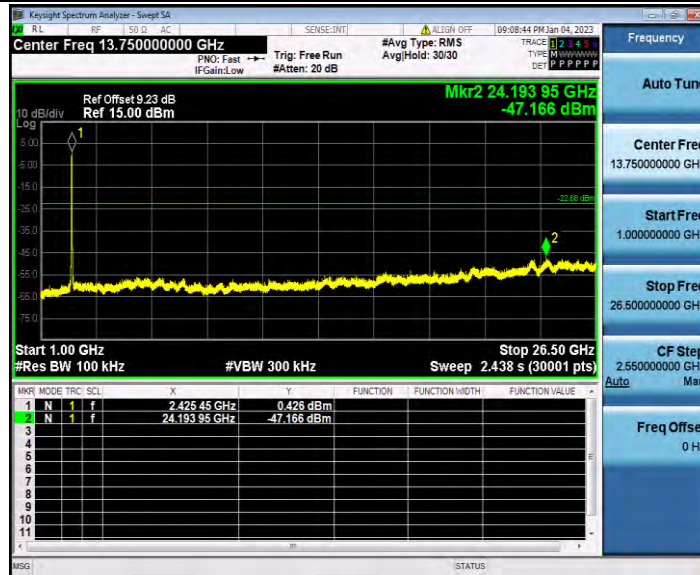
11N40SISO_Ant2_2422_0~Reference



11N40SISO_Ant2_2422_30~1000



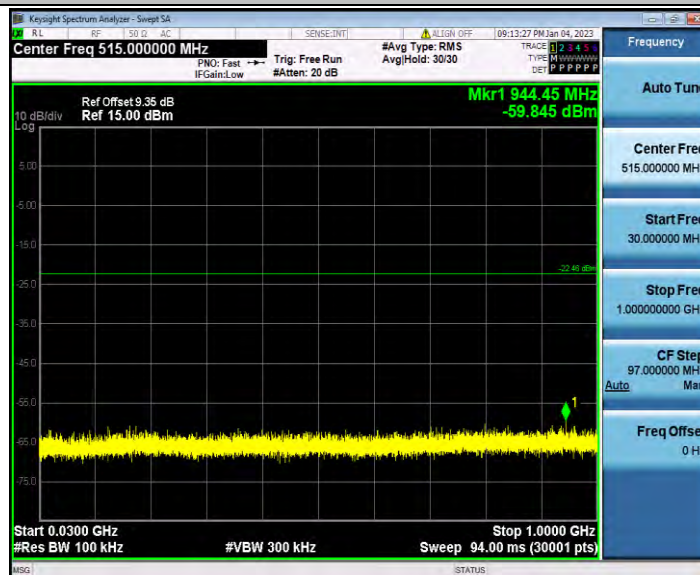
11N40SISO_Ant2_2422_1000~26500



11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



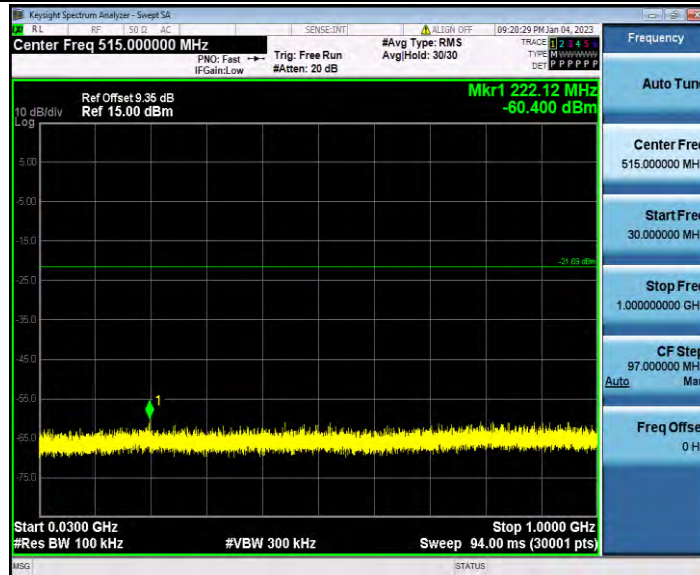
11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000



11N40SISO_Ant2_2452_1000~26500

