

Case No. : GTS20230105004-1-3	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.2.2	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	Ant1	2412	9.520	2407.480	2417.000	0.5	PASS
		2437	9.080	2432.440	2441.520	0.5	PASS
		2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	15.560	2404.200	2419.760	0.5	PASS
		2437	15.000	2429.440	2444.440	0.5	PASS
		2462	15.000	2454.440	2469.440	0.5	PASS
11N20SISO	Ant1	2412	15.040	2404.440	2419.480	0.5	PASS
		2437	13.600	2430.960	2444.560	0.5	PASS
		2462	14.800	2454.440	2469.240	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	34.960	2419.480	2454.440	0.5	PASS
		2452	33.840	2435.680	2469.520	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



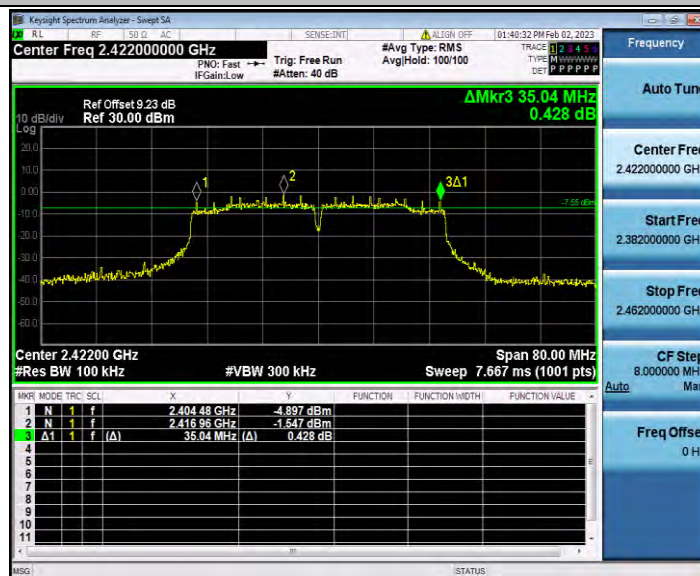
11N20SISO_Ant1_2437



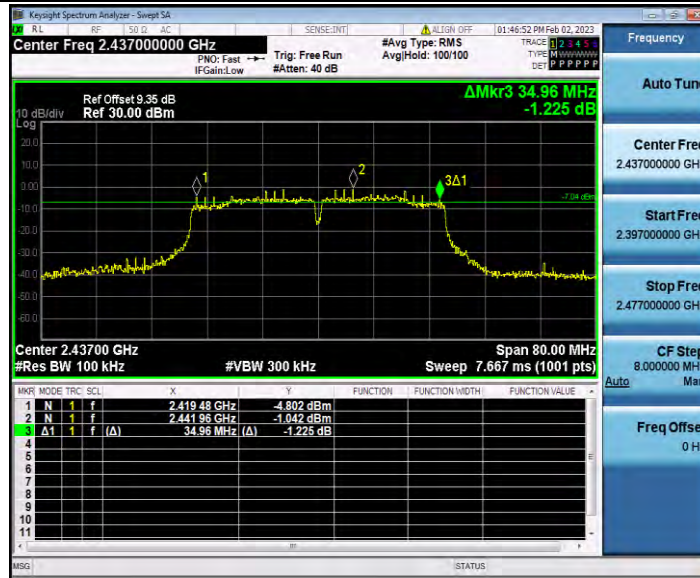
11N20SISO_Ant1_2462



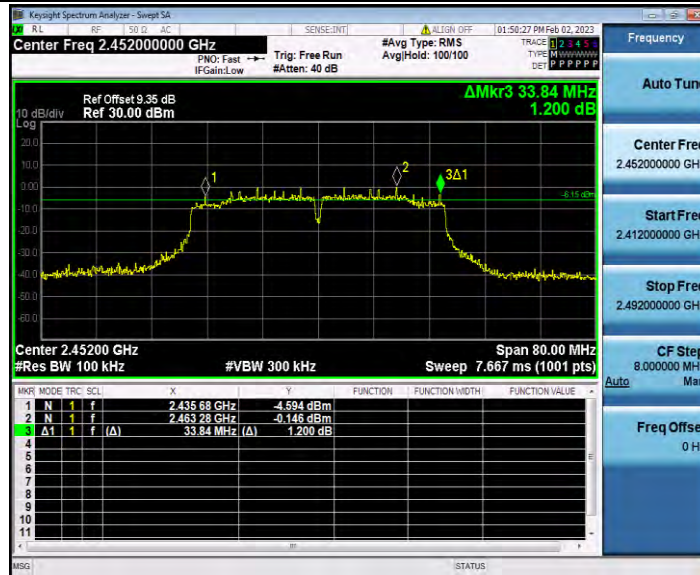
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



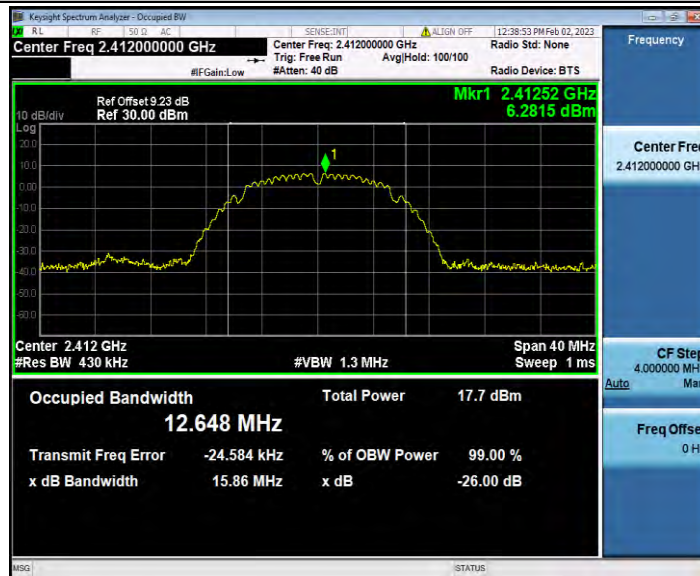
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.648	2405.651	2418.299	---	---
		2437	12.501	2430.786	2443.287	---	---
		2462	12.517	2455.742	2468.259	---	---
11G	Ant1	2412	16.885	2403.527	2420.412	---	---
		2437	16.811	2428.642	2445.453	---	---
		2462	16.784	2453.582	2470.366	---	---
11N20SISO	Ant1	2412	18.000	2402.955	2420.955	---	---
		2437	17.953	2428.045	2445.998	---	---
		2462	17.921	2453.026	2470.947	---	---
11N40SISO	Ant1	2422	36.156	2403.984	2440.140	---	---
		2437	36.216	2418.959	2455.175	---	---
		2452	36.112	2433.999	2470.111	---	---

Test Graphs

11B_Ant1_2412



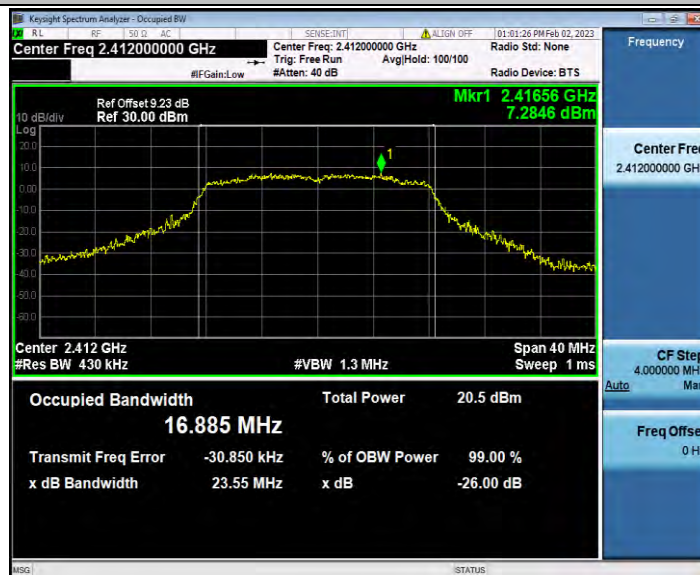
11B_Ant1_2437



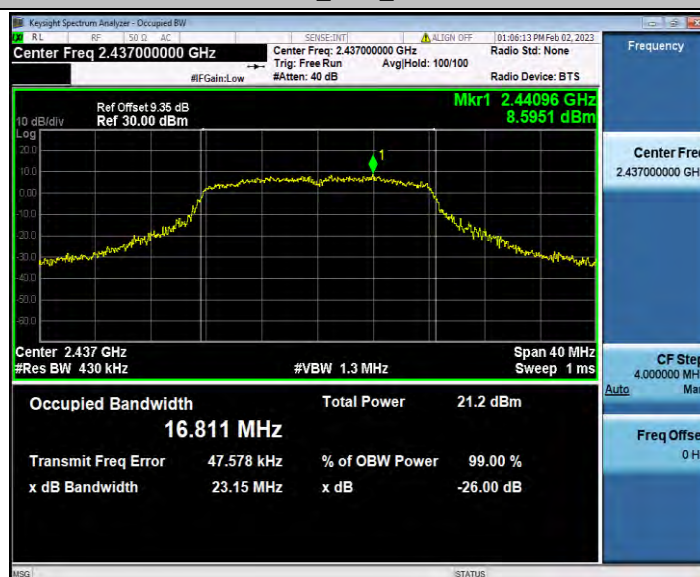
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



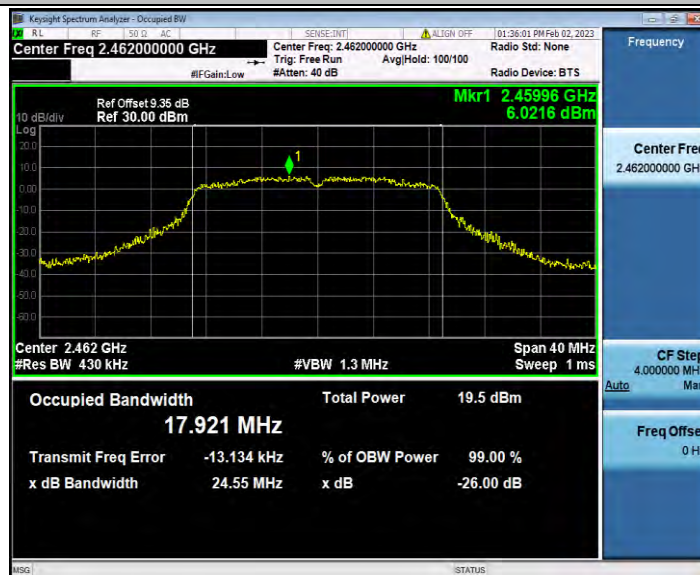
11N20SISO_Ant1_2412



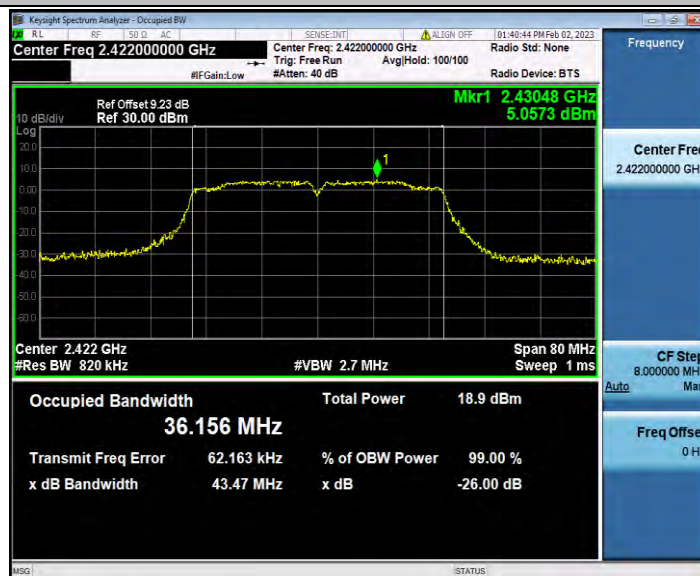
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



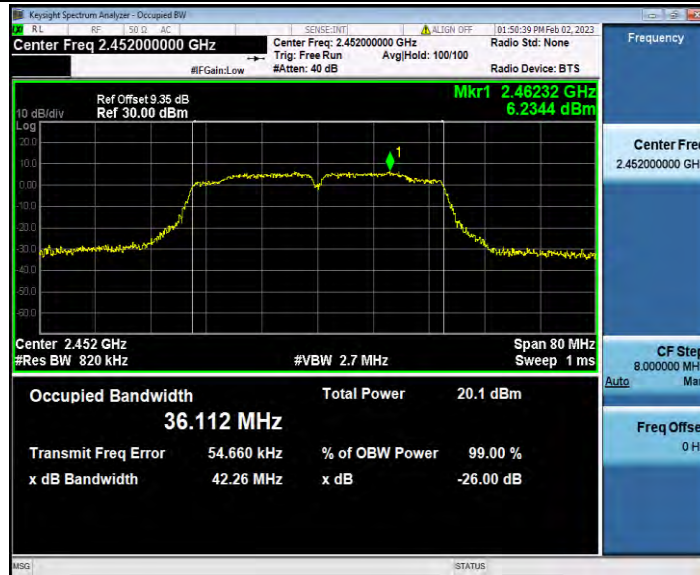
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	17.72	≤30.00	PASS
		2437	18.77	≤30.00	PASS
		2462	19.16	≤30.00	PASS
11G	Ant1	2412	21.59	≤30.00	PASS
		2437	22.43	≤30.00	PASS
		2462	23.14	≤30.00	PASS
11N20SISO	Ant1	2412	21.58	≤30.00	PASS
		2437	19.88	≤30.00	PASS
		2462	20.77	≤30.00	PASS
11N40SISO	Ant1	2422	19.13	≤30.00	PASS
		2437	19.52	≤30.00	PASS
		2452	20.44	≤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	Ant1	2412	-7.67	≤8.00	PASS
		2437	-6.35	≤8.00	PASS
		2462	-5.63	≤8.00	PASS
11G	Ant1	2412	-11.02	≤8.00	PASS
		2437	-9.6	≤8.00	PASS
		2462	-8.91	≤8.00	PASS
11N20SISO	Ant1	2412	-11.61	≤8.00	PASS
		2437	-12.15	≤8.00	PASS
		2462	-10.55	≤8.00	PASS
11N40SISO	Ant1	2422	-15.54	≤8.00	PASS
		2437	-14.1	≤8.00	PASS
		2452	-15.09	≤8.00	PASS

Test Graphs

11B_Ant1_2412



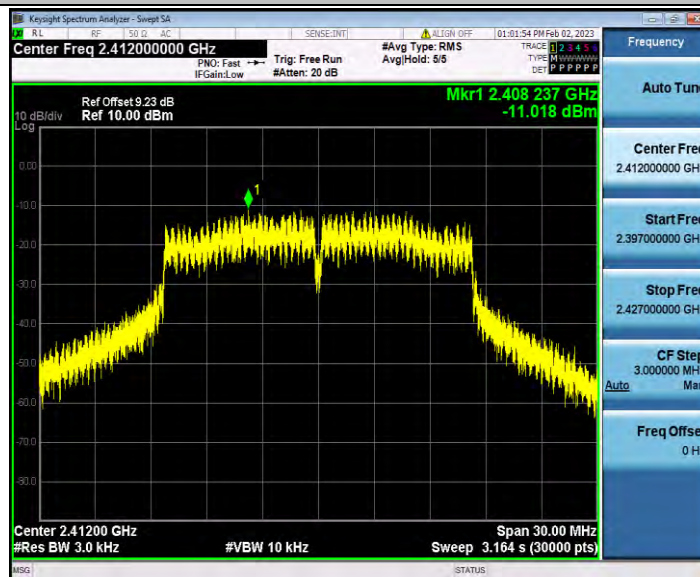
11B_Ant1_2437



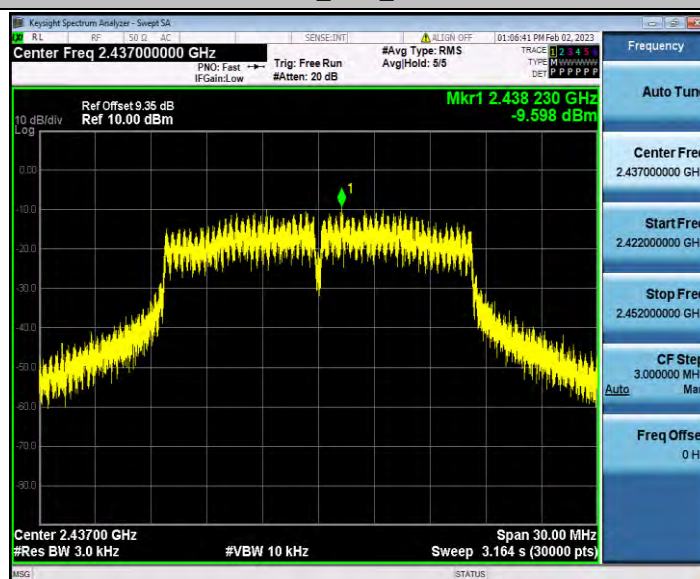
11B_Ant1_2462



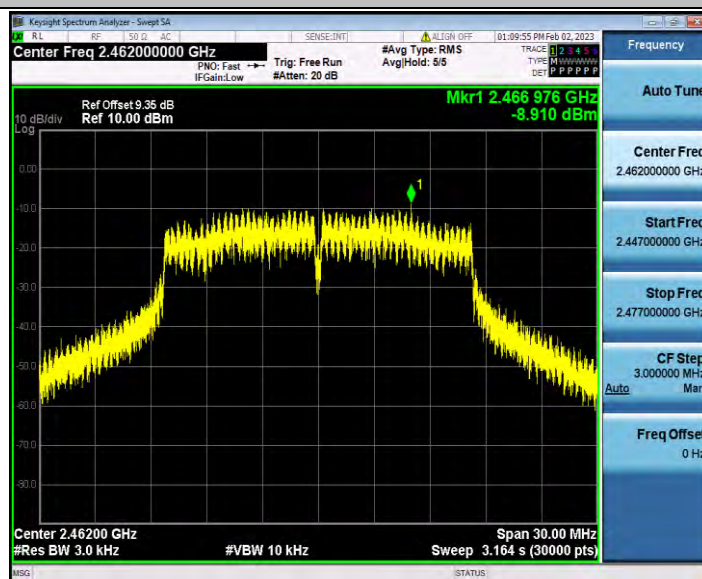
11G_Ant1_2412



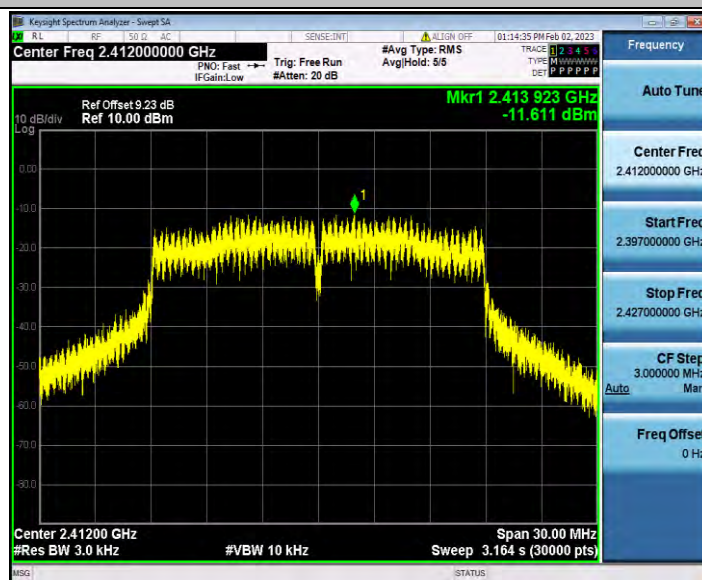
11G_Ant1_2437



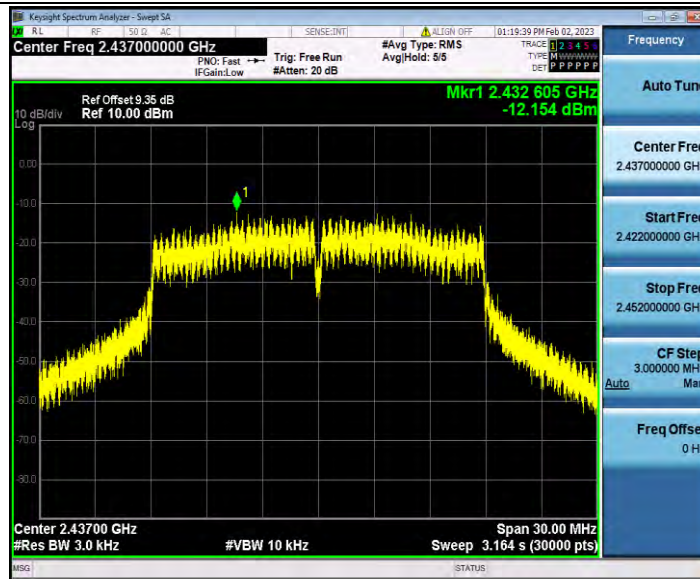
11G_Ant1_2462



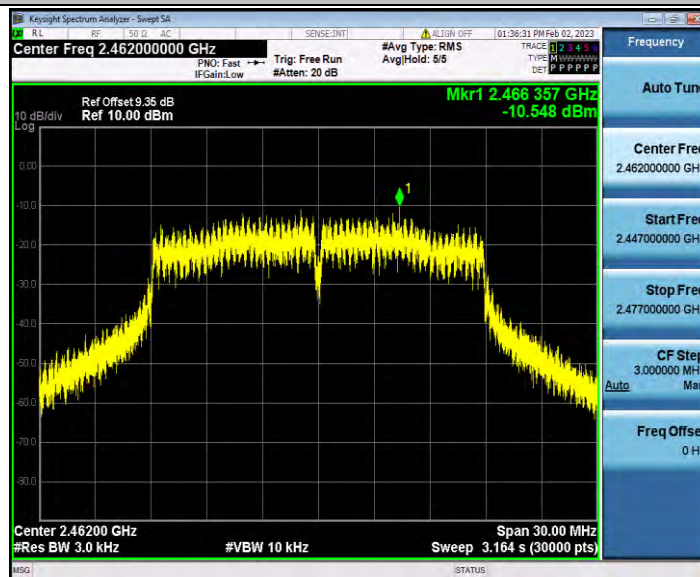
11N20SISO_Ant1_2412



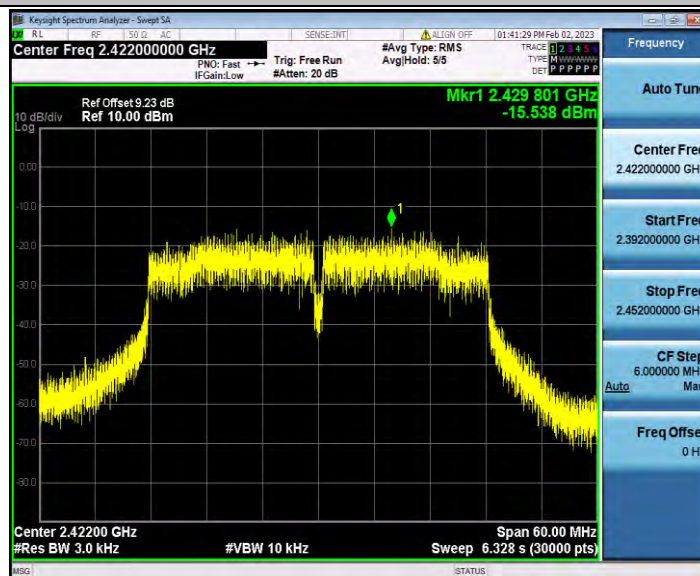
11N20SISO_Ant1_2437



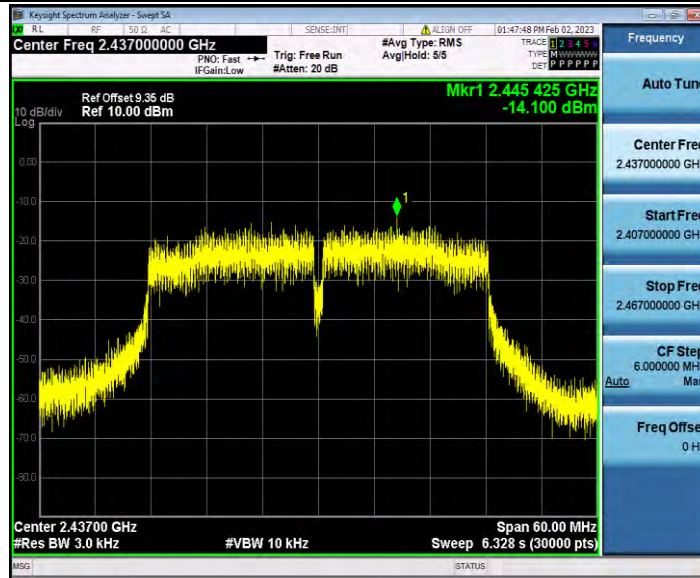
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



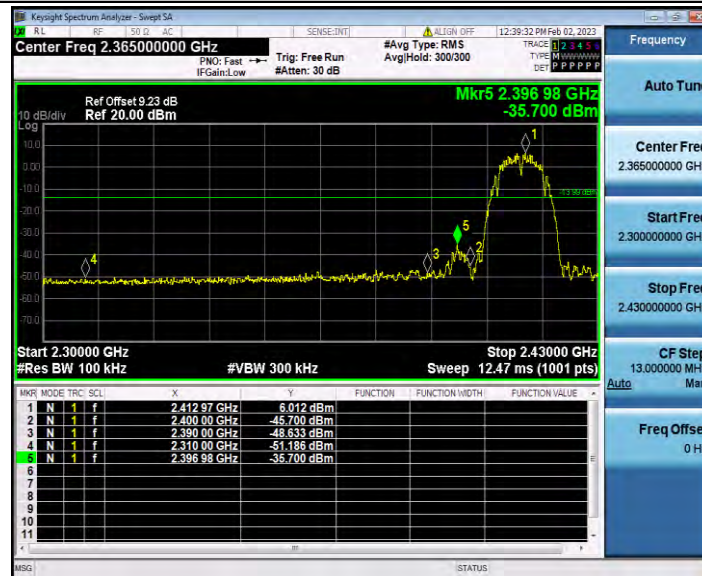
Appendix C.5: Band edge measurements

Test Result

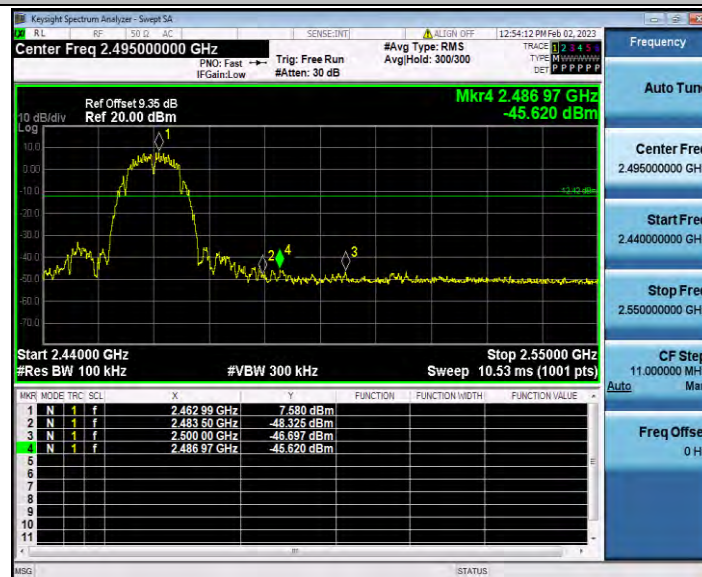
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.01	-35.7	≤ -13.99	PASS
		High	2462	7.58	-45.62	≤ -12.42	PASS
11G	Ant1	Low	2412	4.13	-25.58	≤ -15.87	PASS
		High	2462	5.89	-42.43	≤ -14.11	PASS
11N20SISO	Ant1	Low	2412	3.60	-25.52	≤ -16.4	PASS
		High	2462	3.50	-43.89	≤ -16.51	PASS
11N40SISO	Ant1	Low	2422	-1.10	-30.49	≤ -21.1	PASS
		High	2452	-0.14	-37.51	≤ -20.14	PASS

Test Graphs

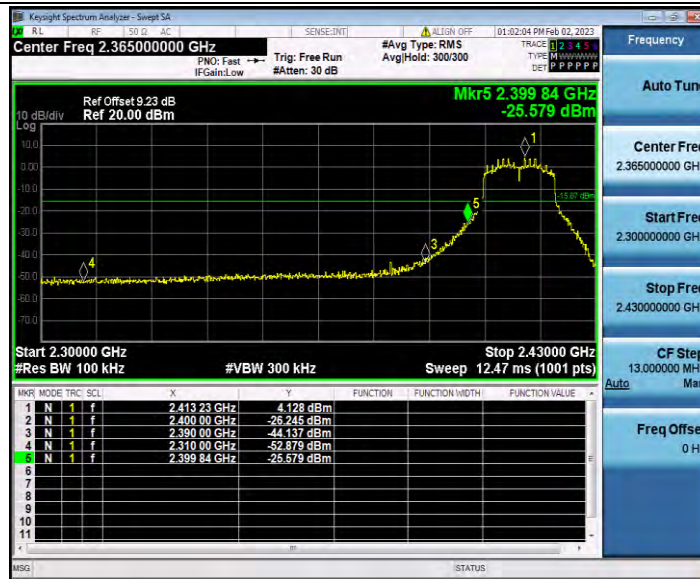
11B_Ant1_Low_2412



11B_Ant1_High_2462



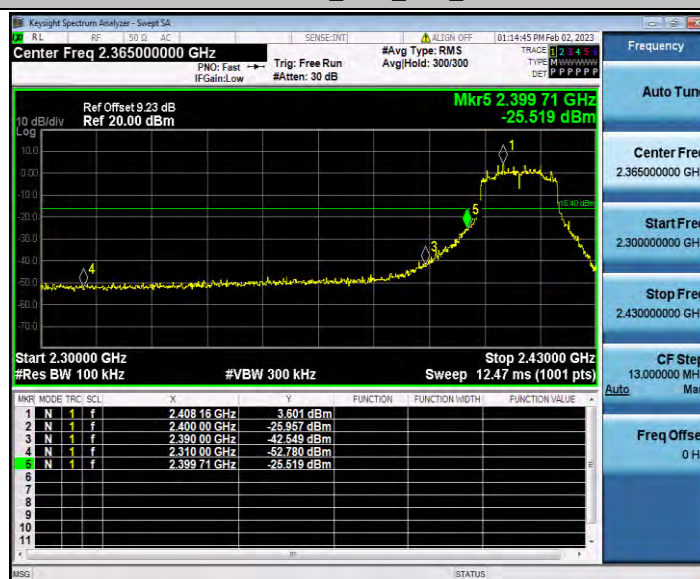
11G_Ant1_Low_2412



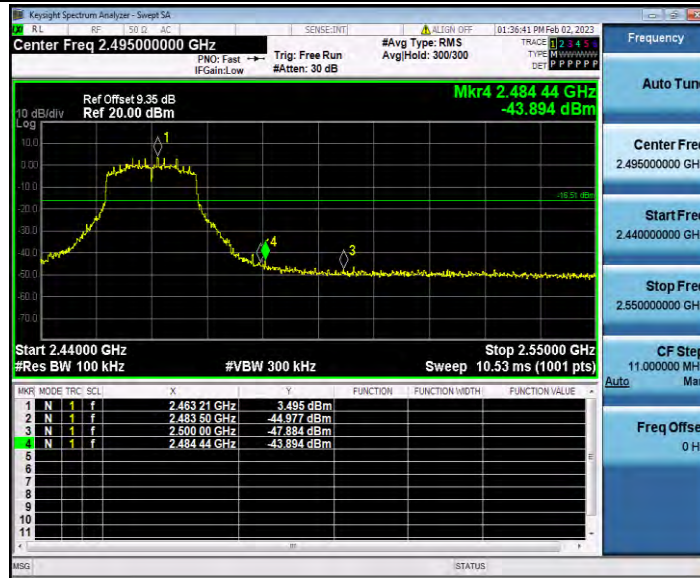
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

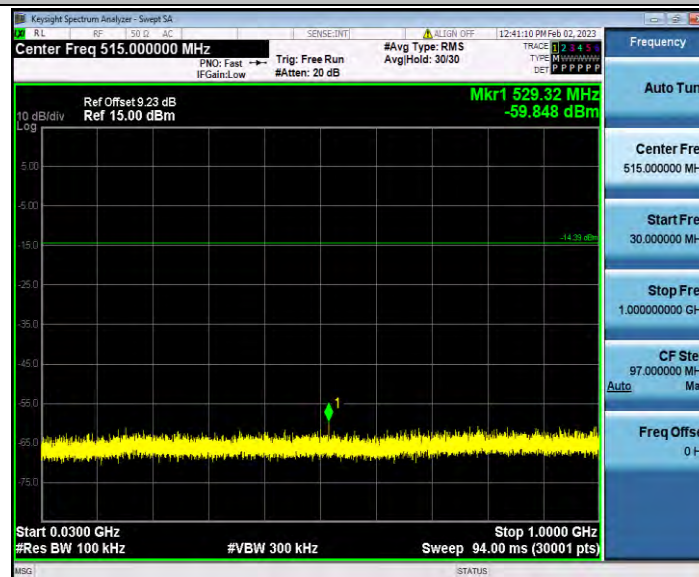
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.61	5.61	---	PASS
			30~1000	5.61	-59.85	≤ -14.39	PASS
			1000~26500	5.61	-48.09	≤ -14.39	PASS
		2437	Reference	5.82	5.82	---	PASS
			30~1000	5.82	-60.65	≤ -14.18	PASS
			1000~26500	5.82	-48.2	≤ -14.18	PASS
		2462	Reference	6.68	6.68	---	PASS
			30~1000	6.68	-60.61	≤ -13.32	PASS
			1000~26500	6.68	-47.59	≤ -13.32	PASS
11G	Ant1	2412	Reference	0.10	0.10	---	PASS
			30~1000	0.10	-60.59	≤ -19.9	PASS
			1000~26500	0.10	-47.71	≤ -19.9	PASS
		2437	Reference	1.83	1.83	---	PASS
			30~1000	1.83	-59.15	≤ -18.17	PASS
			1000~26500	1.83	-45.67	≤ -18.17	PASS
		2462	Reference	2.10	2.10	---	PASS
			30~1000	2.10	-60.17	≤ -17.9	PASS
			1000~26500	2.10	-48.02	≤ -17.9	PASS
11N20SISO	Ant1	2412	Reference	1.44	1.44	---	PASS
			30~1000	1.44	-59.78	≤ -18.56	PASS
			1000~26500	1.44	-44.32	≤ -18.56	PASS
		2437	Reference	-1.05	-1.05	---	PASS
			30~1000	-1.05	-59.65	≤ -21.05	PASS
			1000~26500	-1.05	-47.61	≤ -21.05	PASS
		2462	Reference	-0.20	-0.20	---	PASS
			30~1000	-0.20	-60.24	≤ -20.2	PASS
			1000~26500	-0.20	-47.61	≤ -20.2	PASS
11N40SISO	Ant1	2422	Reference	-1.79	-1.79	---	PASS
			30~1000	-1.79	-60.76	≤ -21.79	PASS
			1000~26500	-1.79	-47.96	≤ -21.79	PASS
		2437	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-60.06	≤ -20.5	PASS
			1000~26500	-0.50	-47.37	≤ -20.5	PASS
		2452	Reference	-0.54	-0.54	---	PASS
			30~1000	-0.54	-60.38	≤ -20.54	PASS
			1000~26500	-0.54	-46.12	≤ -20.54	PASS

Test Graphs

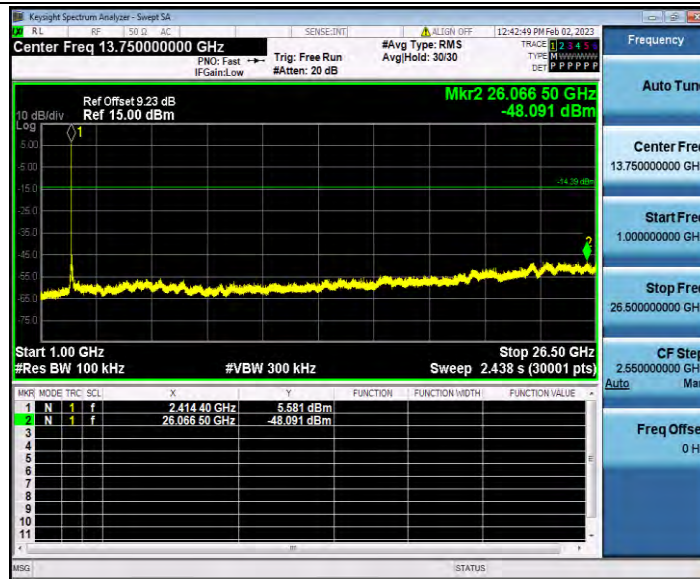
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



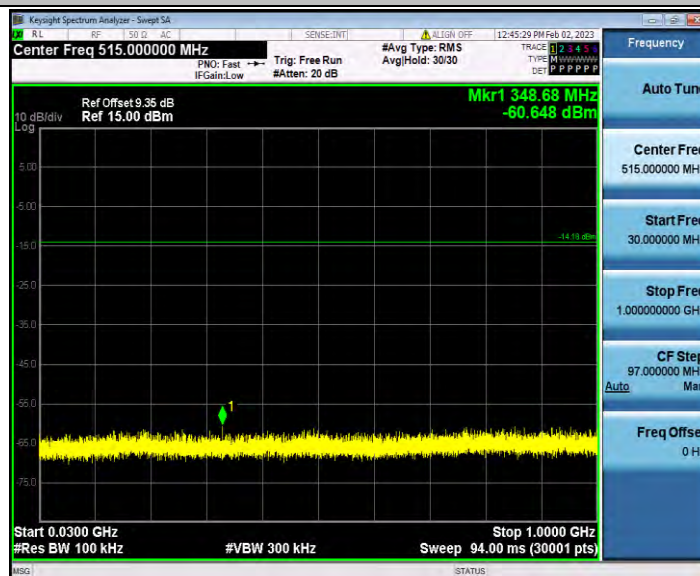
11B_Ant1_2412_1000~26500



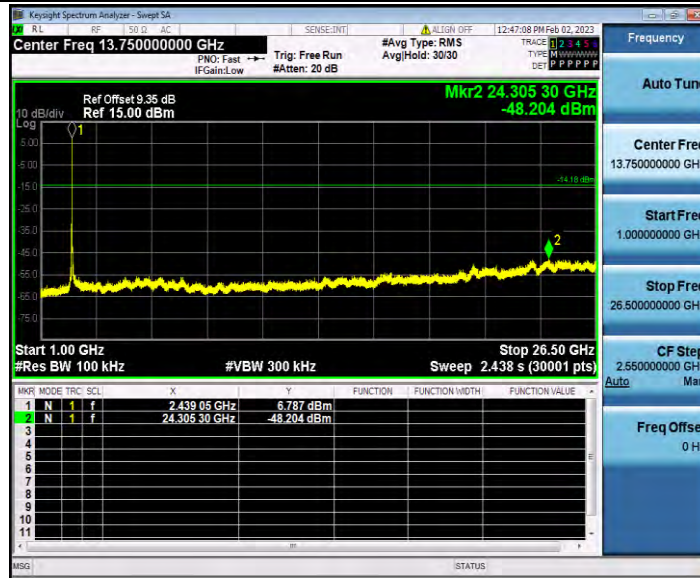
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



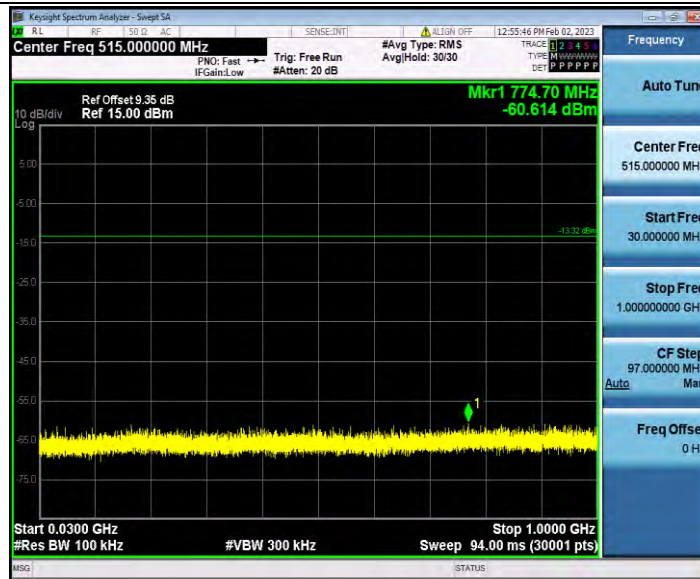
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



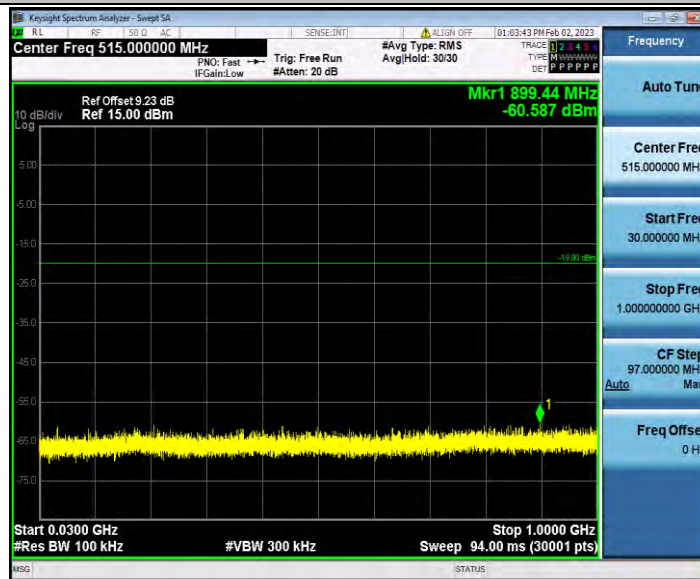
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



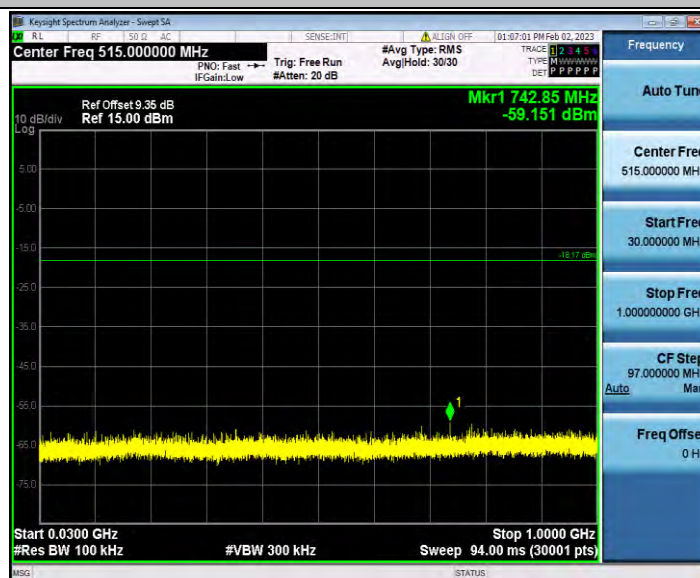
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



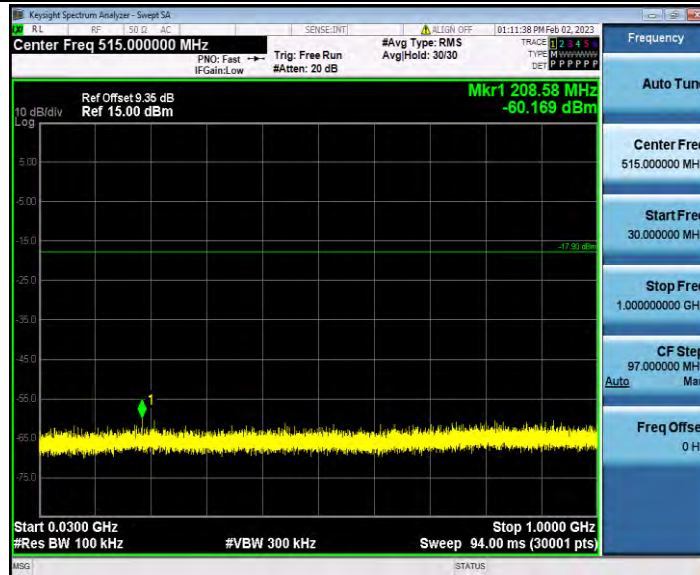
11G_Ant1_2437_0~Reference



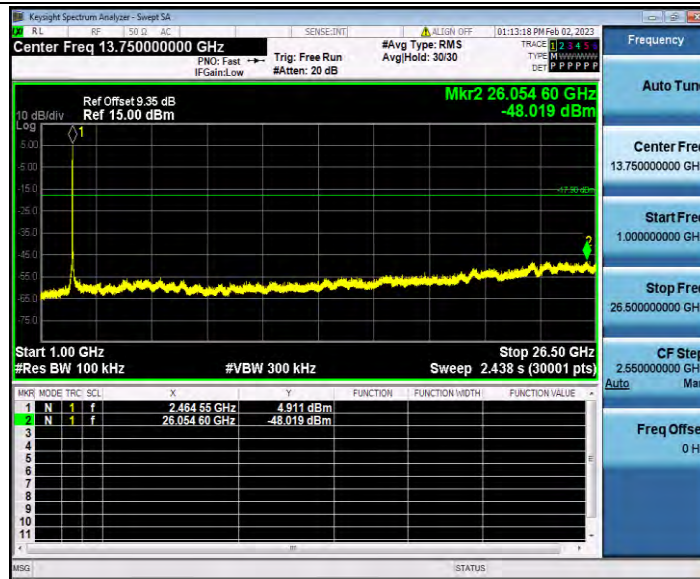
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



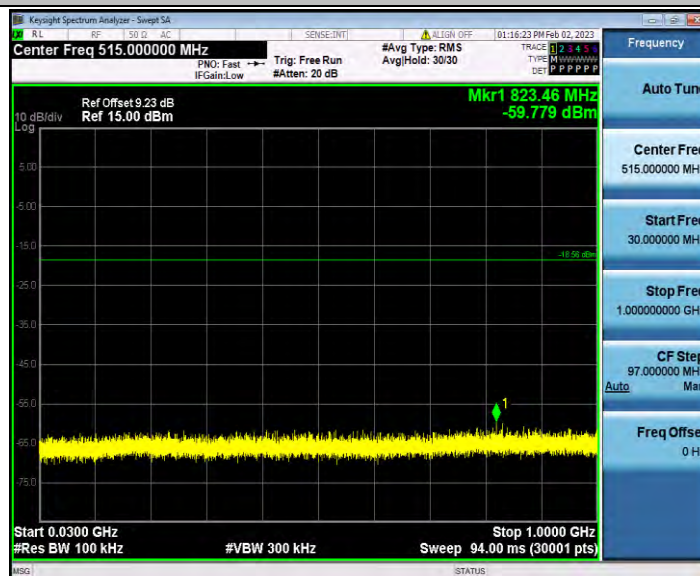
11G_Ant1_2462_1000~26500



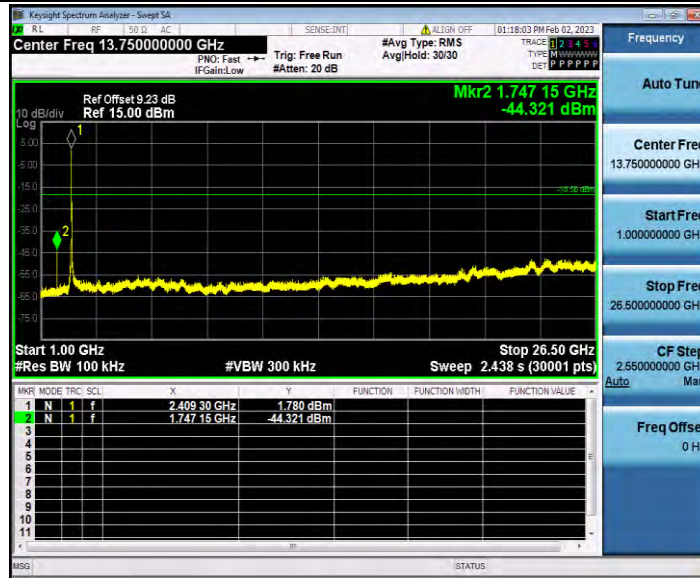
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



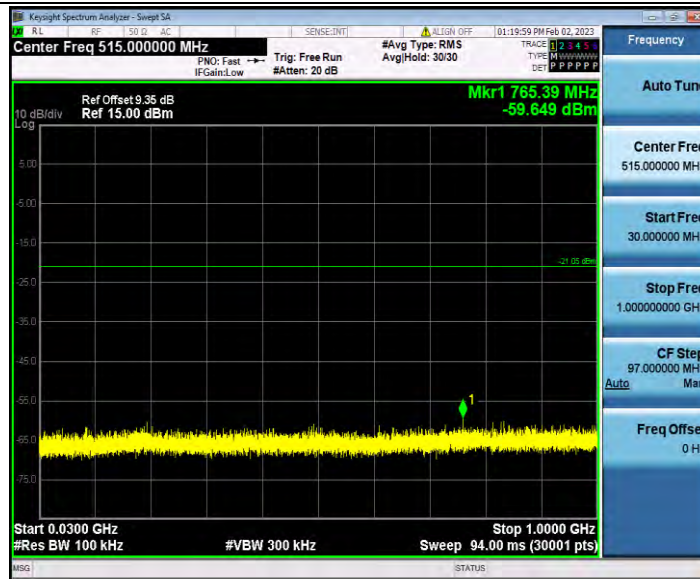
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



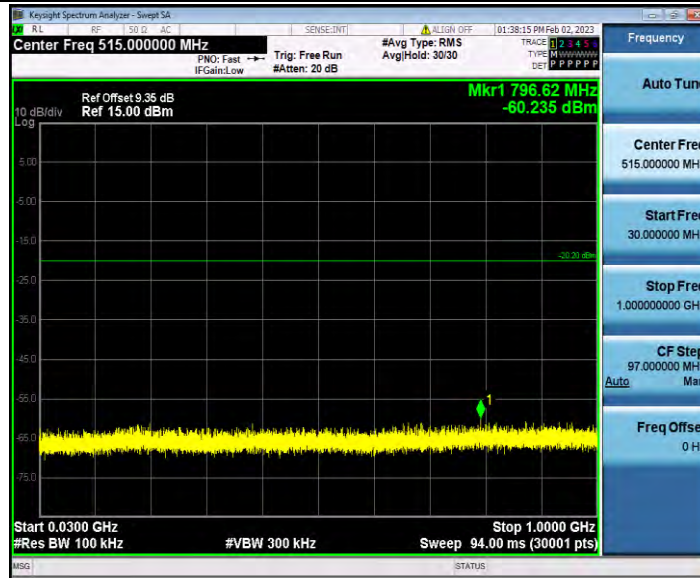
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



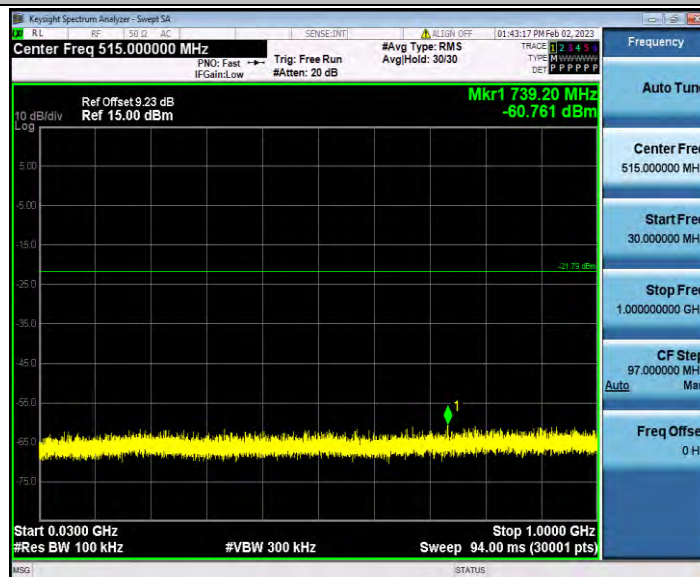
11N20SISO_Ant1_2462_1000~26500



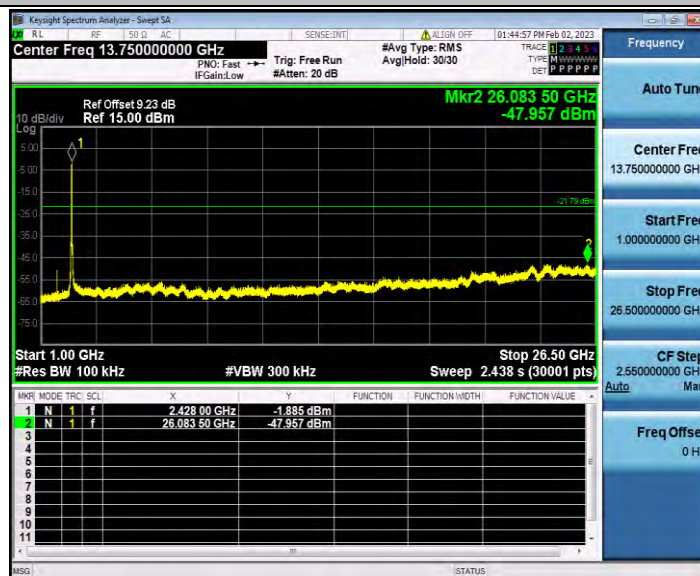
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



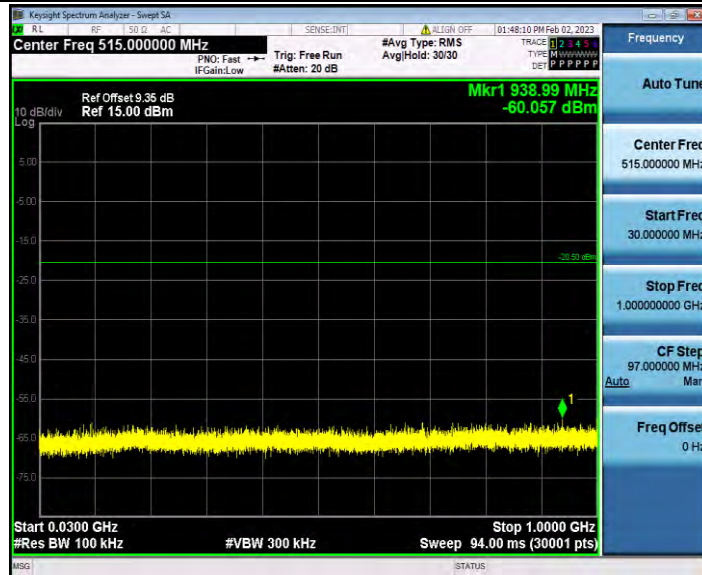
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



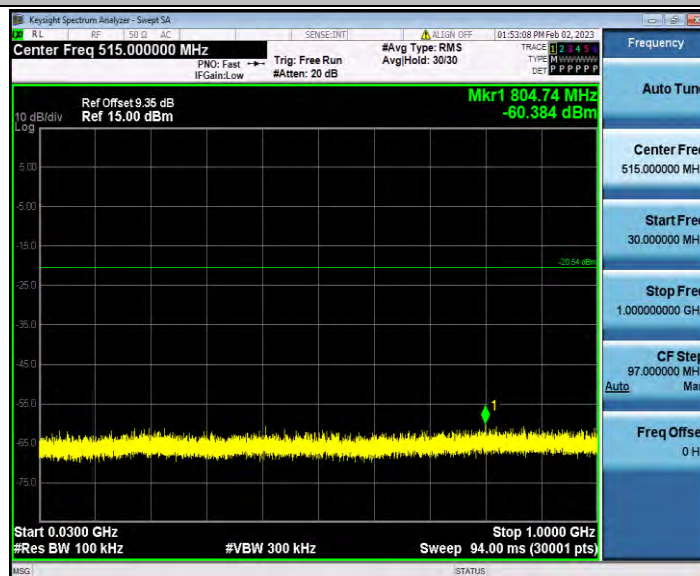
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

