

Case No. : GTS20230105011-1-25
Ambient Condition: 24 °C, 50 %RH, Atmos100.1Kpa,
Test Date: 2023.3.6 Test Engineer: Jenny zeng

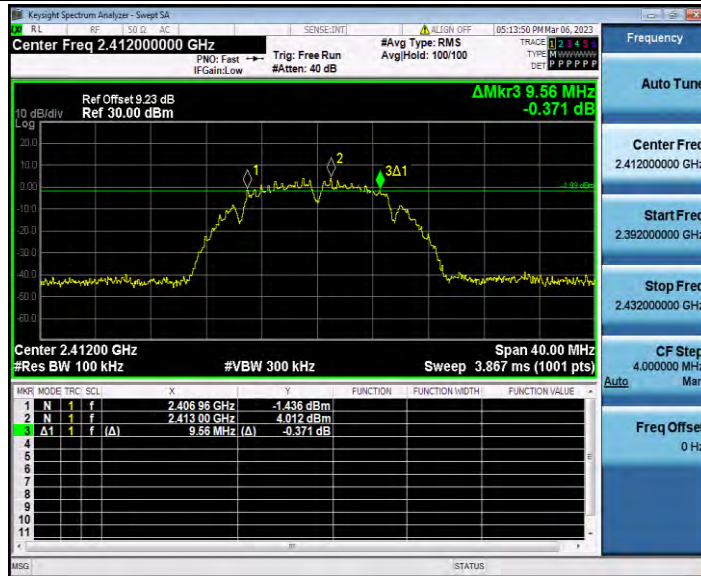
Appendix C.1: DTS Bandwidth

Test Result

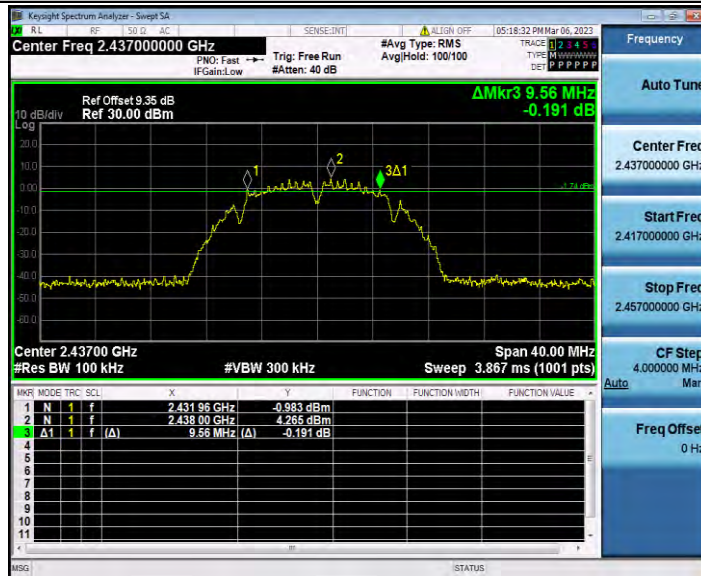
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	9.560	2406.960	2416.520	0.5	PASS
		2437	9.560	2431.960	2441.520	0.5	PASS
		2462	9.120	2457.440	2466.560	0.5	PASS
11G	Ant2	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	14.480	2454.400	2468.880	0.5	PASS
11N20SISO	Ant2	2412	15.080	2404.440	2419.520	0.5	PASS
		2437	11.720	2430.680	2442.400	0.5	PASS
		2462	14.400	2454.080	2468.480	0.5	PASS
11N40SISO	Ant2	2422	35.120	2404.400	2439.520	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	34.960	2434.480	2469.440	0.5	PASS

Test Graphs

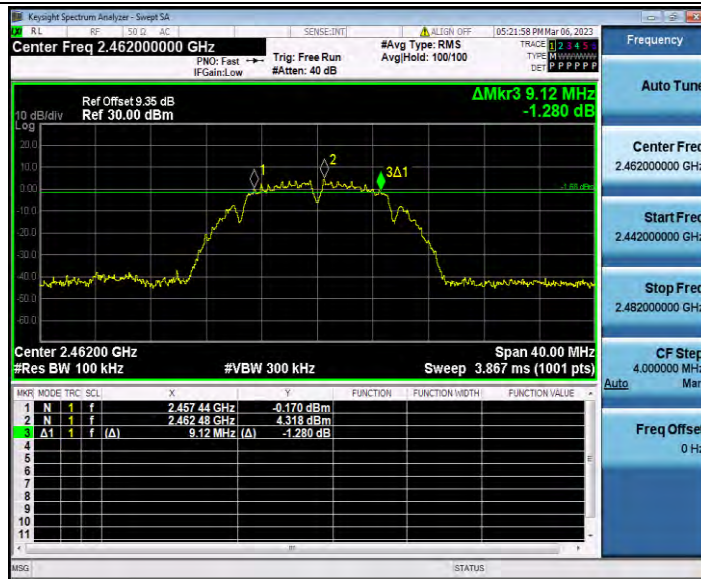
11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



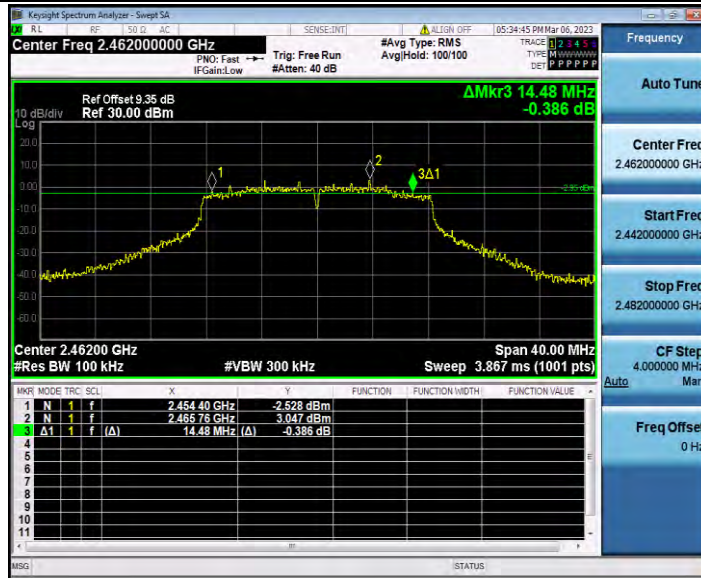
11G_Ant2_2412



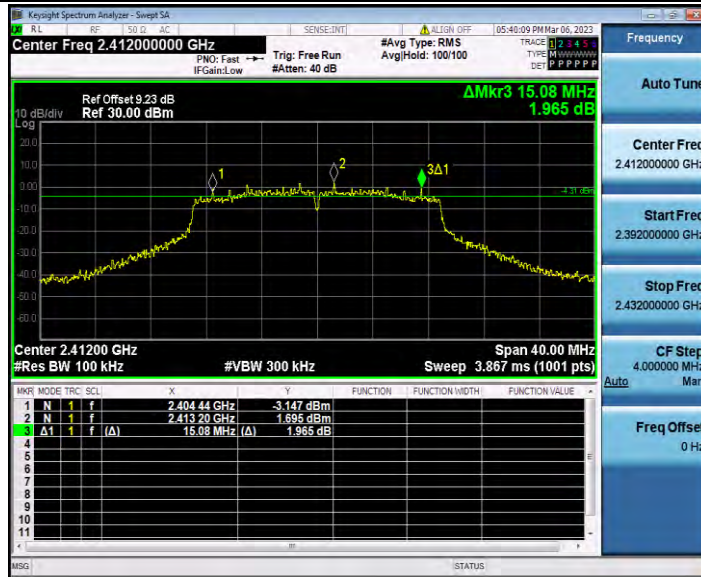
11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



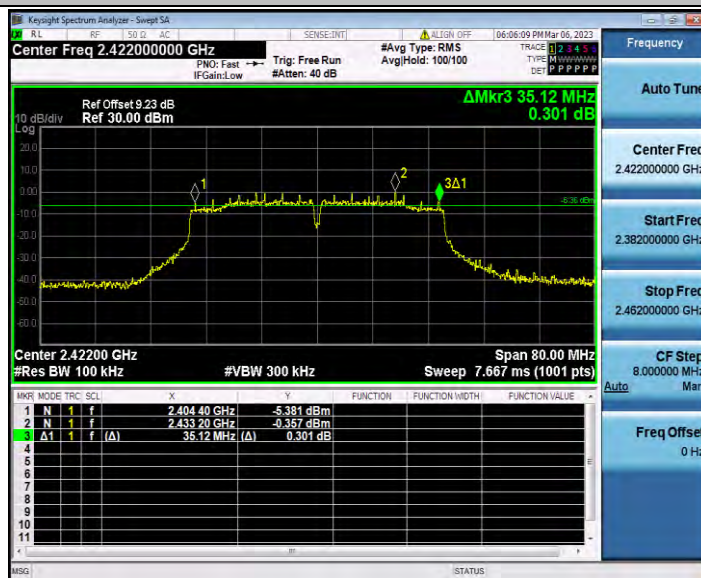
11N20SISO_Ant2_2437



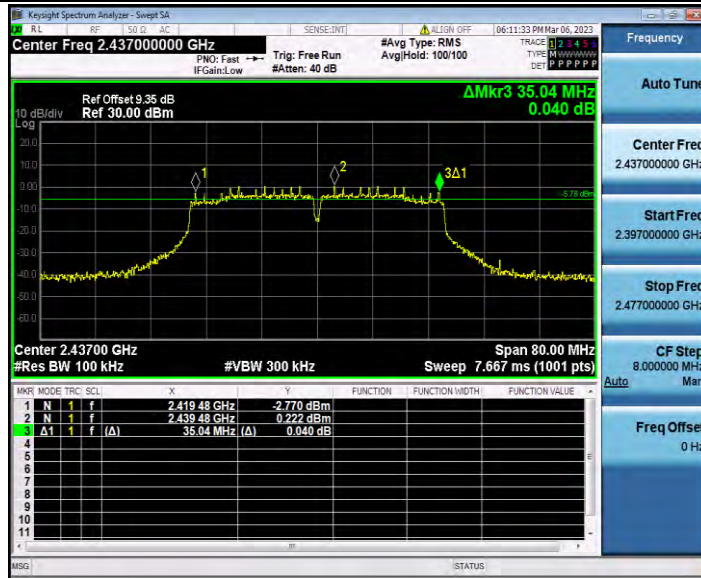
11N20SISO_Ant2_2462



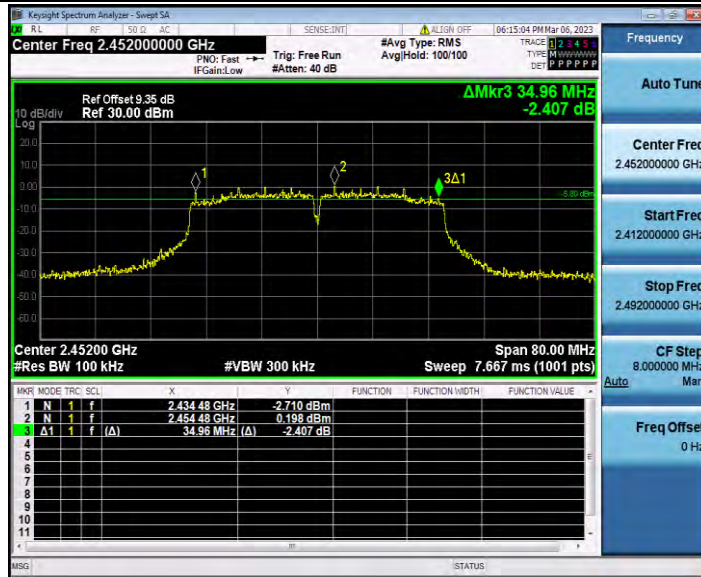
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix C.2: Occupied Channel Bandwidth

Test Result

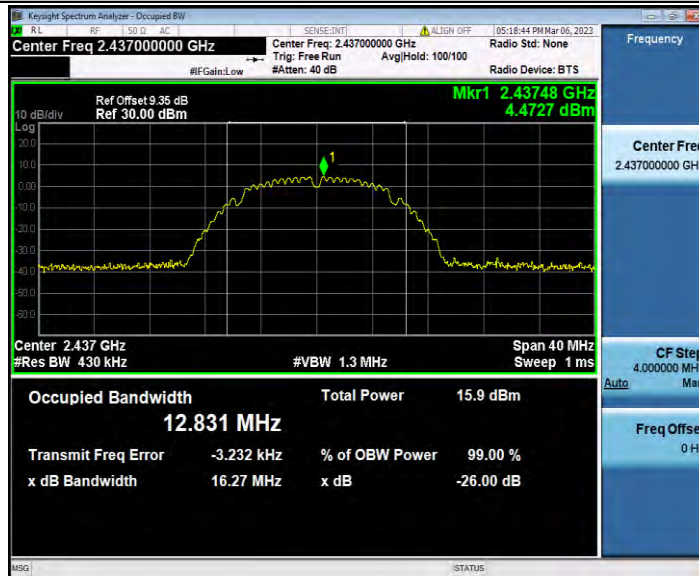
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.794	2405.623	2418.417	---	---
		2437	12.831	2430.581	2443.412	---	---
		2462	12.705	2455.616	2468.321	---	---
11G	Ant2	2412	16.773	2403.611	2420.384	---	---
		2437	16.849	2428.579	2445.428	---	---
		2462	16.756	2453.586	2470.342	---	---
11N20SISO	Ant2	2412	17.917	2403.013	2420.930	---	---
		2437	17.966	2427.997	2445.963	---	---
		2462	17.895	2453.033	2470.928	---	---
11N40SISO	Ant2	2422	36.186	2403.939	2440.125	---	---
		2437	36.284	2418.803	2455.087	---	---
		2452	36.117	2433.940	2470.057	---	---

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



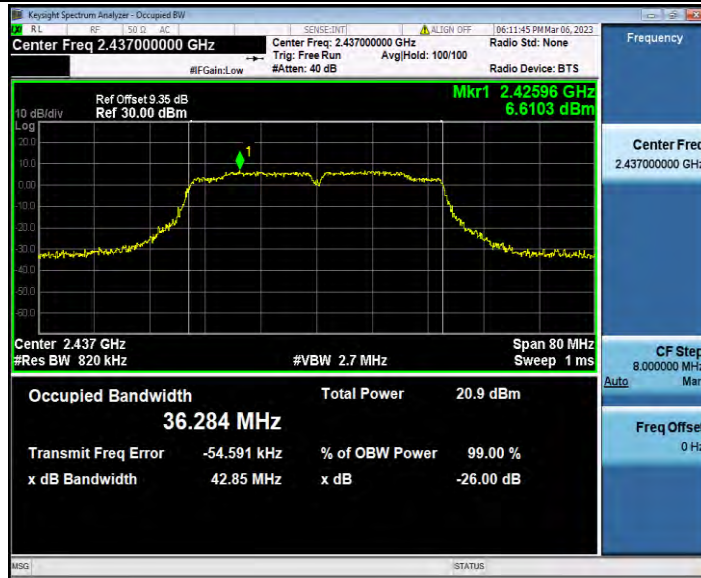
11N20SISO_Ant2_2462



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	15.68	≤30.00	PASS
		2437	15.95	≤30.00	PASS
		2462	16.92	≤30.00	PASS
11G	Ant2	2412	19.68	≤30.00	PASS
		2437	20.06	≤30.00	PASS
		2462	20.88	≤30.00	PASS
11N20SISO	Ant2	2412	19.59	≤30.00	PASS
		2437	19.91	≤30.00	PASS
		2462	20.94	≤30.00	PASS
11N40SISO	Ant2	2422	20.94	≤30.00	PASS
		2437	21.21	≤30.00	PASS
		2452	21.46	≤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	-9.78	≤8.00	PASS
		2437	-9.11	≤8.00	PASS
		2462	-8.4	≤8.00	PASS
11G	Ant2	2412	-12.74	≤8.00	PASS
		2437	-12.01	≤8.00	PASS
		2462	-12.13	≤8.00	PASS
11N20SISO	Ant2	2412	-11.37	≤8.00	PASS
		2437	-10.85	≤8.00	PASS
		2462	-10.58	≤8.00	PASS
11N40SISO	Ant2	2422	-13.73	≤8.00	PASS
		2437	-14.02	≤8.00	PASS
		2452	-13.67	≤8.00	PASS

Test Graphs

11B_Ant2_2412



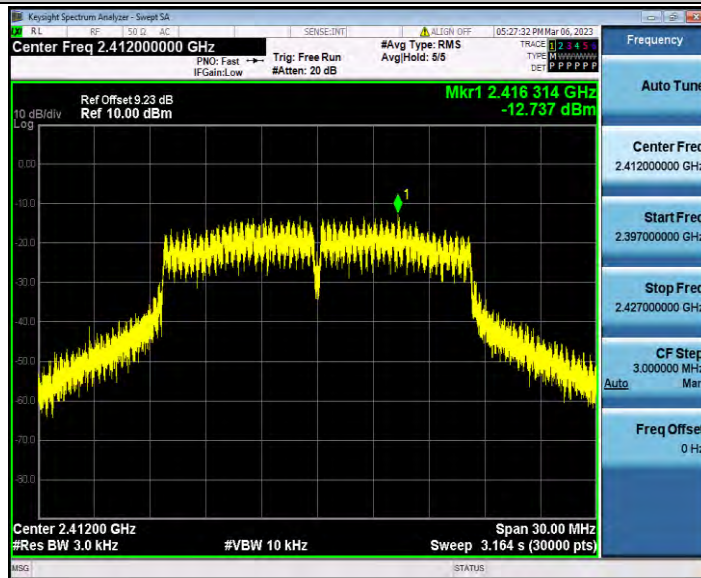
11B_Ant2_2437



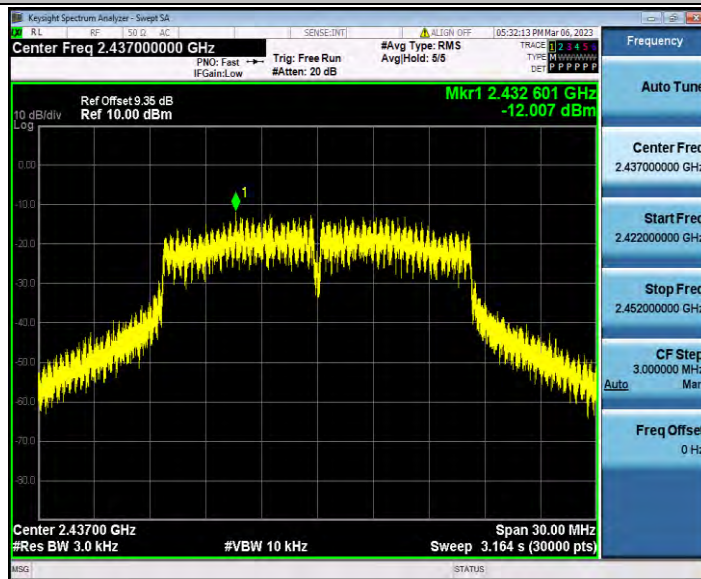
11B_Ant2_2462



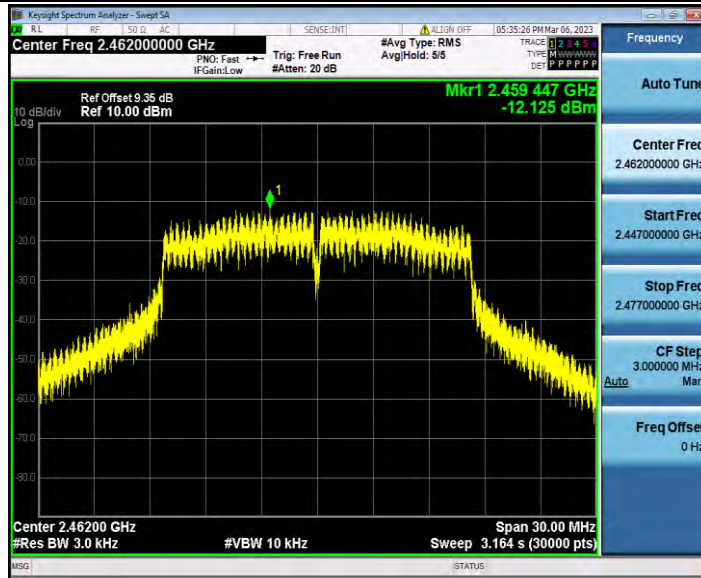
11G_Ant2_2412



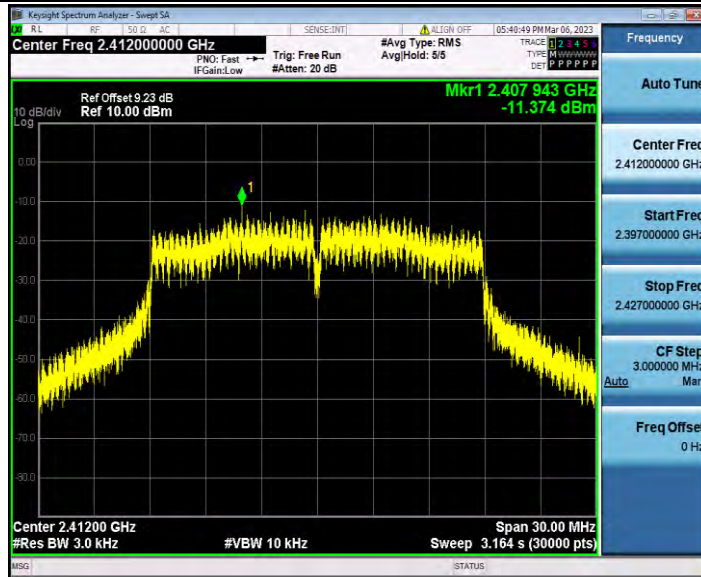
11G_Ant2_2437



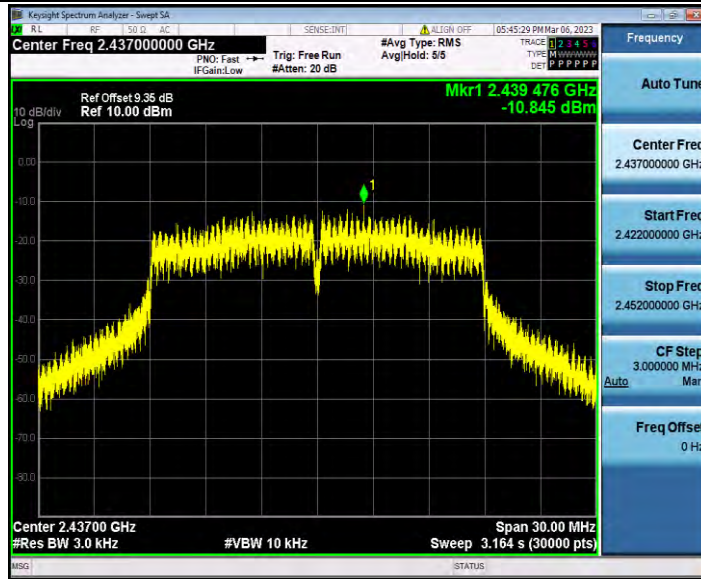
11G_Ant2_2462



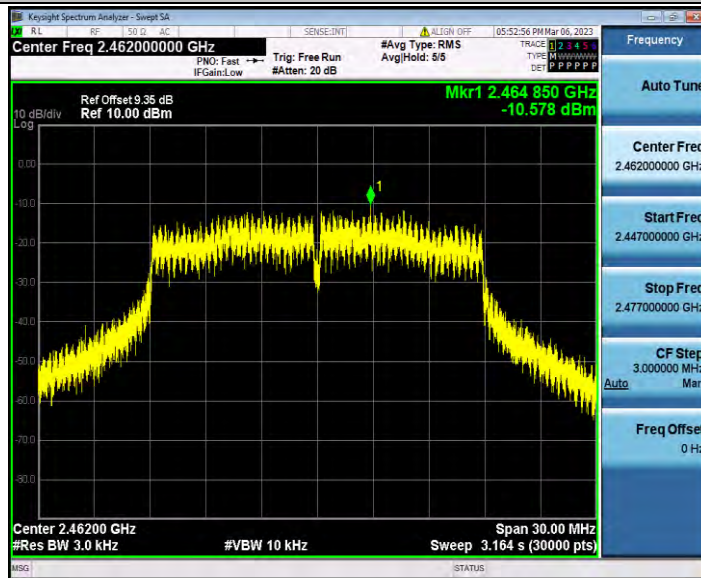
11N20SISO_Ant2_2412



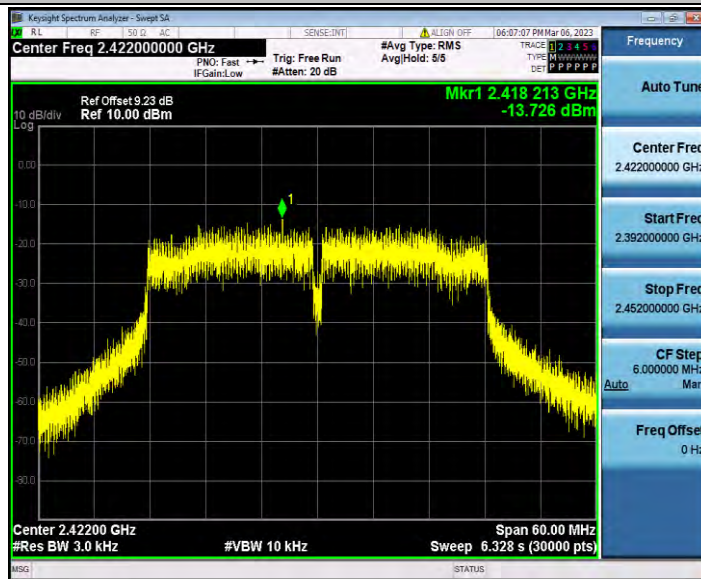
11N20SISO_Ant2_2437



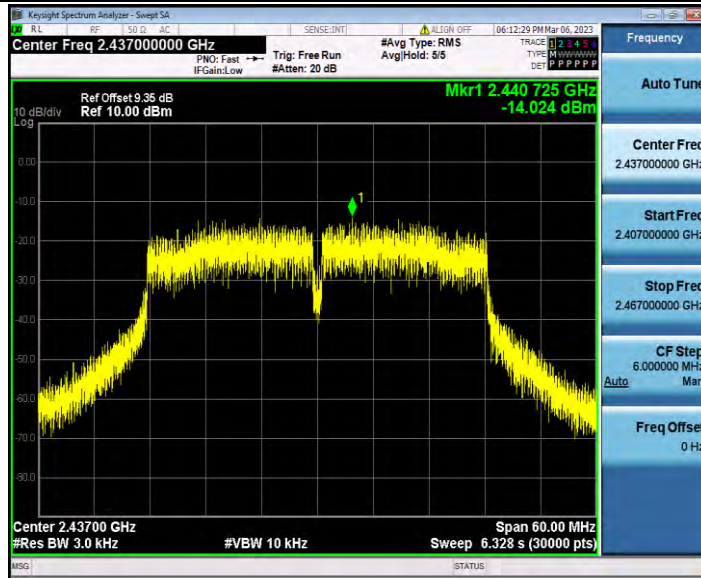
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



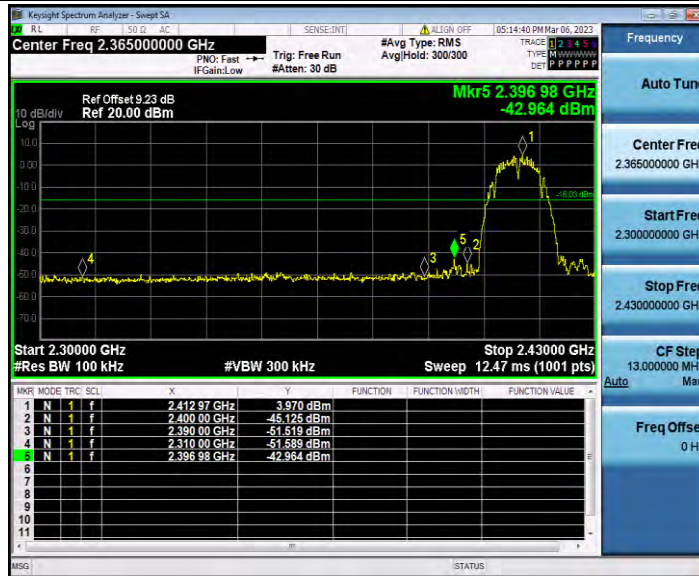
Appendix C.5: Band edge measurements

Test Result

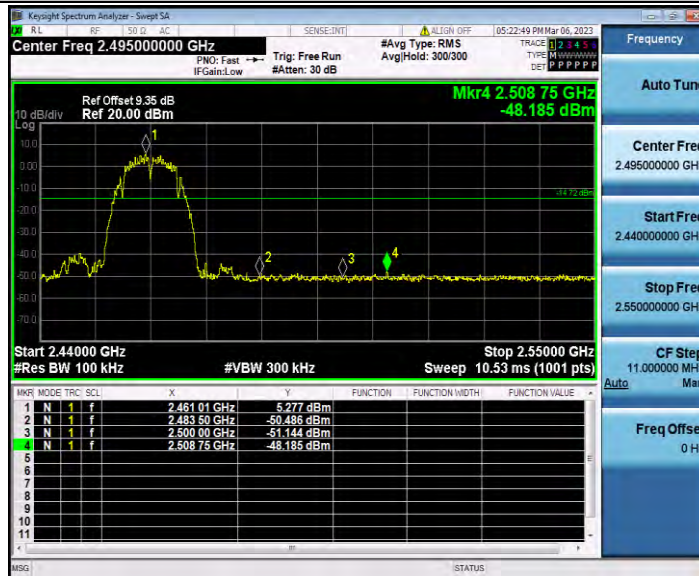
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	3.97	-42.96	≤-16.03	PASS
		High	2462	5.28	-48.19	≤-14.72	PASS
11G	Ant2	Low	2412	2.12	-27.31	≤-17.88	PASS
		High	2462	3.73	-46.27	≤-16.27	PASS
11N20SISO	Ant2	Low	2412	1.83	-27.61	≤-18.17	PASS
		High	2462	3.87	-45.31	≤-16.13	PASS
11N40SISO	Ant2	Low	2422	0.59	-30.2	≤-19.42	PASS
		High	2452	1.00	-38.52	≤-19	PASS

Test Graphs

11B_Ant2_Low_2412



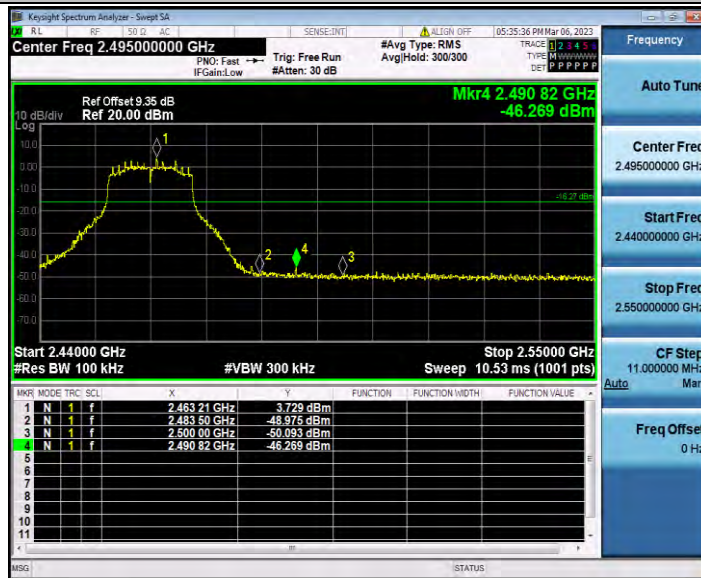
11B_Ant2_High_2462



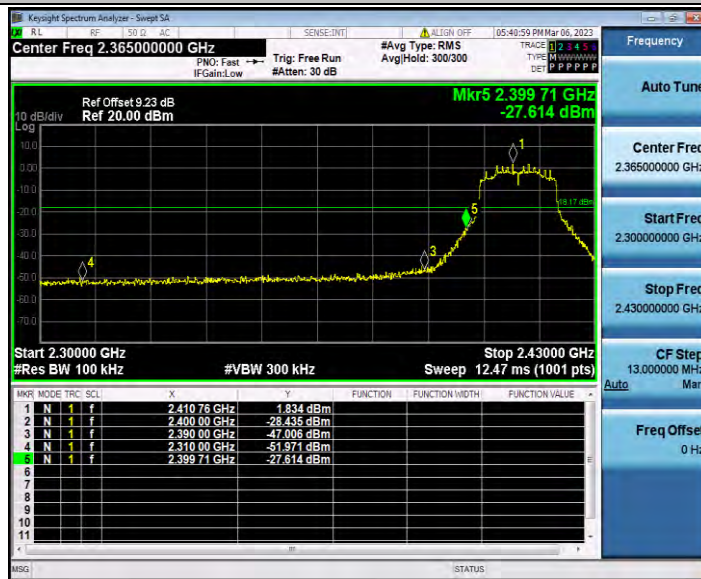
11G_Ant2_Low_2412



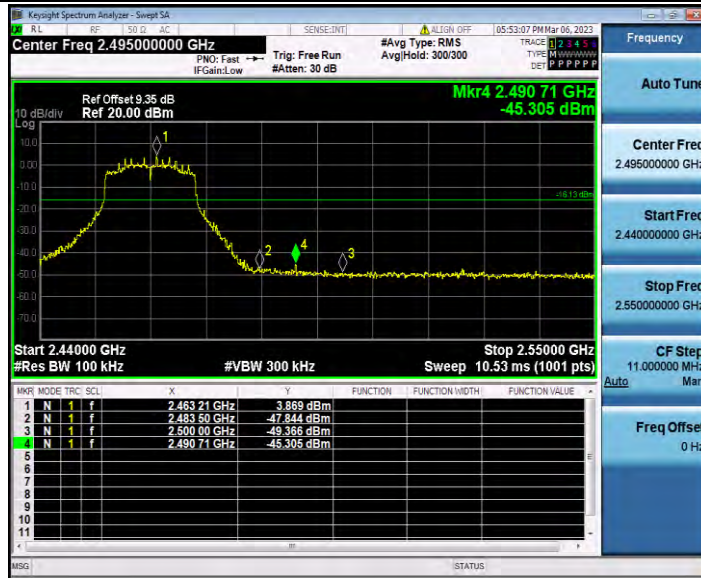
11G_Ant2_High_2462



11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

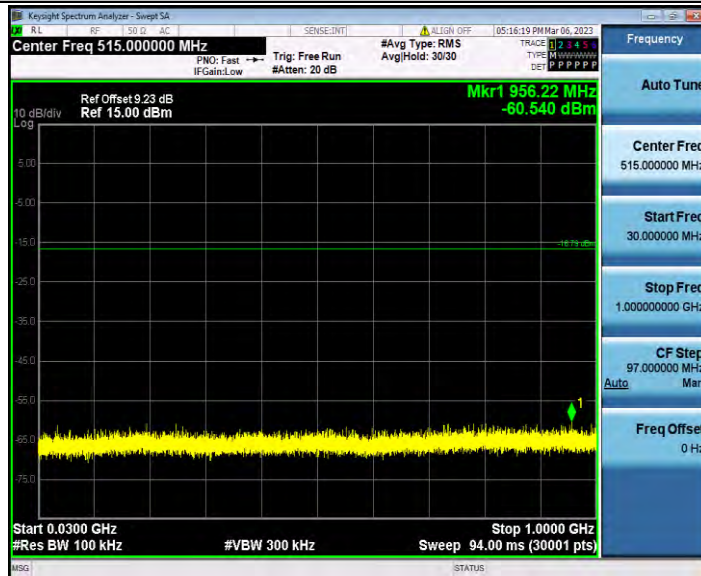
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	3.21	3.21	---	PASS
			30~1000	3.21	-60.54	≤-16.79	PASS
			1000~26500	3.21	-47.34	≤-16.79	PASS
		2437	Reference	2.97	2.97	---	PASS
			30~1000	2.97	-60.59	≤-17.03	PASS
			1000~26500	2.97	-47.46	≤-17.03	PASS
		2462	Reference	3.56	3.56	---	PASS
			30~1000	3.56	-60.44	≤-16.44	PASS
			1000~26500	3.56	-42.85	≤-16.44	PASS
11G	Ant2	2412	Reference	-1.23	-1.23	---	PASS
			30~1000	-1.23	-61	≤-21.23	PASS
			1000~26500	-1.23	-47.27	≤-21.23	PASS
		2437	Reference	-1.21	-1.21	---	PASS
			30~1000	-1.21	-60.1	≤-21.21	PASS
			1000~26500	-1.21	-47.45	≤-21.21	PASS
		2462	Reference	-0.07	-0.07	---	PASS
			30~1000	-0.07	-60.33	≤-20.07	PASS
			1000~26500	-0.07	-47.83	≤-20.07	PASS
11N20SISO	Ant2	2412	Reference	-0.63	-0.63	---	PASS
			30~1000	-0.63	-58.61	≤-20.63	PASS
			1000~26500	-0.63	-47.36	≤-20.63	PASS
		2437	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-60.28	≤-18.25	PASS
			1000~26500	1.75	-47.1	≤-18.25	PASS
		2462	Reference	2.81	2.81	---	PASS
			30~1000	2.81	-60.36	≤-17.19	PASS
			1000~26500	2.81	-46.55	≤-17.19	PASS
11N40SISO	Ant2	2422	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-60.45	≤-20.26	PASS
			1000~26500	-0.26	-47.38	≤-20.26	PASS
		2437	Reference	0.44	0.44	---	PASS
			30~1000	0.44	-56.78	≤-19.56	PASS
			1000~26500	0.44	-47.6	≤-19.56	PASS
		2452	Reference	0.47	0.47	---	PASS
			30~1000	0.47	-59.88	≤-19.53	PASS
			1000~26500	0.47	-46.38	≤-19.53	PASS

Test Graphs

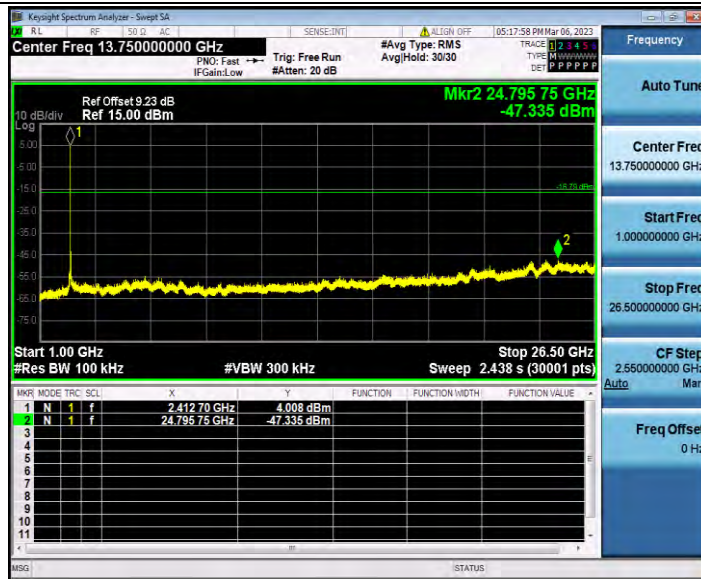
11B_Ant2_2412_0~Reference



11B_Ant2_2412_30~1000



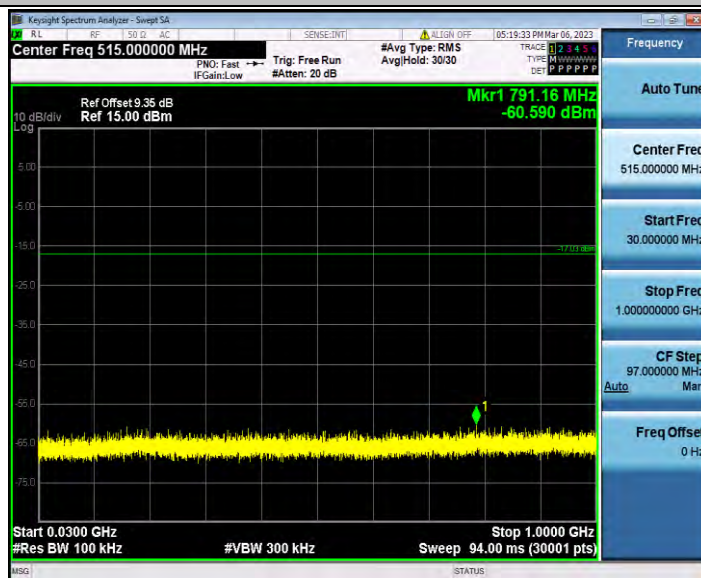
11B_Ant2_2412_1000~26500



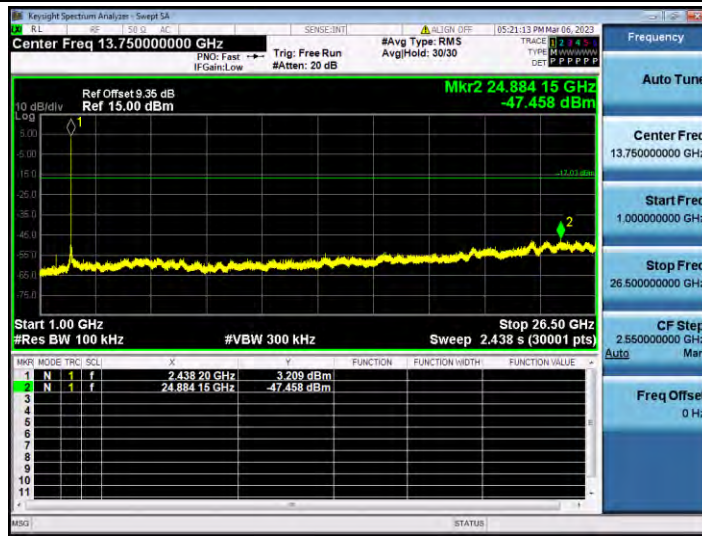
11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



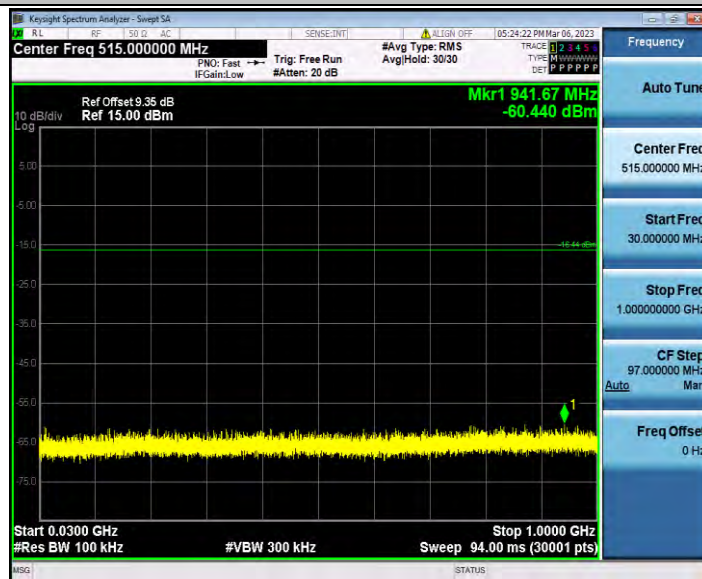
11B_Ant2_2437_1000~26500



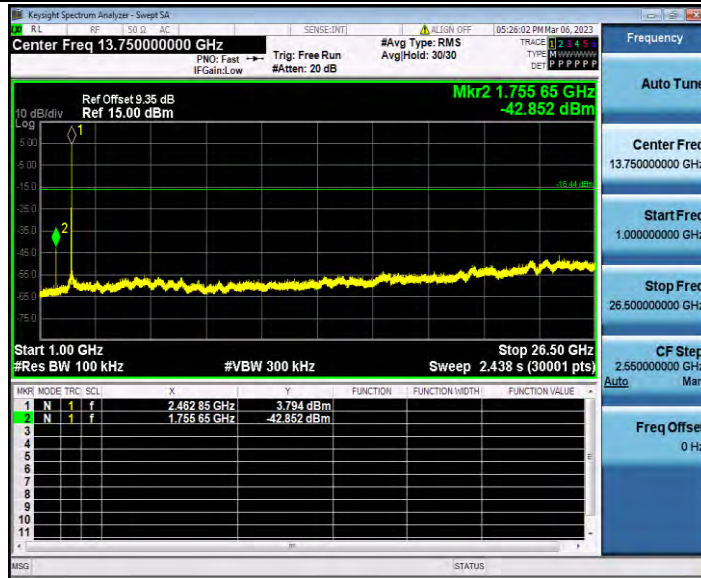
11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000



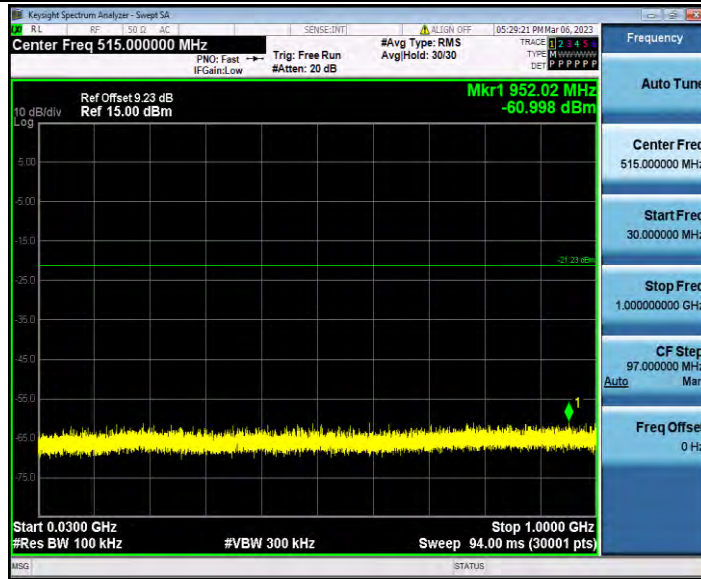
11B_Ant2_2462_1000~26500



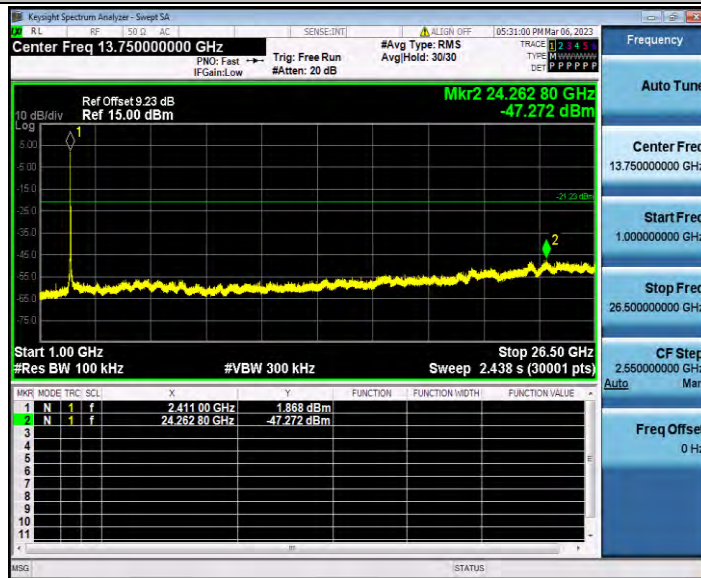
11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



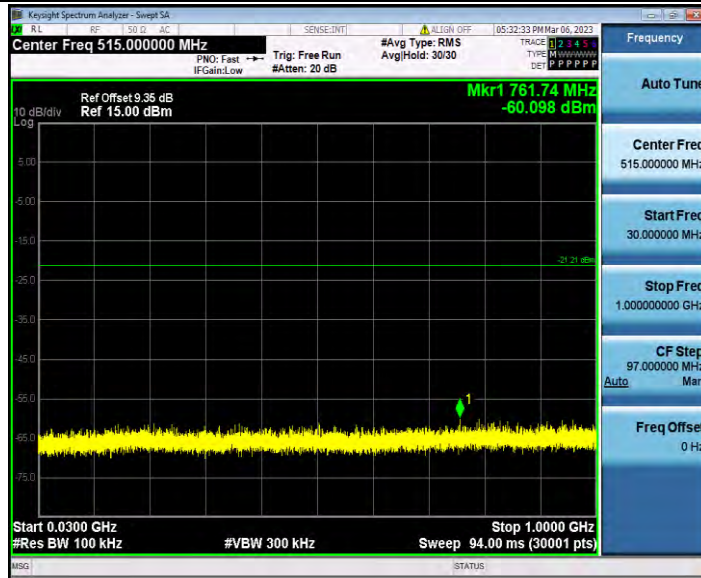
11G_Ant2_2412_1000~26500



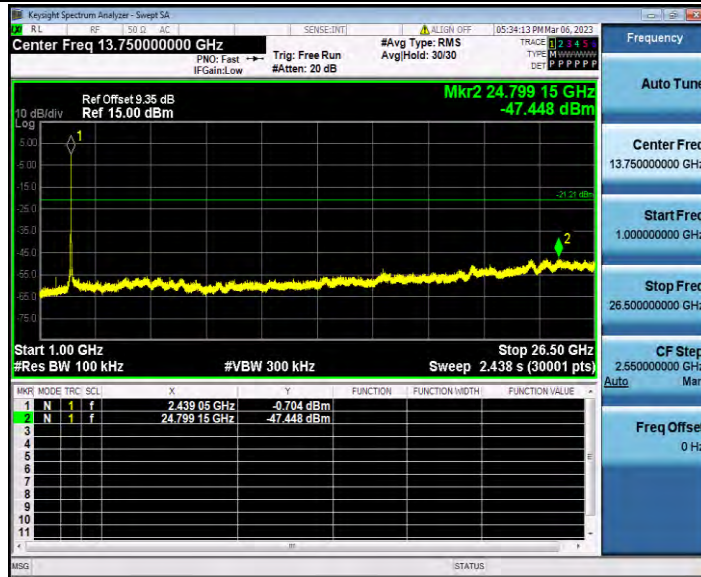
11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000



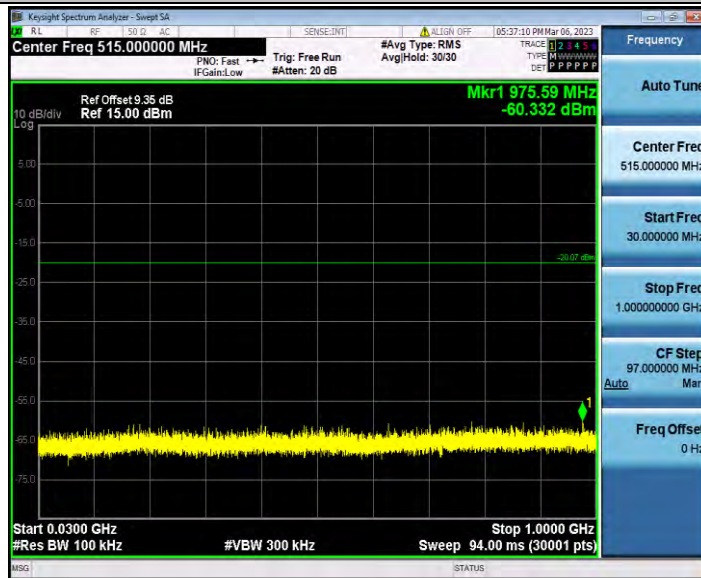
11G_Ant2_2437_1000~26500



11G_Ant2_2462_0~Reference



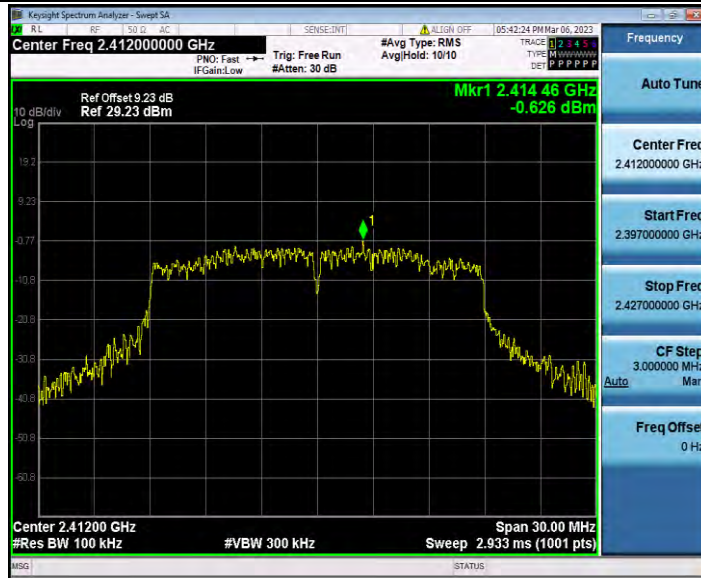
11G_Ant2_2462_30~1000



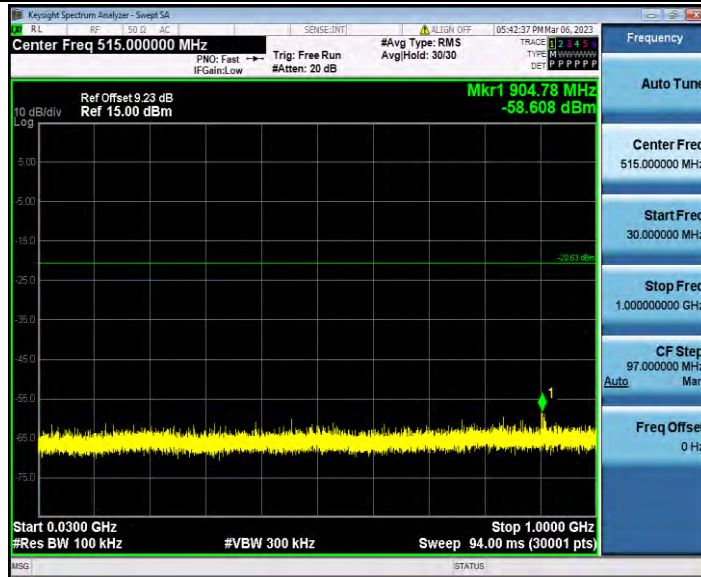
11G_Ant2_2462_1000~26500



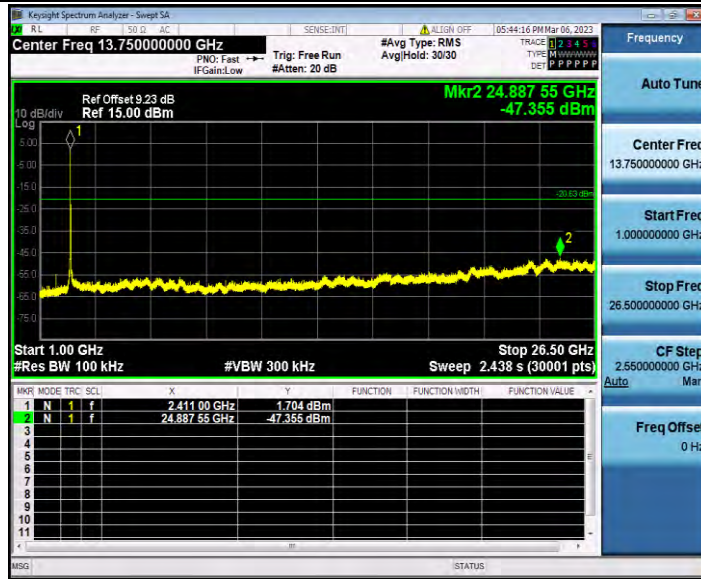
11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



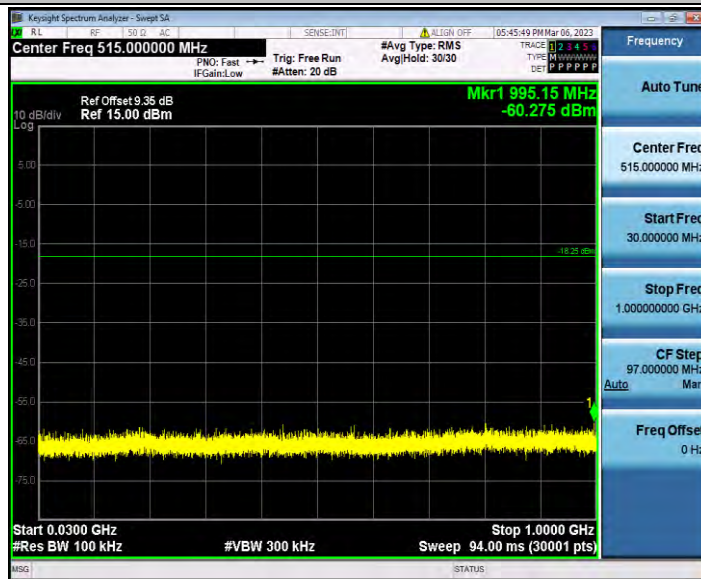
11N20SISO_Ant2_2412_1000~26500



11N20SISO_Ant2_2437_0~Reference



11N20SISO_Ant2_2437_30~1000



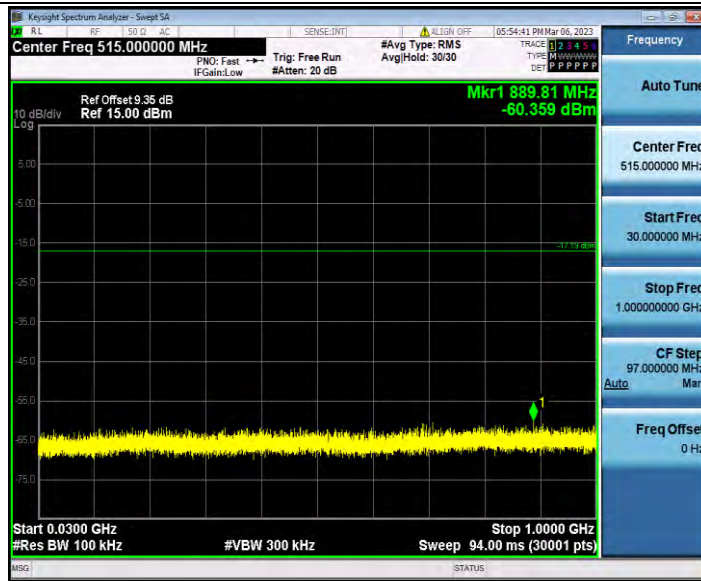
11N20SISO_Ant2_2437_1000~26500



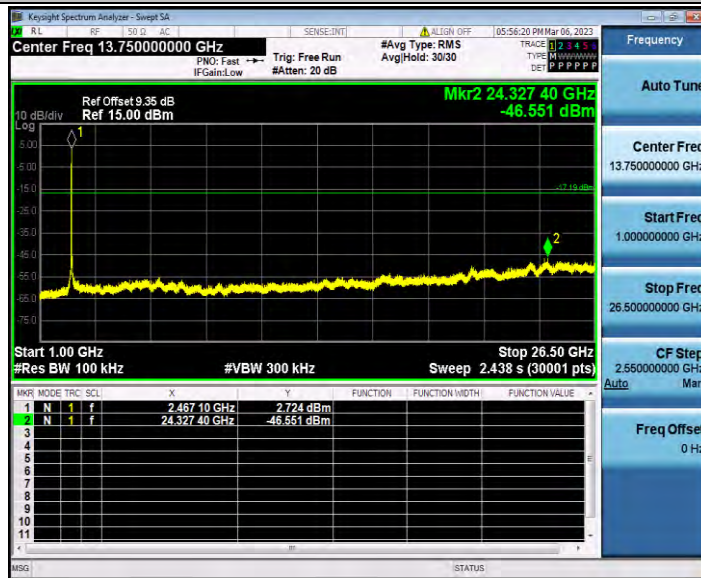
11N20SISO_Ant2_2462_0~Reference



11N20SISO_Ant2_2462_30~1000



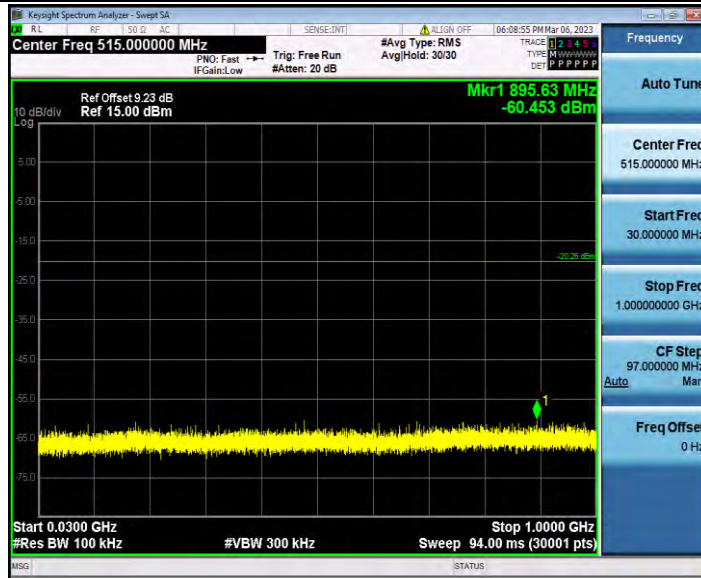
11N20SISO_Ant2_2462_1000~26500



11N40SISO_Ant2_2422_0~Reference



11N40SISO_Ant2_2422_30~1000



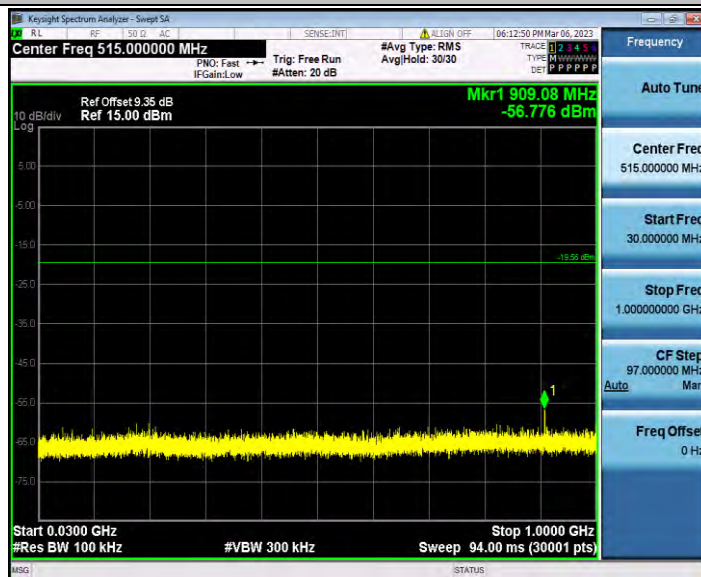
11N40SISO_Ant2_2422_1000~26500



11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



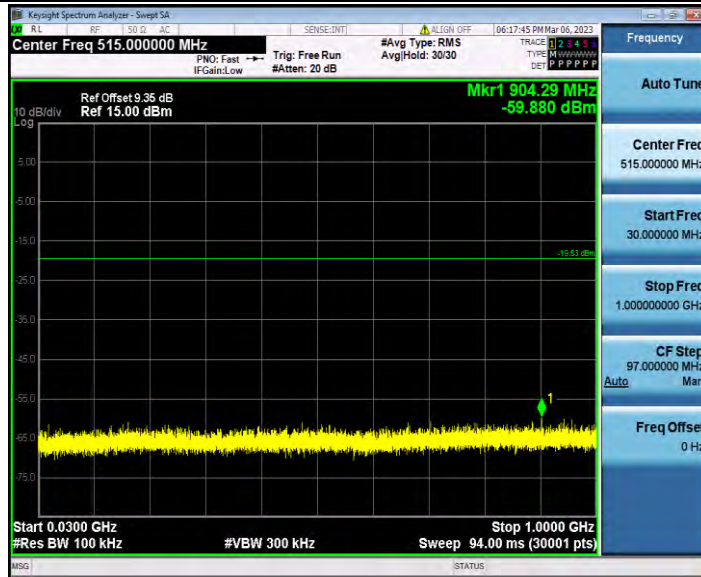
11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000



11N40SISO_Ant2_2452_1000~26500

