

Case No. : GTS20230111005-1-12	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.2.15	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	Ant0	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.120	2431.960	2442.080	0.5	PASS
		2462	10.120	2456.960	2467.080	0.5	PASS
11G	Ant0	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	Ant0	2412	17.640	2403.200	2420.840	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant0	2422	36.400	2403.840	2440.240	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_Ant0_2412



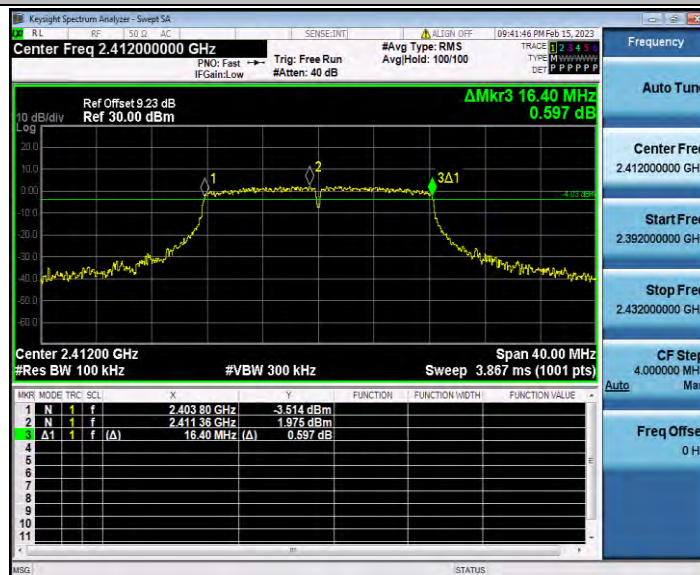
11B_Ant0_2437



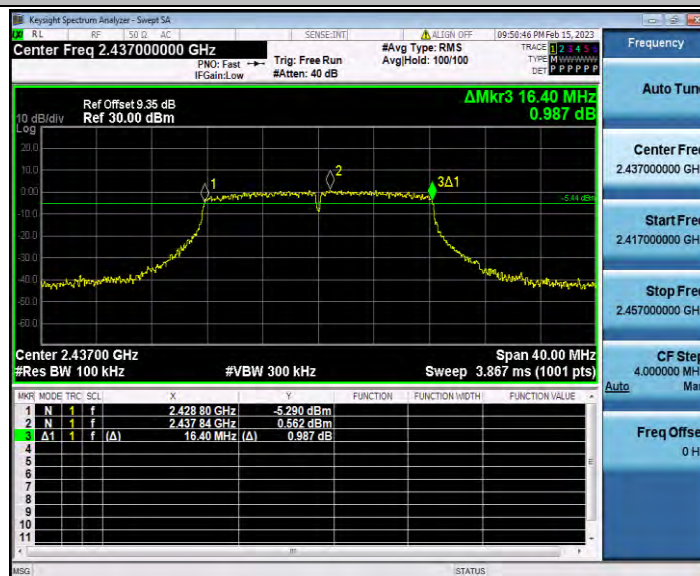
11B_Ant0_2462



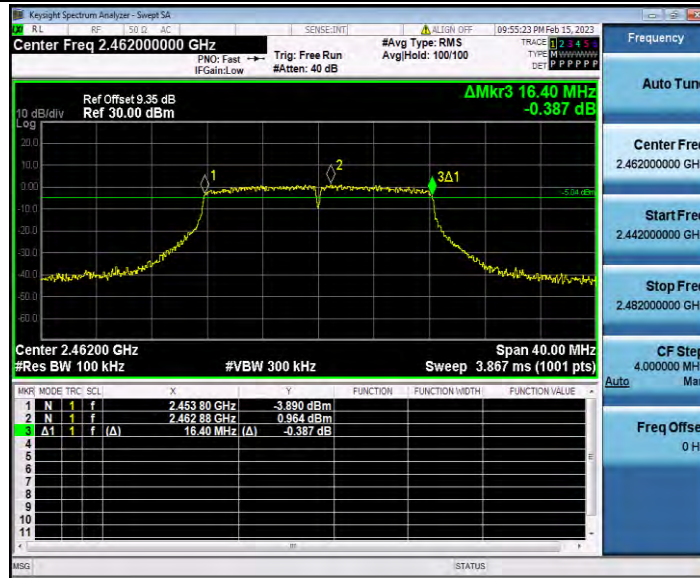
11G_Ant0_2412



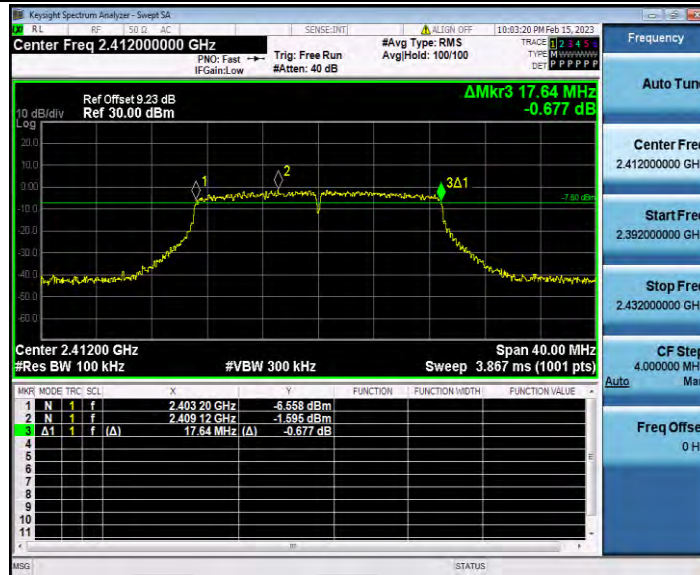
11G_Ant0_2437



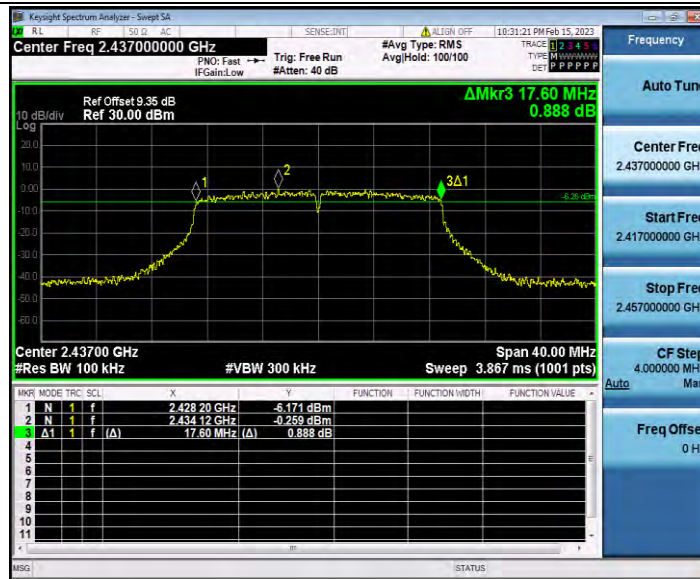
11G_Ant0_2462



11N20SISO_Ant0_2412



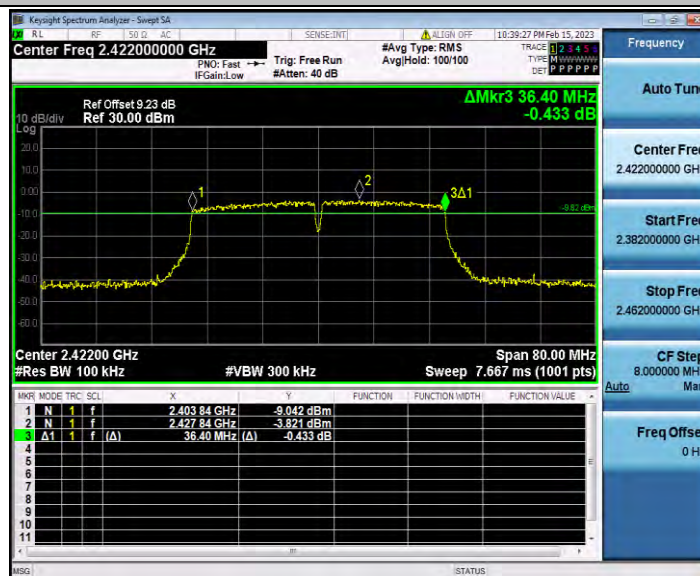
11N20SISO_Ant0_2437



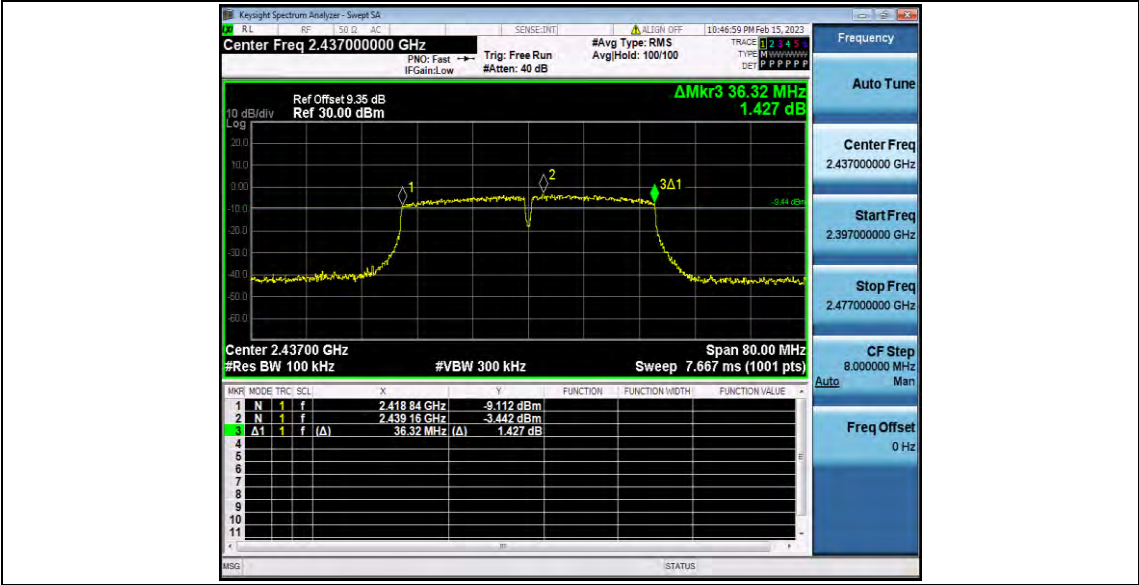
11N20SISO_Ant0_2462



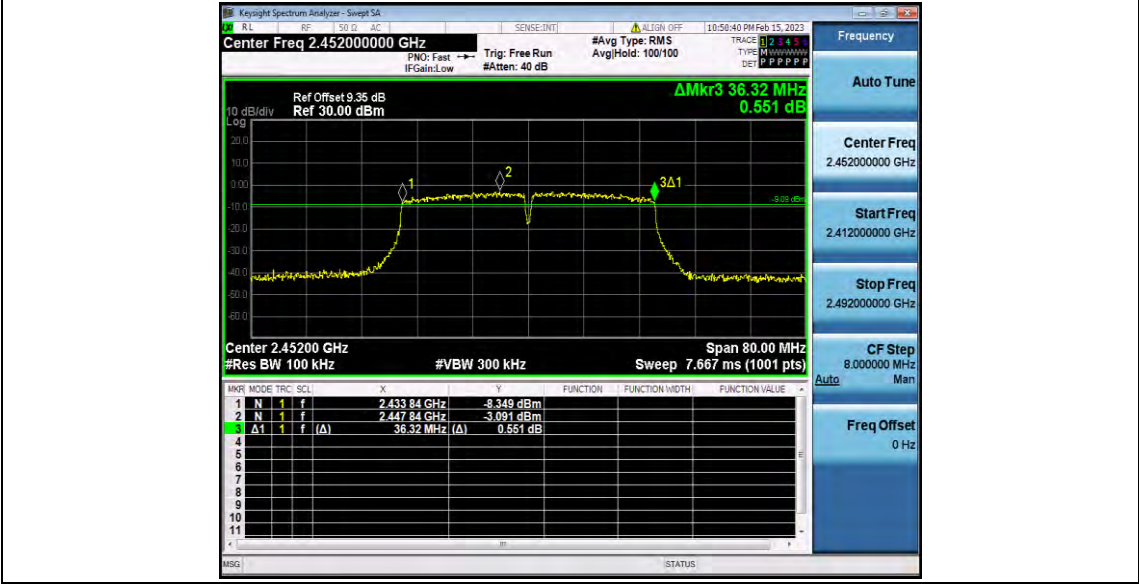
11N40SISO_Ant0_2422



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452



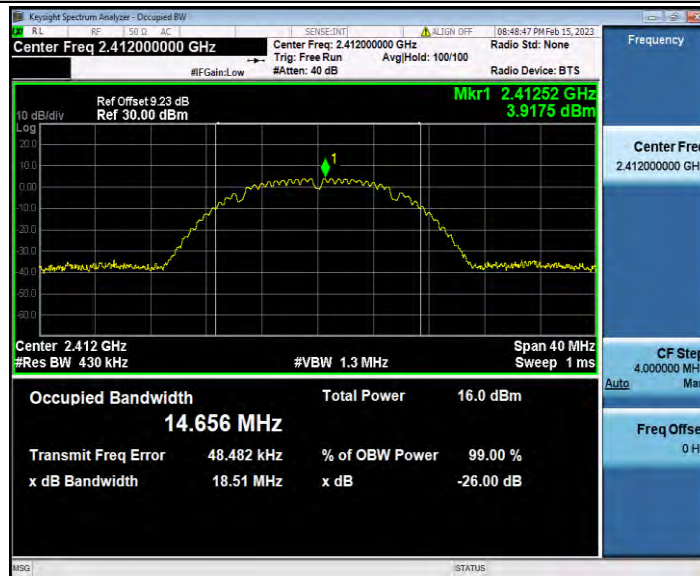
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	14.656	2404.720	2419.376	---	---
		2437	14.686	2429.733	2444.419	---	---
		2462	14.701	2454.649	2469.350	---	---
11G	Ant0	2412	16.717	2403.606	2420.323	---	---
		2437	16.676	2428.674	2445.350	---	---
		2462	16.662	2453.650	2470.312	---	---
11N20SISO	Ant0	2412	17.868	2403.096	2420.964	---	---
		2437	17.862	2428.117	2445.979	---	---
		2462	17.845	2453.088	2470.933	---	---
11N40SISO	Ant0	2422	36.225	2404.032	2440.257	---	---
		2437	36.208	2419.059	2455.267	---	---
		2452	36.131	2434.016	2470.147	---	---

Test Graphs

11B_Ant0_2412



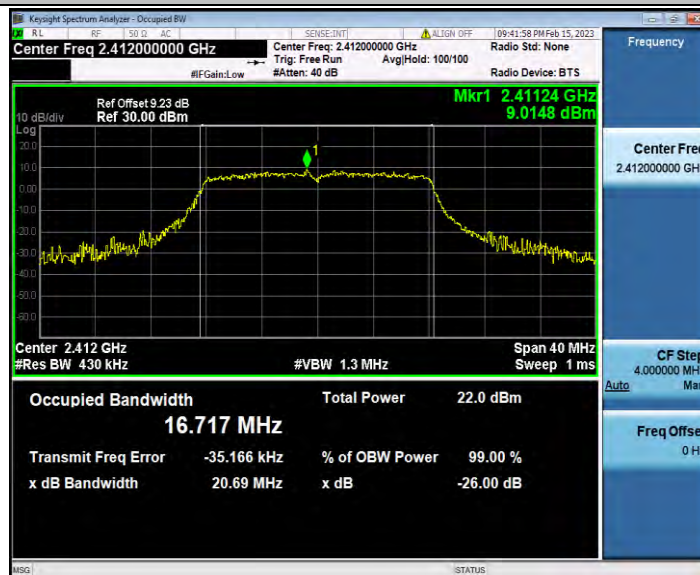
11B_Ant0_2437



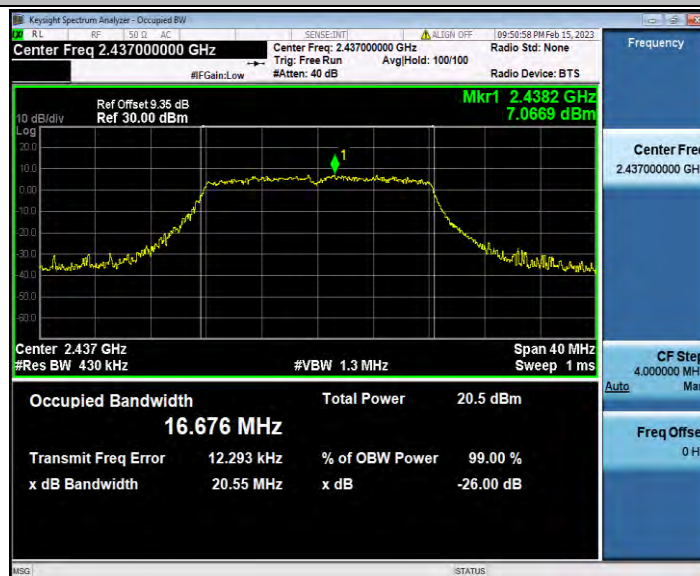
11B_Ant0_2462



11G_Ant0_2412



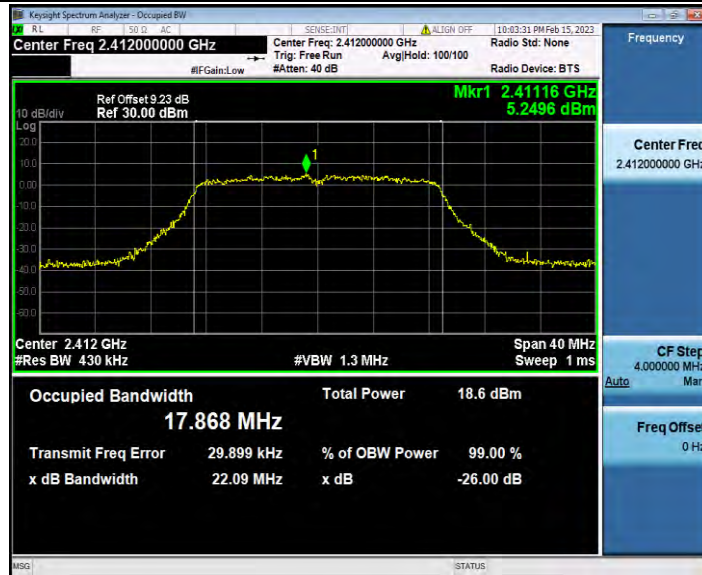
11G_Ant0_2437



11G_Ant0_2462



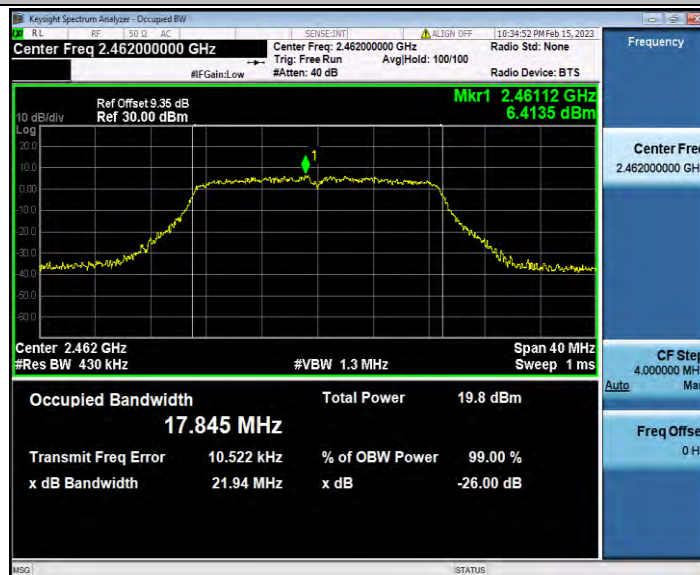
11N20SISO_Ant0_2412



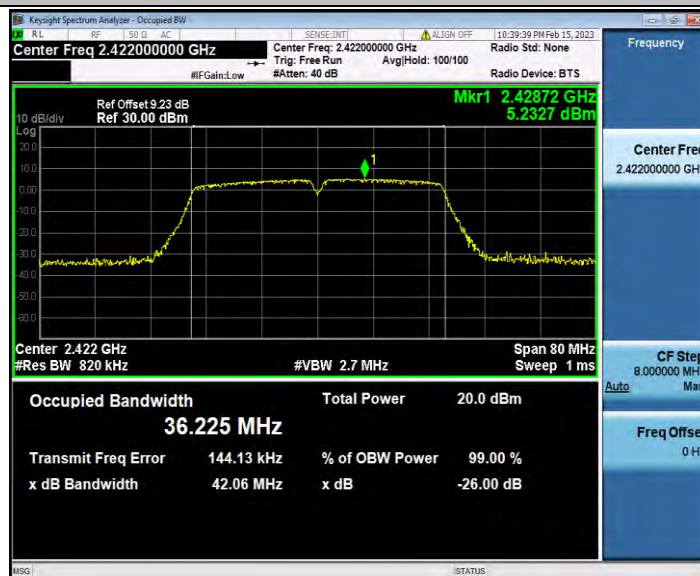
11N20SISO_Ant0_2437



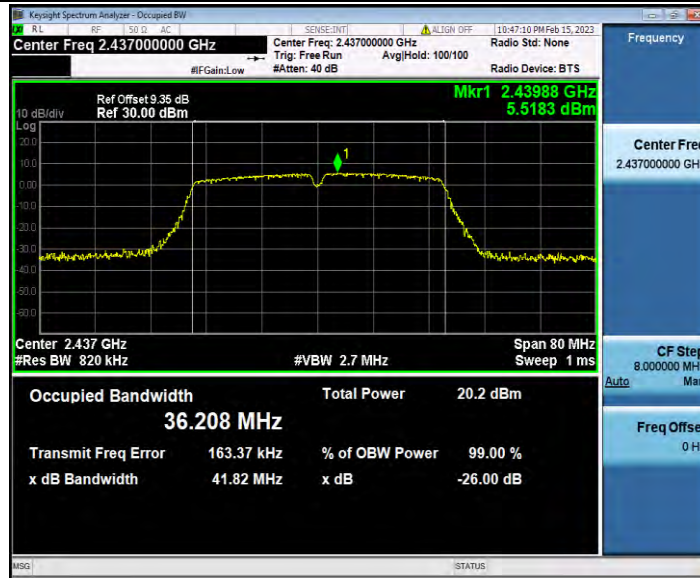
11N20SISO_Ant0_2462



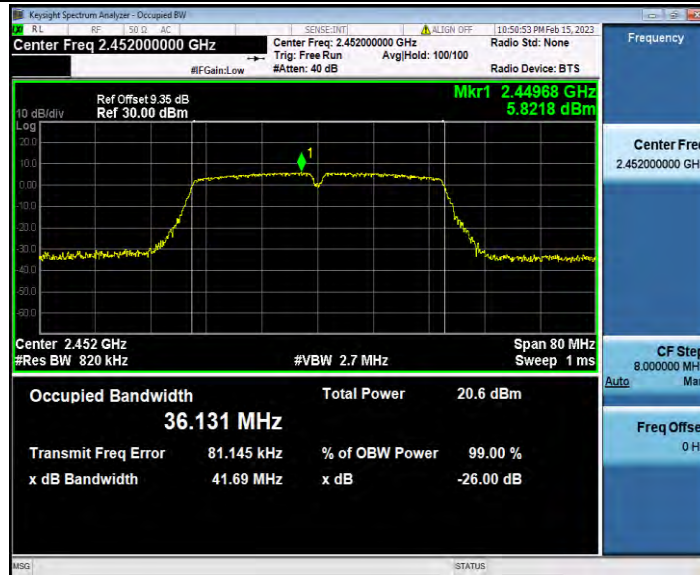
11N40SISO_Ant0_2422



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant0	2412	15.97	≤30.00	PASS
		2437	16.58	≤30.00	PASS
		2462	16.91	≤30.00	PASS
11G	Ant0	2412	21.20	≤30.00	PASS
		2437	21.66	≤30.00	PASS
		2462	21.04	≤30.00	PASS
11N20SISO	Ant0	2412	19.99	≤30.00	PASS
		2437	20.73	≤30.00	PASS
		2462	21.20	≤30.00	PASS
11N40SISO	Ant0	2422	20.29	≤30.00	PASS
		2437	20.50	≤30.00	PASS
		2452	20.97	≤30.00	PASS

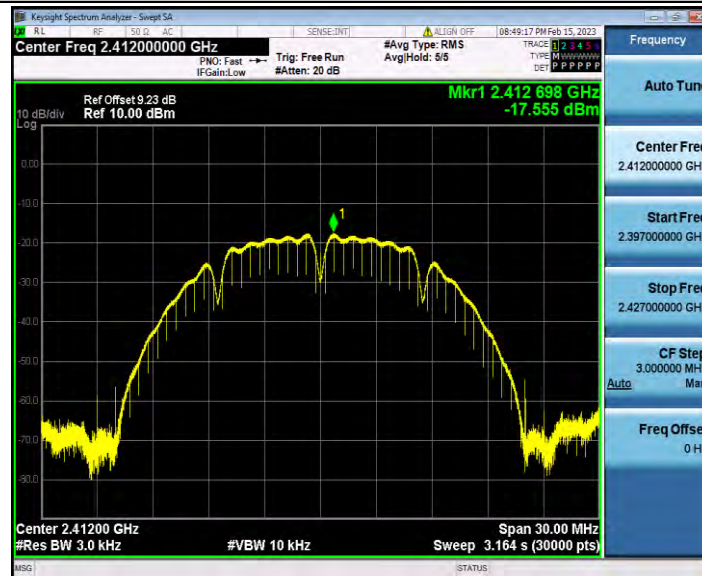
Appendix C.4: Maximum power spectral density

Test Result

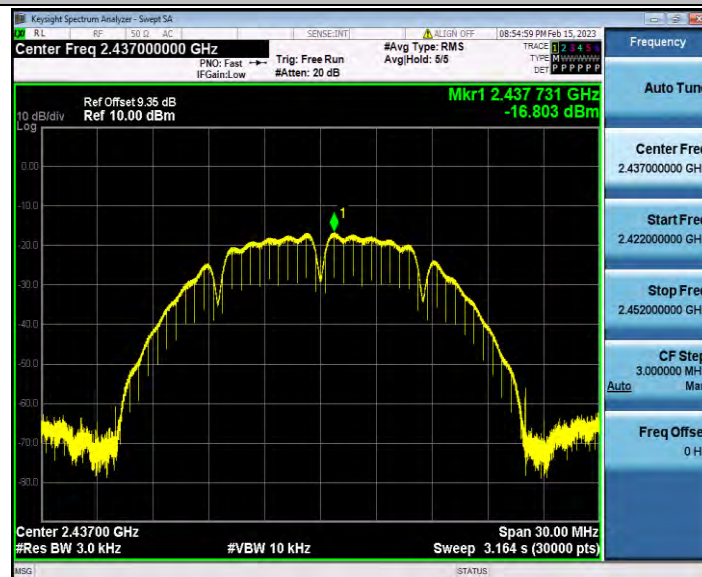
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-17.56	≤8.00	PASS
		2437	-16.8	≤8.00	PASS
		2462	-16.54	≤8.00	PASS
11G	Ant0	2412	-12.09	≤8.00	PASS
		2437	-13.39	≤8.00	PASS
		2462	-12.97	≤8.00	PASS
11N20SISO	Ant0	2412	-15.23	≤8.00	PASS
		2437	-13.38	≤8.00	PASS
		2462	-13.47	≤8.00	PASS
11N40SISO	Ant0	2422	-16.48	≤8.00	PASS
		2437	-14.96	≤8.00	PASS
		2452	-14.07	≤8.00	PASS

Test Graphs

11B_Ant0_2412



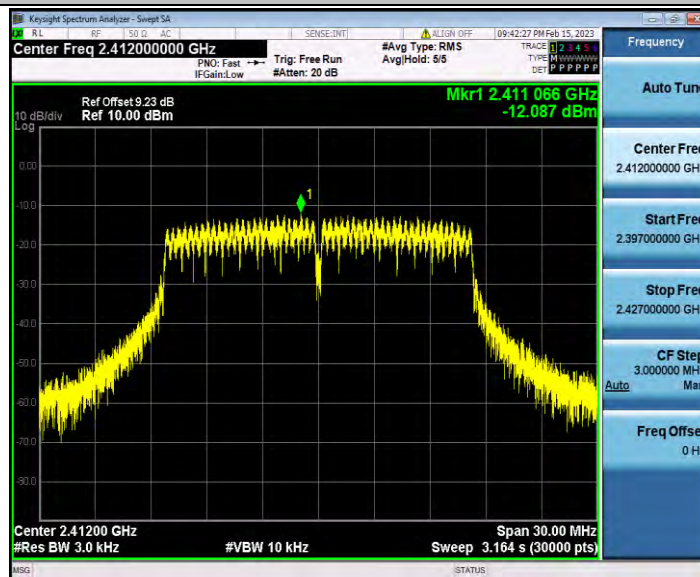
11B_Ant0_2437



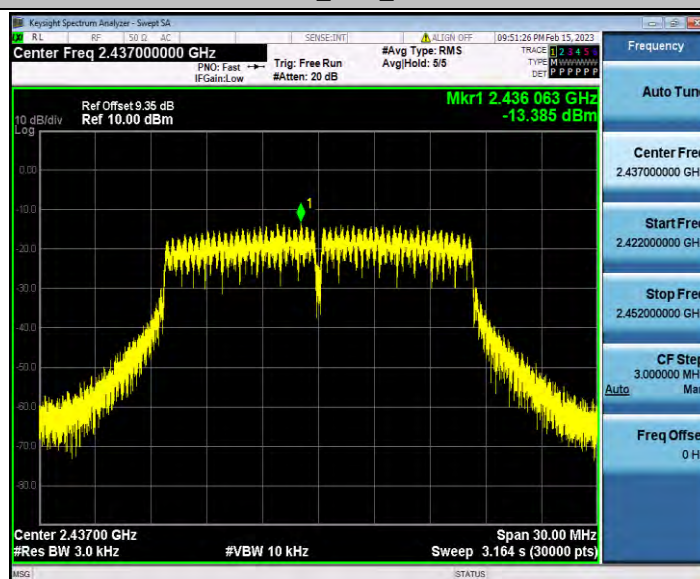
11B_Ant0_2462



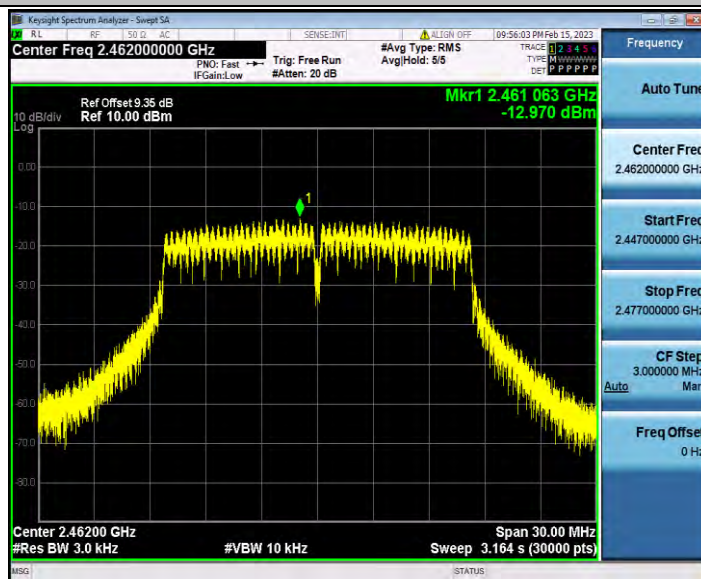
11G_Ant0_2412



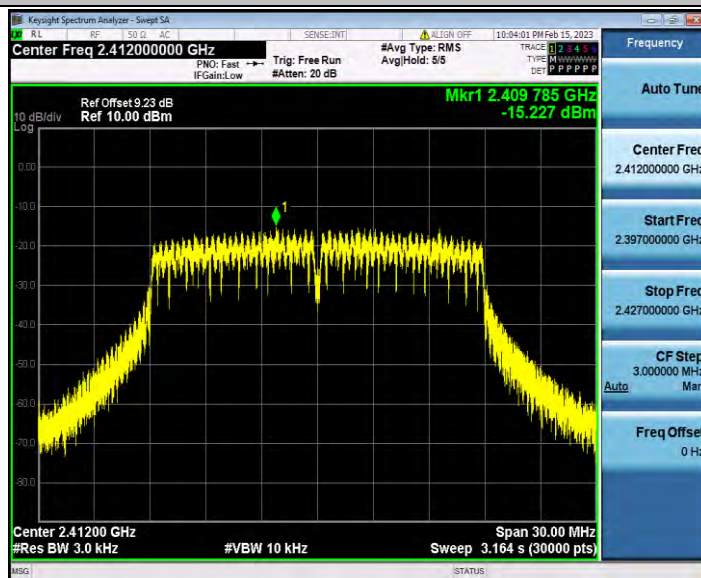
11G_Ant0_2437



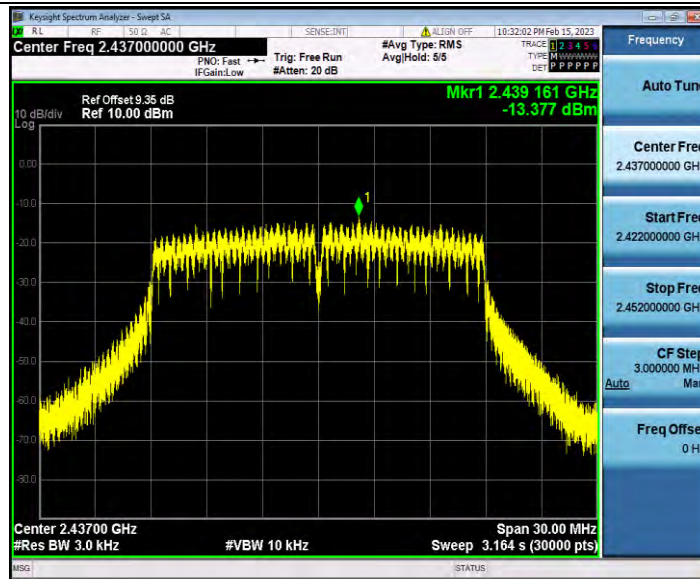
11G_Ant0_2462



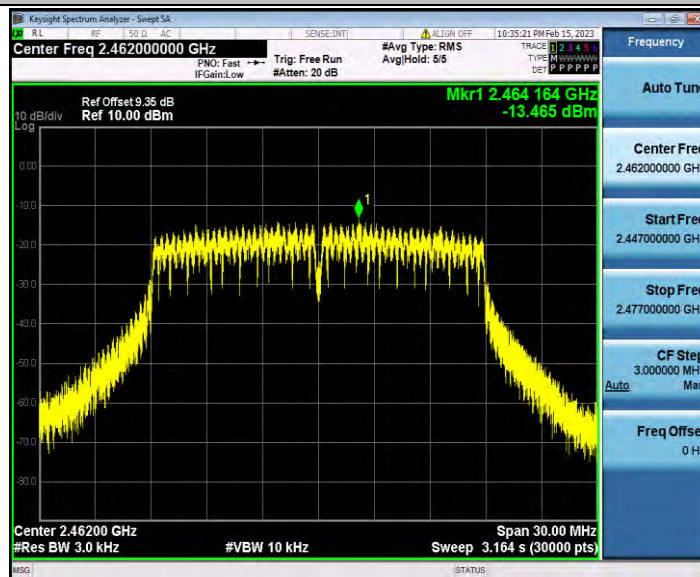
11N20SISO_Ant0_2412



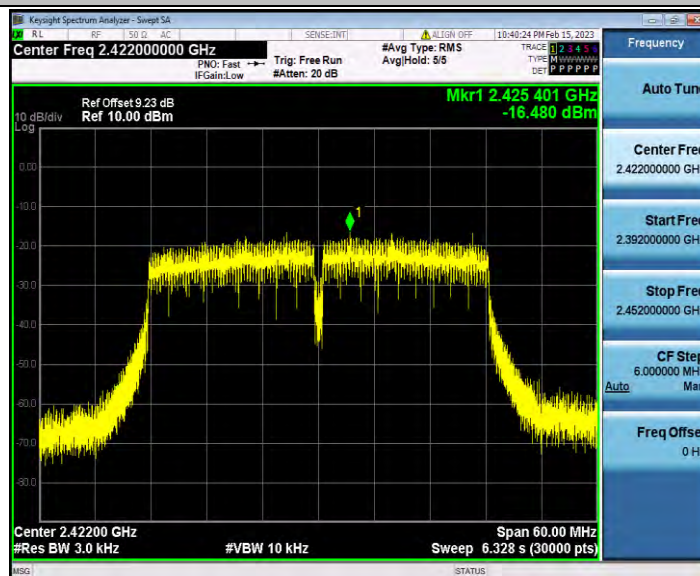
11N20SISO_Ant0_2437



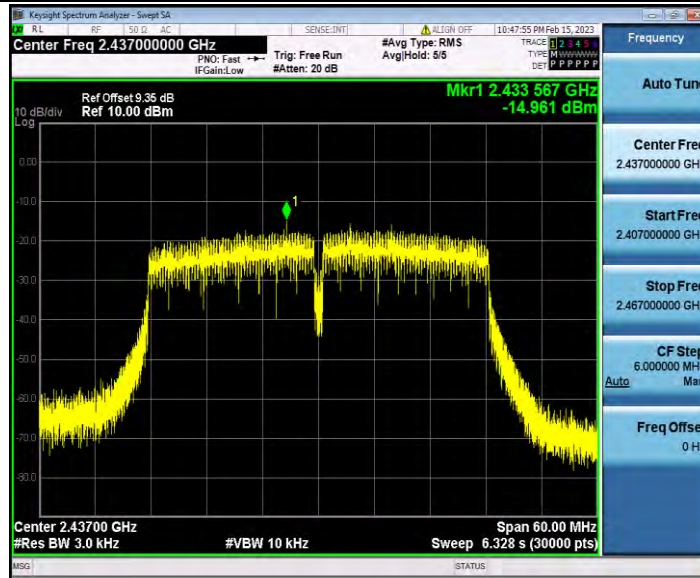
11N20SISO_Ant0_2462



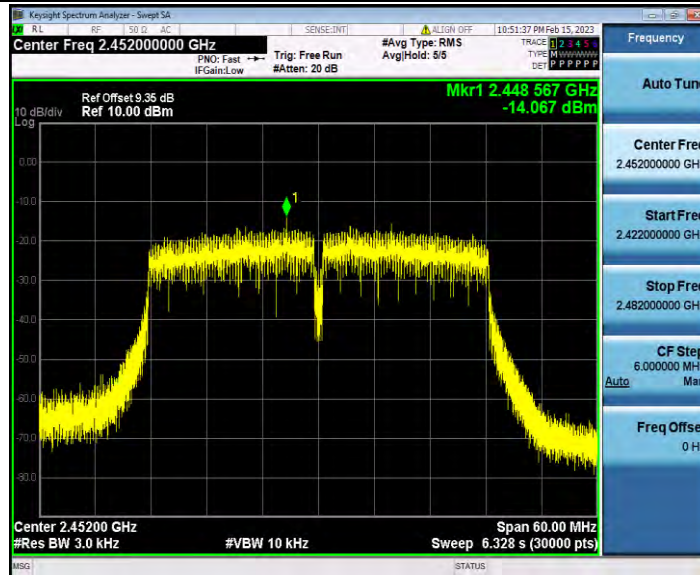
11N40SISO_Ant0_2422



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452



Appendix C.5: Band edge measurements

Test Result

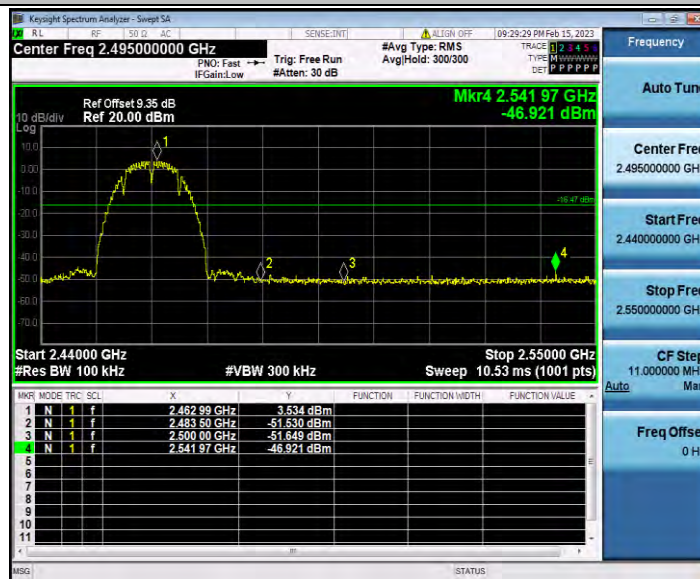
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	2.27	-44.21	≤-17.74	PASS
		High	2462	3.53	-46.92	≤-16.47	PASS
11G	Ant0	Low	2412	2.03	-29.52	≤-17.97	PASS
		High	2462	1.07	-47.89	≤-18.93	PASS
11N20SISO	Ant0	Low	2412	-1.11	-35.81	≤-21.11	PASS
		High	2462	0.12	-48.65	≤-19.88	PASS
11N40SISO	Ant0	Low	2422	-4.15	-41.14	≤-24.15	PASS
		High	2452	-3.31	-48.18	≤-23.31	PASS

Test Graphs

11B_Ant0_Low_2412



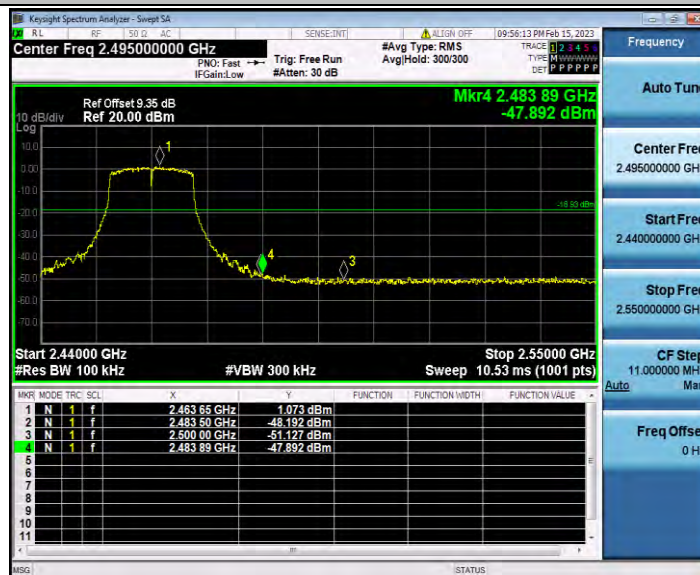
11B_Ant0_High_2462



11G_Ant0_Low_2412



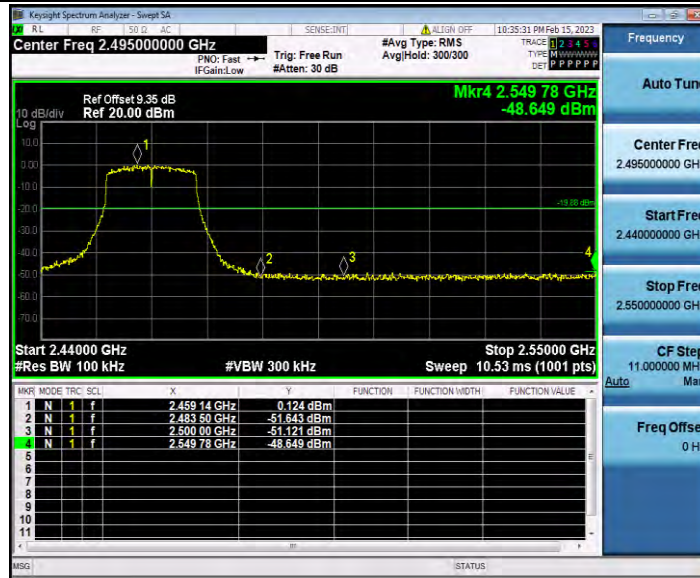
11G_Ant0_High_2462



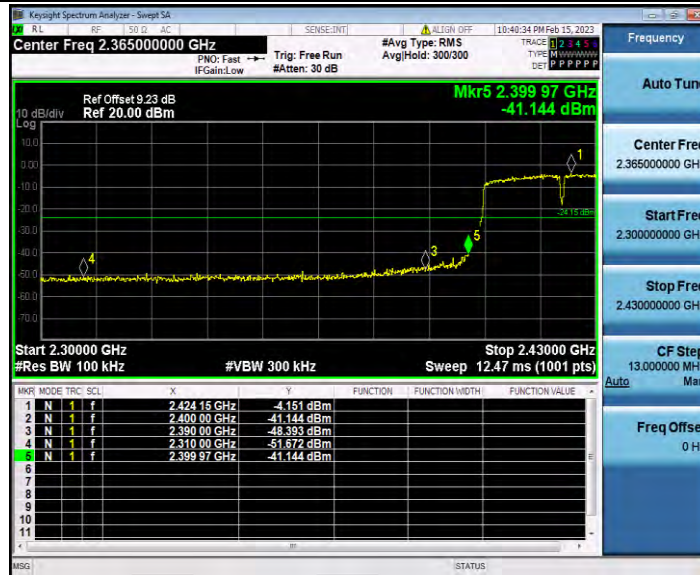
11N20SISO_Ant0_Low_2412



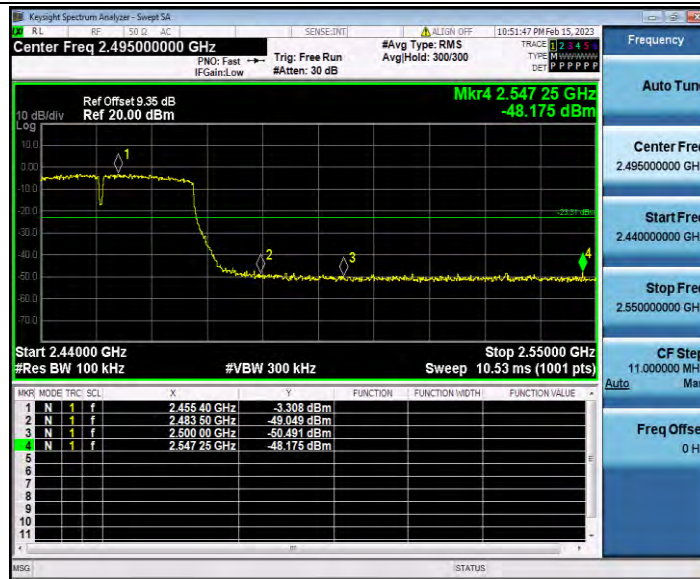
11N20SISO_Ant0_High_2462



11N40SISO_Ant0_Low_2422



11N40SISO_Ant0_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

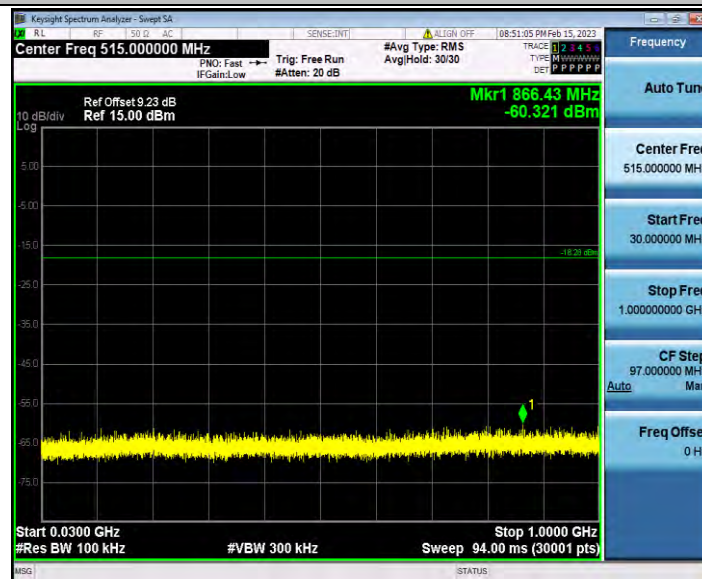
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	1.72	1.72	---	PASS
			30~1000	1.72	-60.32	≤-18.28	PASS
			1000~26500	1.72	-47.63	≤-18.28	PASS
		2437	Reference	3.16	3.16	---	PASS
			30~1000	3.16	-60.37	≤-16.84	PASS
			1000~26500	3.16	-47.04	≤-16.84	PASS
		2462	Reference	3.49	3.49	---	PASS
			30~1000	3.49	-60.4	≤-16.51	PASS
			1000~26500	3.49	-47.3	≤-16.51	PASS
11G	Ant0	2412	Reference	0.95	0.95	---	PASS
			30~1000	0.95	-60.03	≤-19.05	PASS
			1000~26500	0.95	-39.34	≤-19.05	PASS
		2437	Reference	0.02	0.02	---	PASS
			30~1000	0.02	-59.69	≤-19.98	PASS
			1000~26500	0.02	-47.65	≤-19.98	PASS
		2462	Reference	0.95	0.95	---	PASS
			30~1000	0.95	-60.32	≤-19.05	PASS
			1000~26500	0.95	-46.75	≤-19.05	PASS
11N20SISO	Ant0	2412	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-60.47	≤-21.47	PASS
			1000~26500	-1.47	-47.95	≤-21.47	PASS
		2437	Reference	-1.33	-1.33	---	PASS
			30~1000	-1.33	-59.92	≤-21.33	PASS
			1000~26500	-1.33	-47.32	≤-21.33	PASS
		2462	Reference	-1.36	-1.36	---	PASS
			30~1000	-1.36	-59.63	≤-21.36	PASS
			1000~26500	-1.36	-40.72	≤-21.36	PASS
11N40SISO	Ant0	2422	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-59.92	≤-24.34	PASS
			1000~26500	-4.34	-42.94	≤-24.34	PASS
		2437	Reference	-4.17	-4.17	---	PASS
			30~1000	-4.17	-59.72	≤-24.17	PASS
			1000~26500	-4.17	-47.68	≤-24.17	PASS
		2452	Reference	-3.62	-3.62	---	PASS
			30~1000	-3.62	-60.17	≤-23.62	PASS
			1000~26500	-3.62	-47.27	≤-23.62	PASS

Test Graphs

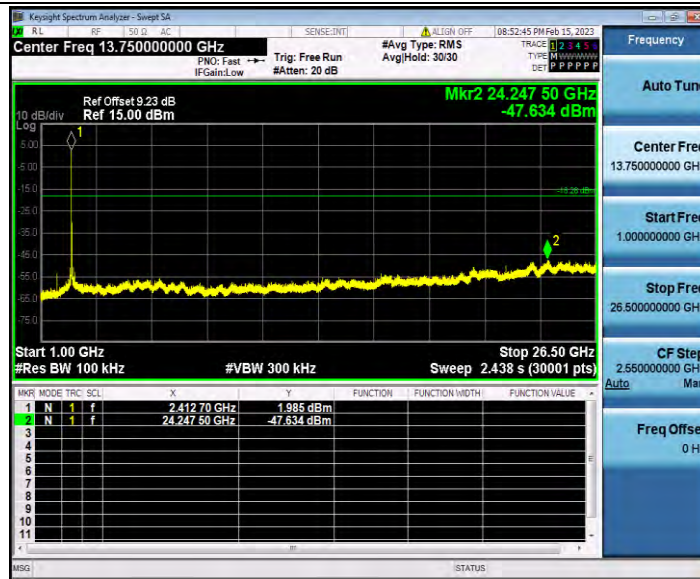
11B_Ant0_2412_0~Reference



11B_Ant0_2412_30~1000



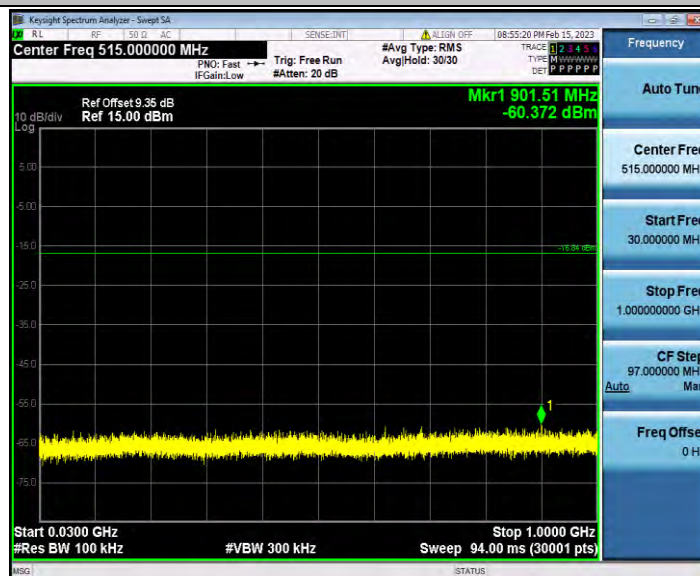
11B_Ant0_2412_1000~26500



11B_Ant0_2437_0~Reference



11B_Ant0_2437_30~1000



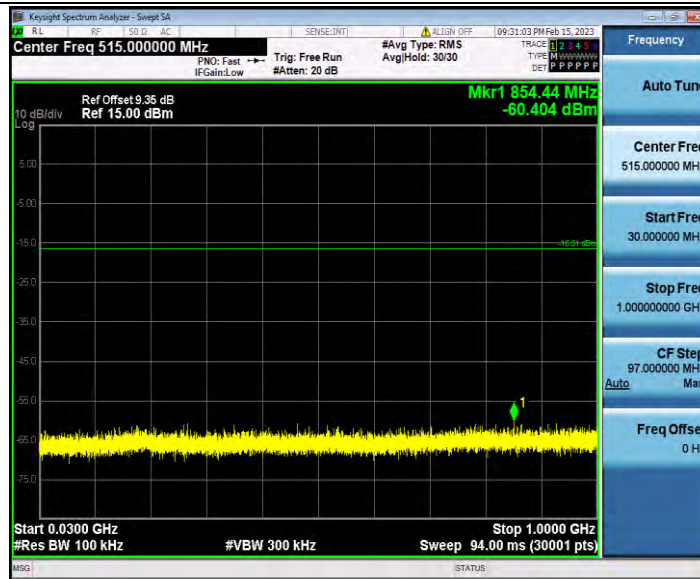
11B_Ant0_2437_1000~26500



11B_Ant0_2462_0~Reference



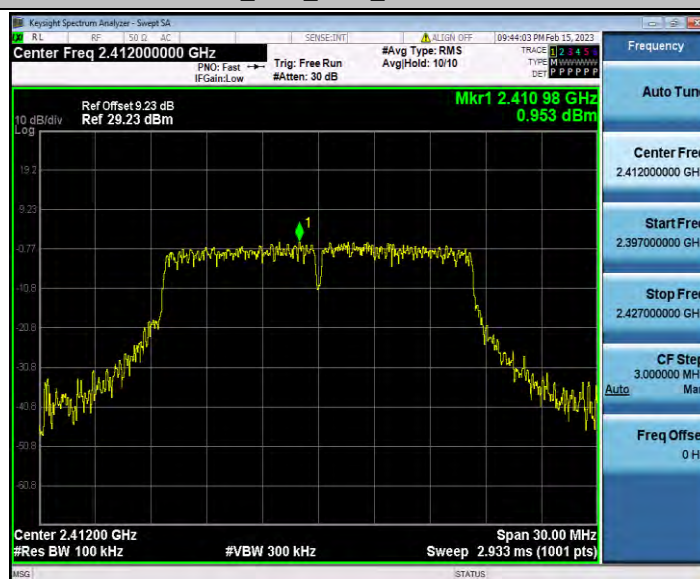
11B_Ant0_2462_30~1000



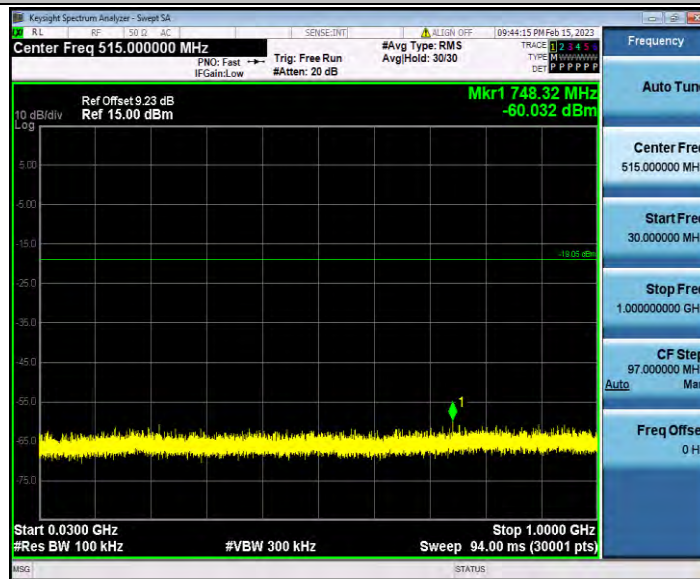
11B_Ant0_2462_1000~26500



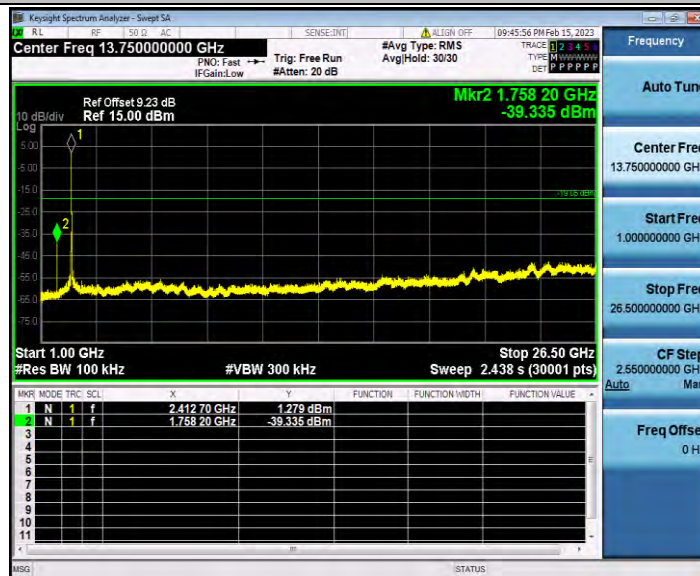
11G_Ant0_2412_0~Reference



11G_Ant0_2412_30~1000



11G_Ant0_2412_1000~26500



11G_Ant0_2437_0~Reference



11G_Ant0_2437_30~1000



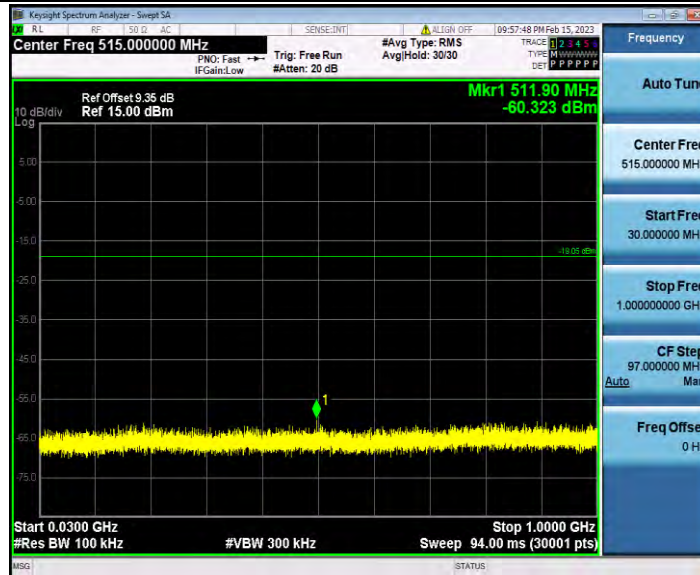
11G_Ant0_2437_1000~26500



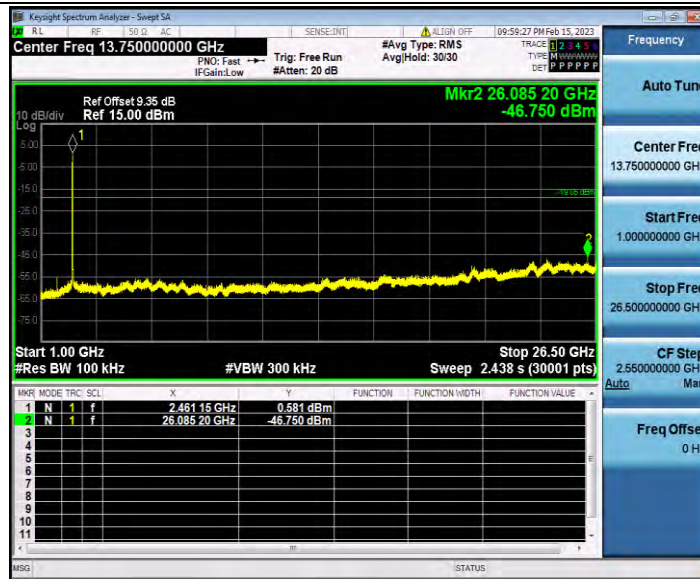
11G_Ant0_2462_0~Reference



11G_Ant0_2462_30~1000



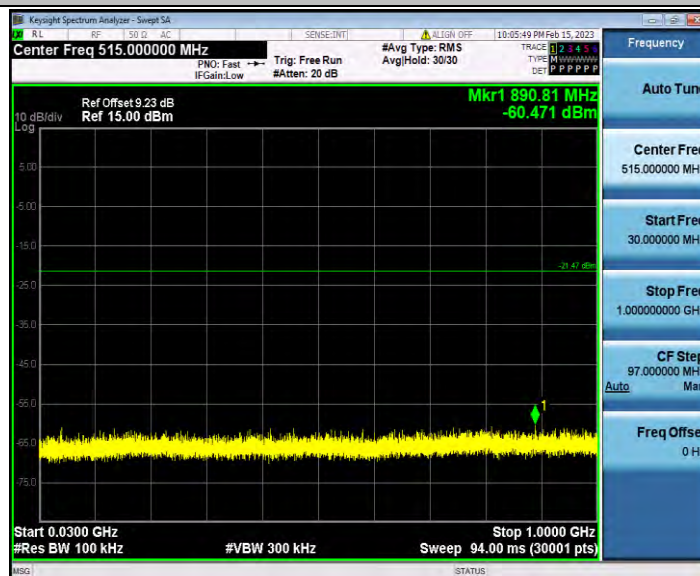
11G_Ant0_2462_1000~26500



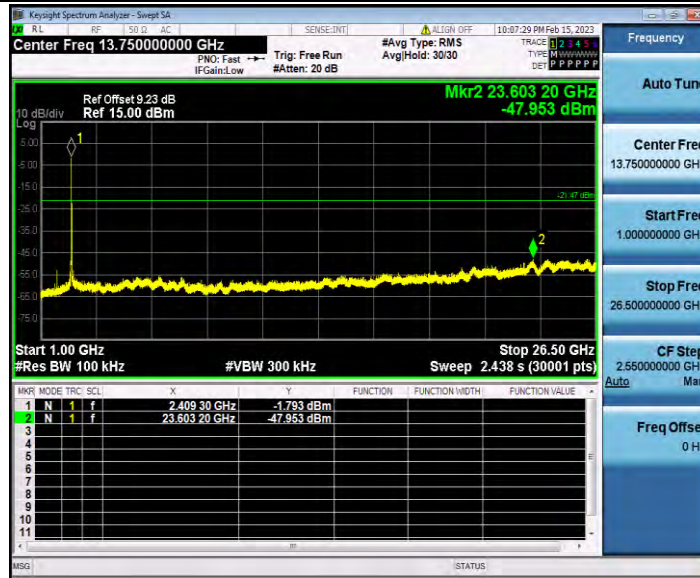
11N20SISO_Ant0_2412_0~Reference



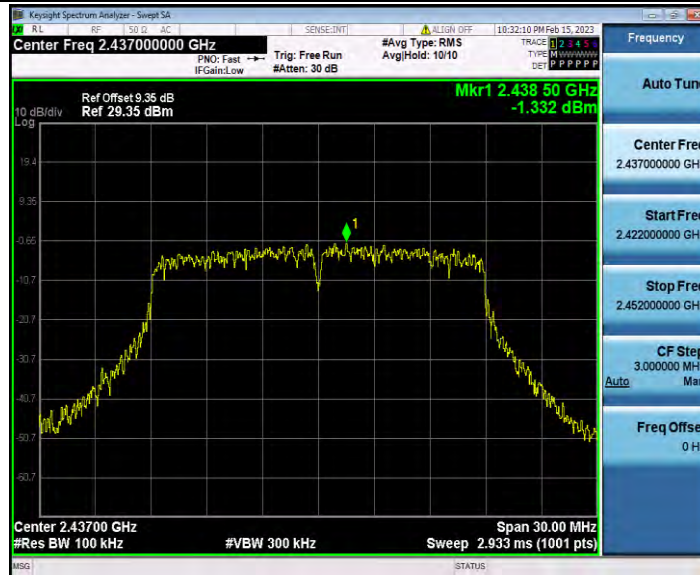
11N20SISO_Ant0_2412_30~1000



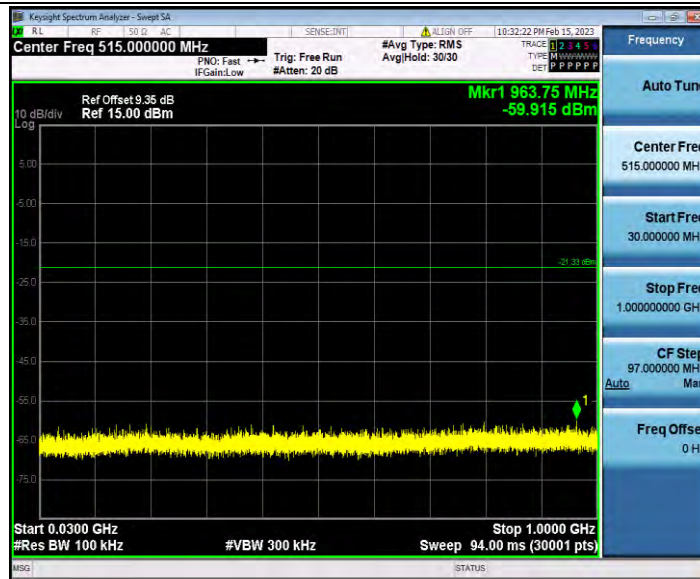
11N20SISO_Ant0_2412_1000~26500



11N20SISO_Ant0_2437_0~Reference



11N20SISO_Ant0_2437_30~1000



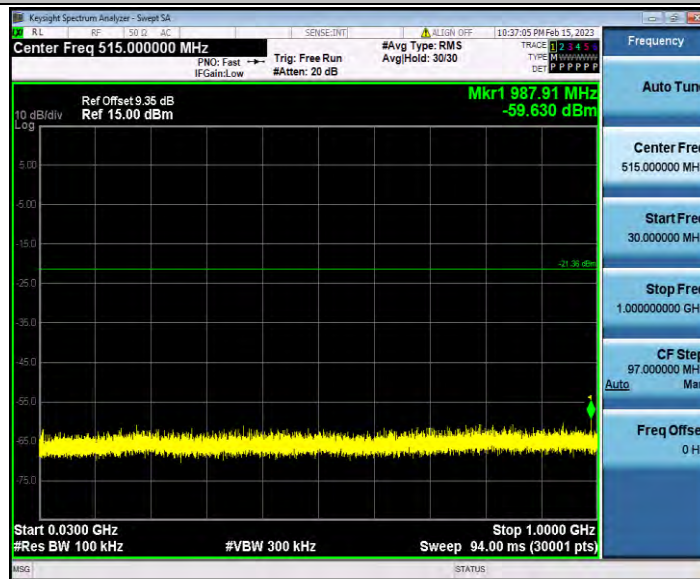
11N20SISO_Ant0_2437_1000~26500



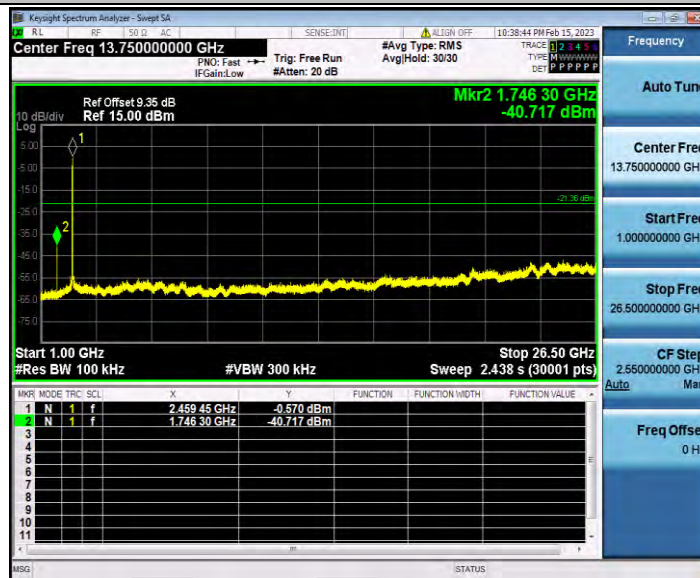
11N20SISO_Ant0_2462_0~Reference



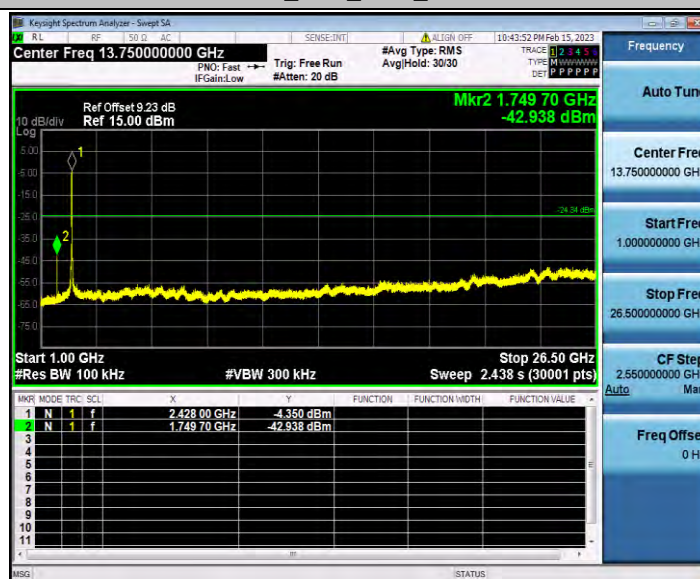
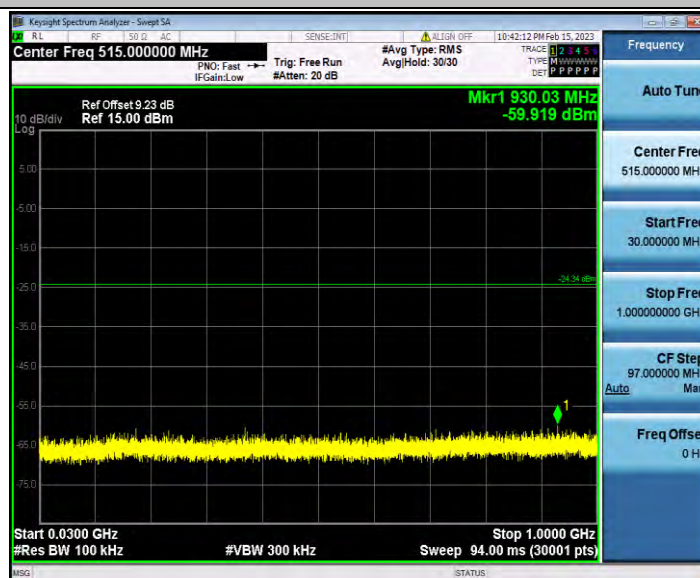
11N20SISO_Ant0_2462_30~1000



11N20SISO_Ant0_2462_1000~26500



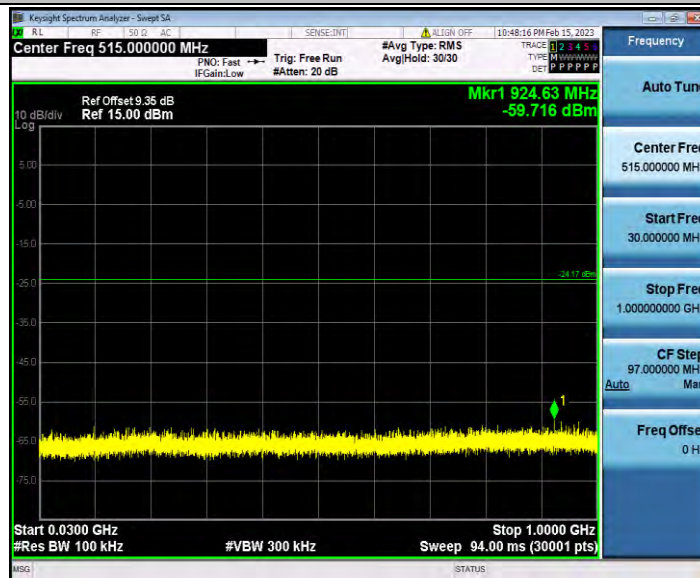
11N40SISO_Ant0_2422_0~Reference



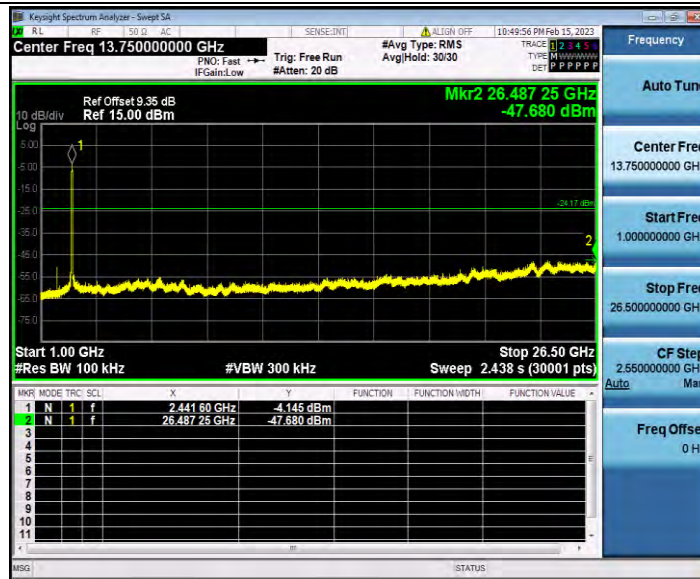
11N40SISO_Ant0_2437_0~Reference



11N40SISO_Ant0_2437_30~1000



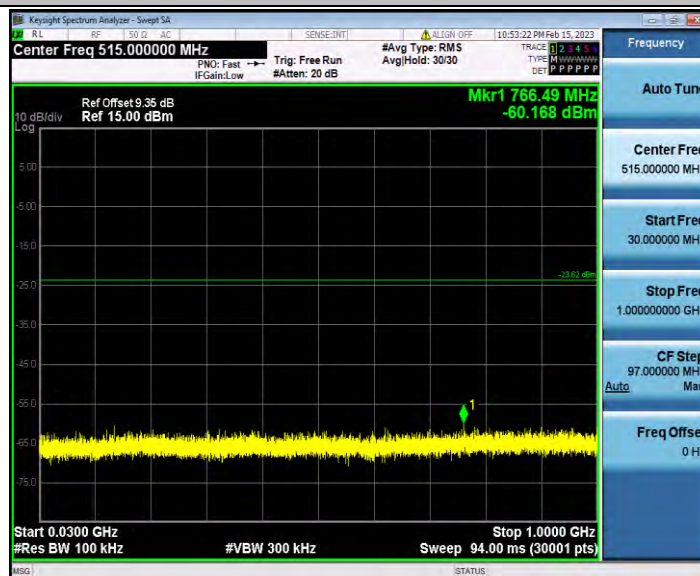
11N40SISO_Ant0_2437_1000~26500



11N40SISO_Ant0_2452_0~Reference



11N40SISO_Ant0_2452_30~1000



11N40SISO_Ant0_2452_1000~26500

