

Case No. : <u>GTS20230105011-1-25</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.3.4</u> Test Engineer: <u>Jenny zeng</u>

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.560	2407.440	2417.000	0.5	PASS
		2437	9.560	2432.440	2442.000	0.5	PASS
		2462	9.560	2457.440	2467.000	0.5	PASS
11G	Ant1	2412	13.880	2405.680	2419.560	0.5	PASS
		2437	15.040	2429.480	2444.520	0.5	PASS
		2462	15.040	2454.480	2469.520	0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.600	2419.720	0.5	PASS
		2437	13.880	2430.680	2444.560	0.5	PASS
		2462	13.800	2455.680	2469.480	0.5	PASS
11N40SISO	Ant1	2422	33.840	2405.680	2439.520	0.5	PASS
		2437	32.560	2420.760	2453.320	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



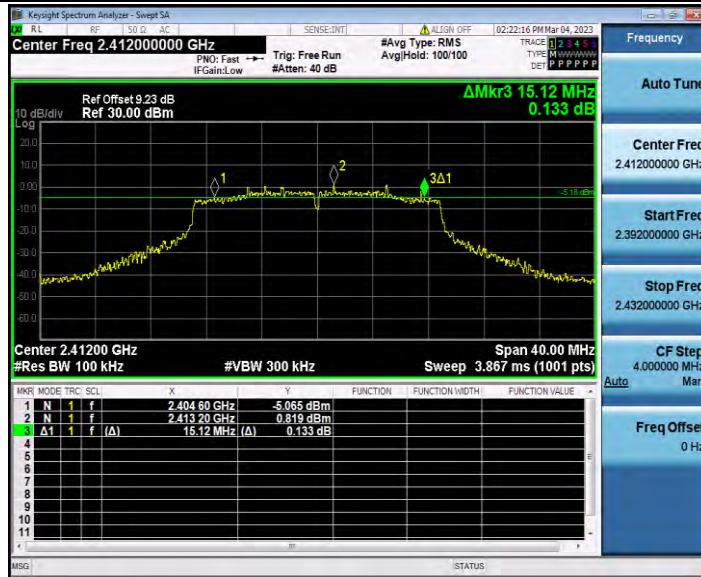
11G_Ant1_2437



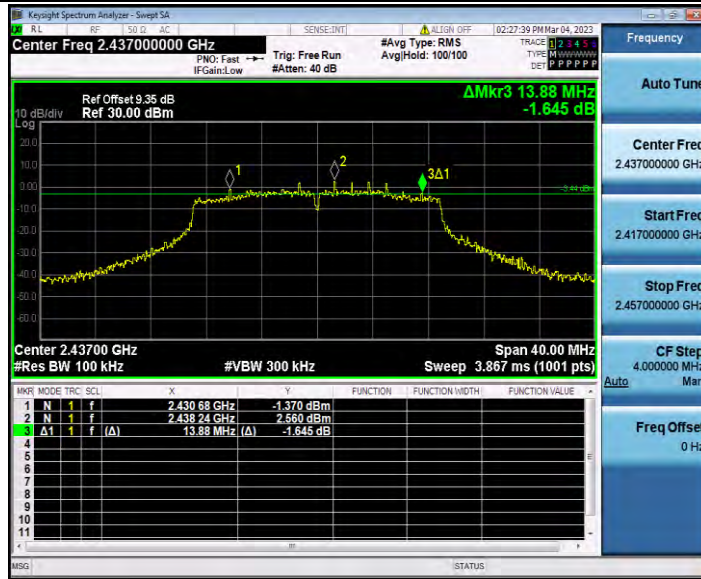
11G_Ant1_2462



11N20SISO_Ant1_2412



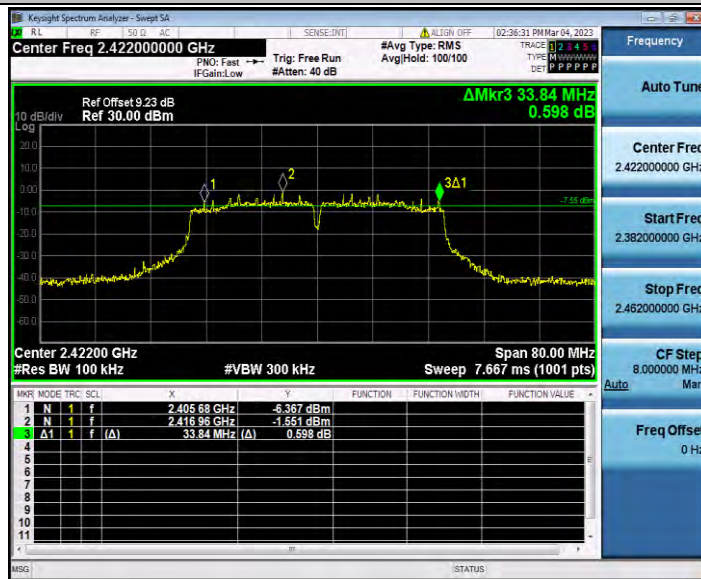
11N20SISO_Ant1_2437



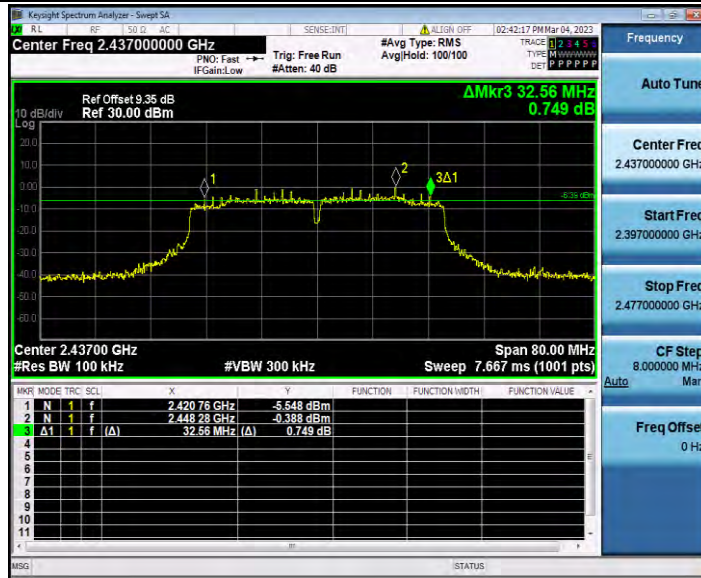
11N20SISO_Ant1_2462



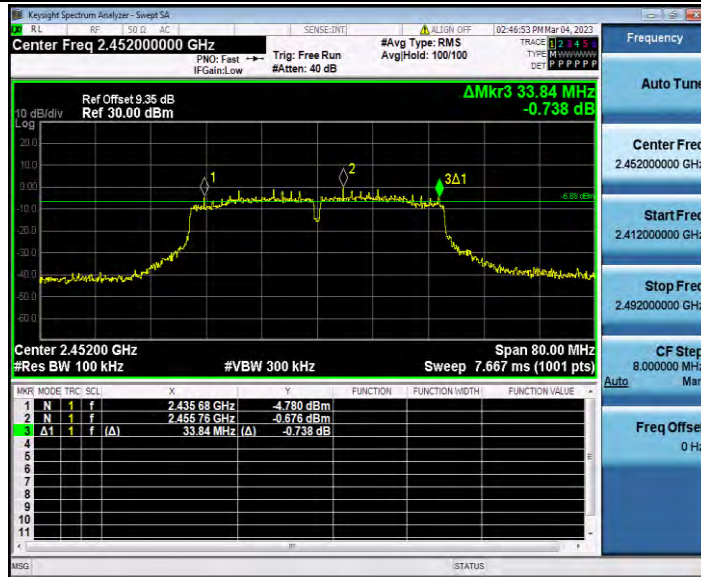
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.2: Occupied Channel Bandwidth

Test Result

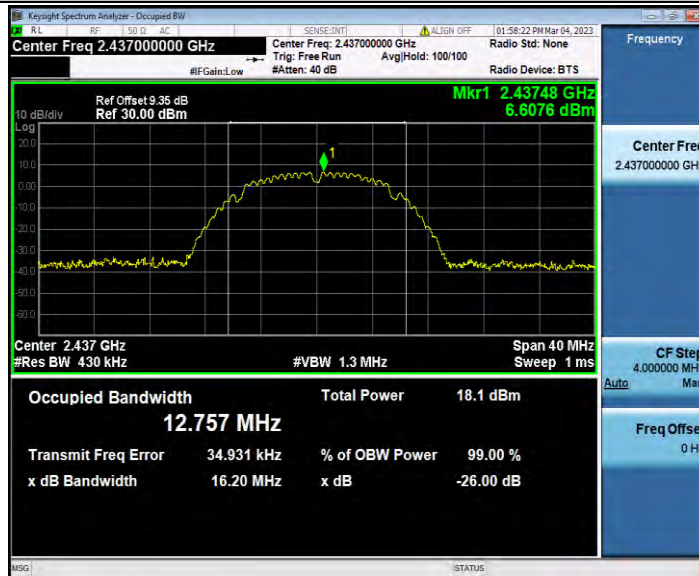
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.837	2405.561	2418.398	---	---
		2437	12.757	2430.656	2443.413	---	---
		2462	12.830	2455.626	2468.456	---	---
11G	Ant1	2412	16.837	2403.535	2420.372	---	---
		2437	16.846	2428.603	2445.449	---	---
		2462	16.861	2453.583	2470.444	---	---
11N20SISO	Ant1	2412	17.878	2403.042	2420.920	---	---
		2437	17.986	2428.029	2446.015	---	---
		2462	17.955	2453.086	2471.041	---	---
11N40SISO	Ant1	2422	36.253	2403.891	2440.144	---	---
		2437	36.232	2418.964	2455.196	---	---
		2452	36.046	2434.073	2470.119	---	---

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



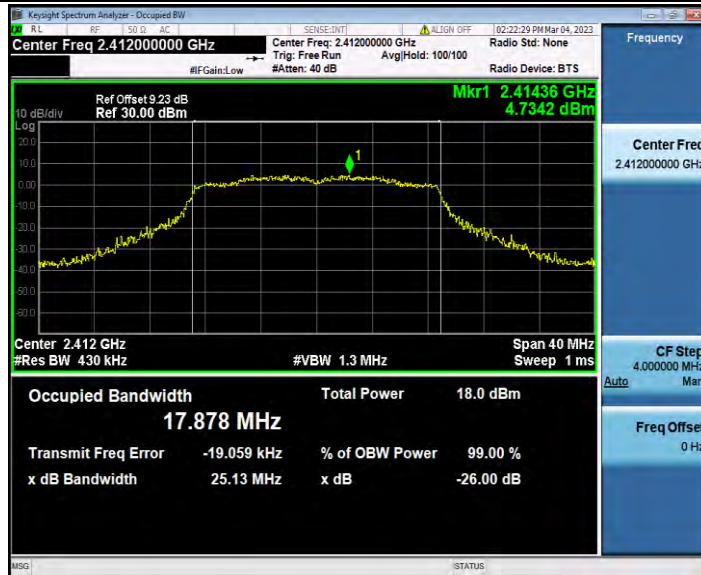
11G_Ant1_2437



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	18.28	≤30.00	PASS
		2437	18.10	≤30.00	PASS
		2462	18.70	≤30.00	PASS
11G	Ant1	2412	22.08	≤30.00	PASS
		2437	21.14	≤30.00	PASS
		2462	21.71	≤30.00	PASS
11N20SISO	Ant1	2412	19.17	≤30.00	PASS
		2437	19.49	≤30.00	PASS
		2462	20.05	≤30.00	PASS
11N40SISO	Ant1	2422	18.73	≤30.00	PASS
		2437	19.50	≤30.00	PASS
		2452	19.67	≤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	-7.63	≤8.00	PASS
		2437	-7.84	≤8.00	PASS
		2462	-7.93	≤8.00	PASS
11G	Ant1	2412	-9.72	≤8.00	PASS
		2437	-10.44	≤8.00	PASS
		2462	-9.93	≤8.00	PASS
11N20SISO	Ant1	2412	-13.44	≤8.00	PASS
		2437	-12.21	≤8.00	PASS
		2462	-11.37	≤8.00	PASS
11N40SISO	Ant1	2422	-16.96	≤8.00	PASS
		2437	-15.92	≤8.00	PASS
		2452	-15.73	≤8.00	PASS

Test Graphs

11B_Ant1_2412



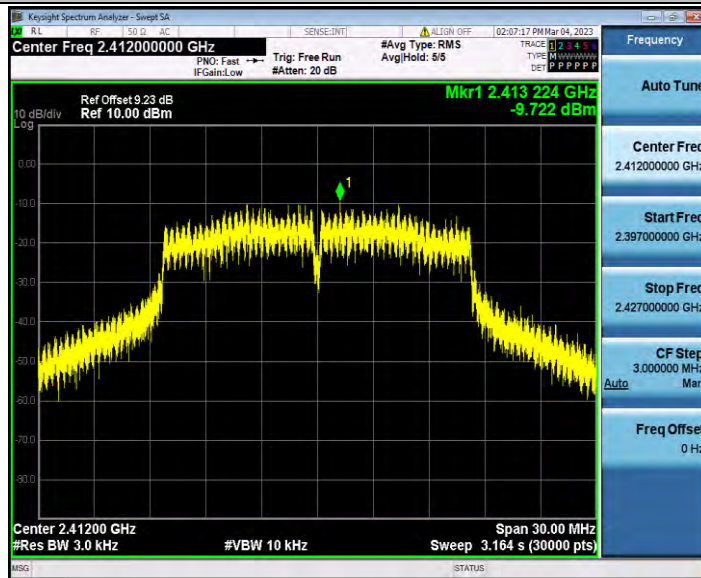
11B_Ant1_2437



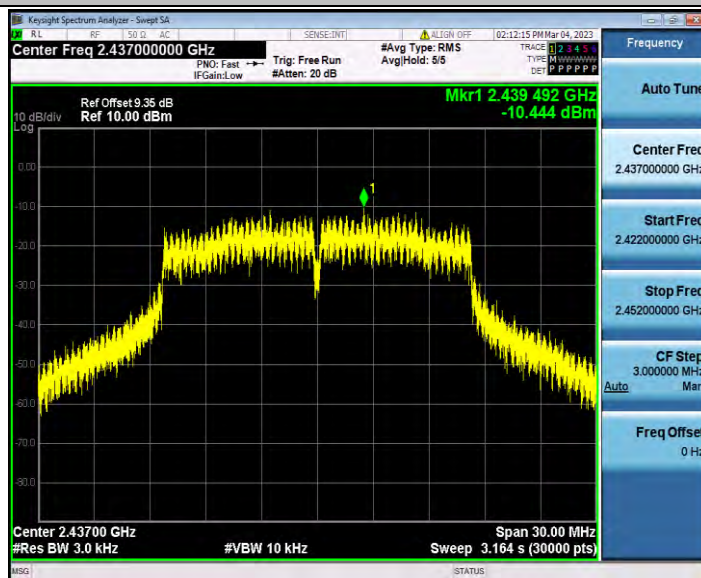
11B_Ant1_2462



11G_Ant1_2412



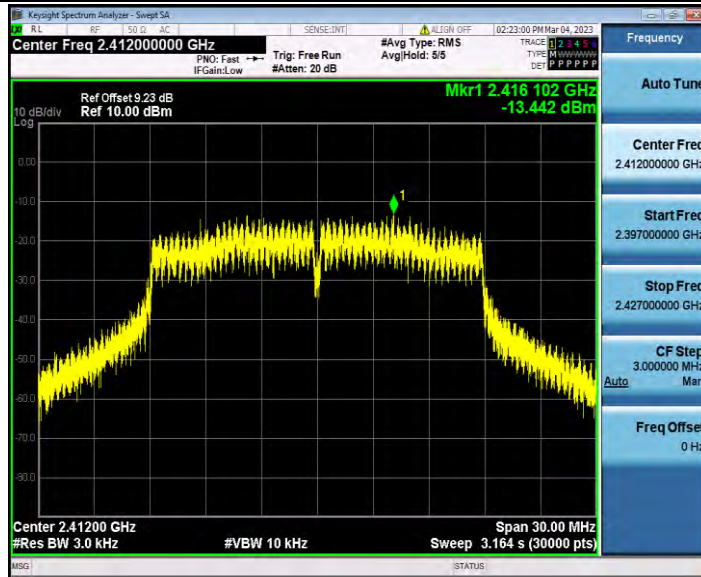
11G_Ant1_2437



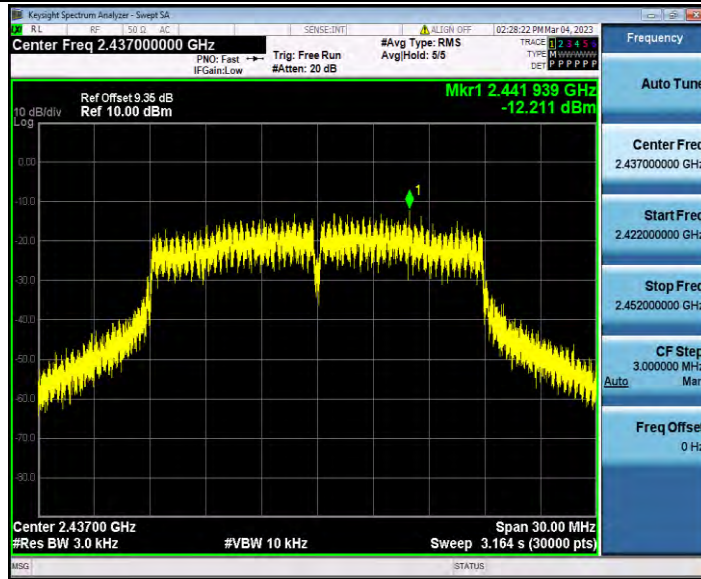
11G_Ant1_2462



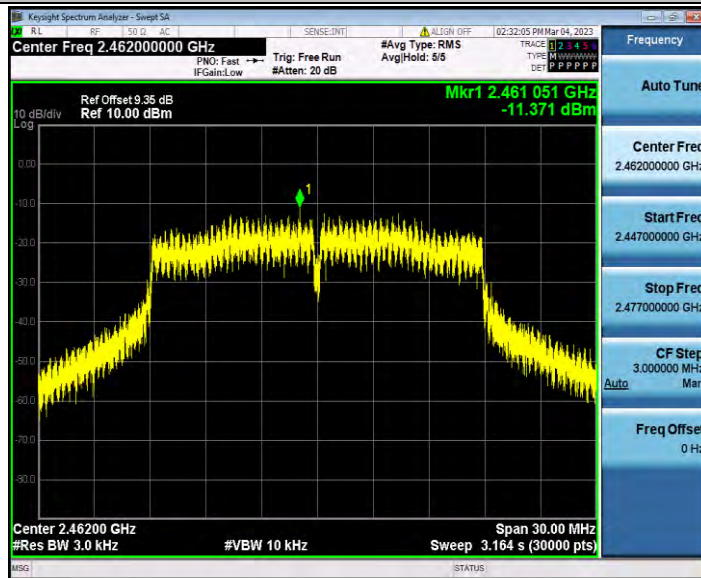
11N20SISO_Ant1_2412



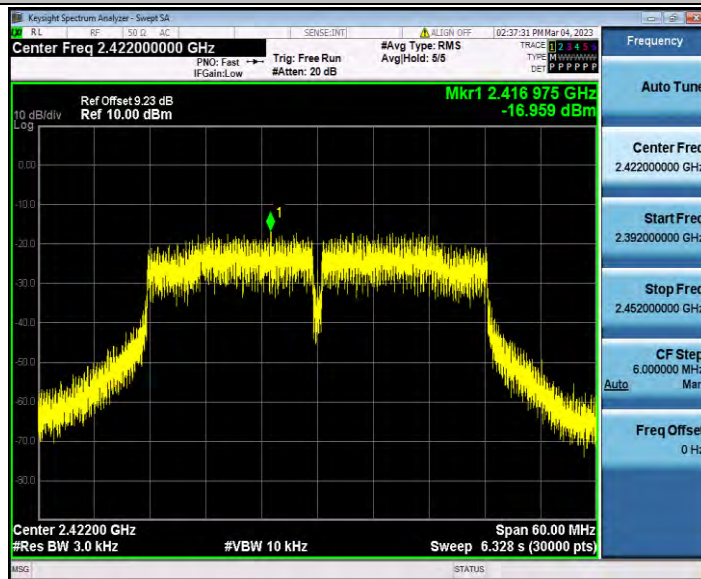
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



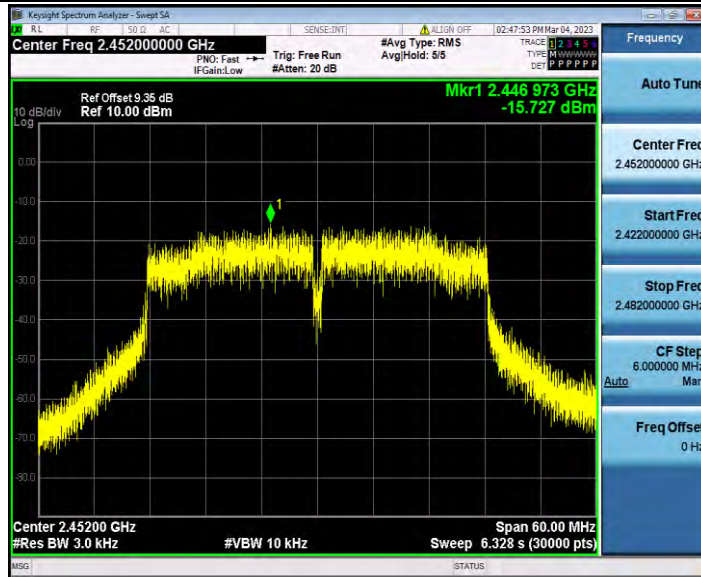
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



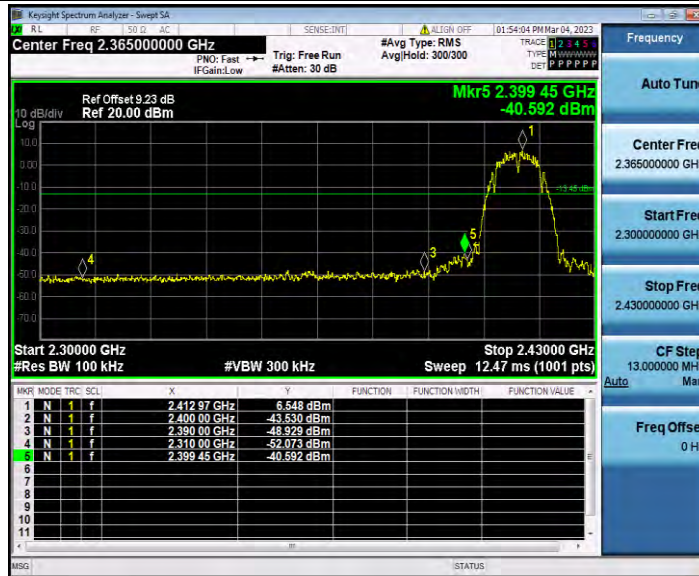
Appendix C.5: Band edge measurements

Test Result

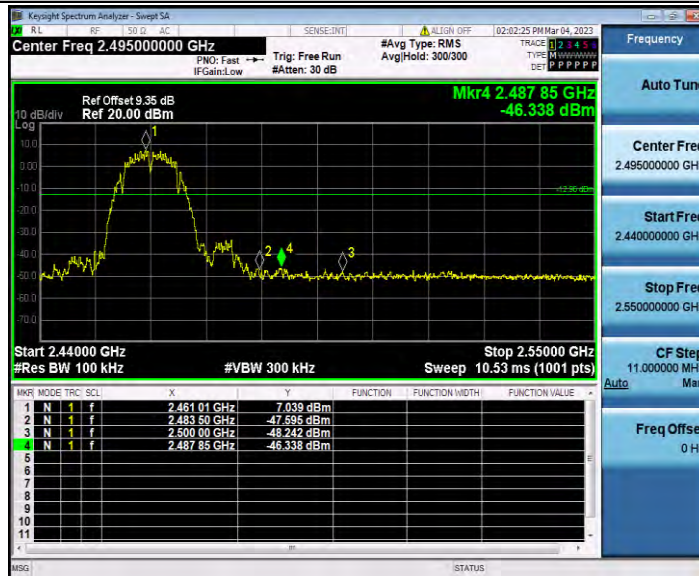
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.55	-40.59	≤-13.45	PASS
		High	2462	7.04	-46.34	≤-12.96	PASS
11G	Ant1	Low	2412	4.76	-24.51	≤-15.24	PASS
		High	2462	4.10	-40.12	≤-15.9	PASS
11N20SISO	Ant1	Low	2412	1.61	-28.32	≤-18.39	PASS
		High	2462	2.60	-42.6	≤-17.4	PASS
11N40SISO	Ant1	Low	2422	-1.53	-32.21	≤-21.53	PASS
		High	2452	-0.37	-34.29	≤-20.37	PASS

Test Graphs

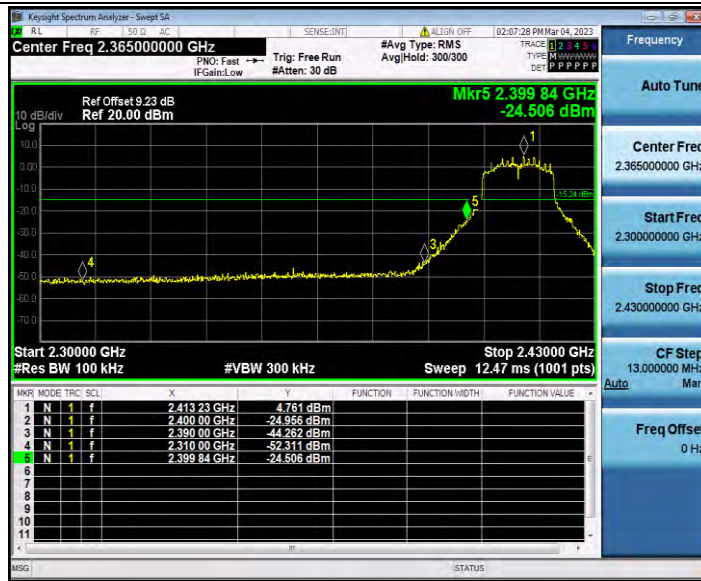
11B_Ant1_Low_2412



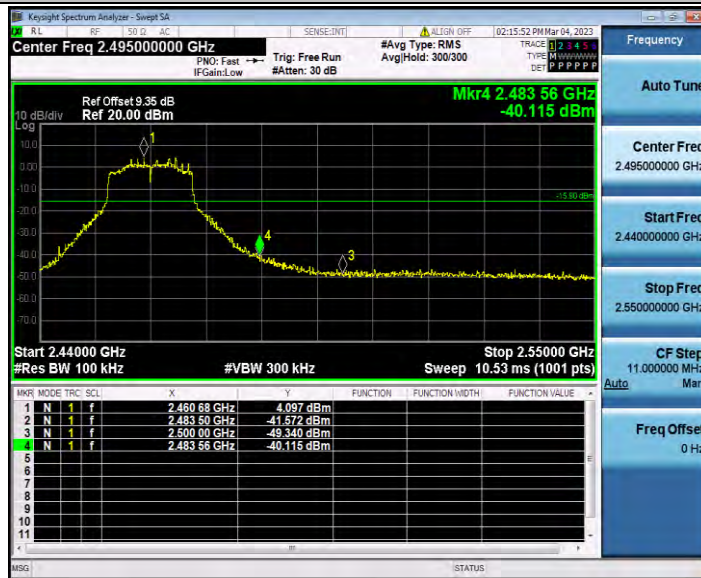
11B_Ant1_High_2462



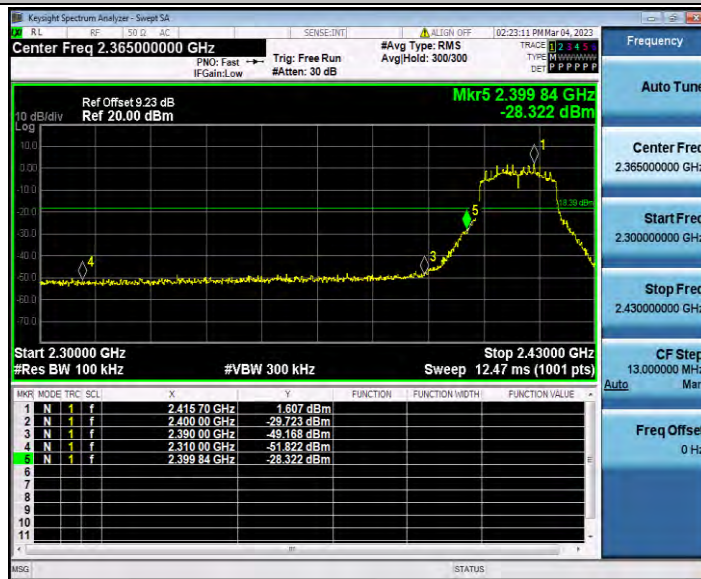
11G_Ant1_Low_2412



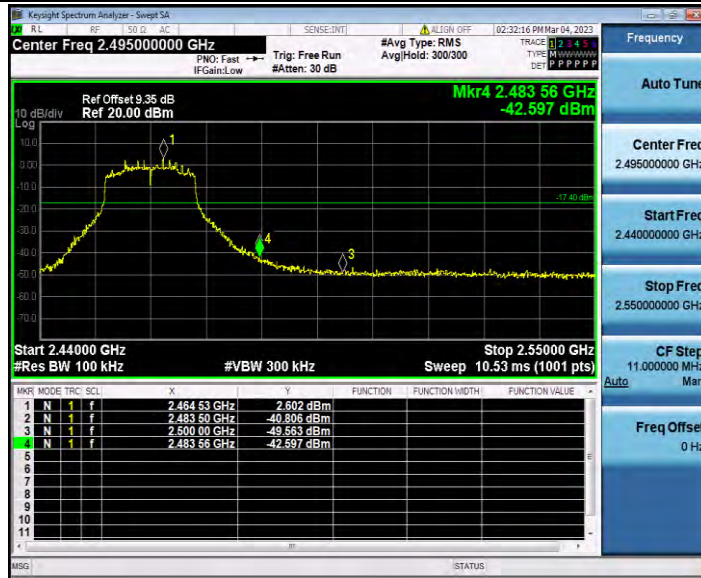
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

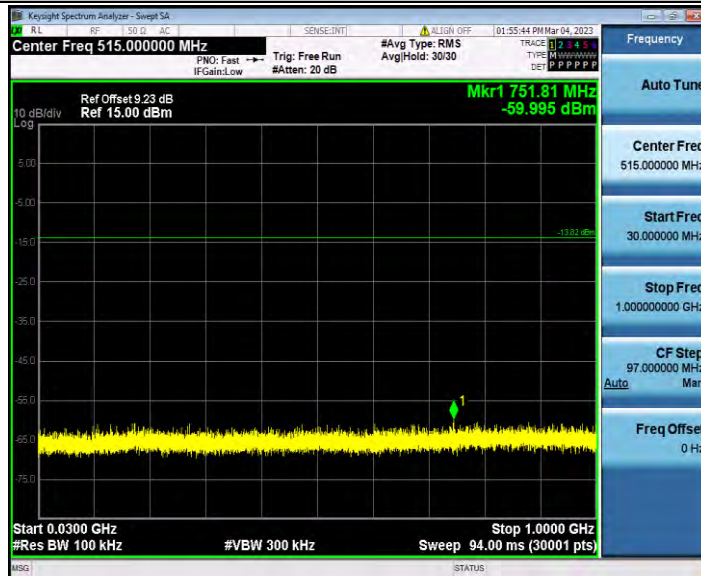
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.18	6.18	---	PASS
			30~1000	6.18	-60	≤-13.82	PASS
			1000~26500	6.18	-47.84	≤-13.82	PASS
		2437	Reference	4.54	4.54	---	PASS
			30~1000	4.54	-59.72	≤-15.46	PASS
			1000~26500	4.54	-47.34	≤-15.46	PASS
		2462	Reference	4.99	4.99	---	PASS
			30~1000	4.99	-60.13	≤-15.01	PASS
			1000~26500	4.99	-47.8	≤-15.01	PASS
11G	Ant1	2412	Reference	3.82	3.82	---	PASS
			30~1000	3.82	-59.84	≤-16.18	PASS
			1000~26500	3.82	-47.38	≤-16.18	PASS
		2437	Reference	0.06	0.06	---	PASS
			30~1000	0.06	-59.97	≤-19.94	PASS
			1000~26500	0.06	-47.28	≤-19.94	PASS
		2462	Reference	2.37	2.37	---	PASS
			30~1000	2.37	-59.75	≤-17.63	PASS
			1000~26500	2.37	-47.44	≤-17.63	PASS
11N20SISO	Ant1	2412	Reference	1.25	1.25	---	PASS
			30~1000	1.25	-60.34	≤-18.75	PASS
			1000~26500	1.25	-47.56	≤-18.75	PASS
		2437	Reference	-0.72	-0.72	---	PASS
			30~1000	-0.72	-58.52	≤-20.72	PASS
			1000~26500	-0.72	-46.32	≤-20.72	PASS
		2462	Reference	-0.28	-0.28	---	PASS
			30~1000	-0.28	-59.19	≤-20.28	PASS
			1000~26500	-0.28	-47.79	≤-20.28	PASS
11N40SISO	Ant1	2422	Reference	-1.93	-1.93	---	PASS
			30~1000	-1.93	-59.81	≤-21.93	PASS
			1000~26500	-1.93	-47.28	≤-21.93	PASS
		2437	Reference	-1.25	-1.25	---	PASS
			30~1000	-1.25	-60.21	≤-21.25	PASS
			1000~26500	-1.25	-47.13	≤-21.25	PASS
		2452	Reference	-3.71	-3.71	---	PASS
			30~1000	-3.71	-60.44	≤-23.71	PASS
			1000~26500	-3.71	-47.77	≤-23.71	PASS

Test Graphs

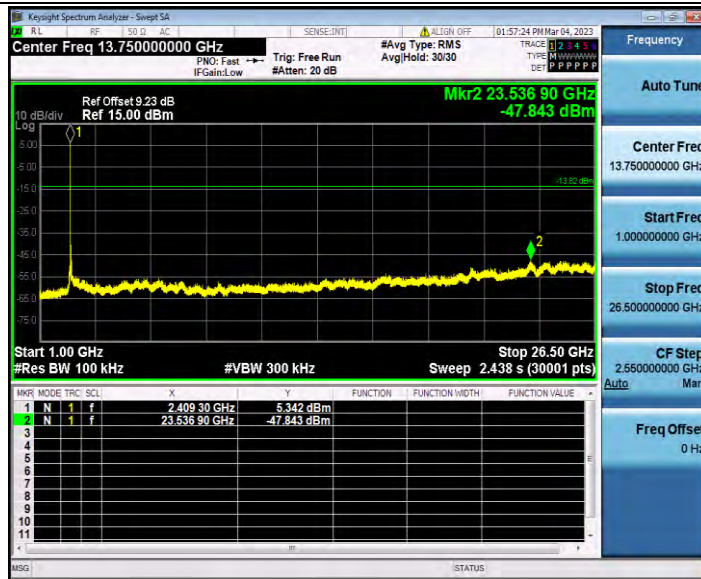
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



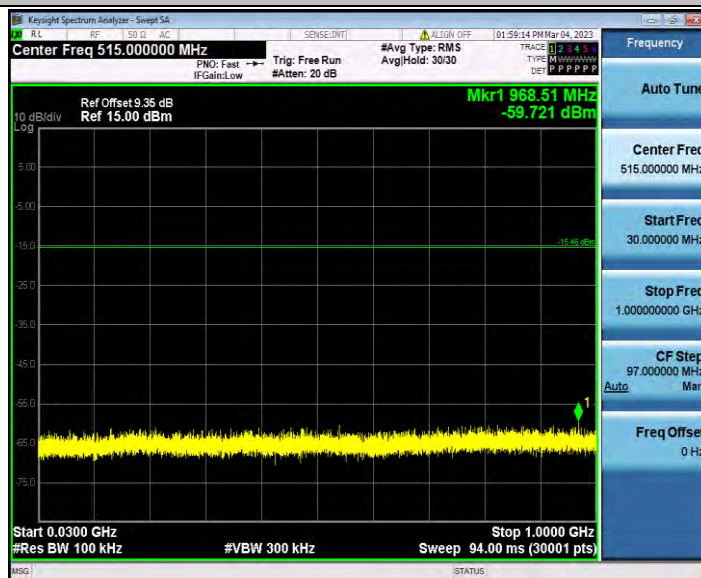
11B_Ant1_2412_1000~26500



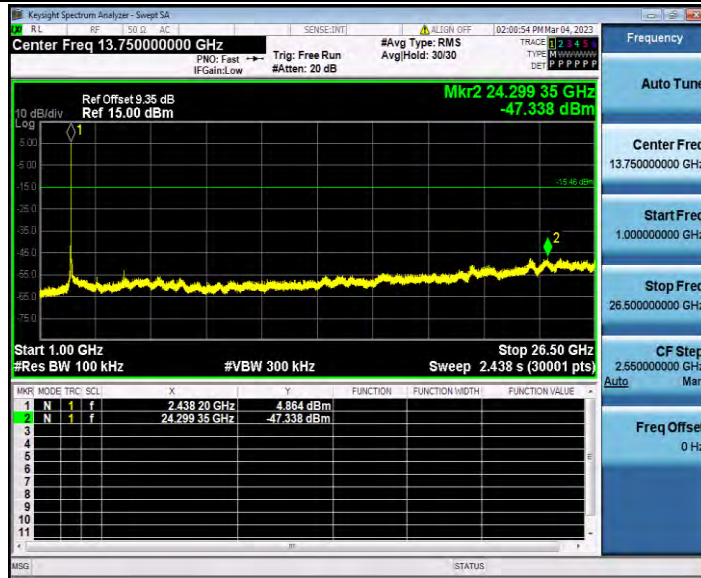
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



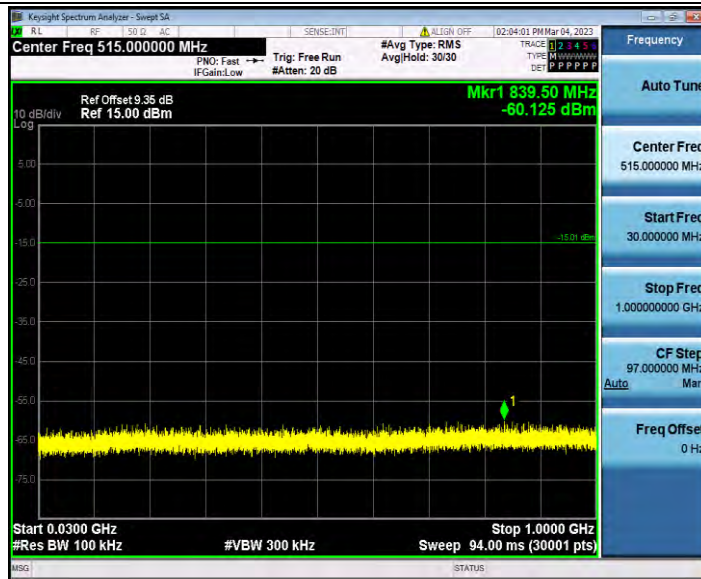
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



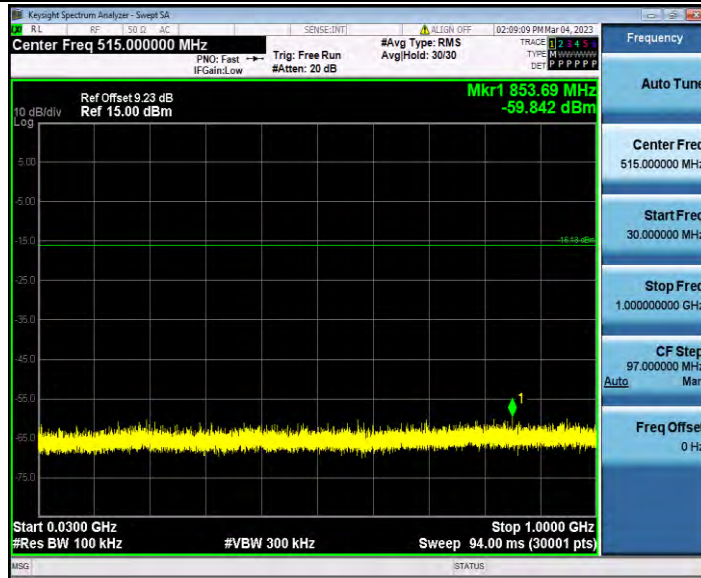
11B_Ant1_2462_1000~26500



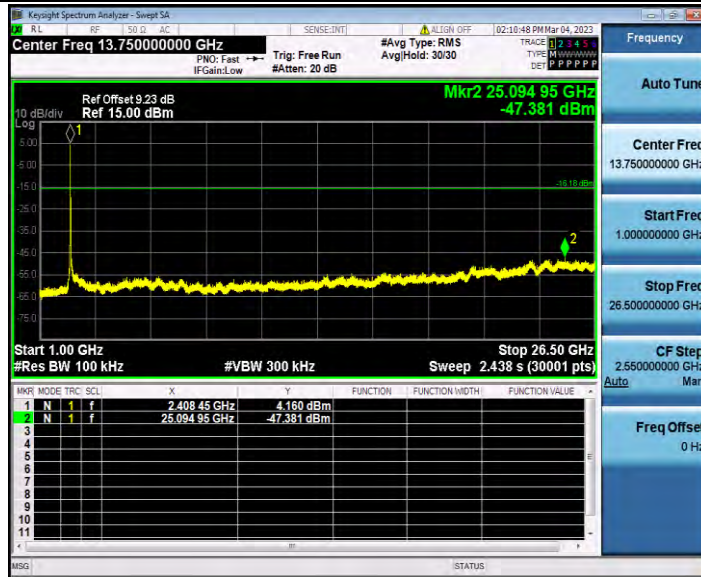
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



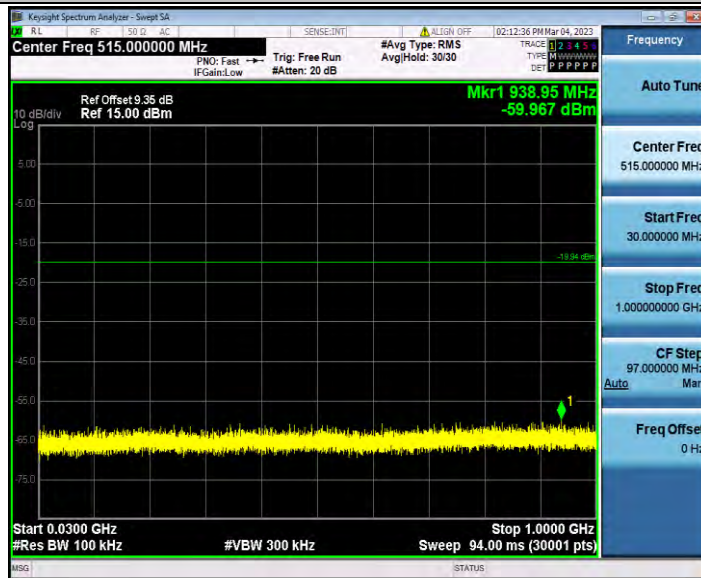
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



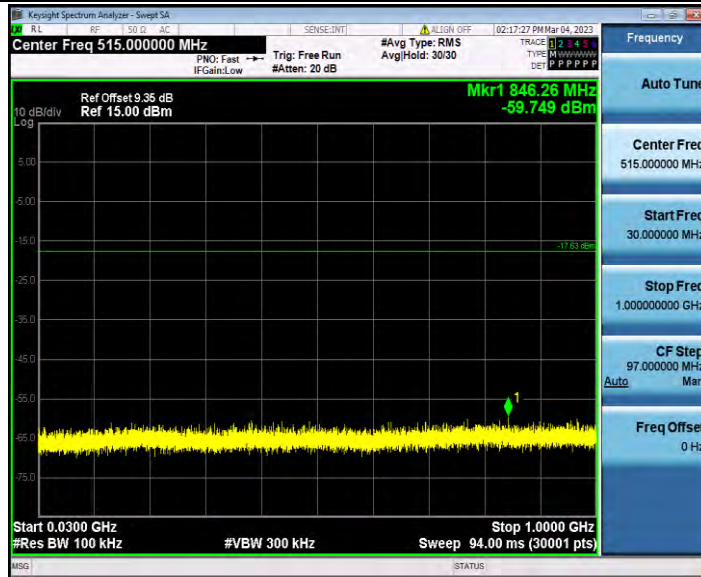
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



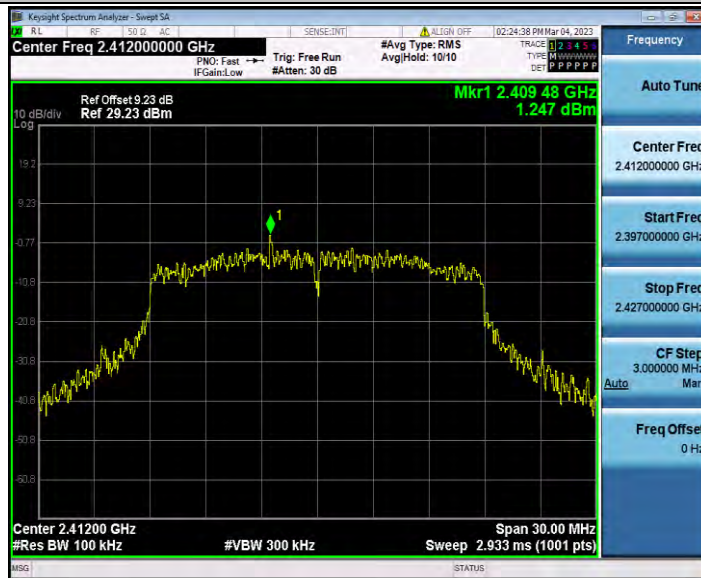
11G_Ant1_2462_30~1000



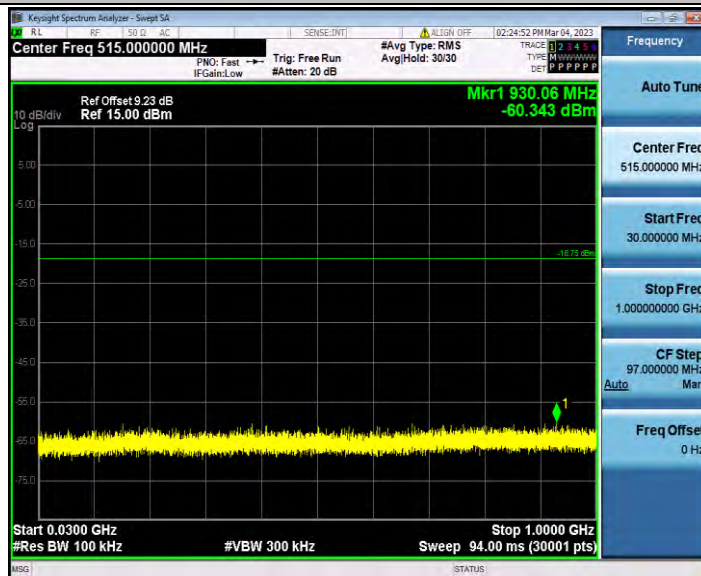
11G_Ant1_2462_1000~26500



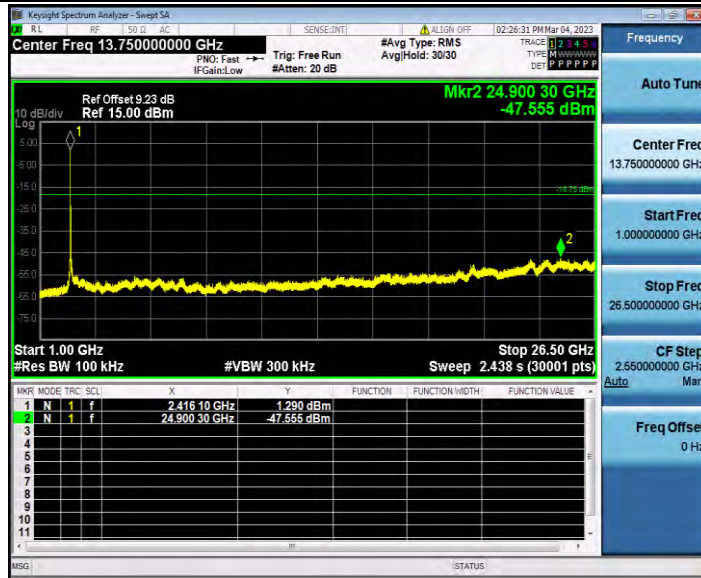
11N20SISO_Ant1_2412_0~Reference



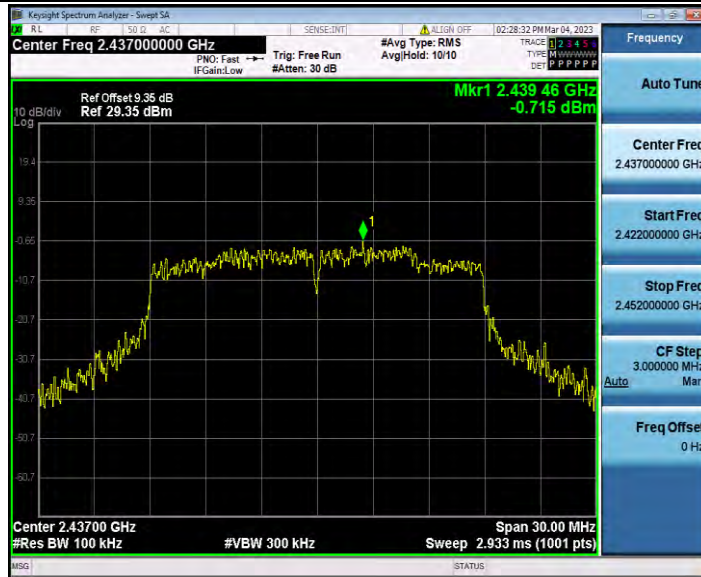
11N20SISO_Ant1_2412_30~1000



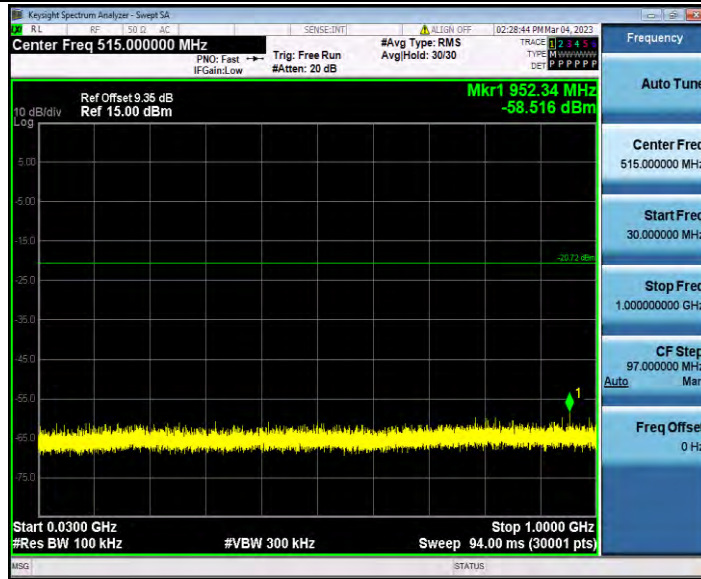
11N20SISO_Ant1_2412_1000~26500



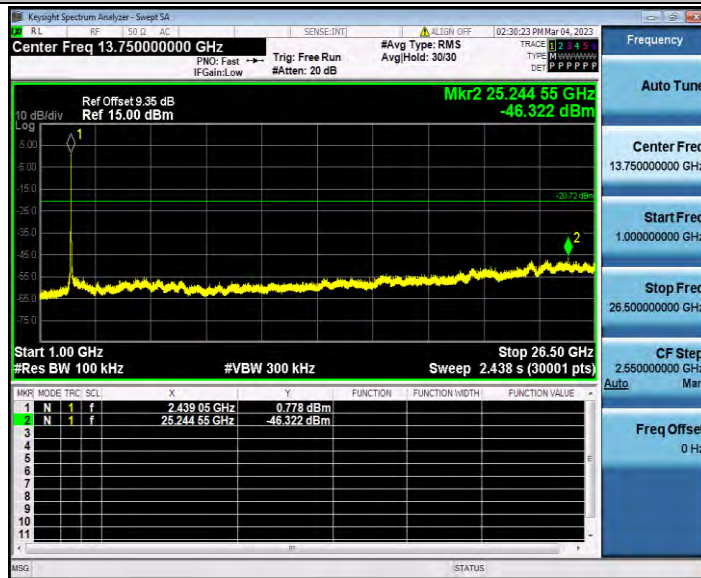
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



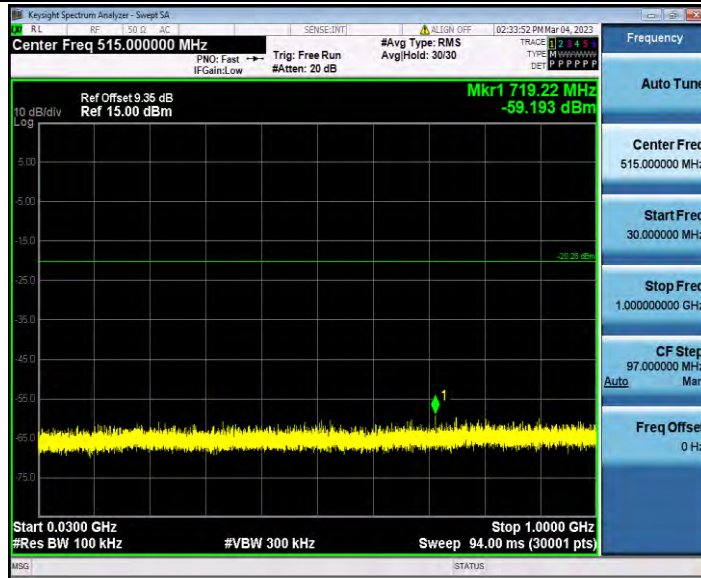
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



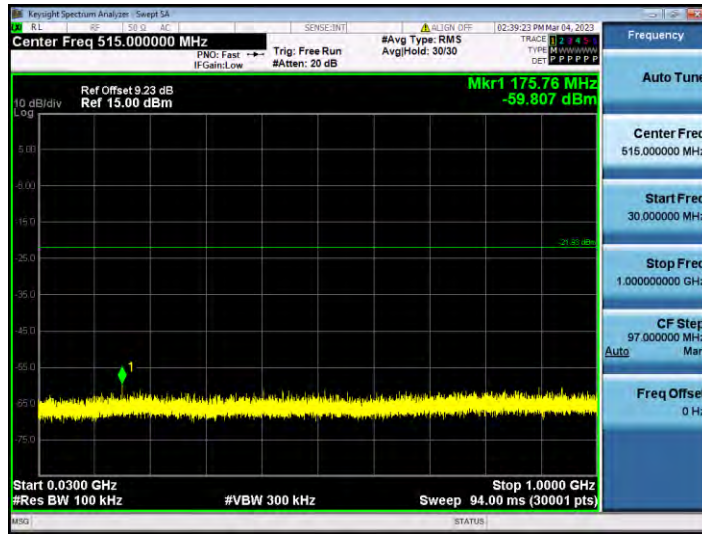
11N20SISO_Ant1_2462_1000~26500



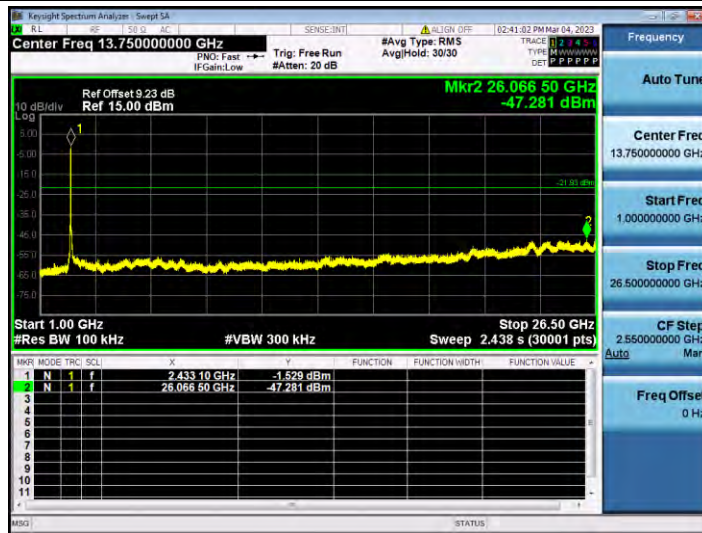
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



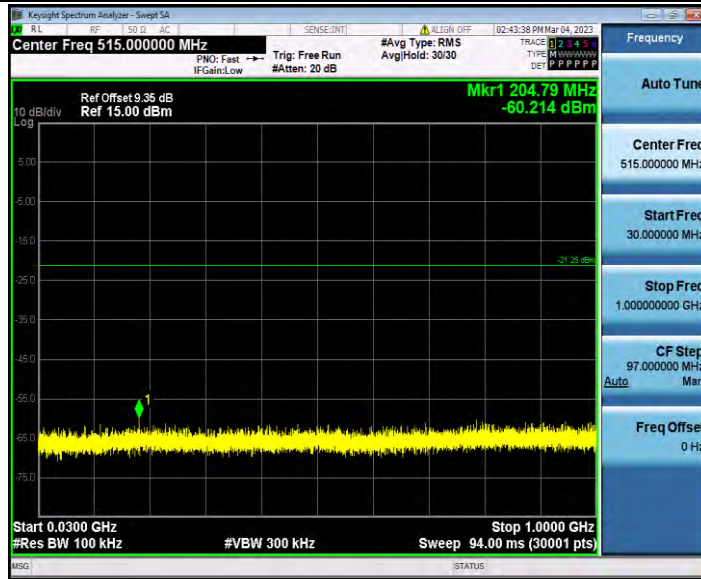
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



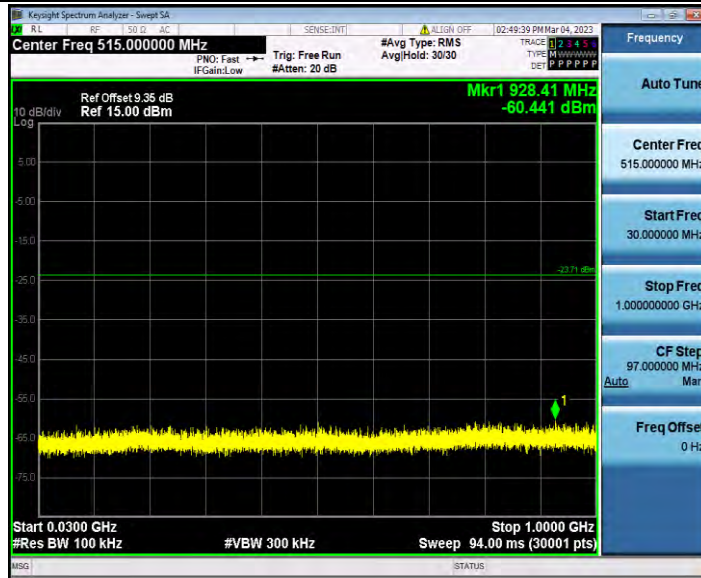
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

