

Case No. : GTS20230111005-1-12	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.2.17	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	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

Test Graphs

11B_Ant1_2412



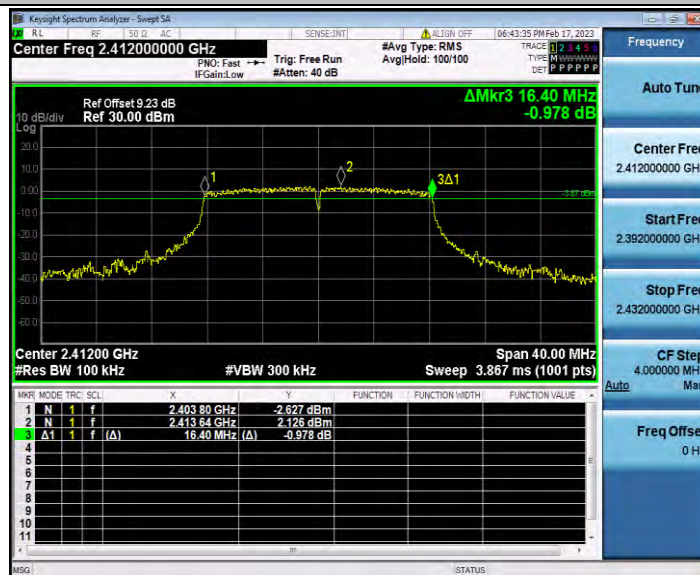
11B_Ant1_2437



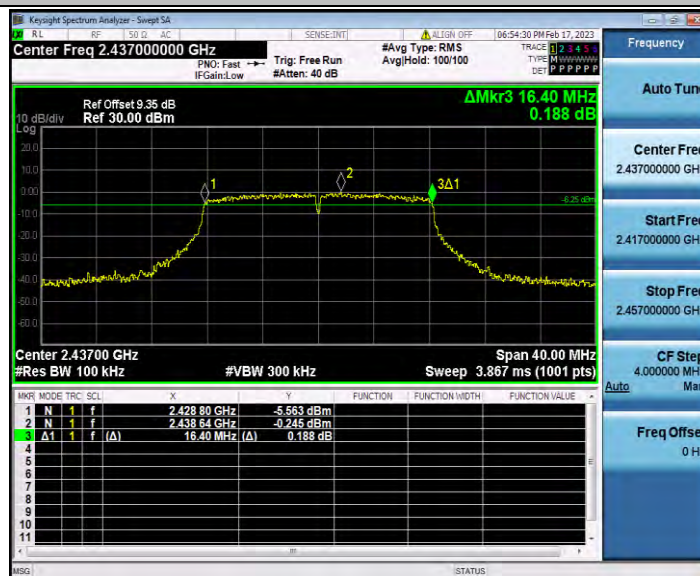
11B_Ant1_2462



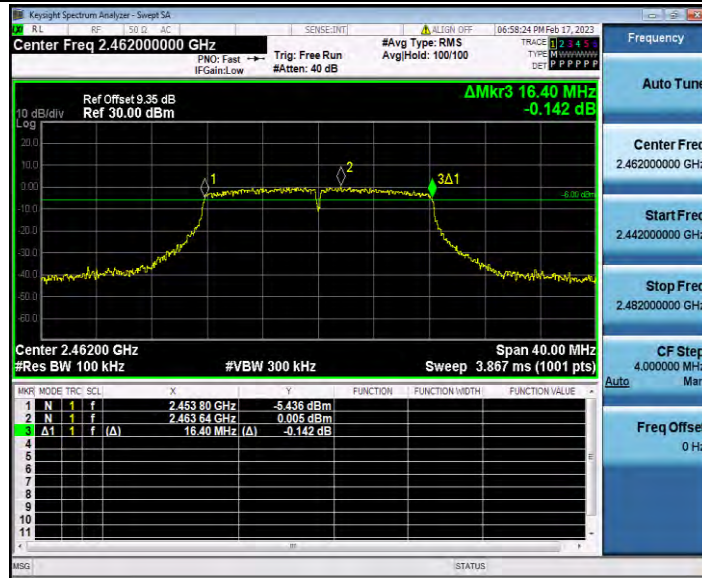
11G_Ant1_2412



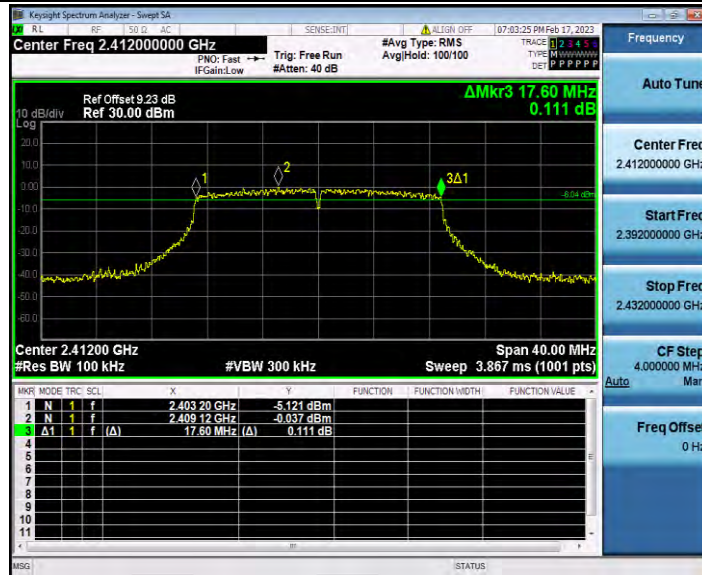
11G_Ant1_2437



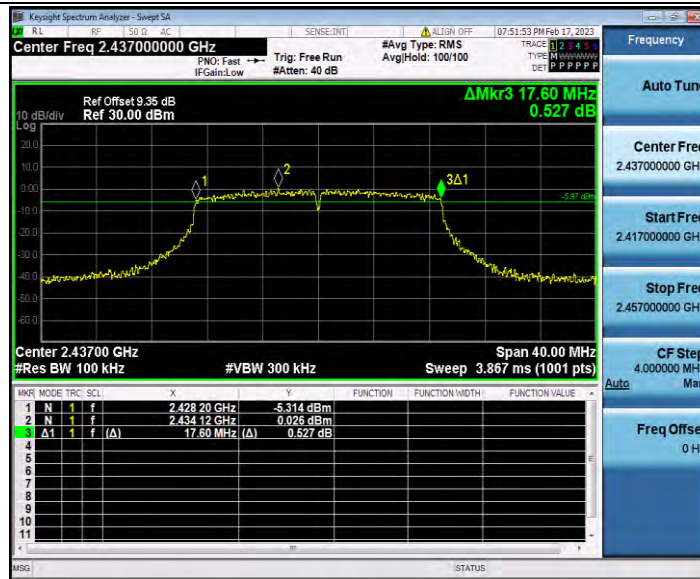
11G_Ant1_2462



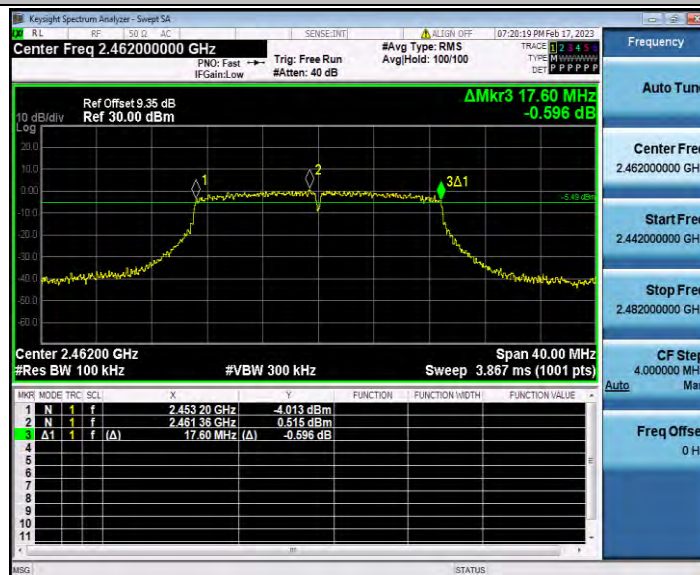
11N20SISO_Ant1_2412



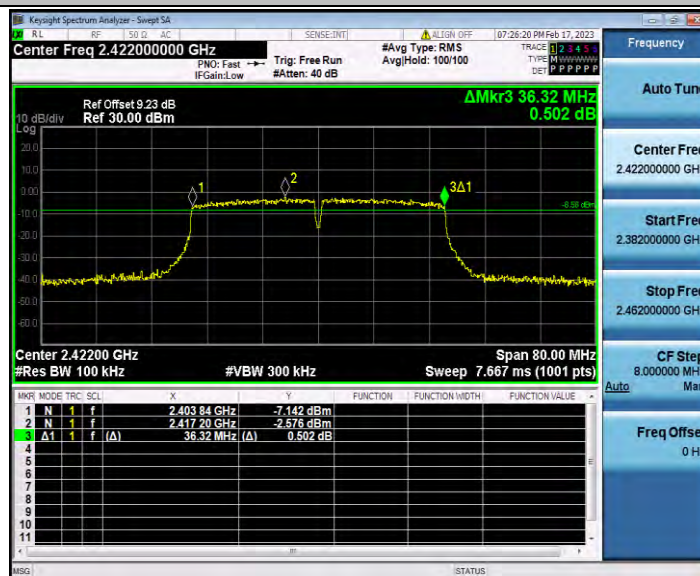
11N20SISO_Ant1_2437



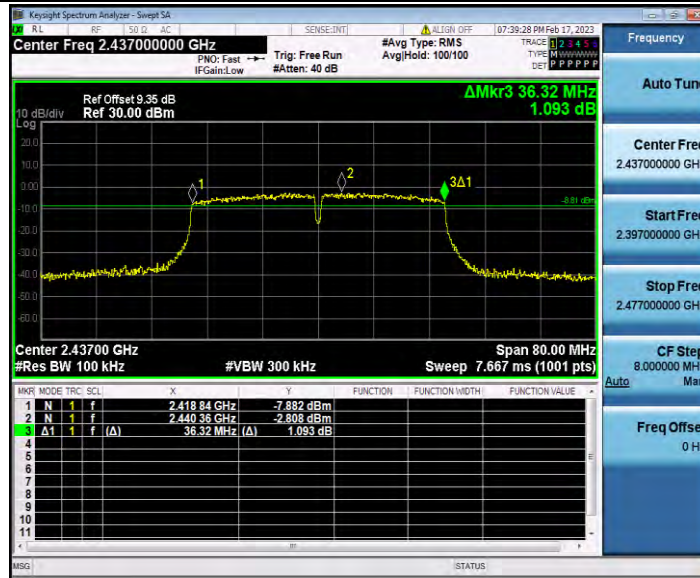
11N20SISO_Ant1_2462



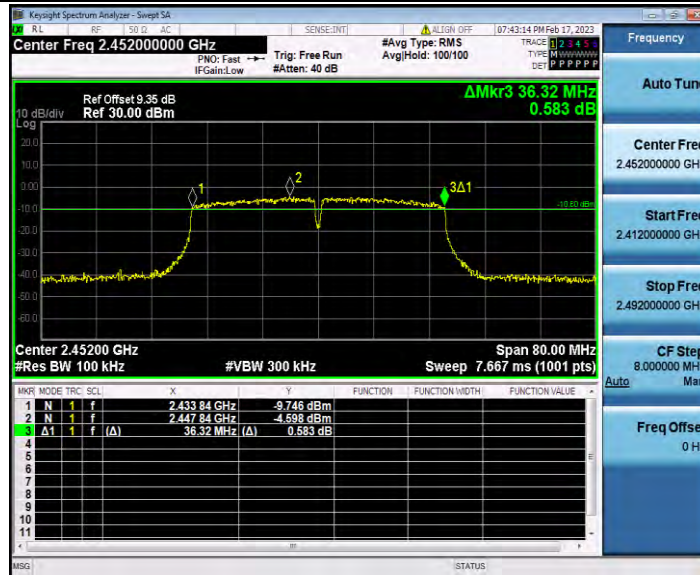
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



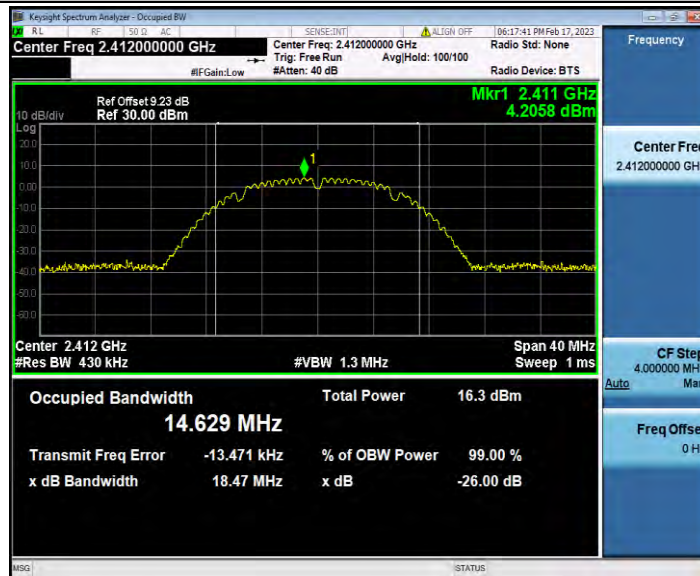
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.629	2404.672	2419.301	---	---
		2437	14.630	2429.744	2444.374	---	---
		2462	14.614	2454.674	2469.288	---	---
11G	Ant1	2412	16.714	2403.596	2420.310	---	---
		2437	16.735	2428.601	2445.336	---	---
		2462	16.683	2453.589	2470.272	---	---
11N20SISO	Ant1	2412	17.885	2403.069	2420.954	---	---
		2437	17.897	2428.075	2445.972	---	---
		2462	17.851	2453.062	2470.913	---	---
11N40SISO	Ant1	2422	36.234	2403.954	2440.188	---	---
		2437	36.220	2418.983	2455.203	---	---
		2452	36.133	2433.992	2470.125	---	---

Test Graphs

11B_Ant1_2412



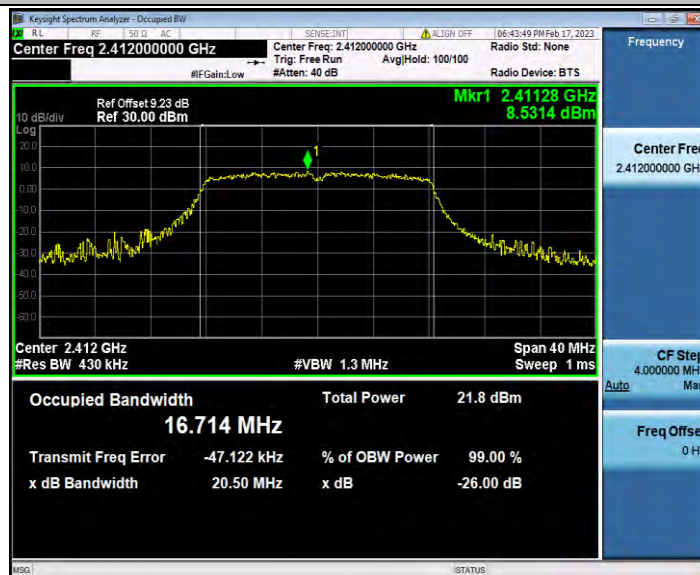
11B_Ant1_2437



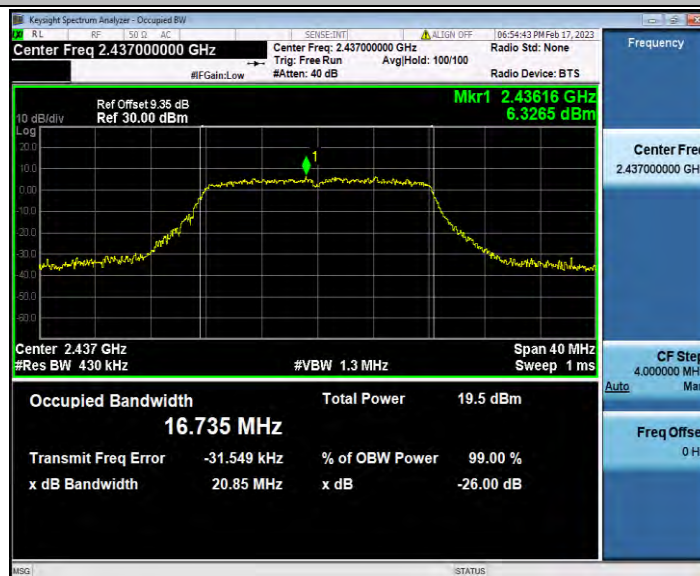
11B_Ant1_2462



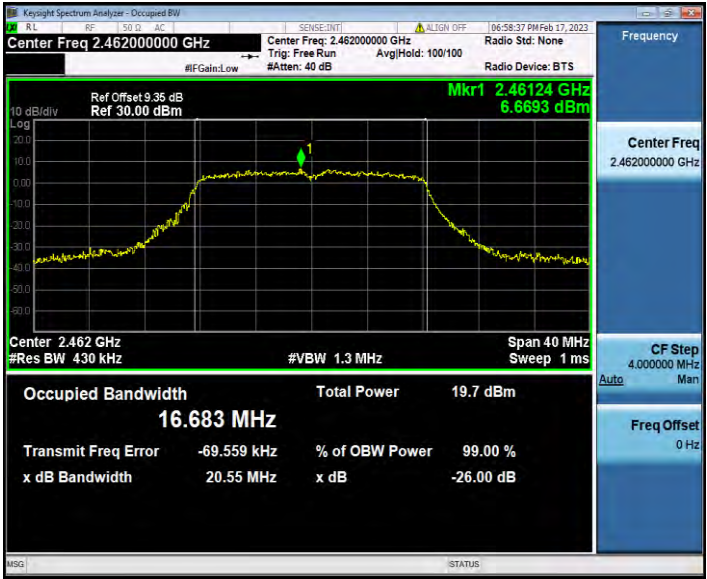
11G_Ant1_2412



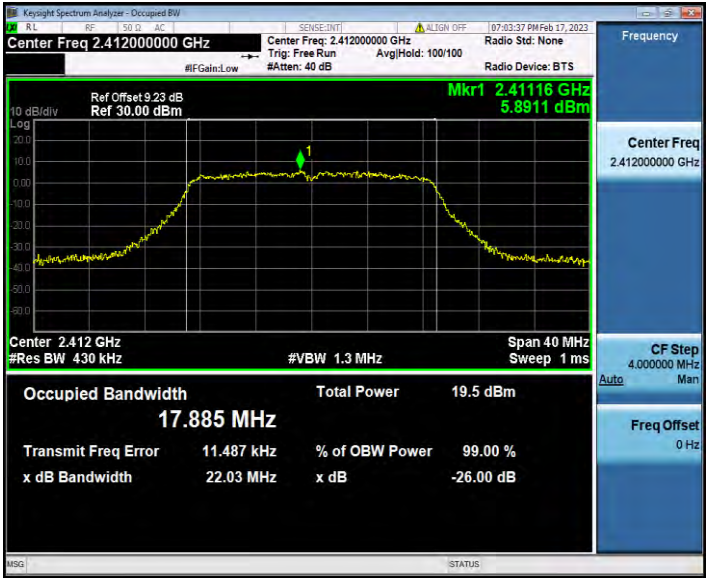
11G_Ant1_2437



11G_Ant1_2462



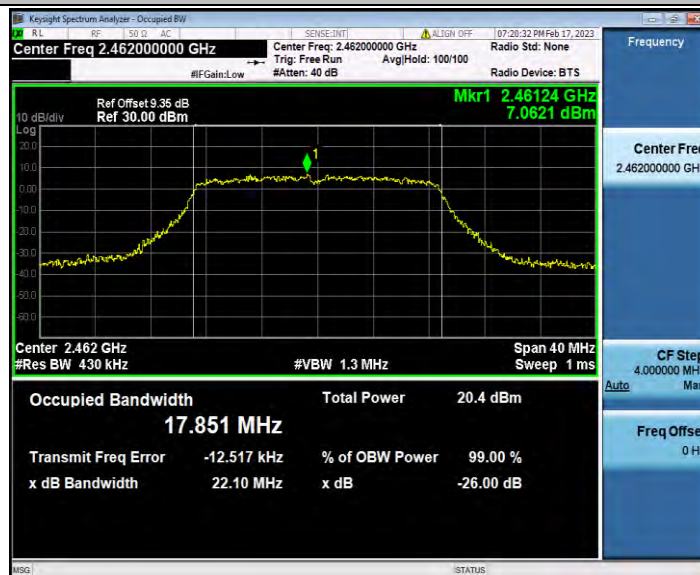
11N20SISO_Ant1_2412



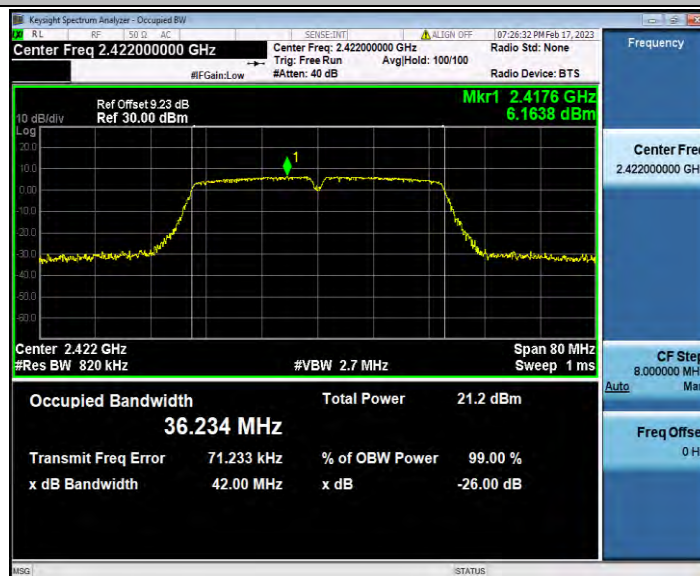
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



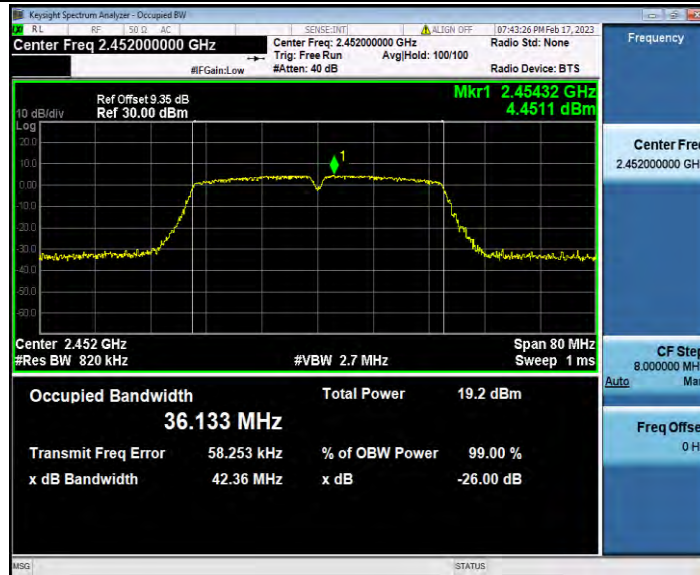
11N40SISO_Ant1_2422



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	16.14	≤30.00	PASS
		2437	15.97	≤30.00	PASS
		2462	16.32	≤30.00	PASS
11G	Ant1	2412	22.90	≤30.00	PASS
		2437	20.68	≤30.00	PASS
		2462	20.98	≤30.00	PASS
11N20SISO	Ant1	2412	20.87	≤30.00	PASS
		2437	21.01	≤30.00	PASS
		2462	21.85	≤30.00	PASS
11N40SISO	Ant1	2422	21.48	≤30.00	PASS
		2437	21.41	≤30.00	PASS
		2452	19.55	≤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	-17.34	≤8.00	PASS
		2437	-17.34	≤8.00	PASS
		2462	-17.09	≤8.00	PASS
11G	Ant1	2412	-12.21	≤8.00	PASS
		2437	-14.34	≤8.00	PASS
		2462	-14.15	≤8.00	PASS
11N20SISO	Ant1	2412	-14.05	≤8.00	PASS
		2437	-13.63	≤8.00	PASS
		2462	-13.02	≤8.00	PASS
11N40SISO	Ant1	2422	-14.32	≤8.00	PASS
		2437	-14.02	≤8.00	PASS
		2452	-17.41	≤8.00	PASS

Test Graphs

11B_Ant1_2412



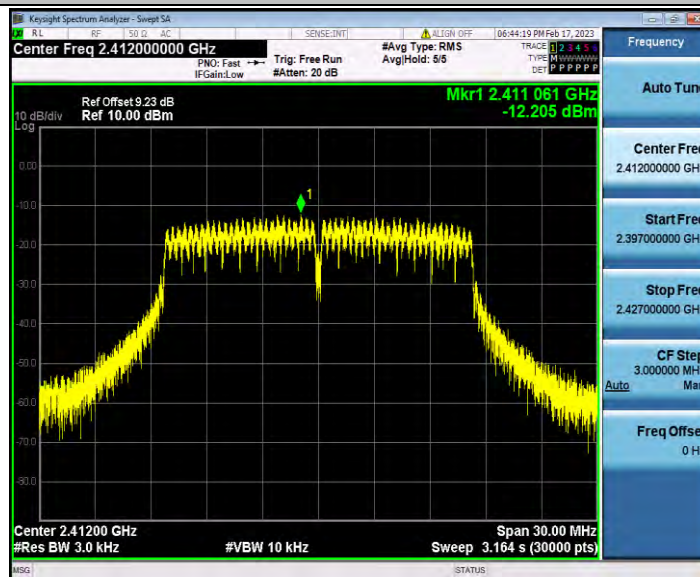
11B_Ant1_2437



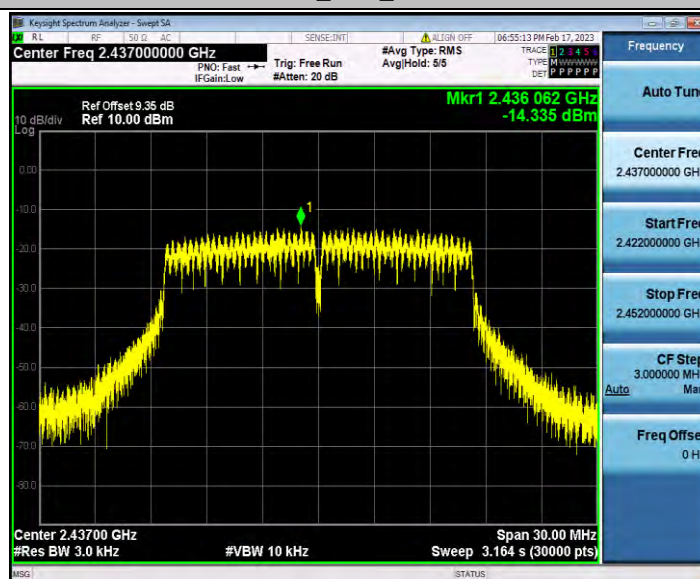
11B_Ant1_2462



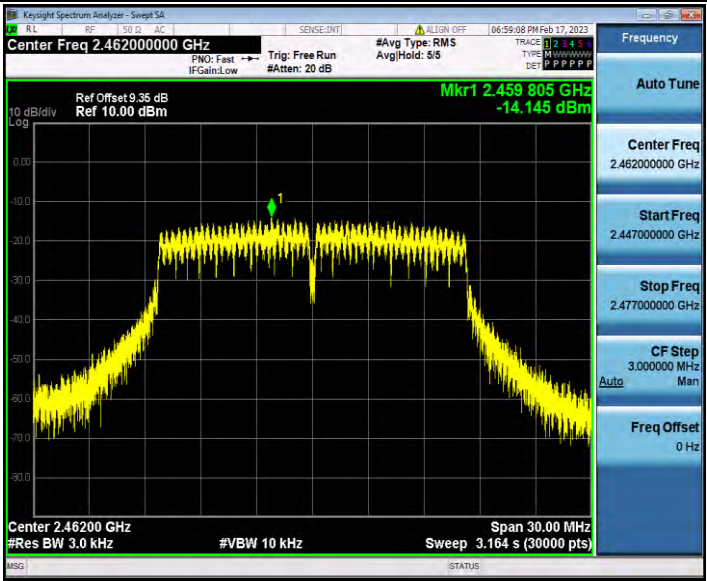
11G_Ant1_2412



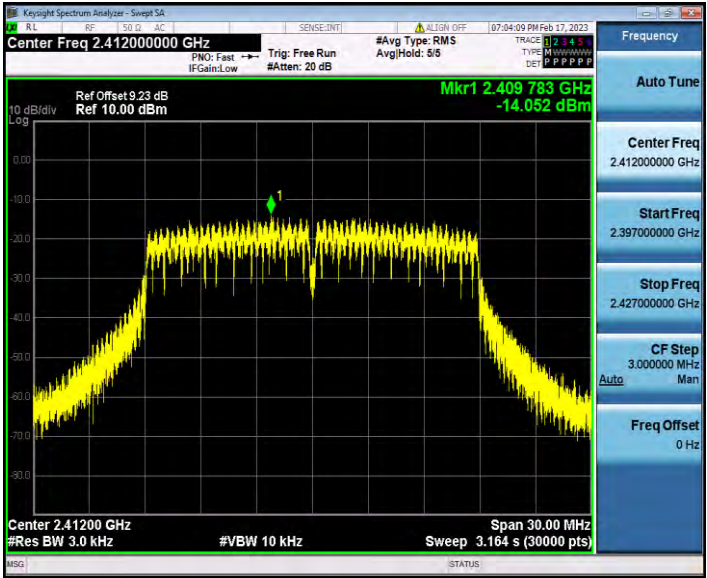
11G_Ant1_2437



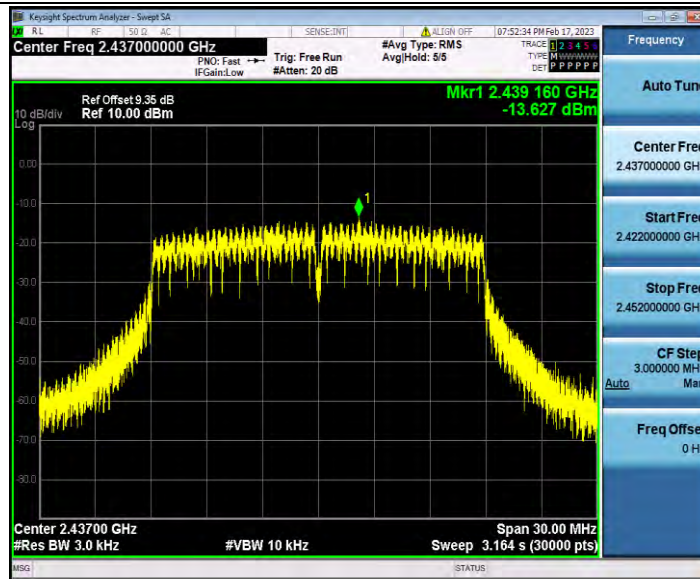
11G_Ant1_2462



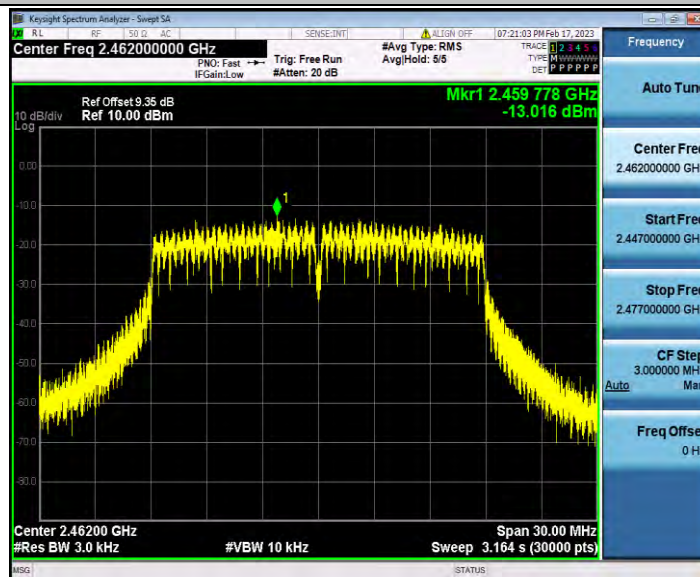
11N20SISO_Ant1_2412



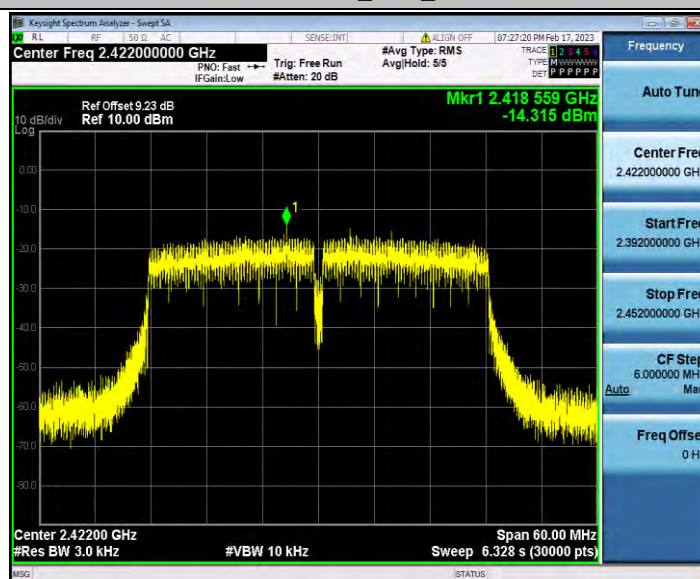
11N20SISO_Ant1_2437



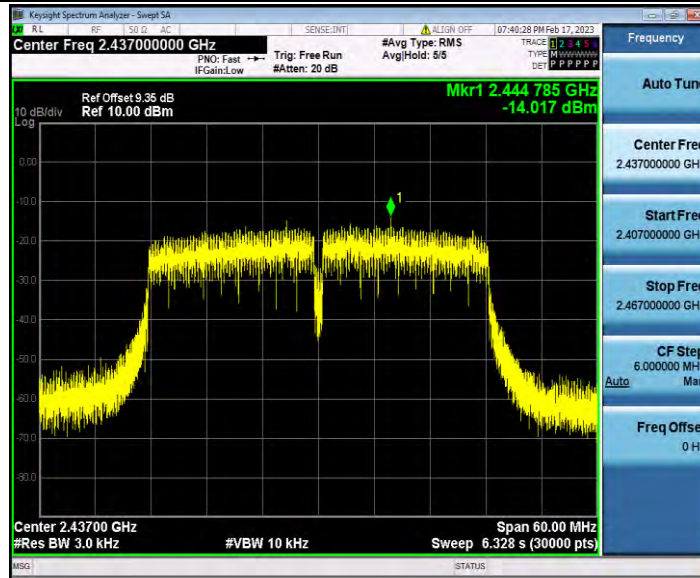
11N20SISO_Ant1_2462



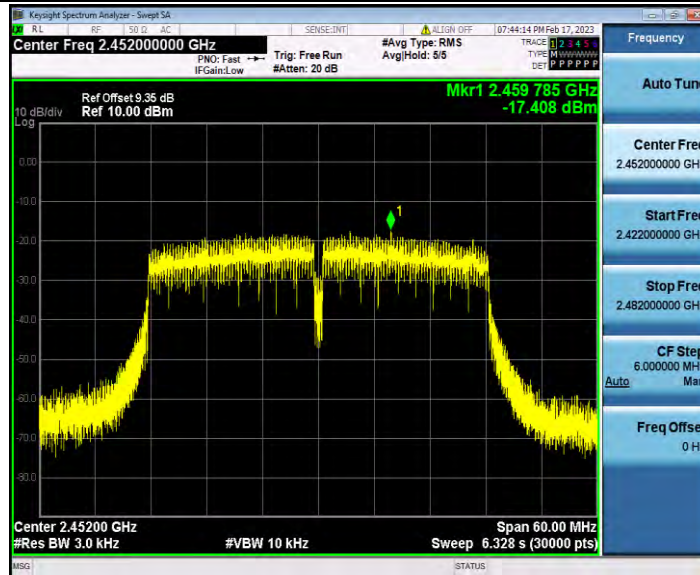
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



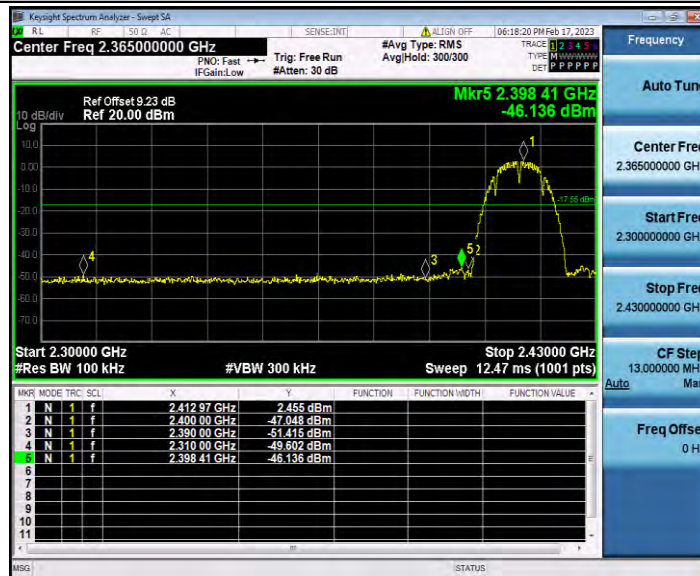
Appendix C.5: Band edge measurements

Test Result

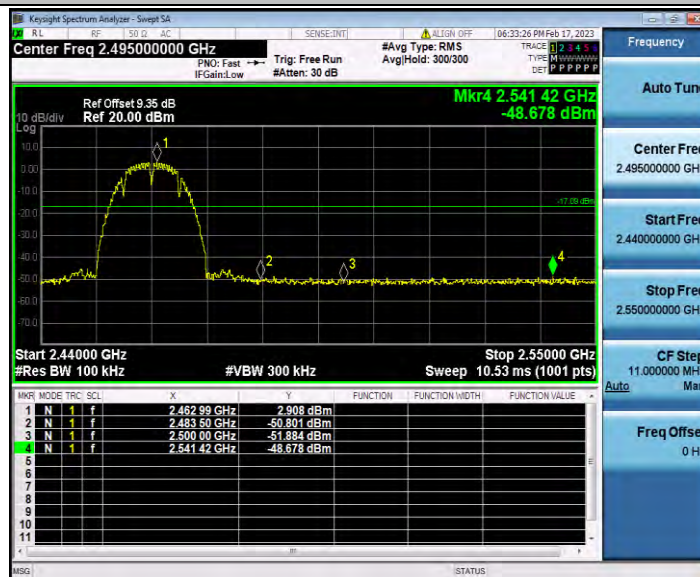
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.46	-46.14	≤-17.55	PASS
		High	2462	2.91	-48.68	≤-17.09	PASS
11G	Ant1	Low	2412	1.65	-29.33	≤-18.35	PASS
		High	2462	0.04	-47.46	≤-19.96	PASS
11N20SISO	Ant1	Low	2412	-0.49	-35.21	≤-20.49	PASS
		High	2462	0.80	-45.43	≤-19.2	PASS
11N40SISO	Ant1	Low	2422	-2.89	-35.11	≤-22.89	PASS
		High	2452	-4.42	-44.37	≤-24.42	PASS

Test Graphs

11B_Ant1_Low_2412



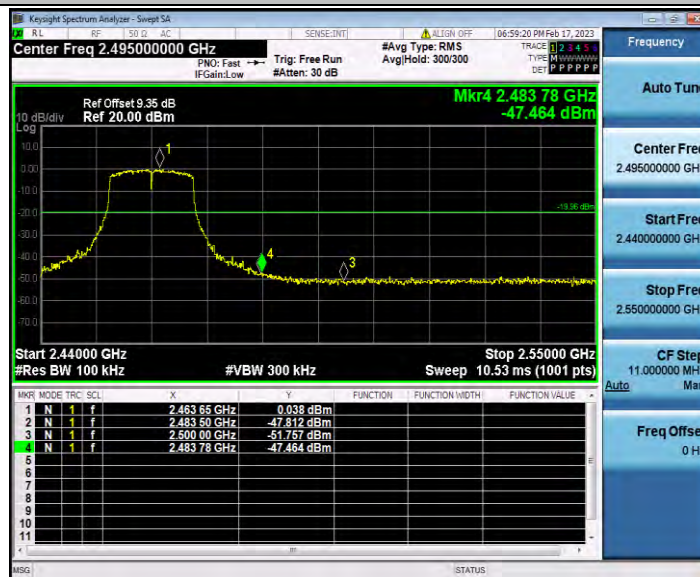
11B_Ant1_High_2462



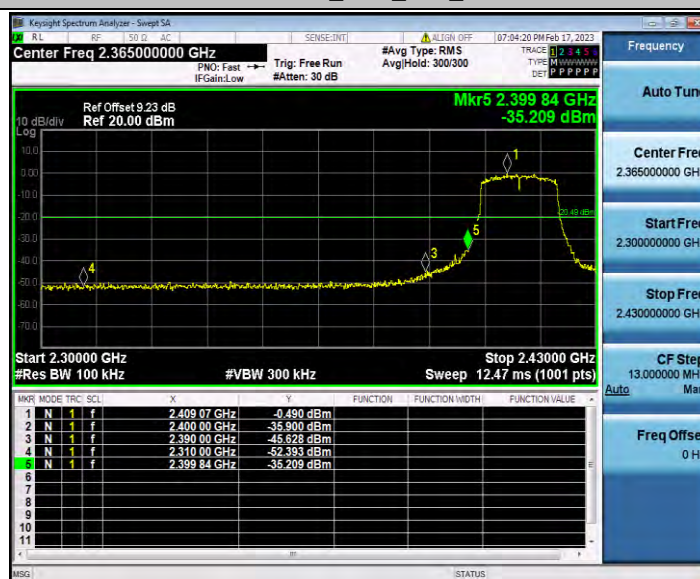
11G_Ant1_Low_2412



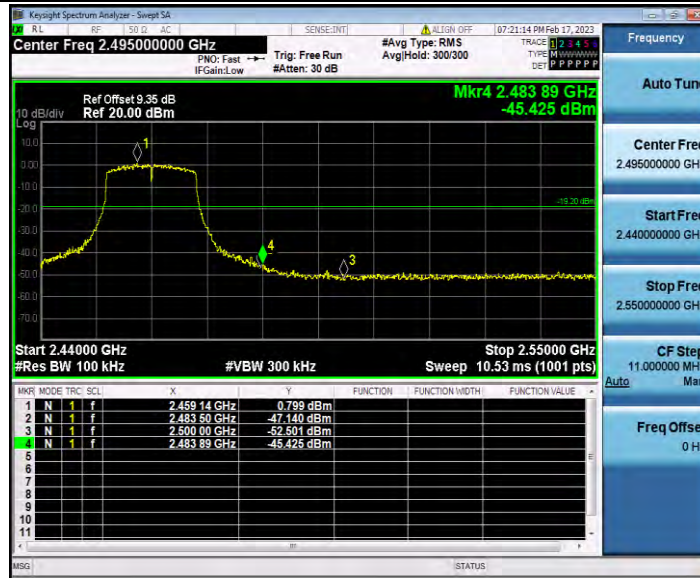
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



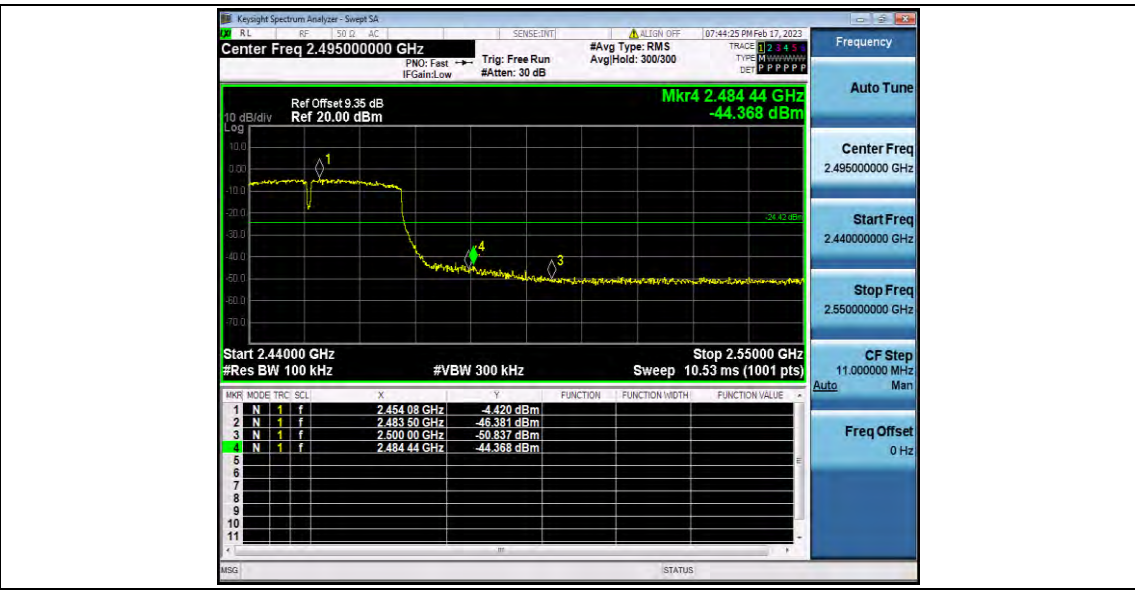
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

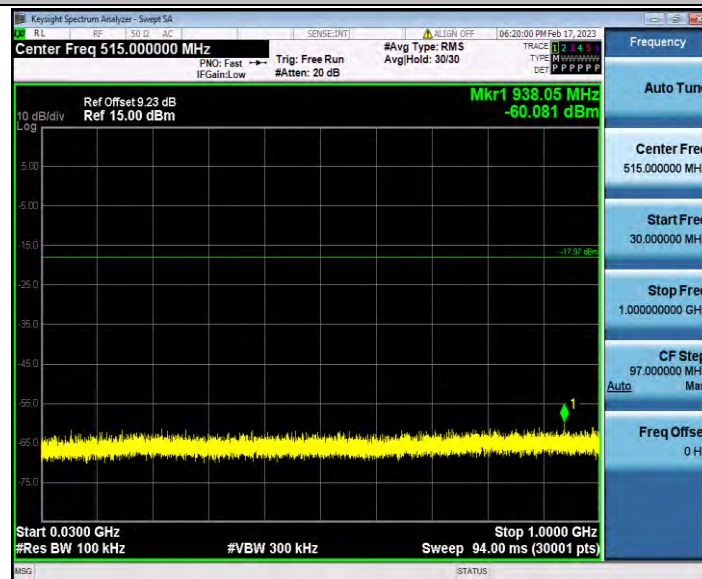
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.03	2.03	---	PASS
			30~1000	2.03	-60.08	≤ -17.97	PASS
			1000~26500	2.03	-47.17	≤ -17.97	PASS
		2437	Reference	2.35	2.35	---	PASS
			30~1000	2.35	-60	≤ -17.65	PASS
			1000~26500	2.35	-47.8	≤ -17.65	PASS
		2462	Reference	2.57	2.57	---	PASS
			30~1000	2.57	-59.73	≤ -17.43	PASS
			1000~26500	2.57	-45.02	≤ -17.43	PASS
11G	Ant1	2412	Reference	1.05	1.05	---	PASS
			30~1000	1.05	-60.21	≤ -18.95	PASS
			1000~26500	1.05	-47.99	≤ -18.95	PASS
		2437	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-59.51	≤ -20.79	PASS
			1000~26500	-0.79	-47.34	≤ -20.79	PASS
		2462	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-60.32	≤ -20.5	PASS
			1000~26500	-0.50	-47.53	≤ -20.5	PASS
11N20SISO	Ant1	2412	Reference	-1.10	-1.10	---	PASS
			30~1000	-1.10	-59.54	≤ -21.1	PASS
			1000~26500	-1.10	-44.12	≤ -21.1	PASS
		2437	Reference	-0.63	-0.63	---	PASS
			30~1000	-0.63	-59.97	≤ -20.63	PASS
			1000~26500	-0.63	-47.79	≤ -20.63	PASS
		2462	Reference	-0.55	-0.55	---	PASS
			30~1000	-0.55	-60.44	≤ -20.55	PASS
			1000~26500	-0.55	-47.27	≤ -20.55	PASS
11N40SISO	Ant1	2422	Reference	-3.83	-3.83	---	PASS
			30~1000	-3.83	-59.49	≤ -23.83	PASS
			1000~26500	-3.83	-46.82	≤ -23.83	PASS
		2437	Reference	-2.83	-2.83	---	PASS
			30~1000	-2.83	-59.39	≤ -22.83	PASS
			1000~26500	-2.83	-47.66	≤ -22.83	PASS
		2452	Reference	-4.91	-4.91	---	PASS
			30~1000	-4.91	-60.41	≤ -24.91	PASS
			1000~26500	-4.91	-47.49	≤ -24.91	PASS

Test Graphs

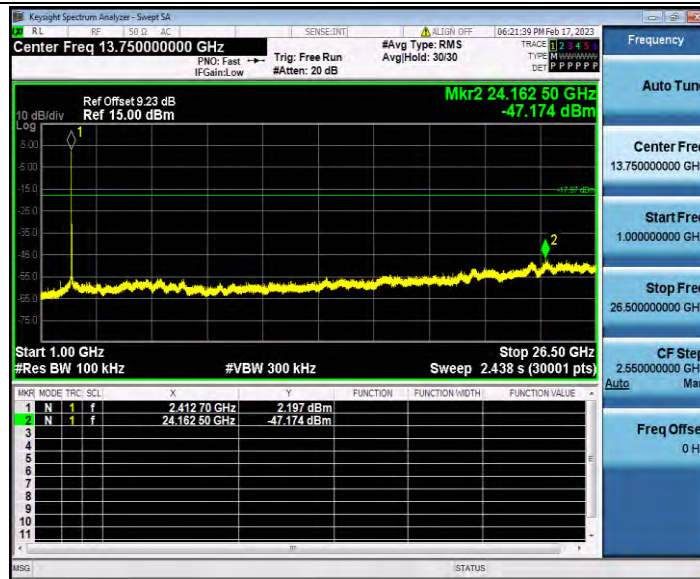
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



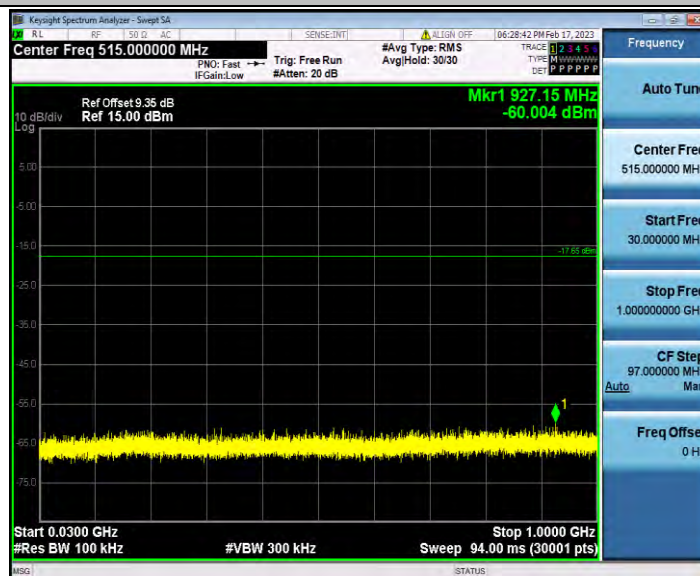
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



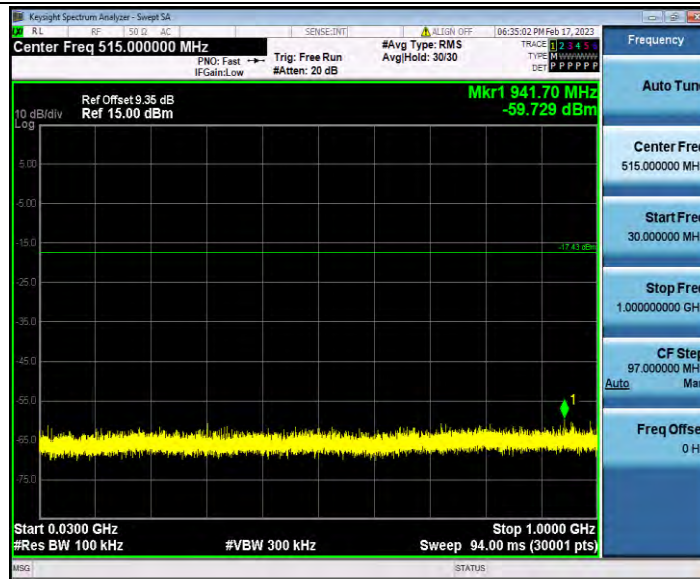
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



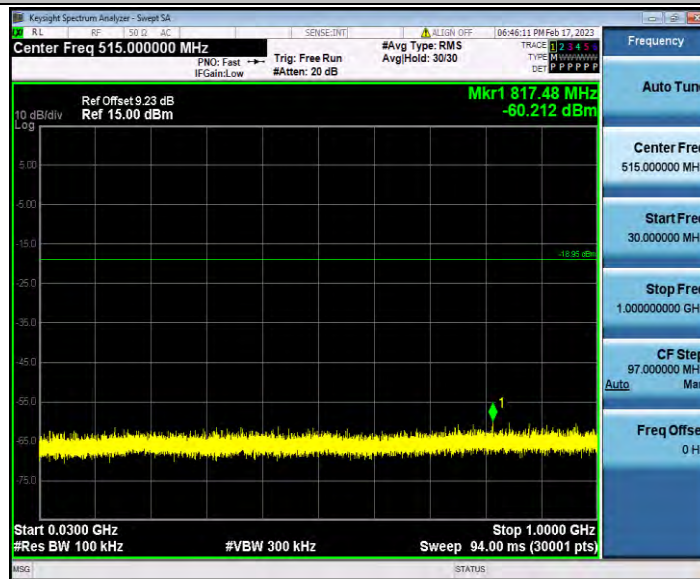
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



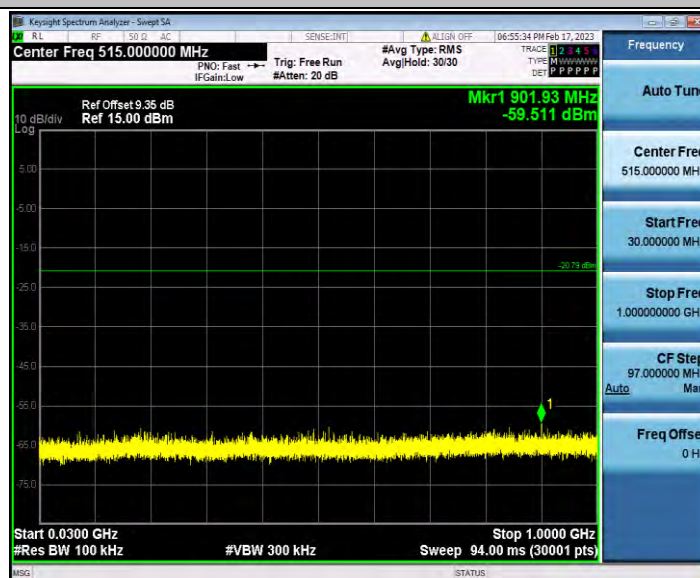
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



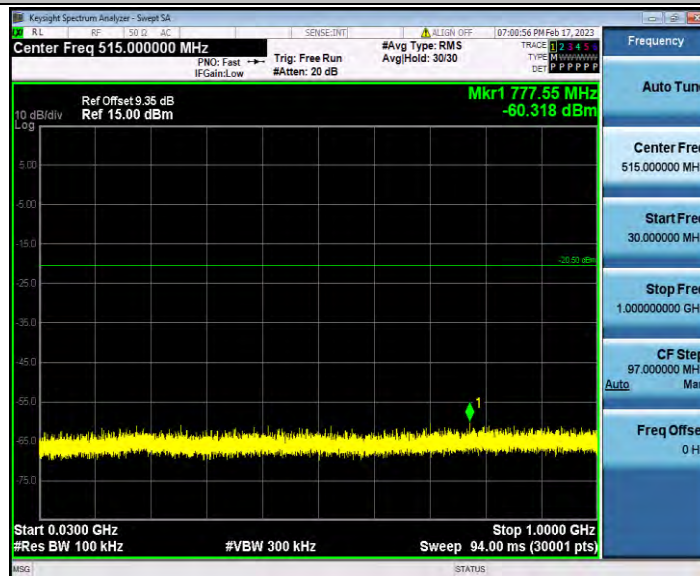
11G_Ant1_2437_0~Reference



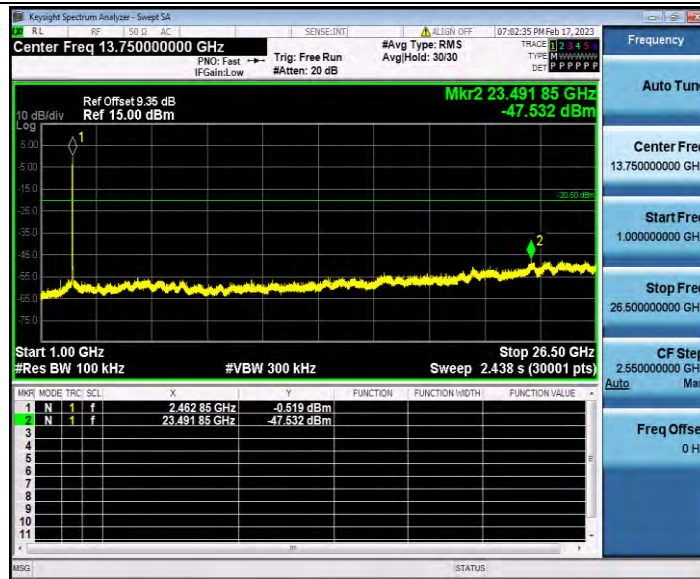
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



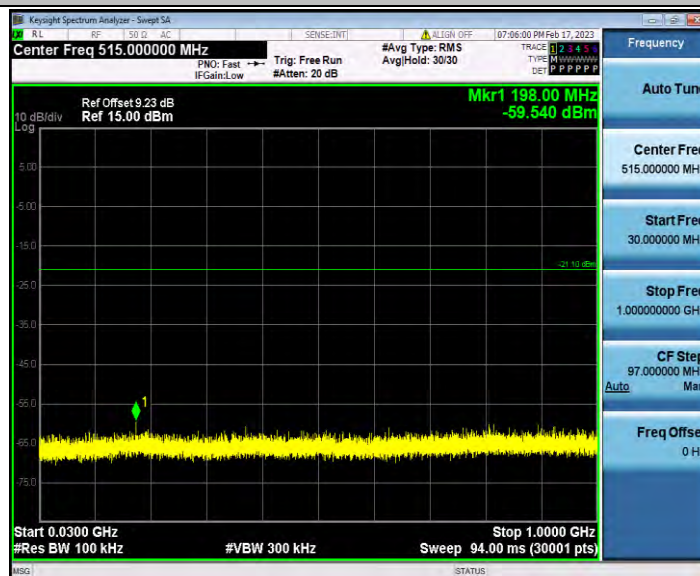
11G_Ant1_2462_1000~26500



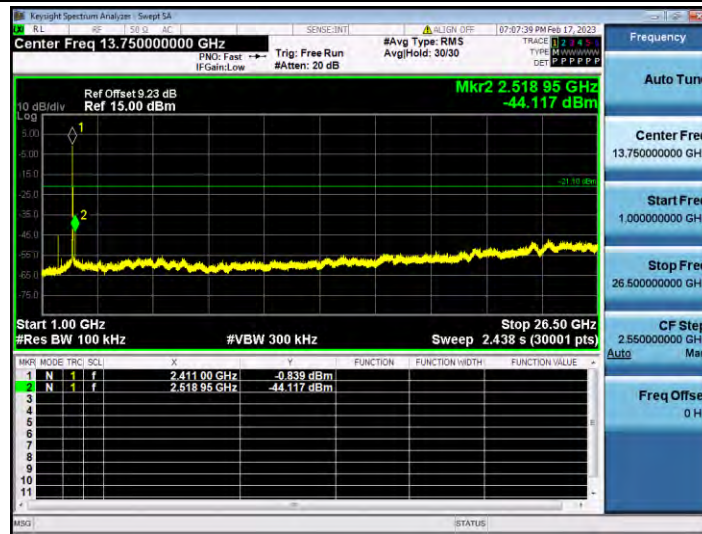
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



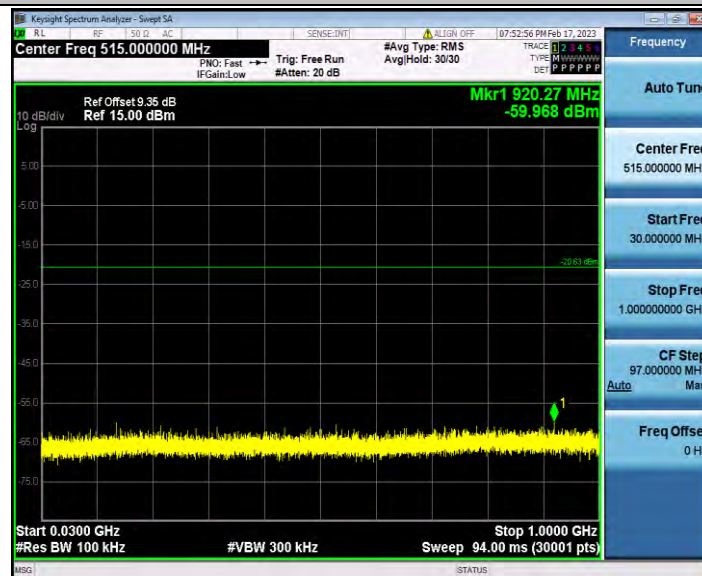
11N20SISO_Ant1_2412_1000~26500



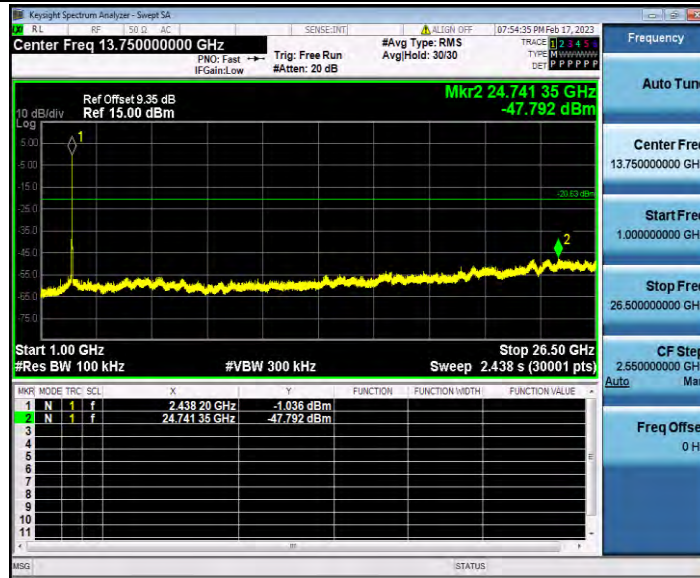
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



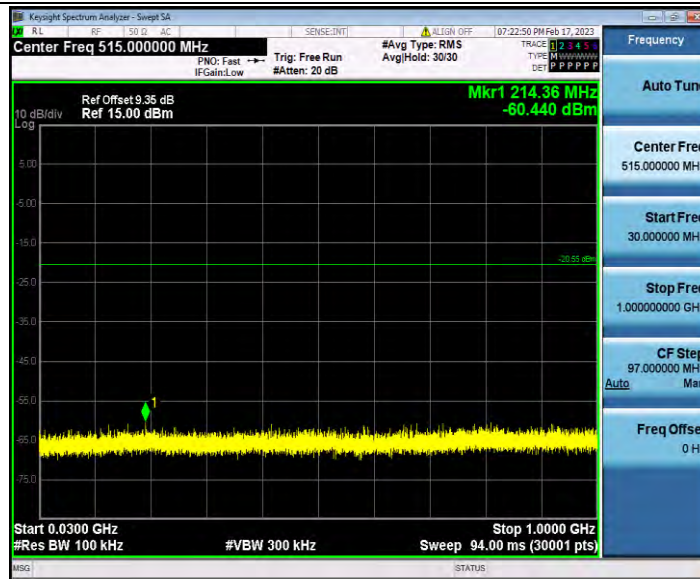
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



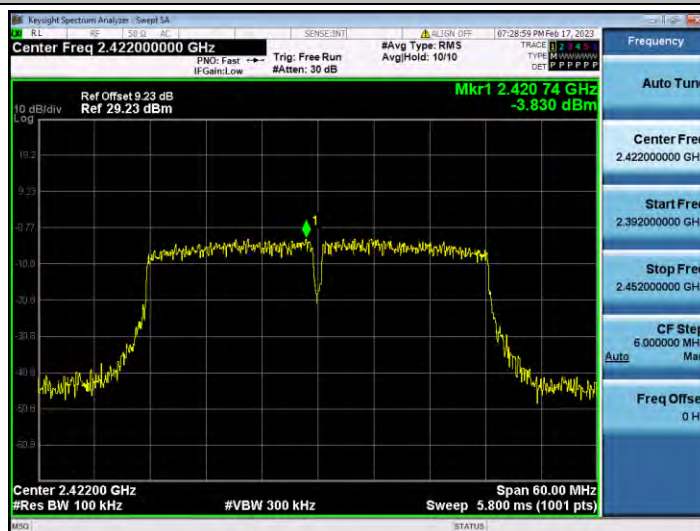
11N20SISO_Ant1_2462_30~1000



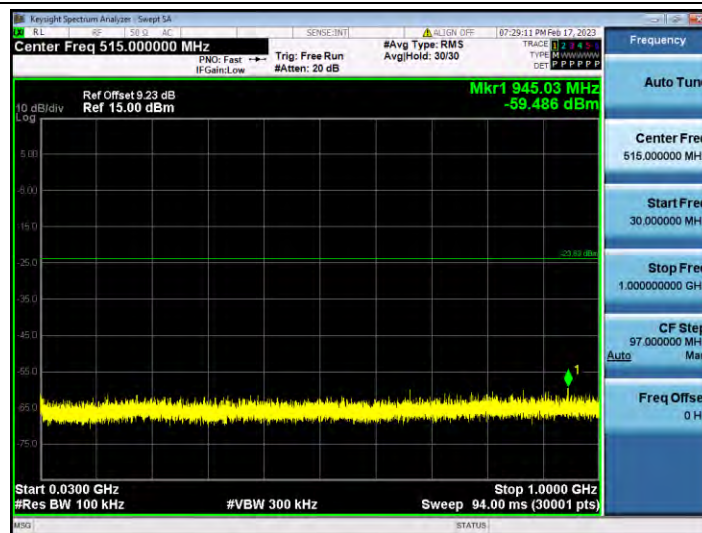
11N20SISO_Ant1_2462_1000~26500



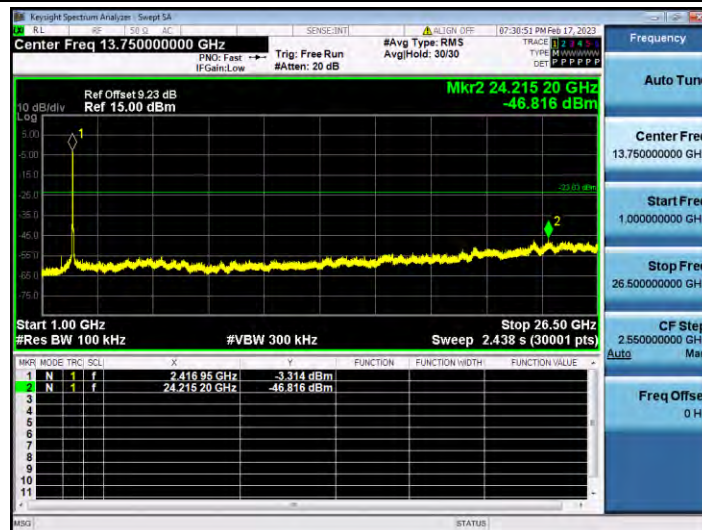
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



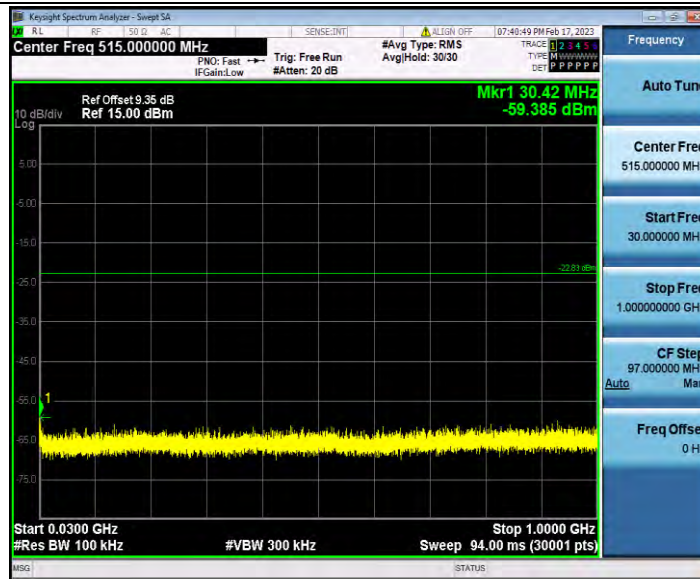
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



