

Case No. : GTS20221206017-1-1	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.1.3	Test Engineer: Jenny zeng

Appendix A.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	10.040	2431.960	2442.000	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	15.040	2429.480	2444.520	0.5	PASS
		2462	15.640	2454.120	2469.760	0.5	PASS
11N20SISO	Ant1	2412	17.320	2403.440	2420.760	0.5	PASS
		2437	16.520	2428.840	2445.360	0.5	PASS
		2462	16.040	2453.840	2469.880	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.400	2439.440	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	33.840	2435.680	2469.520	0.5	PASS

Test Graphs

11B_Ant1_2412



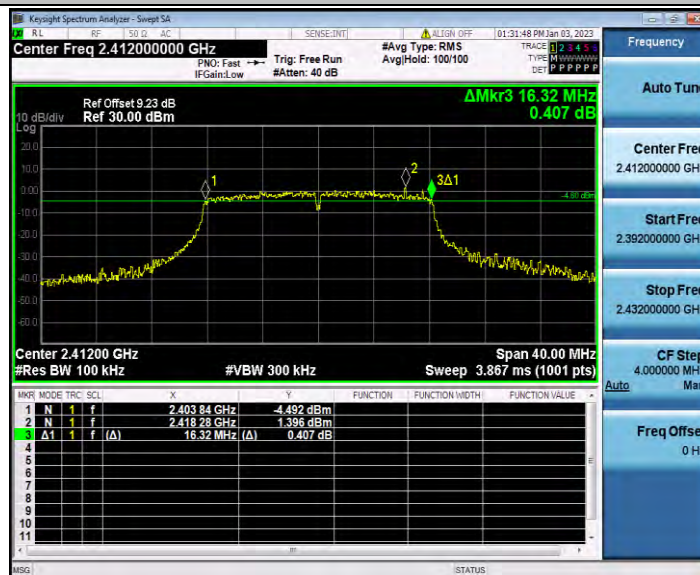
11B_Ant1_2437



11B_Ant1_2462



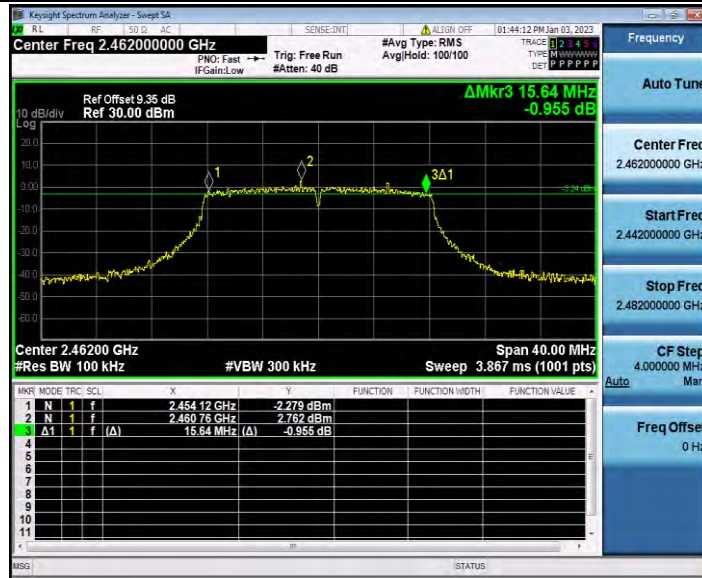
11G_Ant1_2412



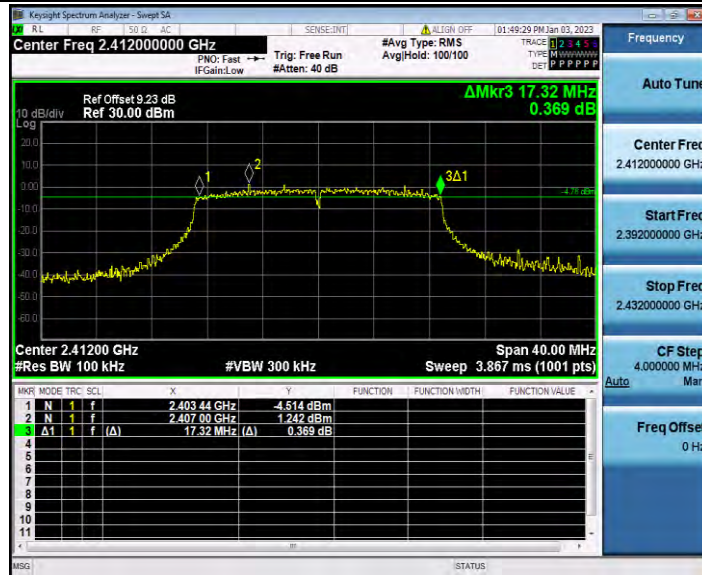
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



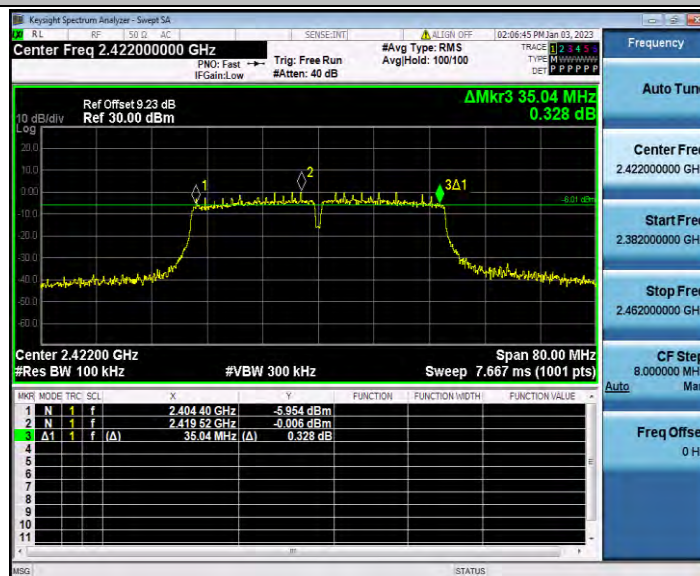
11N20SISO_Ant1_2437



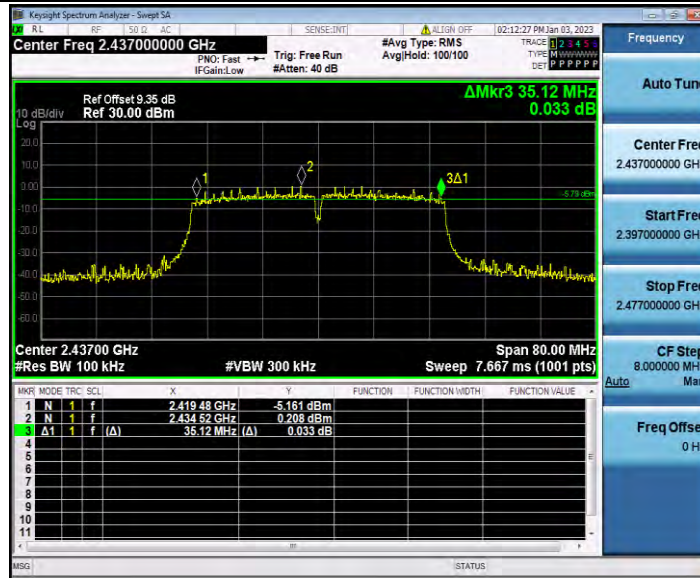
11N20SISO_Ant1_2462



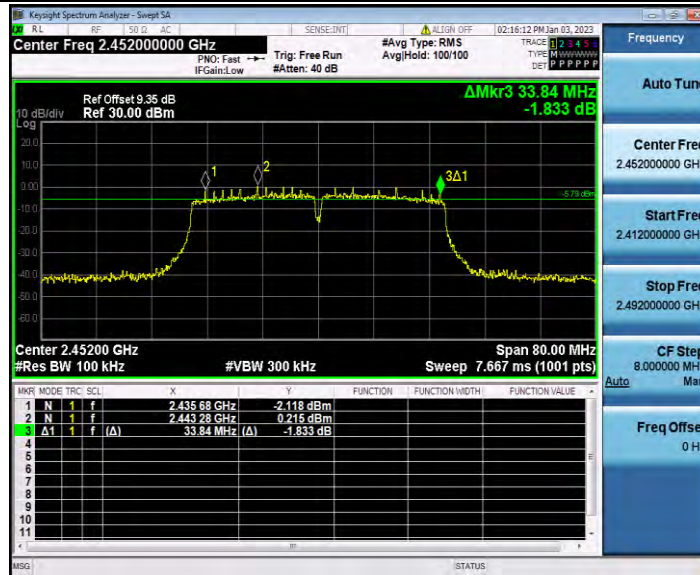
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



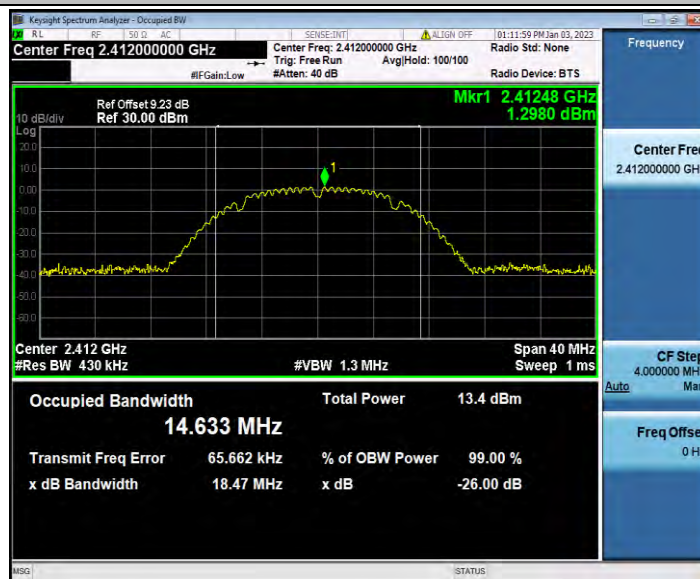
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.633	2404.749	2419.382	---	---
		2437	14.612	2429.739	2444.351	---	---
		2462	14.607	2454.683	2469.290	---	---
11G	Ant1	2412	16.791	2403.617	2420.408	---	---
		2437	16.799	2428.621	2445.420	---	---
		2462	16.694	2453.666	2470.360	---	---
11N20SISO	Ant1	2412	17.869	2403.133	2421.002	---	---
		2437	17.835	2428.119	2445.954	---	---
		2462	17.835	2453.085	2470.920	---	---
11N40SISO	Ant1	2422	36.302	2404.009	2440.311	---	---
		2437	36.122	2418.998	2455.120	---	---
		2452	36.176	2433.930	2470.106	---	---

Test Graphs

11B_Ant1_2412



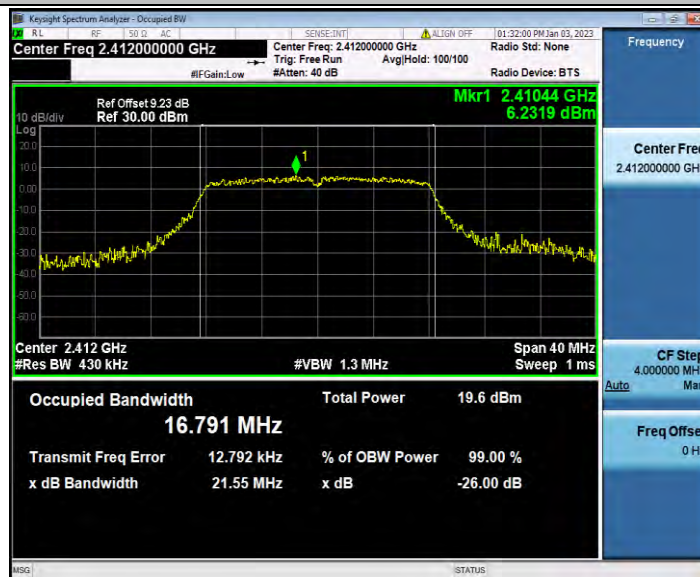
11B_Ant1_2437



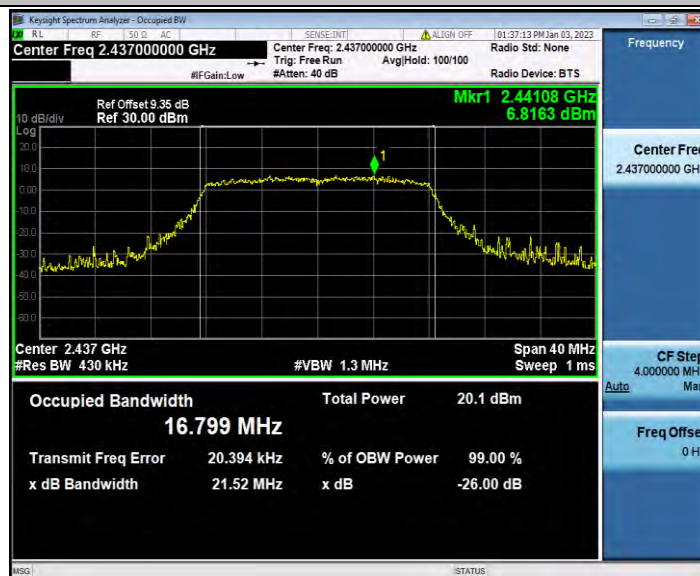
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



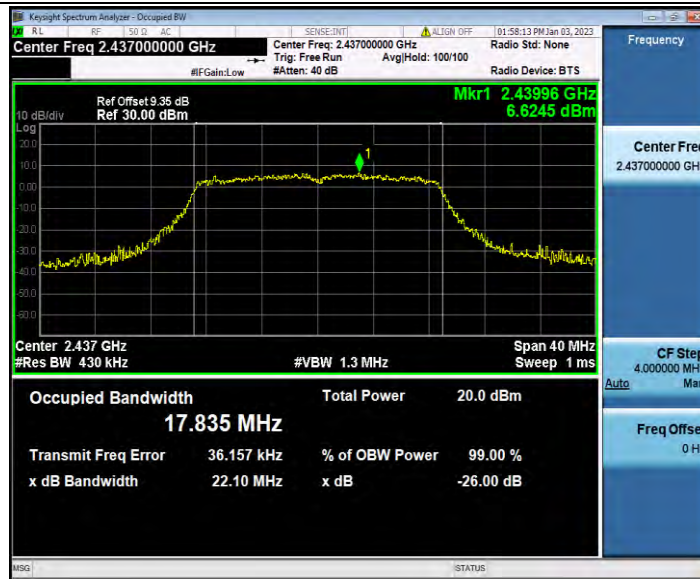
11G_Ant1_2462



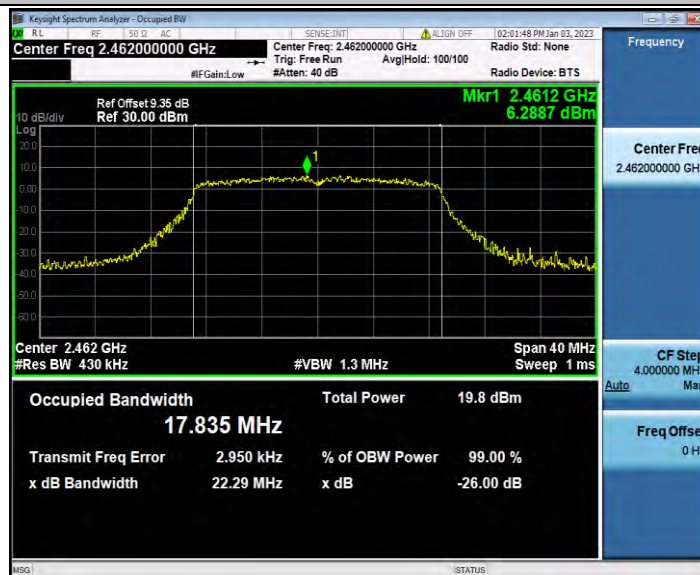
11N20SISO_Ant1_2412



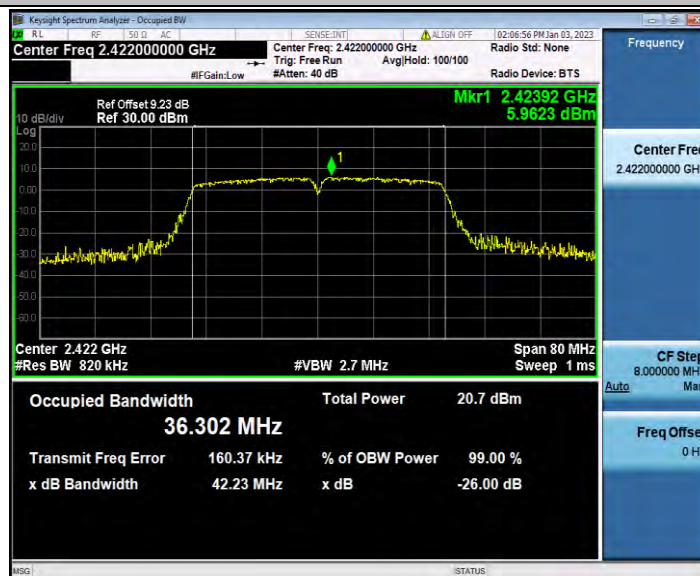
11N20SISO_Ant1_2437



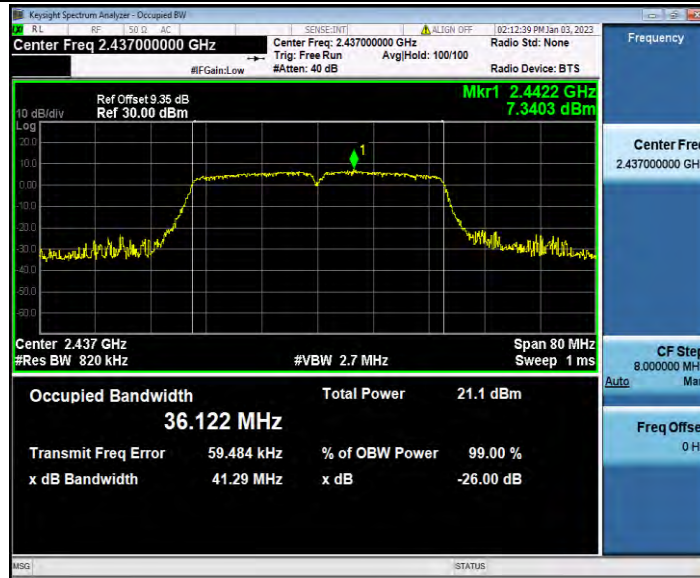
11N20SISO_Ant1_2462



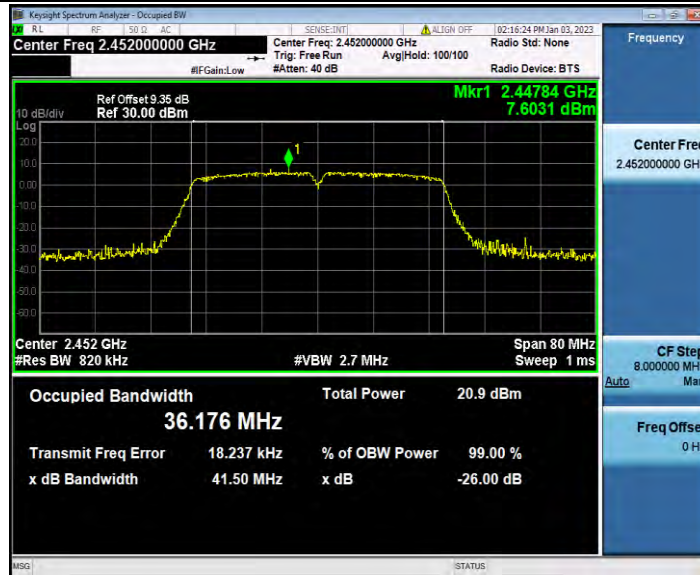
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	13.45	≤30.00	PASS
		2437	14.19	≤30.00	PASS
		2462	14.29	≤30.00	PASS
11G	Ant1	2412	20.99	≤30.00	PASS
		2437	21.48	≤30.00	PASS
		2462	21.17	≤30.00	PASS
11N20SISO	Ant1	2412	20.71	≤30.00	PASS
		2437	21.41	≤30.00	PASS
		2462	21.09	≤30.00	PASS
11N40SISO	Ant1	2422	21.07	≤30.00	PASS
		2437	21.44	≤30.00	PASS
		2452	21.19	≤30.00	PASS

Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.75	≤8.00	PASS
		2437	-12.73	≤8.00	PASS
		2462	-12.19	≤8.00	PASS
11G	Ant1	2412	-10.87	≤8.00	PASS
		2437	-10.6	≤8.00	PASS
		2462	-10.1	≤8.00	PASS
11N20SISO	Ant1	2412	-12.1	≤8.00	PASS
		2437	-10.11	≤8.00	PASS
		2462	-11.21	≤8.00	PASS
11N40SISO	Ant1	2422	-14.11	≤8.00	PASS
		2437	-13.54	≤8.00	PASS
		2452	-14.15	≤8.00	PASS

Test Graphs

11B_Ant1_2412



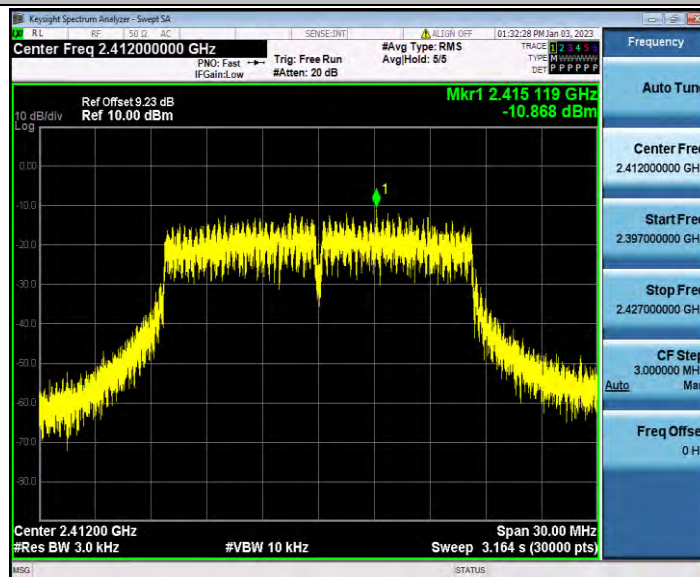
11B_Ant1_2437



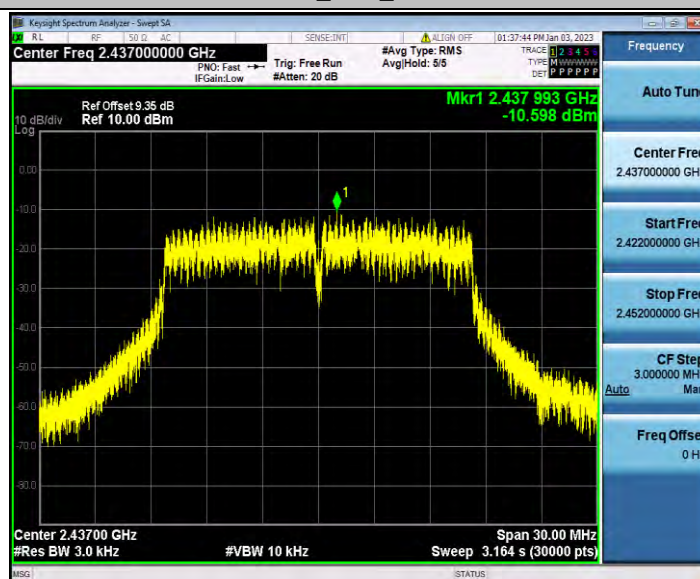
11B_Ant1_2462



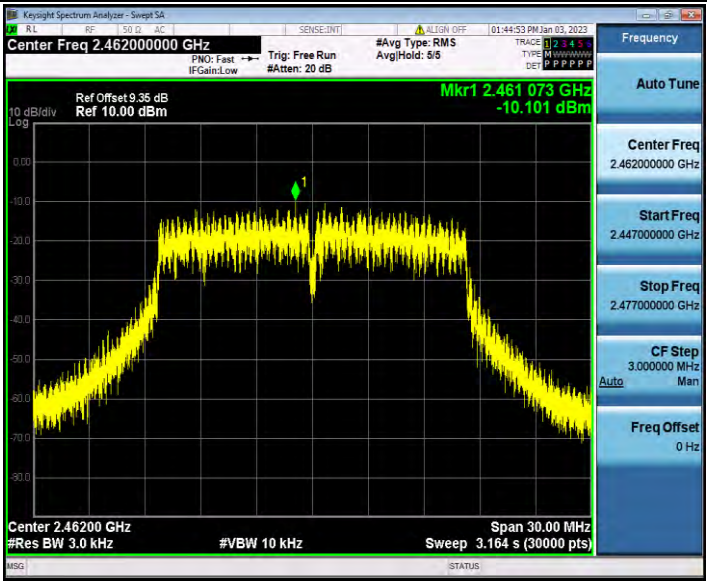
11G_Ant1_2412



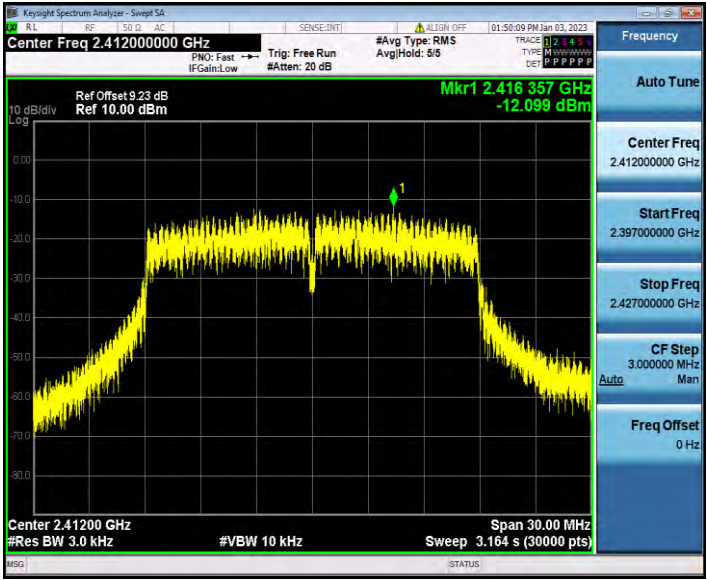
11G_Ant1_2437



11G_Ant1_2462



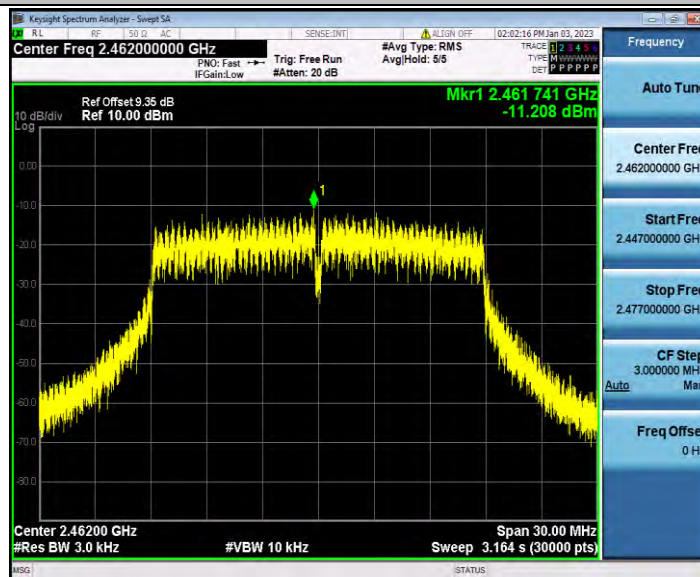
11N20SISO_Ant1_2412



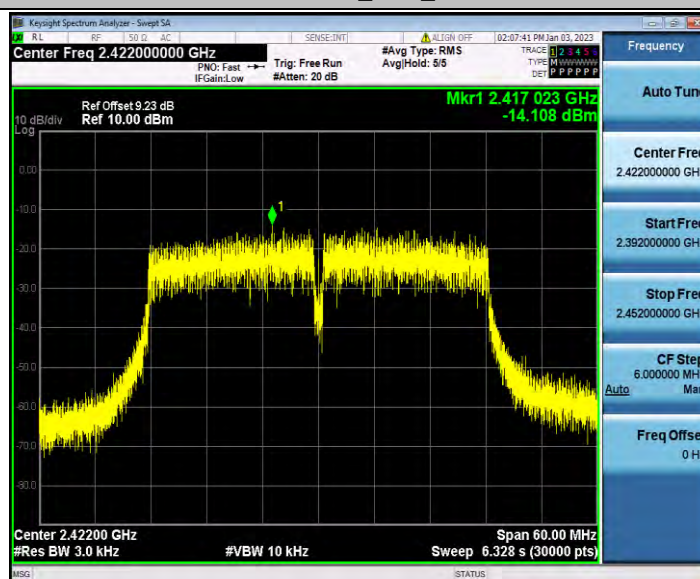
11N20SISO_Ant1_2437



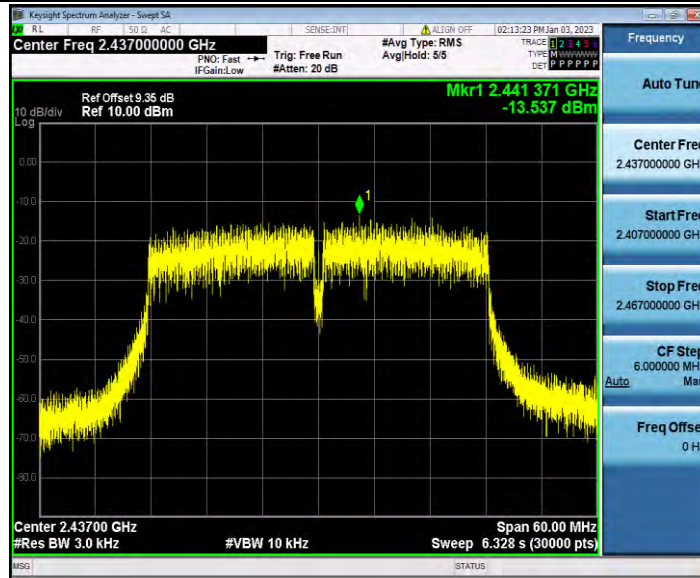
11N20SISO_Ant1_2462



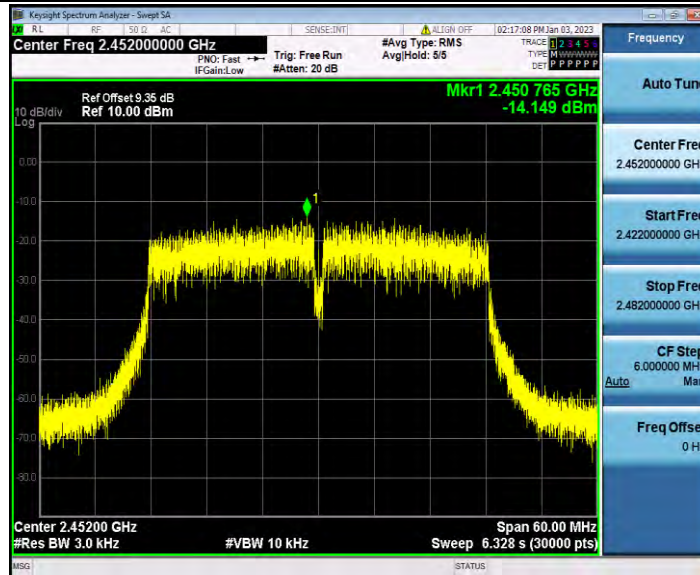
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



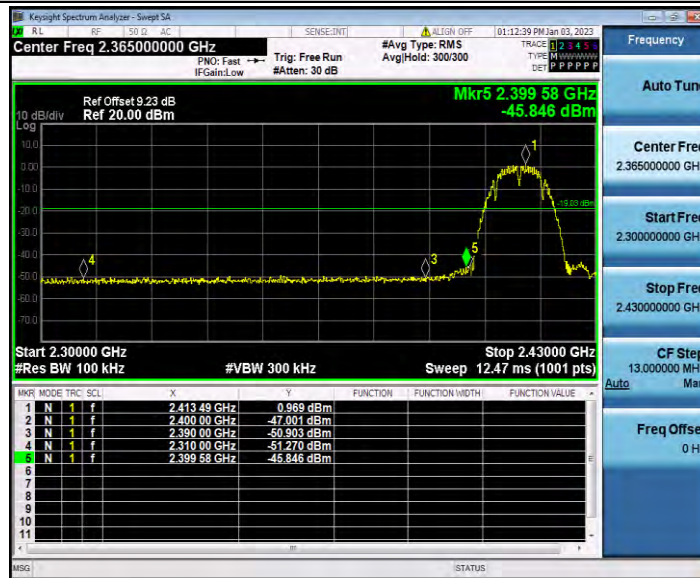
Appendix A.5: Band edge measurements

Test Result

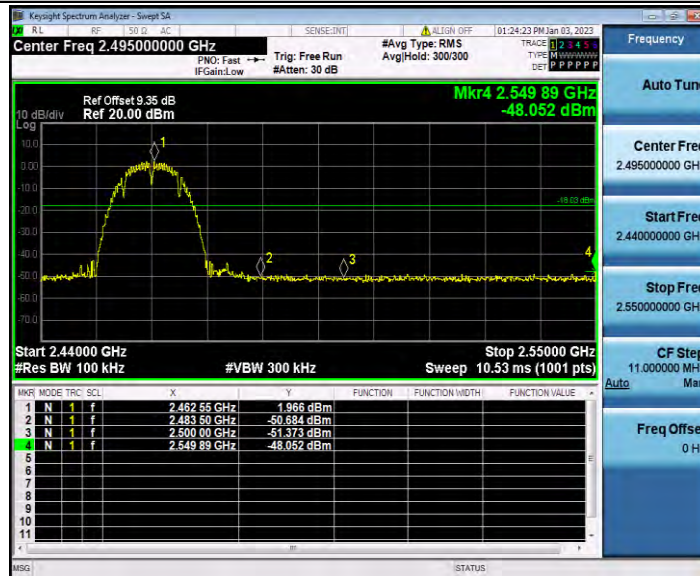
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.97	-45.85	≤-19.03	PASS
		High	2462	1.97	-48.05	≤-18.03	PASS
11G	Ant1	Low	2412	2.42	-33.01	≤-17.58	PASS
		High	2462	3.05	-43.66	≤-16.95	PASS
11N20SISO	Ant1	Low	2412	2.66	-32.64	≤-17.34	PASS
		High	2462	3.06	-44.4	≤-16.94	PASS
11N40SISO	Ant1	Low	2422	0.00	-36.97	≤-20	PASS
		High	2452	0.44	-42.02	≤-19.56	PASS

Test Graphs

11B_Ant1_Low_2412



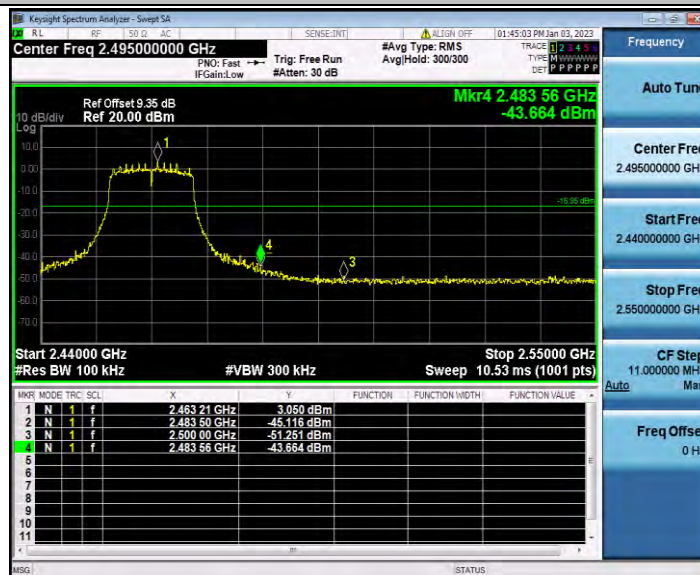
11B_Ant1_High_2462



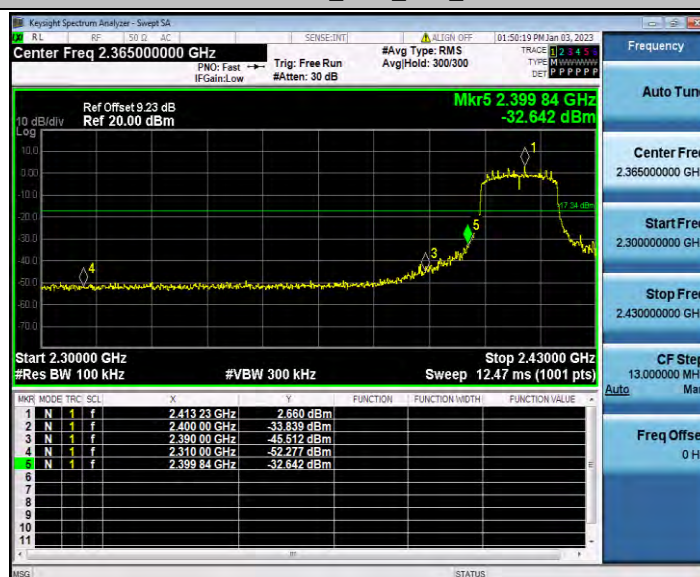
11G_Ant1_Low_2412



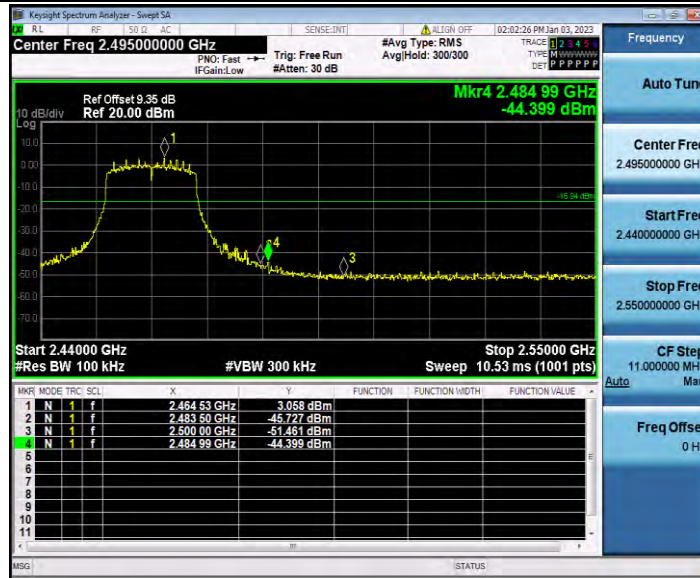
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix A.6: Conducted Spurious Emission

Test Result

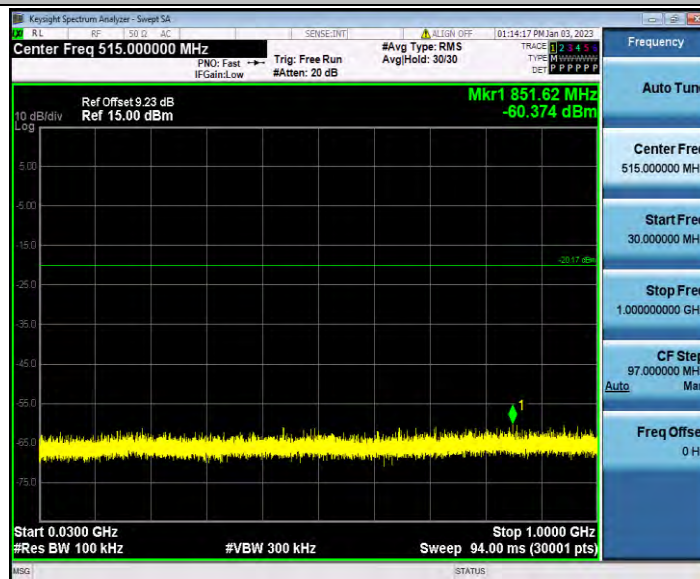
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-60.37	≤ -20.17	PASS
			1000~26500	-0.17	-47.76	≤ -20.17	PASS
		2437	Reference	0.41	0.41	---	PASS
			30~1000	0.41	-60.38	≤ -19.59	PASS
			1000~26500	0.41	-44.47	≤ -19.59	PASS
		2462	Reference	0.41	0.41	---	PASS
			30~1000	0.41	-59.83	≤ -19.59	PASS
			1000~26500	0.41	-47.89	≤ -19.59	PASS
11G	Ant1	2412	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-59.71	≤ -20.48	PASS
			1000~26500	-0.48	-47.69	≤ -20.48	PASS
		2437	Reference	0.10	0.10	---	PASS
			30~1000	0.10	-60.05	≤ -19.9	PASS
			1000~26500	0.10	-47.78	≤ -19.9	PASS
		2462	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-60.1	≤ -17.01	PASS
			1000~26500	2.99	-47.34	≤ -17.01	PASS
11N20SISO	Ant1	2412	Reference	-0.83	-0.83	---	PASS
			30~1000	-0.83	-59.85	≤ -20.83	PASS
			1000~26500	-0.83	-47.68	≤ -20.83	PASS
		2437	Reference	-0.33	-0.33	---	PASS
			30~1000	-0.33	-59.73	≤ -20.33	PASS
			1000~26500	-0.33	-47.64	≤ -20.33	PASS
		2462	Reference	2.89	2.89	---	PASS
			30~1000	2.89	-60.08	≤ -17.11	PASS
			1000~26500	2.89	-47.18	≤ -17.11	PASS
11N40SISO	Ant1	2422	Reference	-1.96	-1.96	---	PASS
			30~1000	-1.96	-60.32	≤ -21.96	PASS
			1000~26500	-1.96	-46.61	≤ -21.96	PASS
		2437	Reference	-0.04	-0.04	---	PASS
			30~1000	-0.04	-59.6	≤ -20.04	PASS
			1000~26500	-0.04	-47.09	≤ -20.04	PASS
		2452	Reference	-2.88	-2.88	---	PASS
			30~1000	-2.88	-60.13	≤ -22.88	PASS
			1000~26500	-2.88	-47.72	≤ -22.88	PASS

Test Graphs

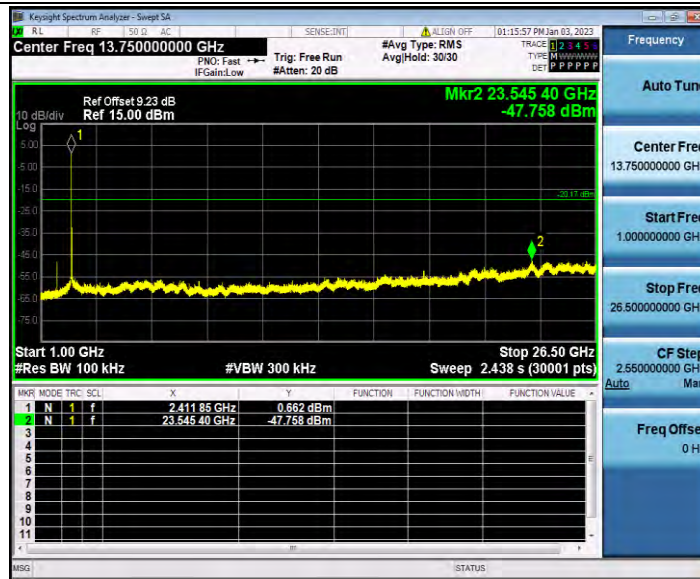
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



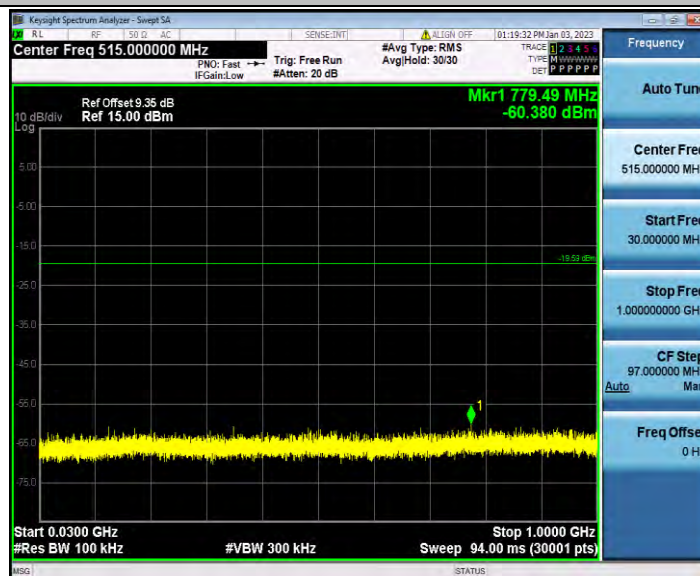
11B_Ant1_2412_1000~26500



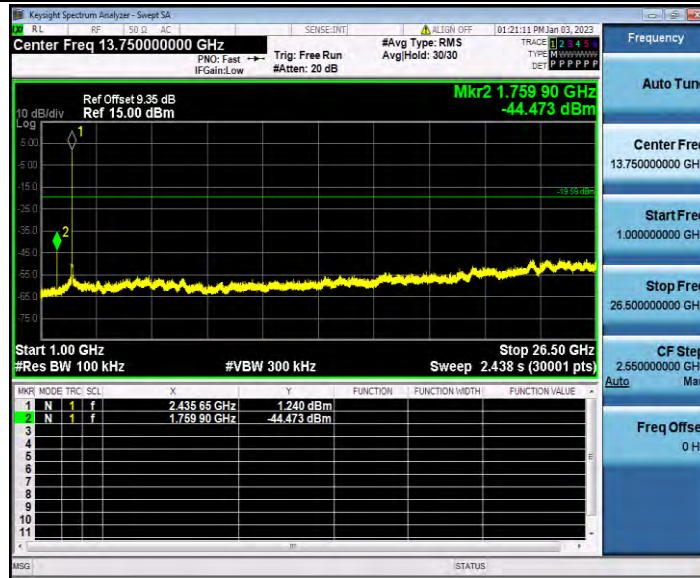
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



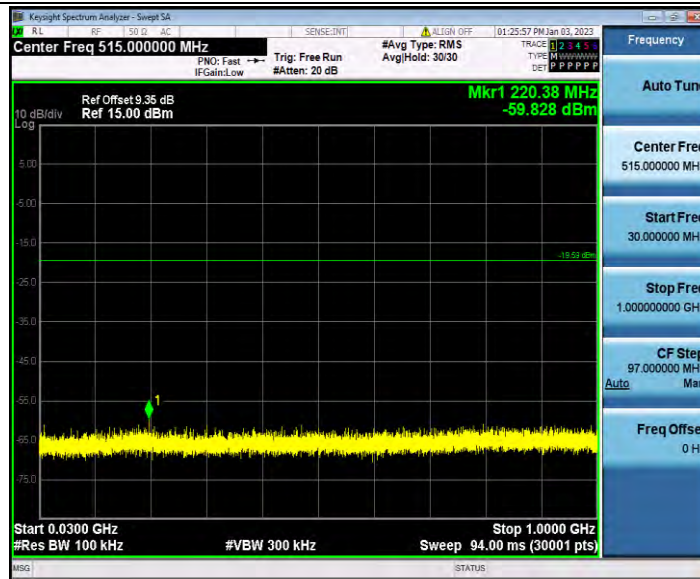
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



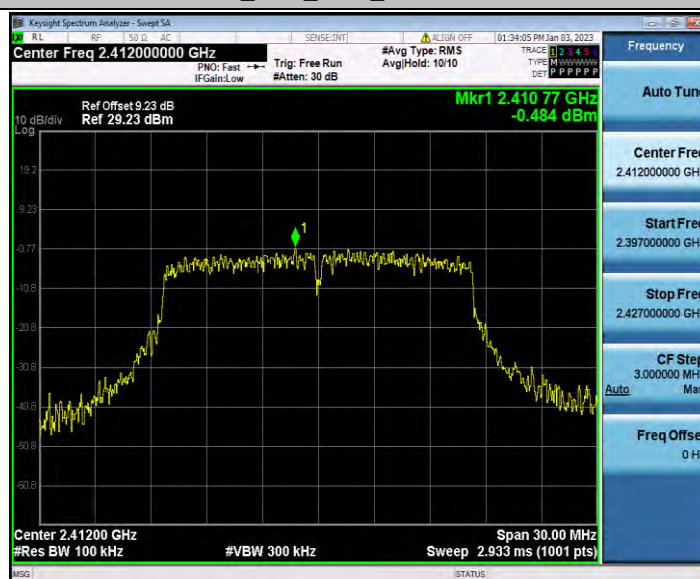
11B_Ant1_2462_30~1000



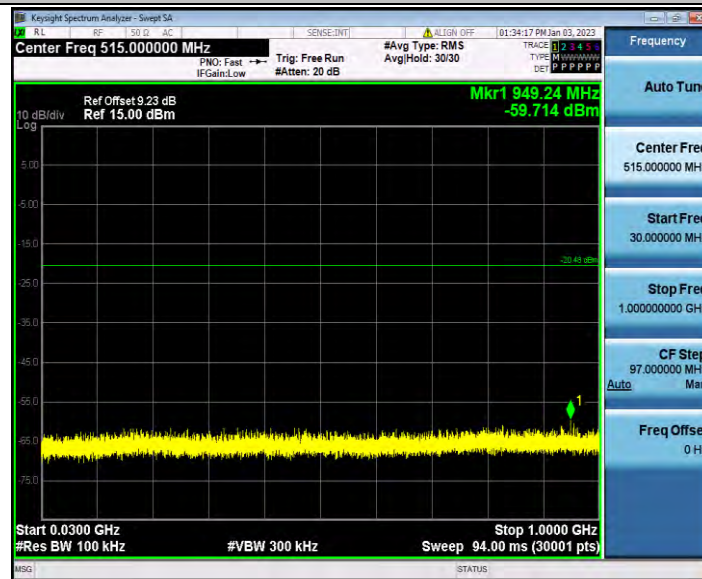
11B_Ant1_2462_1000~26500



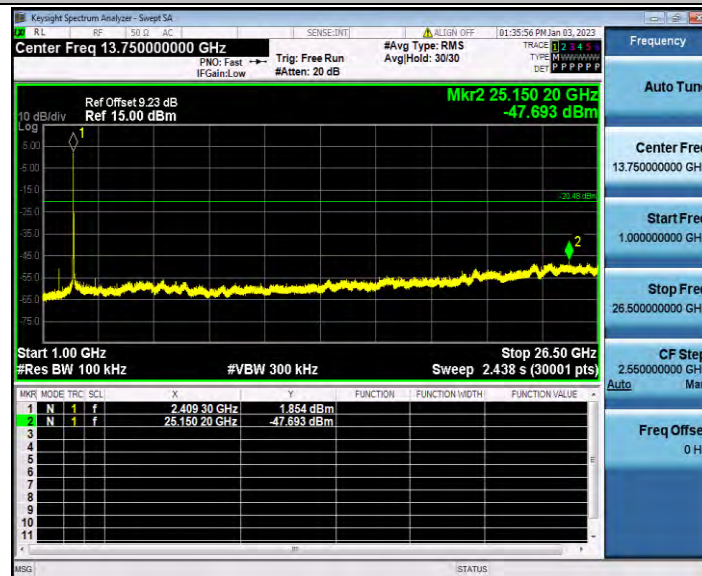
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



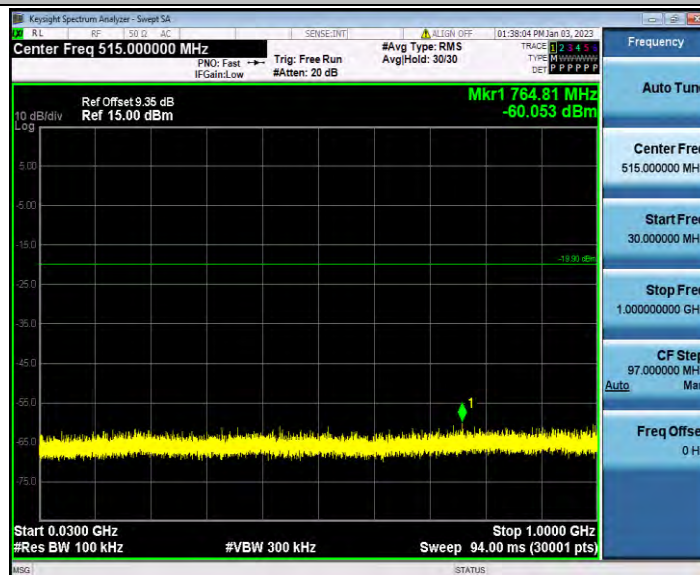
11G_Ant1_2412_1000~26500



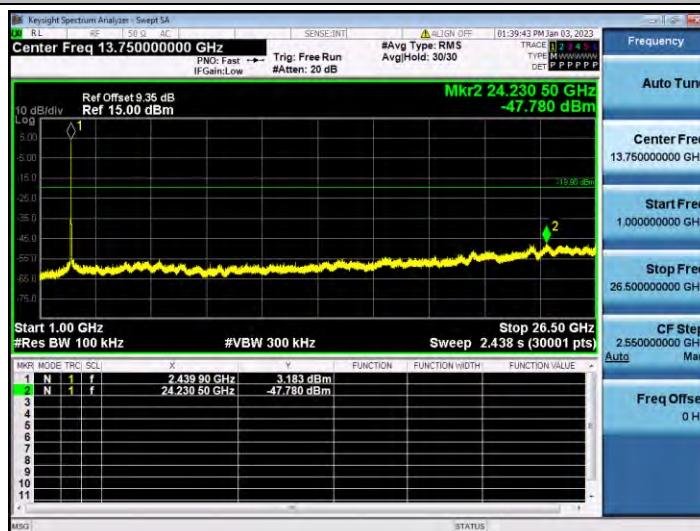
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



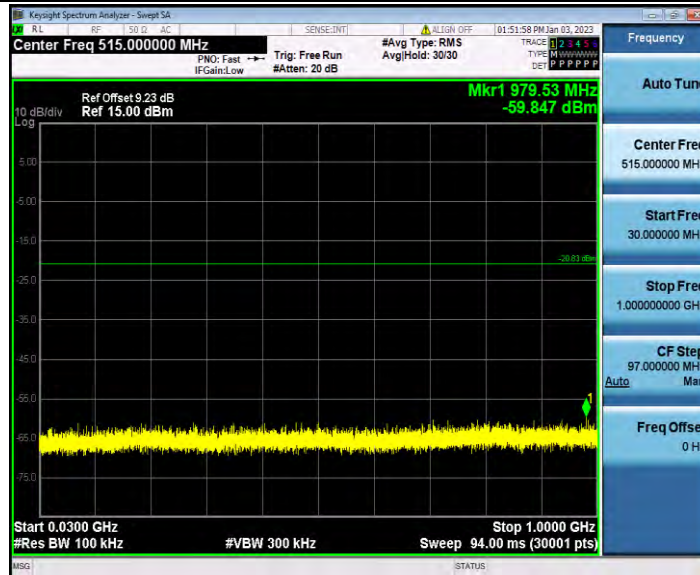
11G_Ant1_2462_1000~26500



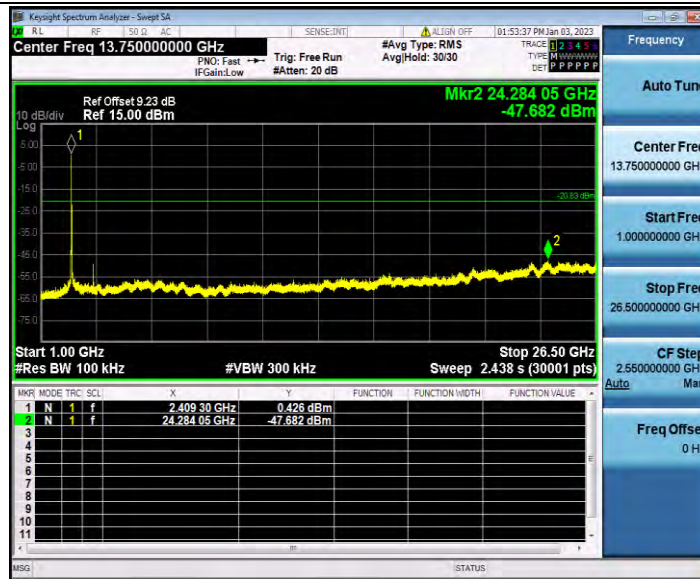
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



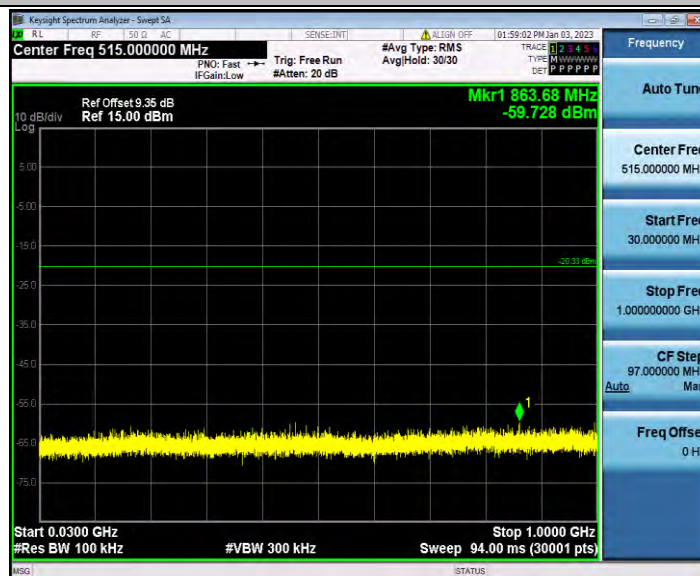
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



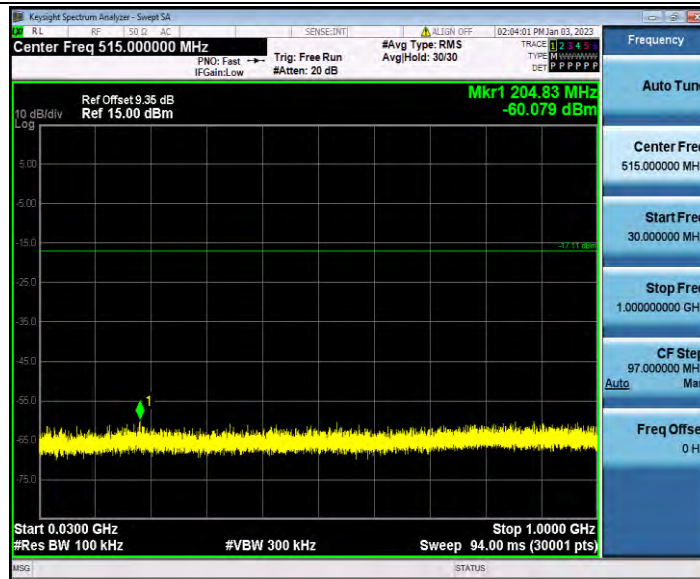
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



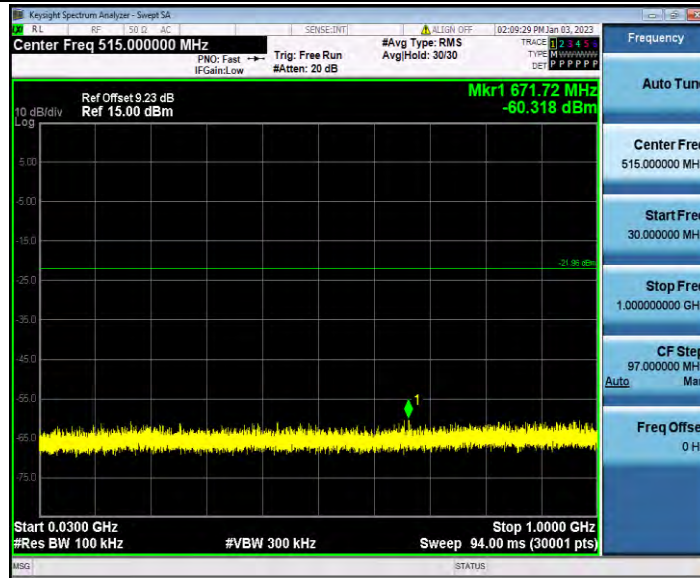
11N20SISO_Ant1_2462_1000~26500



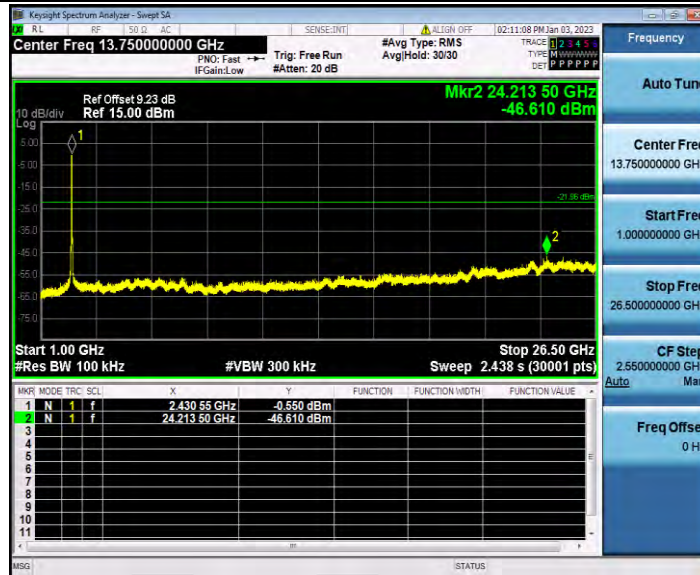
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



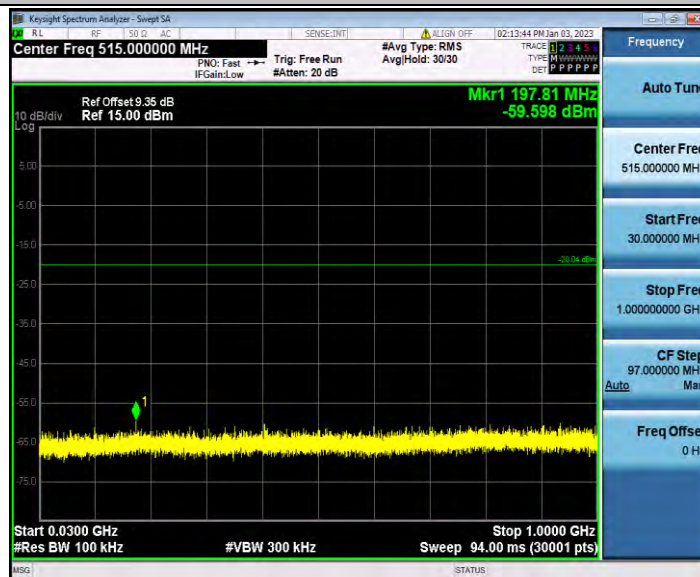
11N40SISO_Ant1_2422_1000~26500



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

