

Case No. : <u>GTS20230224006-1-3</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.3.17</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	Ant2	2412	9.560	2407.440	2417.000	0.5	PASS
		2437	9.080	2432.440	2441.520	0.5	PASS
		2462	9.640	2457.000	2466.640	0.5	PASS
11G	Ant2	2412	15.000	2404.520	2419.520	0.5	PASS
		2437	14.040	2430.720	2444.760	0.5	PASS
		2462	13.160	2456.360	2469.520	0.5	PASS
11N20SISO	Ant2	2412	14.720	2404.400	2419.120	0.5	PASS
		2437	12.600	2430.680	2443.280	0.5	PASS
		2462	15.080	2454.440	2469.520	0.5	PASS
11N40SISO	Ant2	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.120	2434.400	2469.520	0.5	PASS

Test Graphs

11B_Ant2_2412



11B_Ant2_2437



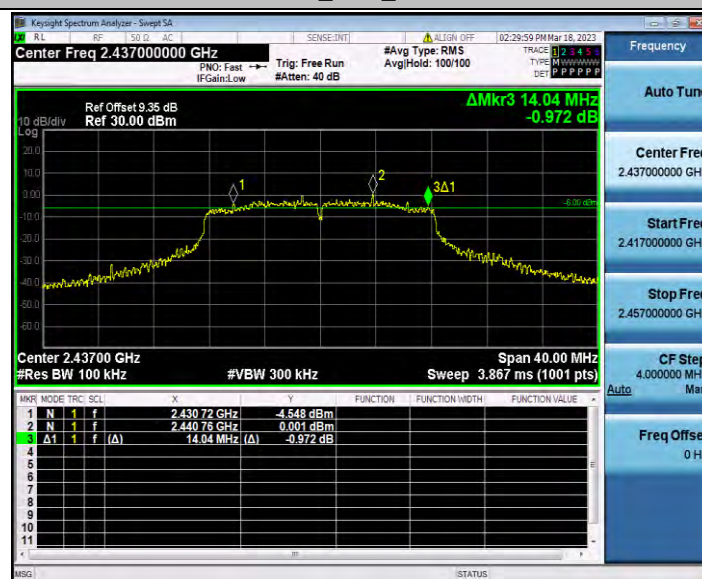
11B_Ant2_2462



11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



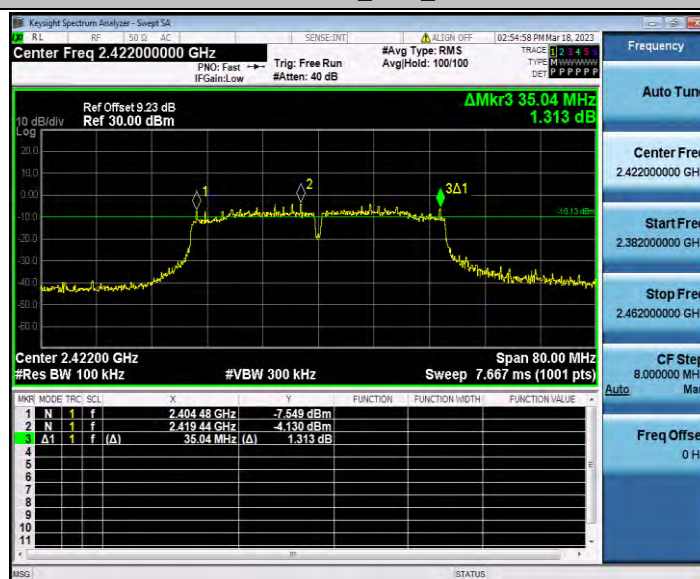
11N20SISO_Ant2_2437



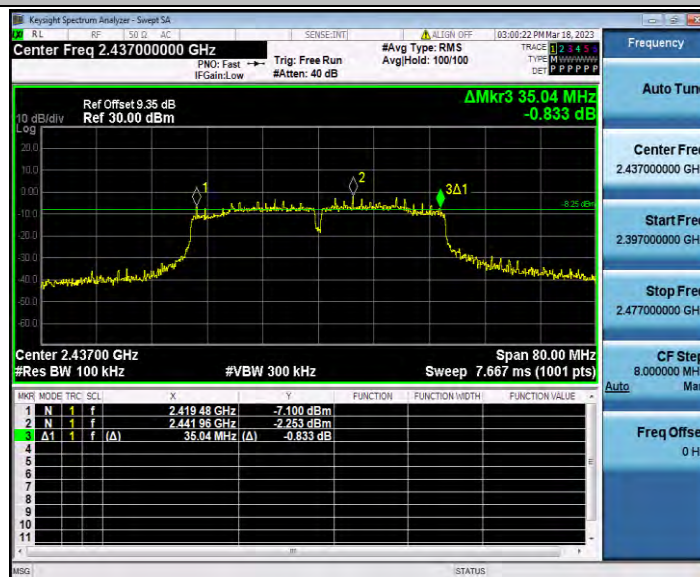
11N20SISO_Ant2_2462



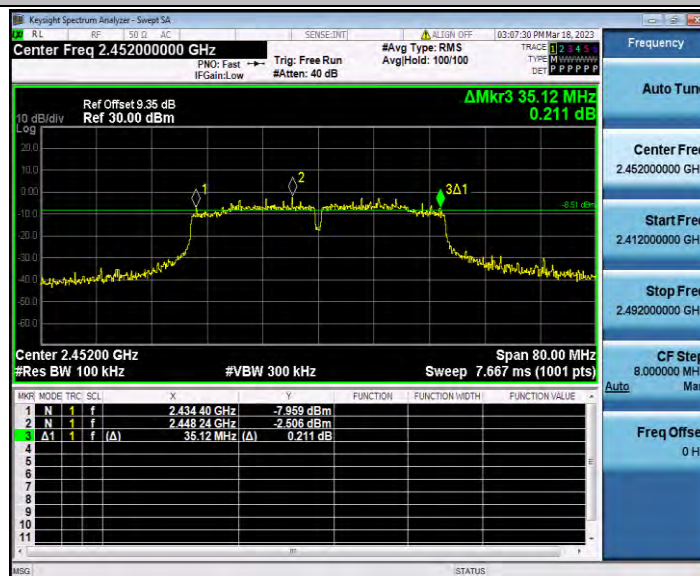
11N40SISO_Ant2_2422



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	13.065	2405.467	2418.532	---	---
		2437	13.490	2430.344	2443.834	---	---
		2462	13.037	2455.522	2468.559	---	---
11G	Ant2	2412	16.768	2403.630	2420.398	---	---
		2437	16.815	2428.677	2445.492	---	---
		2462	16.850	2453.582	2470.432	---	---
11N20SISO	Ant2	2412	17.925	2403.060	2420.985	---	---
		2437	17.990	2428.089	2446.079	---	---
		2462	18.102	2452.968	2471.070	---	---
11N40SISO	Ant2	2422	36.330	2403.961	2440.291	---	---
		2437	36.310	2419.009	2455.319	---	---
		2452	36.225	2433.969	2470.194	---	---

Test Graphs

11B_Ant2_2412



11B_Ant2_2437



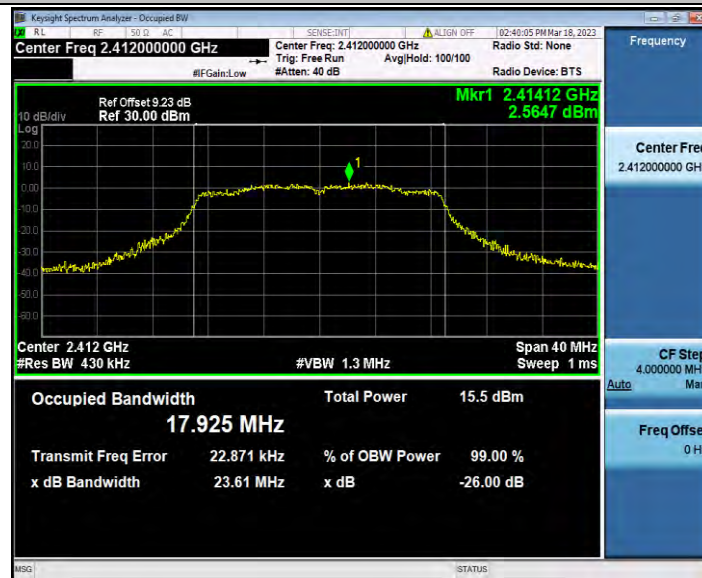
11B_Ant2_2462



11G_Ant2_2462



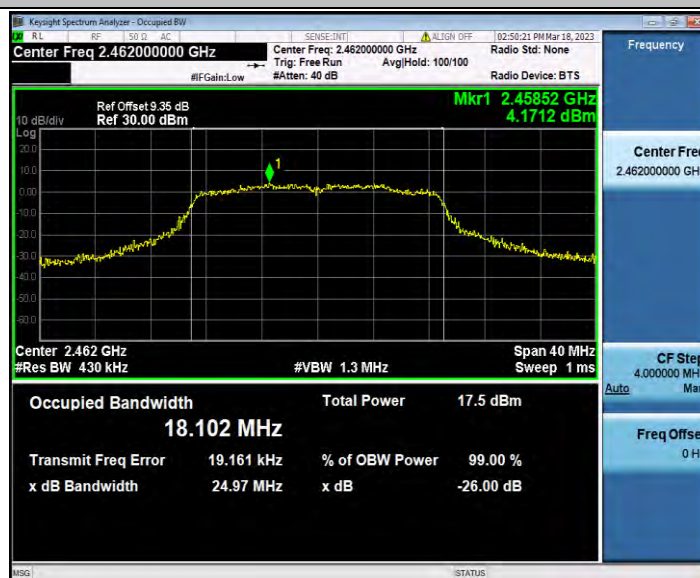
11N20SISO_Ant2_2412



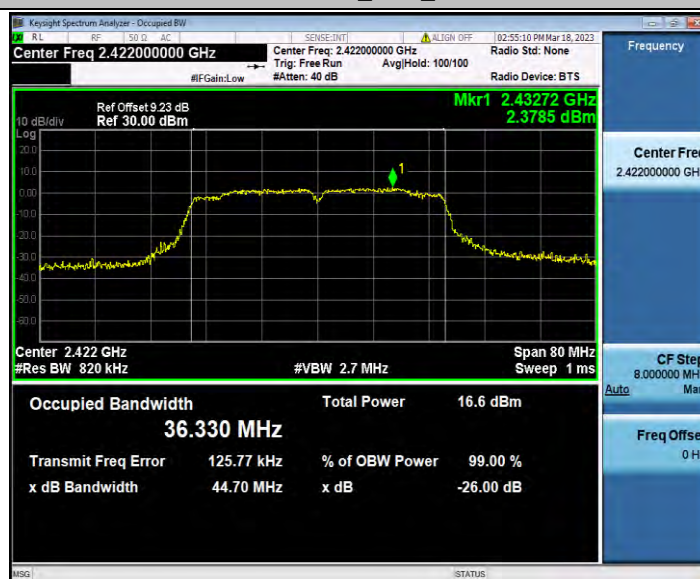
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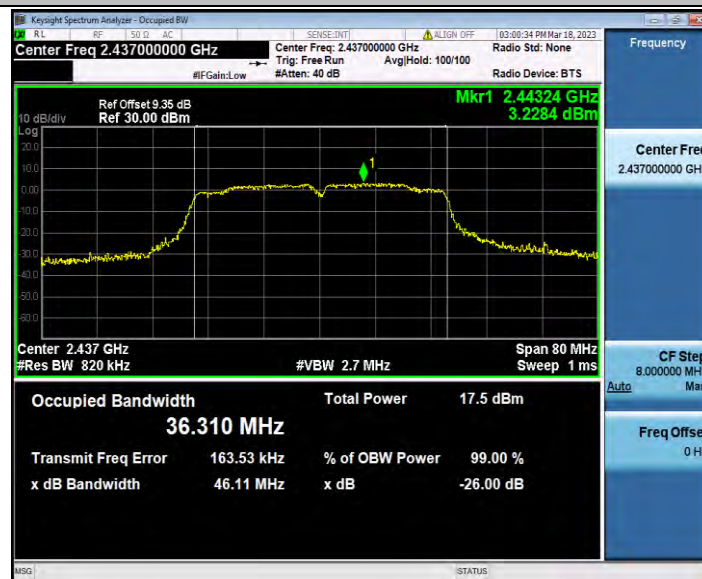
11N20SISO_Ant2_2462



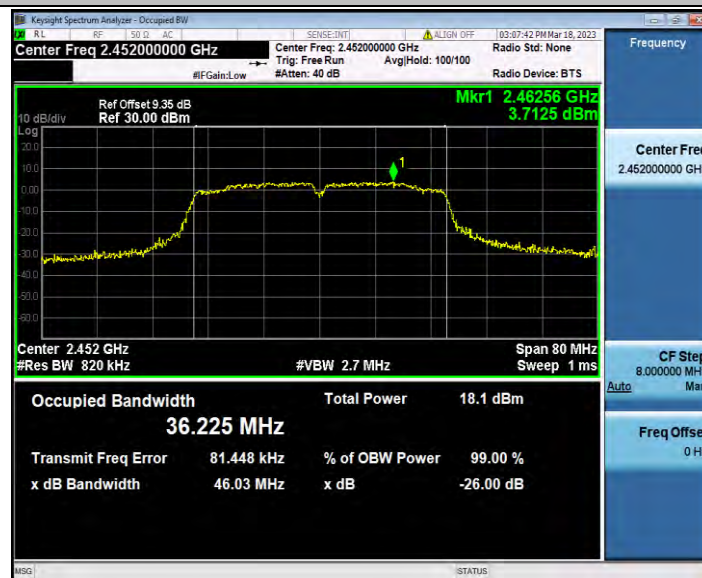
11N40SISO_Ant2_2422



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	19.52	≤30.00	PASS
		2437	19.89	≤30.00	PASS
		2462	19.01	≤30.00	PASS
11G	Ant2	2412	16.86	≤30.00	PASS
		2437	18.01	≤30.00	PASS
		2462	18.77	≤30.00	PASS
11N20SISO	Ant2	2412	16.72	≤30.00	PASS
		2437	17.91	≤30.00	PASS
		2462	18.70	≤30.00	PASS
11N40SISO	Ant2	2422	17.01	≤30.00	PASS
		2437	17.76	≤30.00	PASS
		2452	18.34	≤30.00	PASS

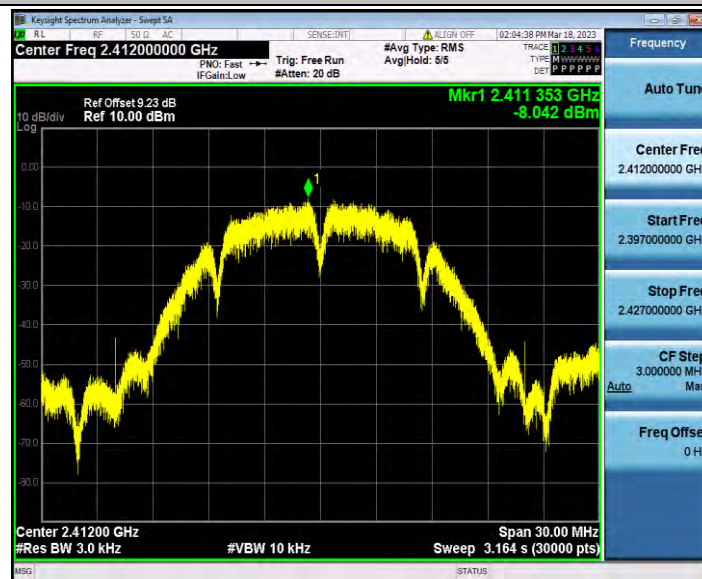
Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-8.04	≤8.00	PASS
		2437	-8.07	≤8.00	PASS
		2462	-8.06	≤8.00	PASS
11G	Ant2	2412	-15.3	≤8.00	PASS
		2437	-14.68	≤8.00	PASS
		2462	-12.7	≤8.00	PASS
11N20SISO	Ant2	2412	-15.47	≤8.00	PASS
		2437	-12.49	≤8.00	PASS
		2462	-13.74	≤8.00	PASS
11N40SISO	Ant2	2422	-17.2	≤8.00	PASS
		2437	-15.8	≤8.00	PASS
		2452	-16.2	≤8.00	PASS

Test Graphs

11B_Ant2_2412



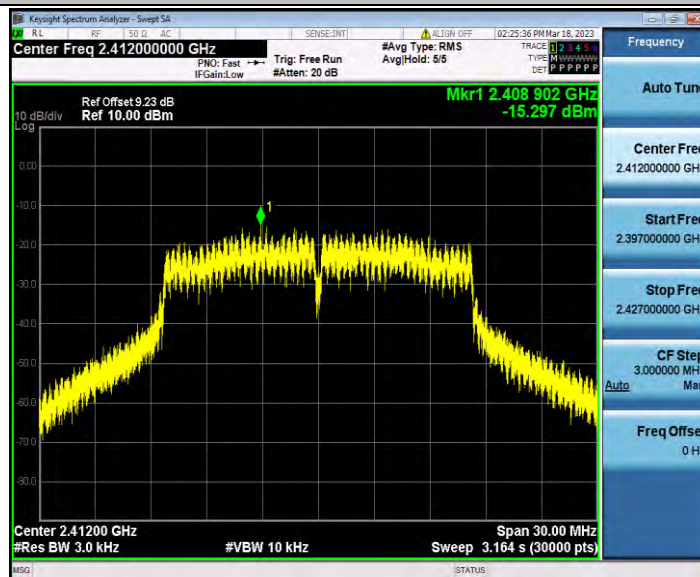
11B_Ant2_2437



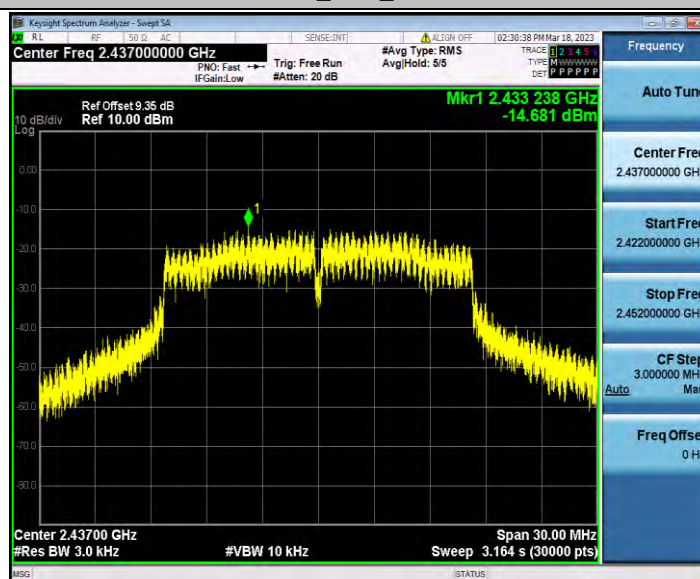
11B_Ant2_2462



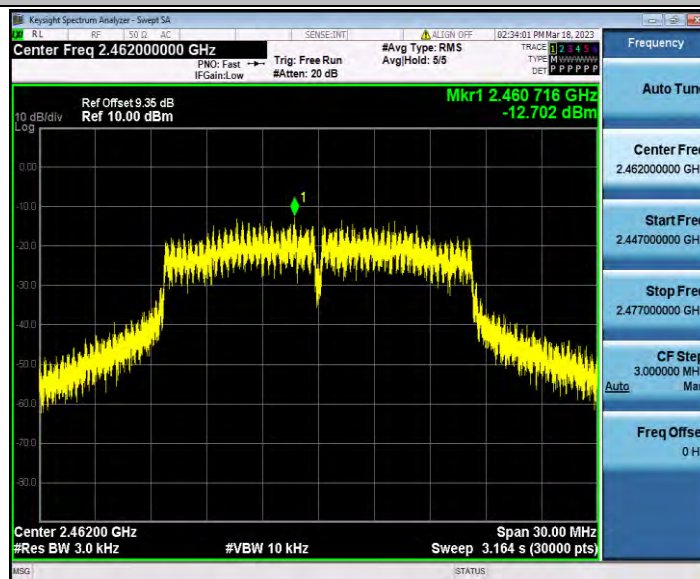
11G_Ant2_2412



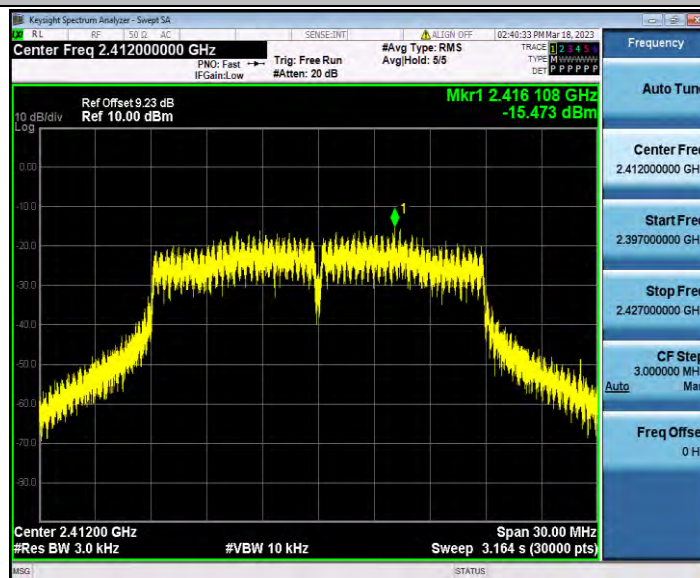
11G_Ant2_2437



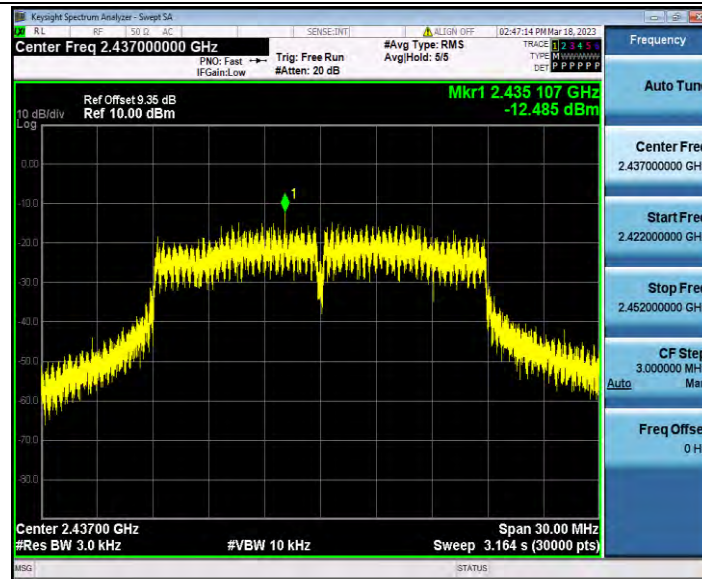
11G_Ant2_2462



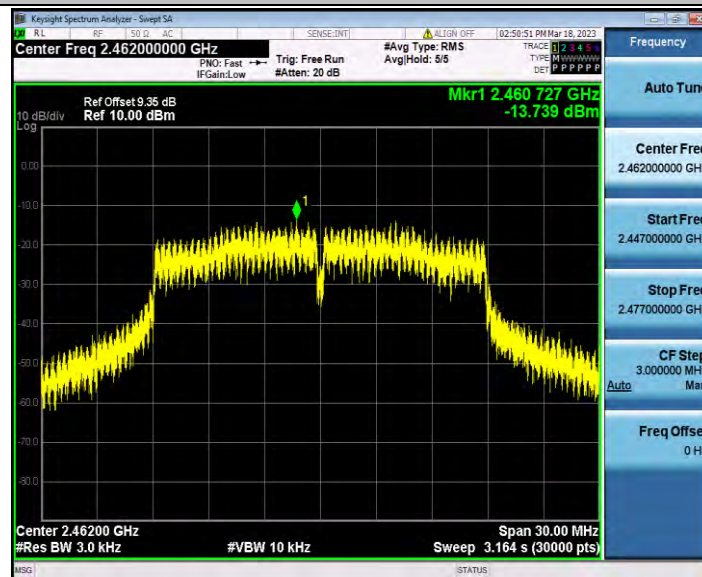
11N20SISO_Ant2_2412



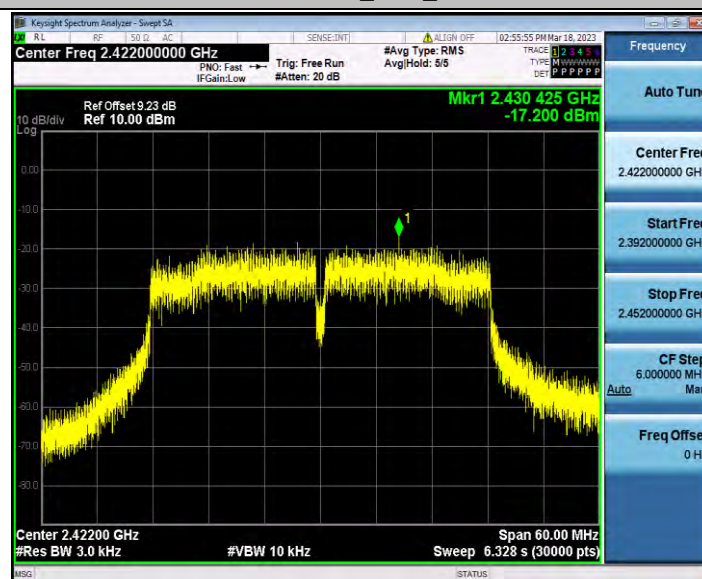
11N20SISO_Ant2_2437



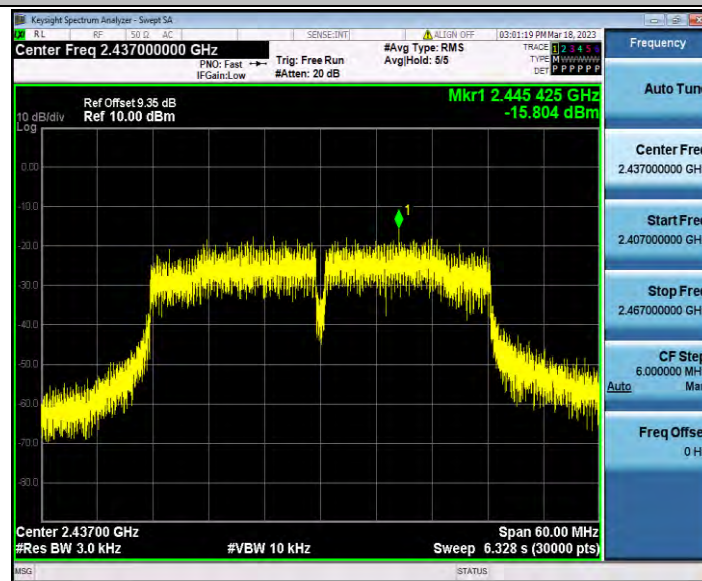
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



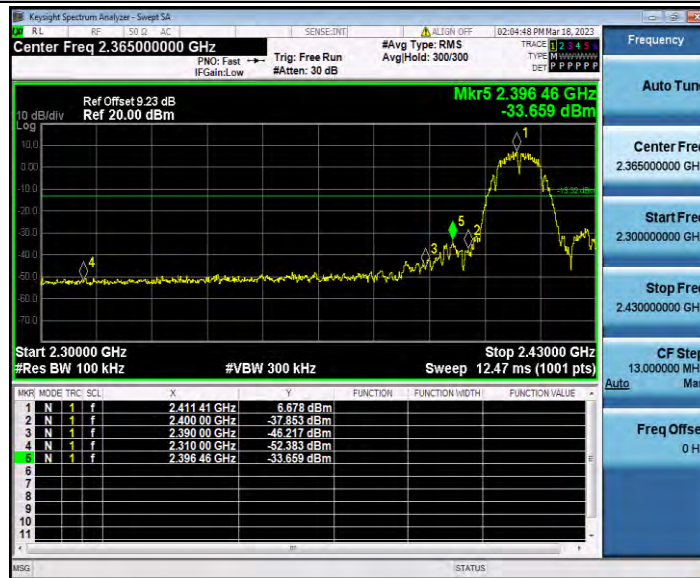
Appendix C.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	6.68	-33.66	≤-13.32	PASS
		High	2462	6.83	-38.04	≤-13.17	PASS
11G	Ant2	Low	2412	-0.69	-32.03	≤-20.69	PASS
		High	2462	1.21	-40.11	≤-18.79	PASS
11N20SISO	Ant2	Low	2412	-0.54	-31.15	≤-20.54	PASS
		High	2462	1.25	-38.53	≤-18.75	PASS
11N40SISO	Ant2	Low	2422	-3.64	-35.68	≤-23.64	PASS
		High	2452	-1.81	-30.94	≤-21.81	PASS

Test Graphs

11B_Ant2_Low_2412



11B_Ant2_High_2462



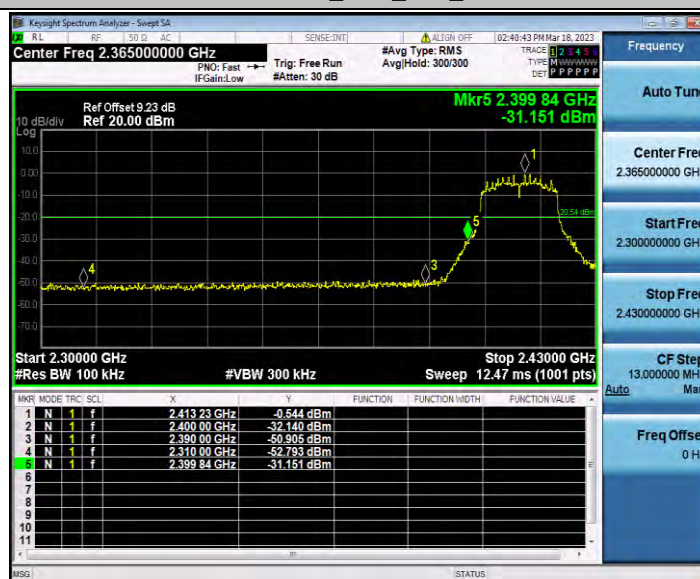
11G_Ant2_Low_2412



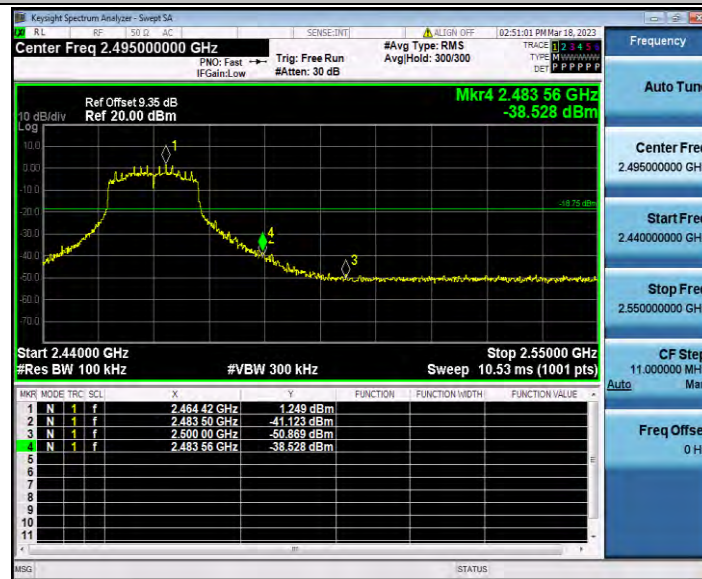
11G_Ant2_High_2462



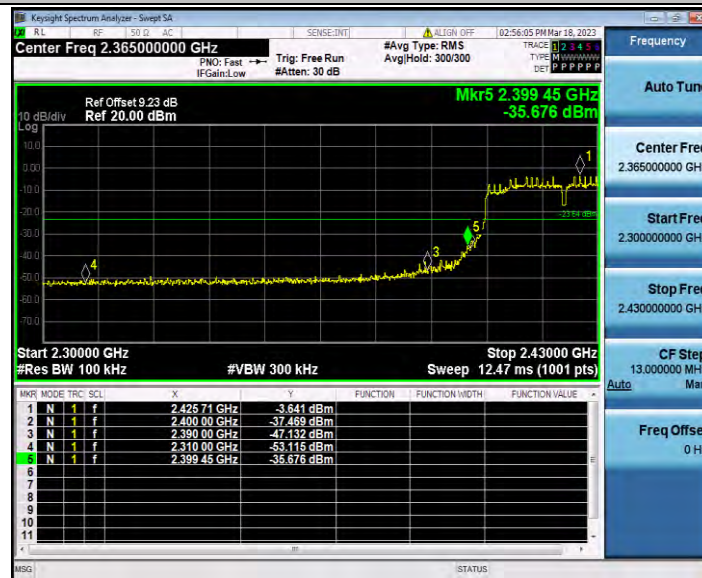
11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

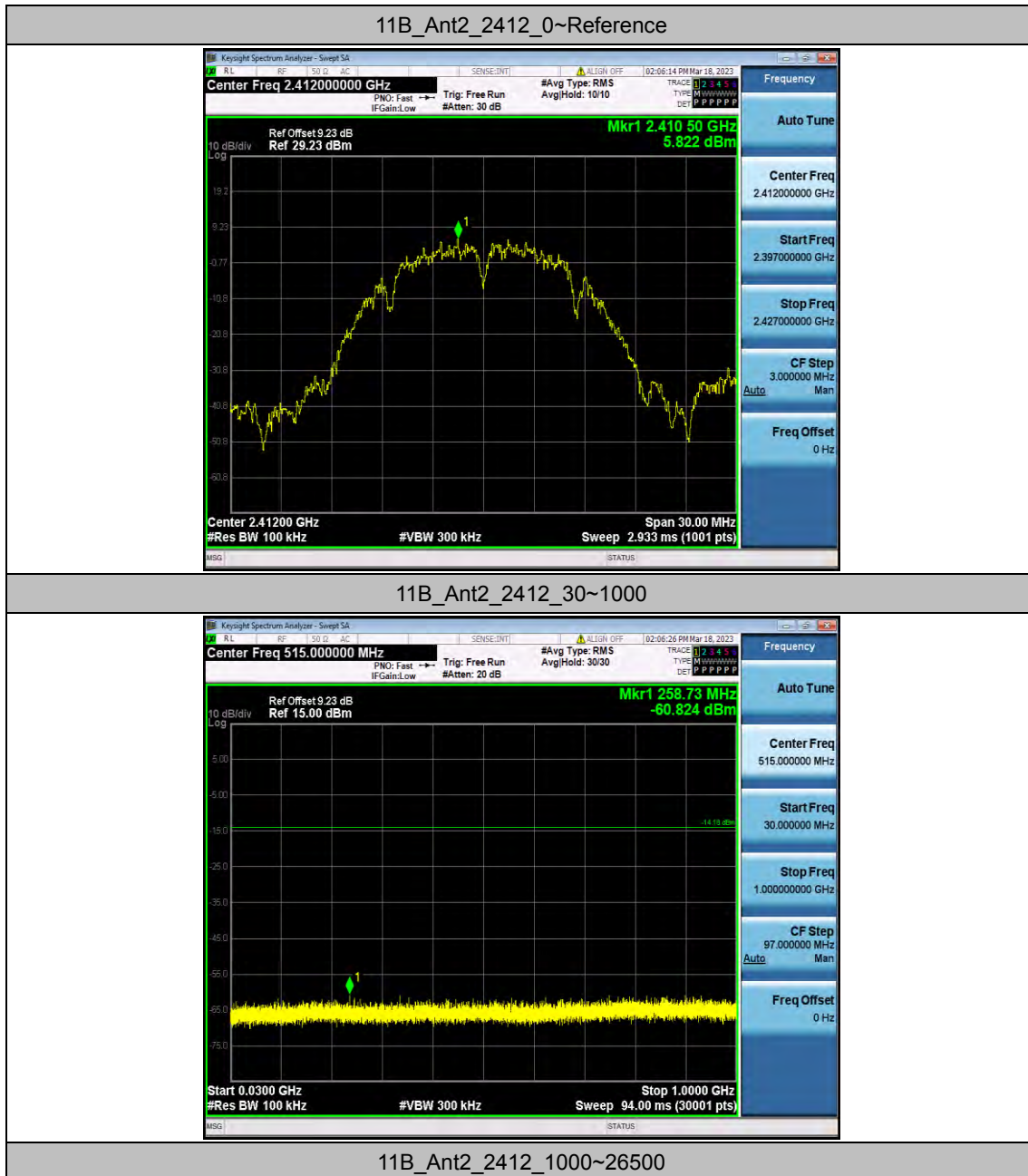


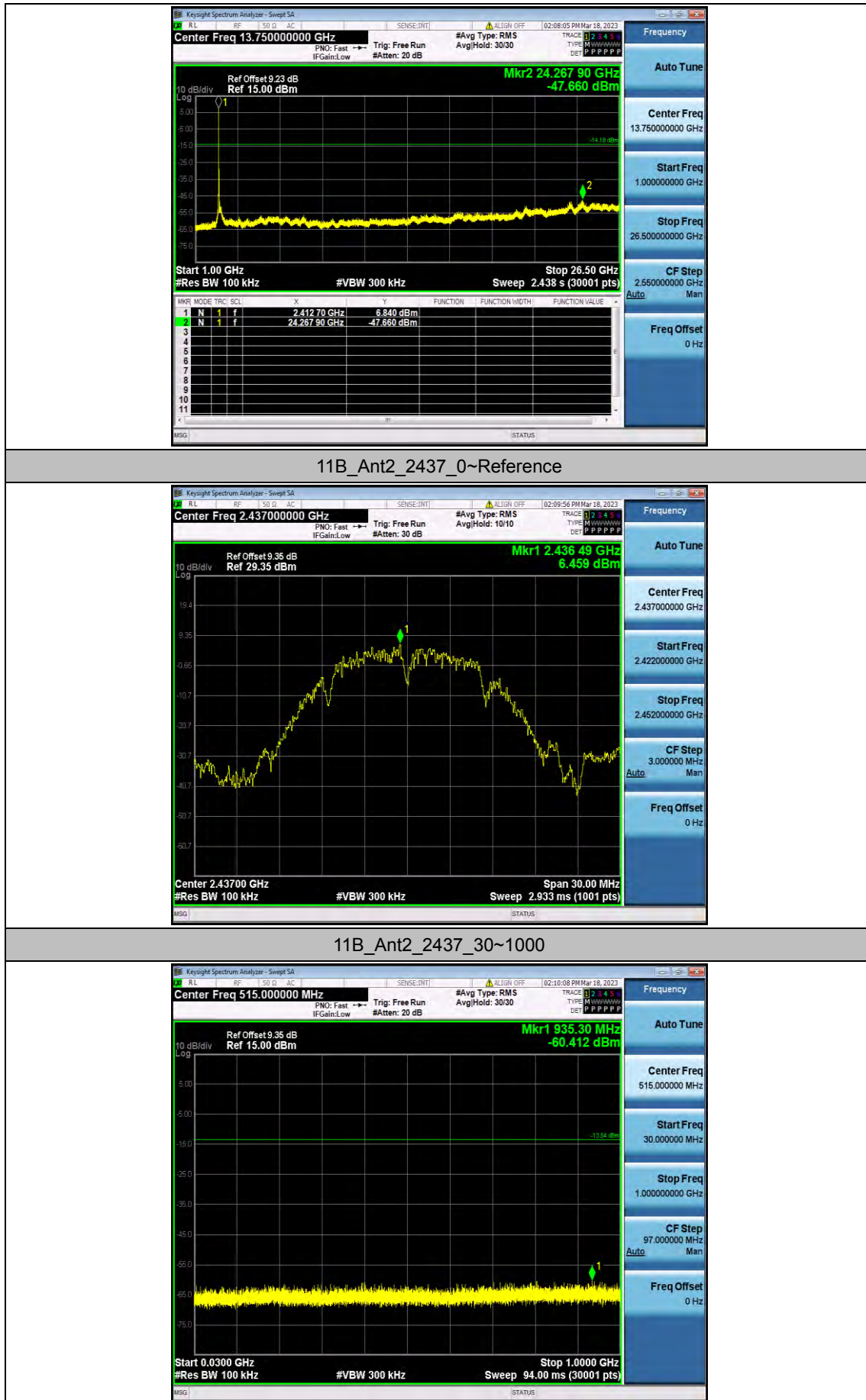
Appendix C.6: Conducted Spurious Emission

Test Result

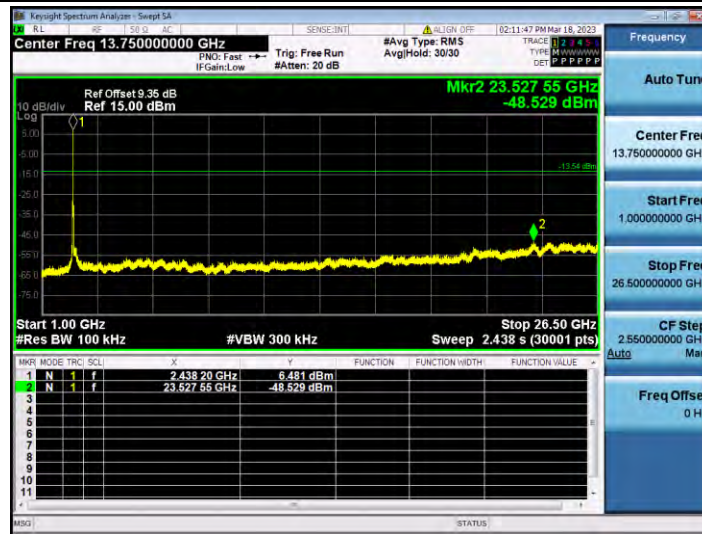
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	5.82	5.82	---	PASS
			30~1000	5.82	-60.82	≤ -14.18	PASS
			1000~26500	5.82	-47.66	≤ -14.18	PASS
		2437	Reference	6.46	6.46	---	PASS
			30~1000	6.46	-60.41	≤ -13.54	PASS
			1000~26500	6.46	-48.53	≤ -13.54	PASS
		2462	Reference	6.60	6.60	---	PASS
			30~1000	6.60	-60	≤ -13.4	PASS
			1000~26500	6.60	-47.14	≤ -13.4	PASS
11G	Ant2	2412	Reference	-1.14	-1.14	---	PASS
			30~1000	-1.14	-59.82	≤ -21.14	PASS
			1000~26500	-1.14	-47.89	≤ -21.14	PASS
		2437	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-60	≤ -21.31	PASS
			1000~26500	-1.31	-47.87	≤ -21.31	PASS
		2462	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-59.86	≤ -21.92	PASS
			1000~26500	-1.92	-47.26	≤ -21.92	PASS
11N20SISO	Ant2	2412	Reference	-1.43	-1.43	---	PASS
			30~1000	-1.43	-60.48	≤ -21.43	PASS
			1000~26500	-1.43	-46.78	≤ -21.43	PASS
		2437	Reference	-2.95	-2.95	---	PASS
			30~1000	-2.95	-59.79	≤ -22.95	PASS
			1000~26500	-2.95	-47.49	≤ -22.95	PASS
		2462	Reference	-1.02	-1.02	---	PASS
			30~1000	-1.02	-60.45	≤ -21.02	PASS
			1000~26500	-1.02	-47.21	≤ -21.02	PASS
11N40SISO	Ant2	2422	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-60.47	≤ -24.39	PASS
			1000~26500	-4.39	-47.73	≤ -24.39	PASS
		2437	Reference	-5.17	-5.17	---	PASS
			30~1000	-5.17	-59.72	≤ -25.17	PASS
			1000~26500	-5.17	-47.22	≤ -25.17	PASS
		2452	Reference	-3.61	-3.61	---	PASS
			30~1000	-3.61	-59.96	≤ -23.61	PASS
			1000~26500	-3.61	-47.73	≤ -23.61	PASS

Test Graphs





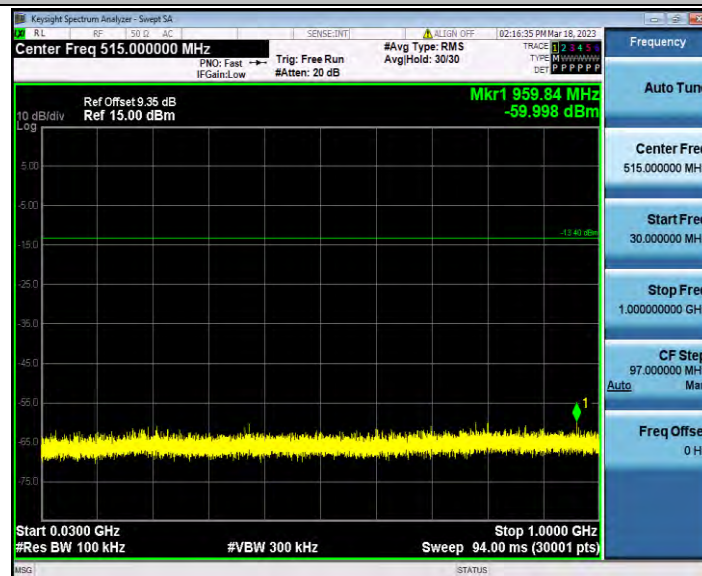
11B_Ant2_2437_1000~26500



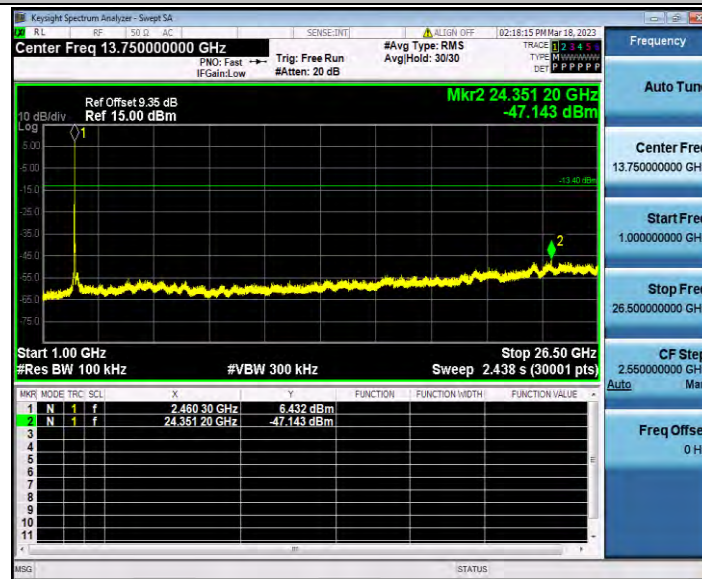
11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000



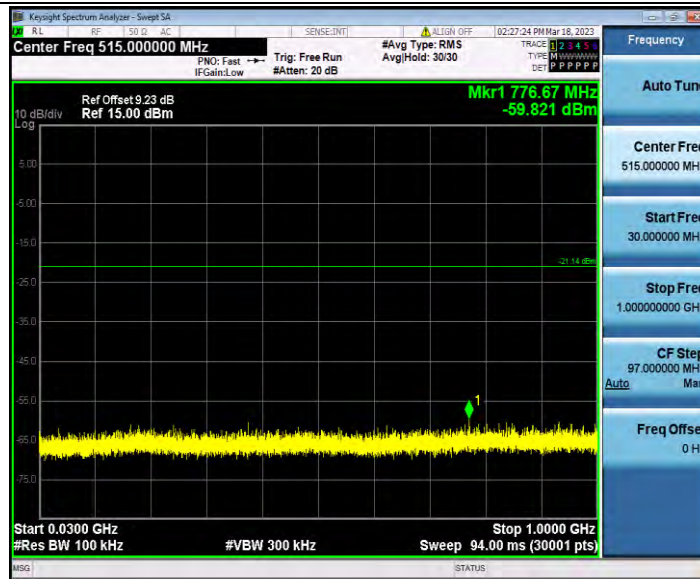
11B_Ant2_2462_1000~26500



11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



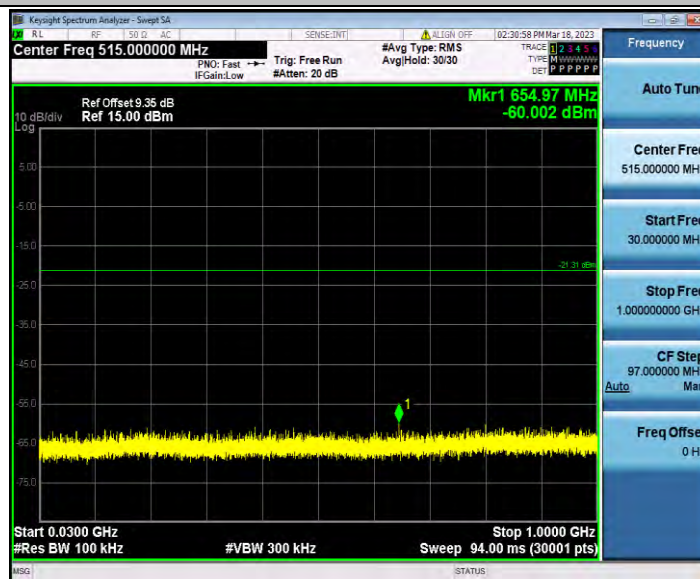
11G_Ant2_2412_1000~26500



11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000



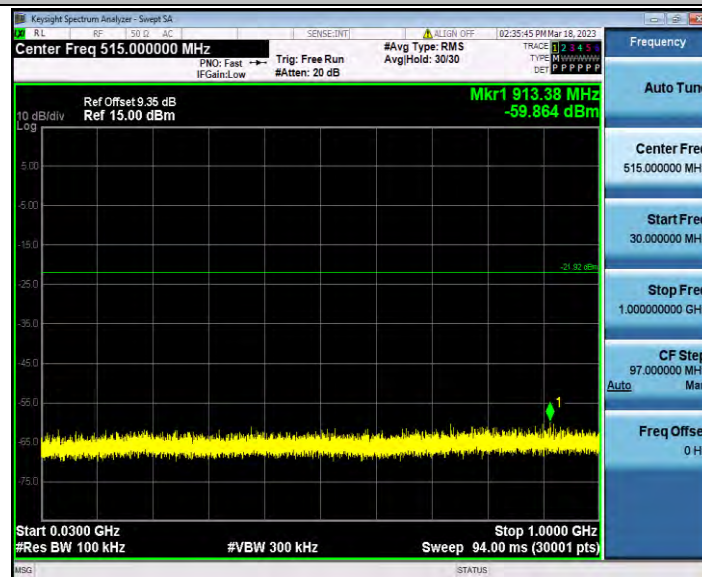
11G_Ant2_2437_1000~26500



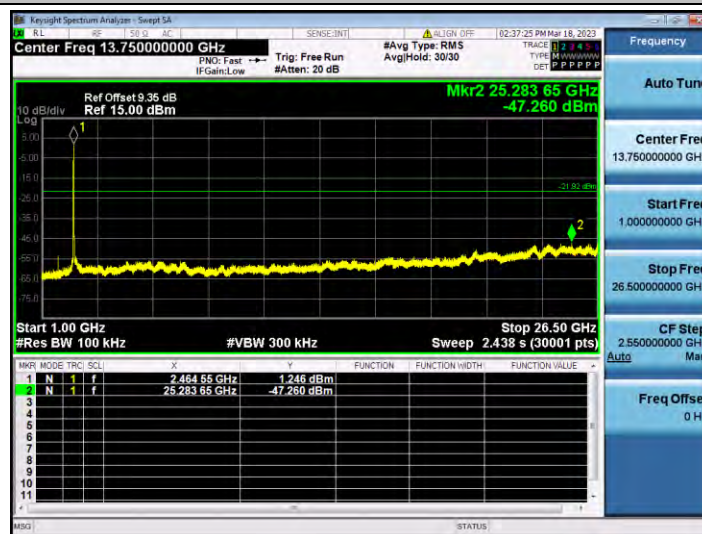
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



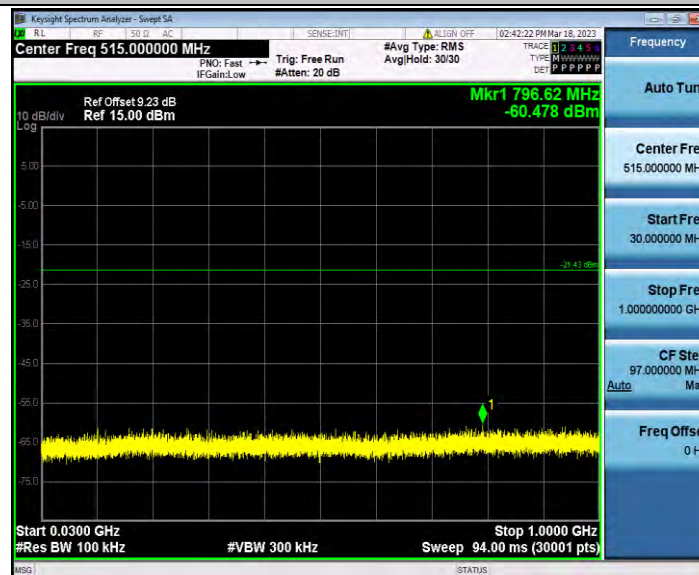
11G_Ant2_2462_1000~26500



11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



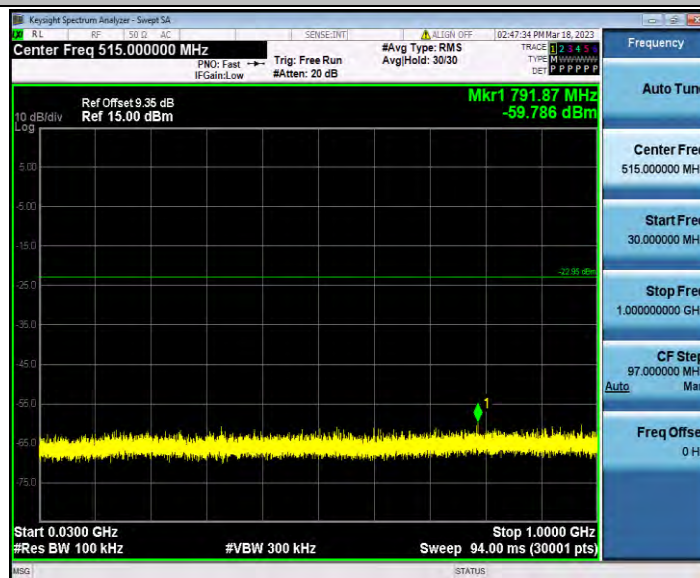
11N20SISO_Ant2_2412_1000~26500



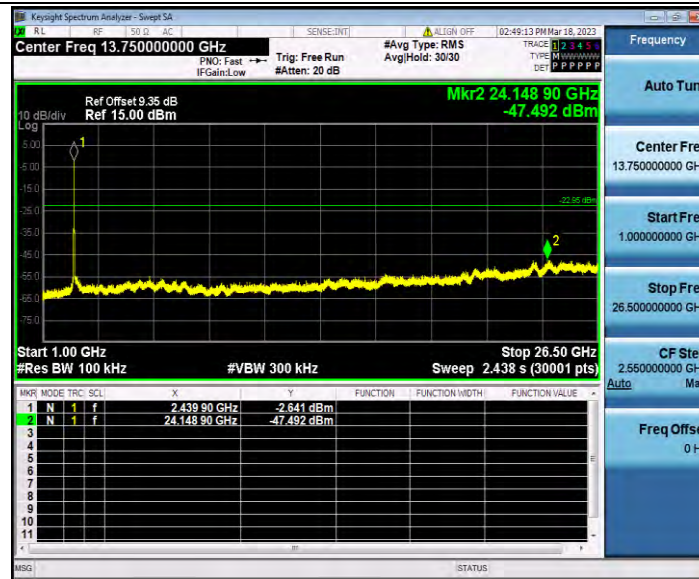
11N20SISO_Ant2_2437_0~Reference



11N20SISO_Ant2_2437_30~1000



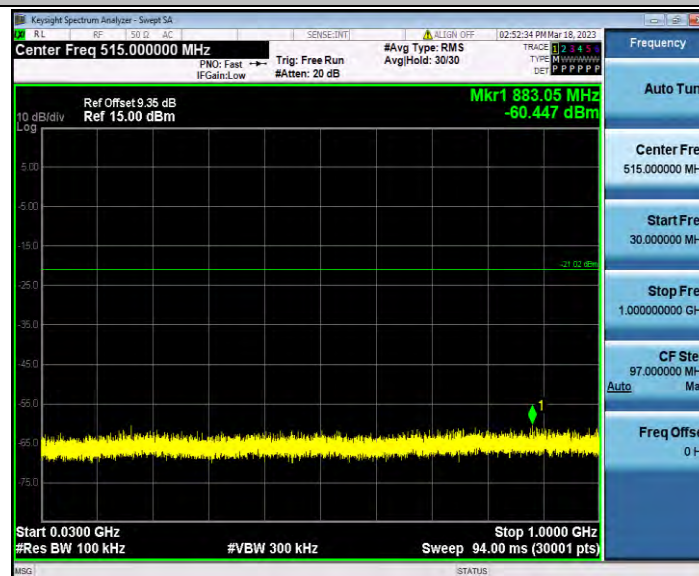
11N20SISO_Ant2_2437_1000~26500



11N20SISO_Ant2_2462_0~Reference



11N20SISO_Ant2_2462_30~1000



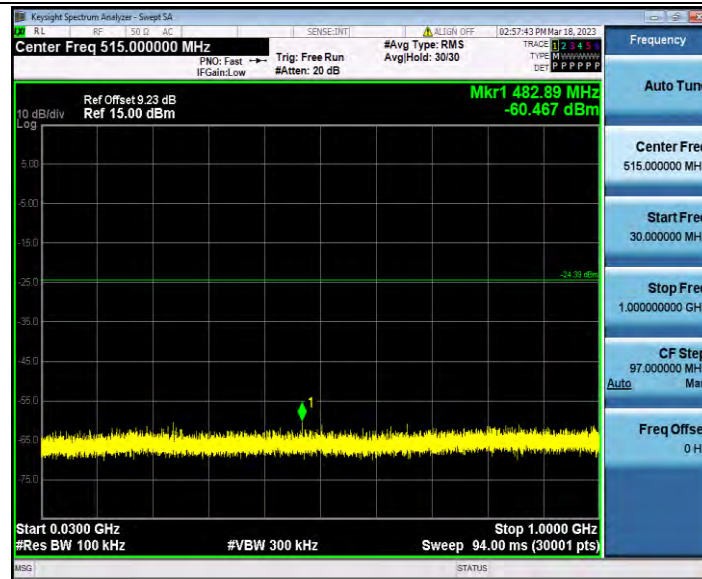
11N20SISO_Ant2_2462_1000~26500



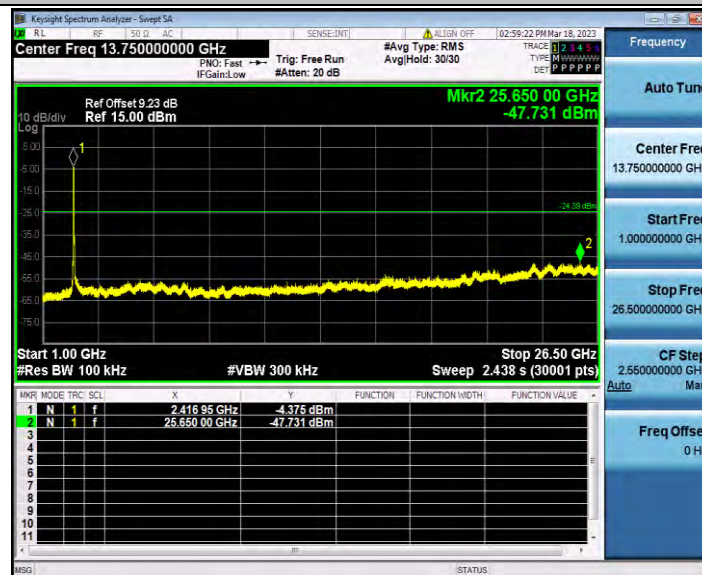
11N40SISO_Ant2_2422_0~Reference



11N40SISO_Ant2_2422_30~1000



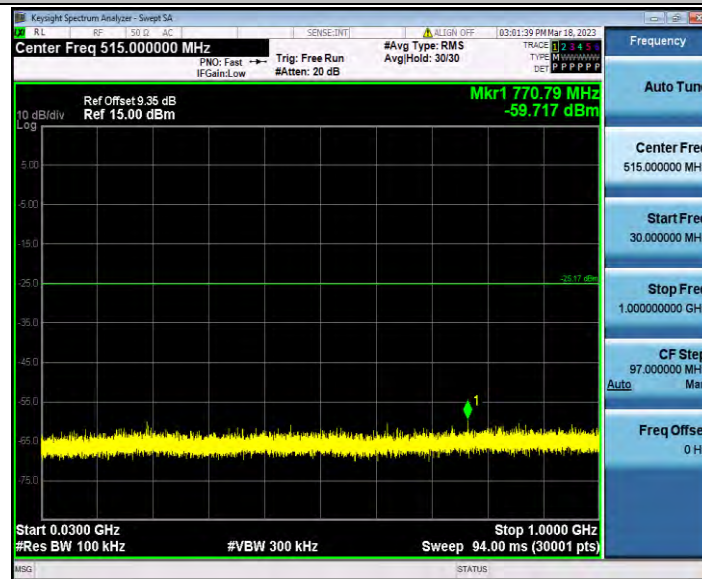
11N40SISO_Ant2_2422_1000~26500



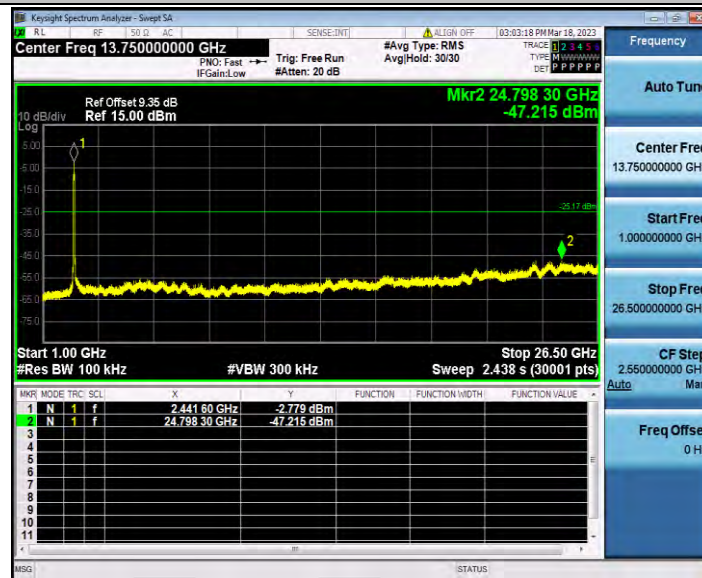
11N40SISO_Ant2_2437_0~Reference



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

