

Case No. : <u>GTS20221219016-1-3</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.1.4</u>	Test Engineer: <u>Jenny zeng</u>

Appendix C.1: DTS Bandwidth

Test Result

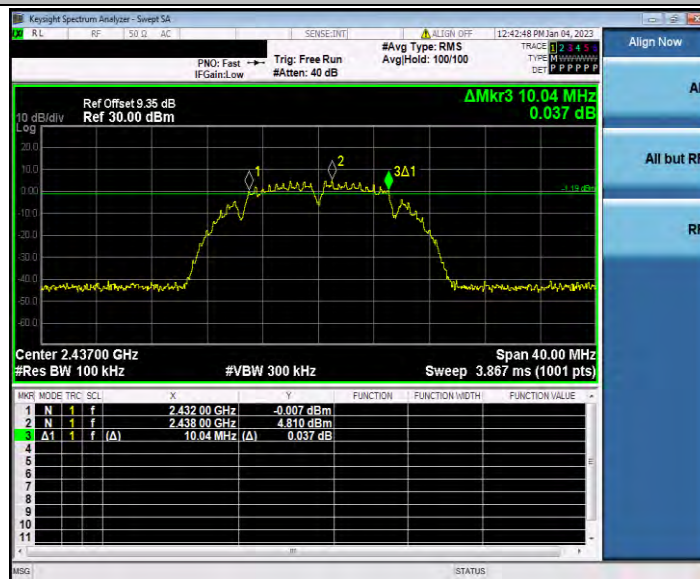
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.040	2432.000	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	13.840	2405.680	2419.520	0.5	PASS
		2437	15.600	2429.520	2445.120	0.5	PASS
		2462	15.040	2454.520	2469.560	0.5	PASS
11N20SISO	Ant1	2412	14.000	2406.360	2420.360	0.5	PASS
		2437	17.280	2428.480	2445.760	0.5	PASS
		2462	12.600	2454.520	2467.120	0.5	PASS
11N40SISO	Ant1	2422	33.840	2405.680	2439.520	0.5	PASS
		2437	29.760	2420.760	2450.520	0.5	PASS
		2452	32.560	2436.960	2469.520	0.5	PASS

Test Graphs

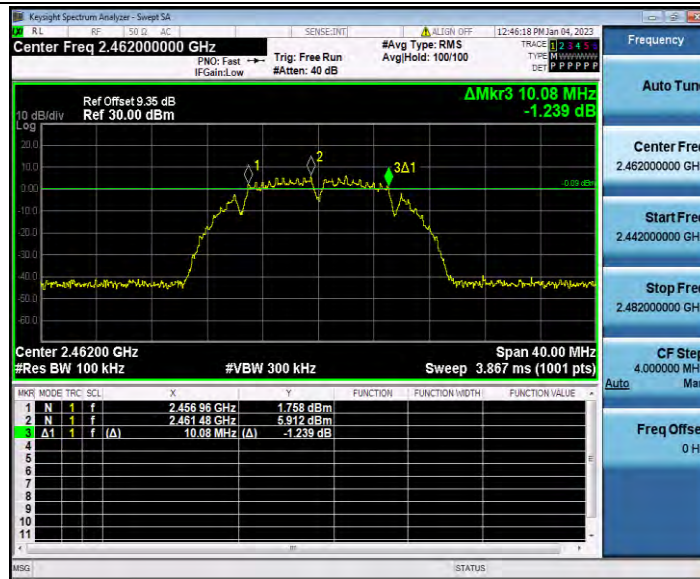
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



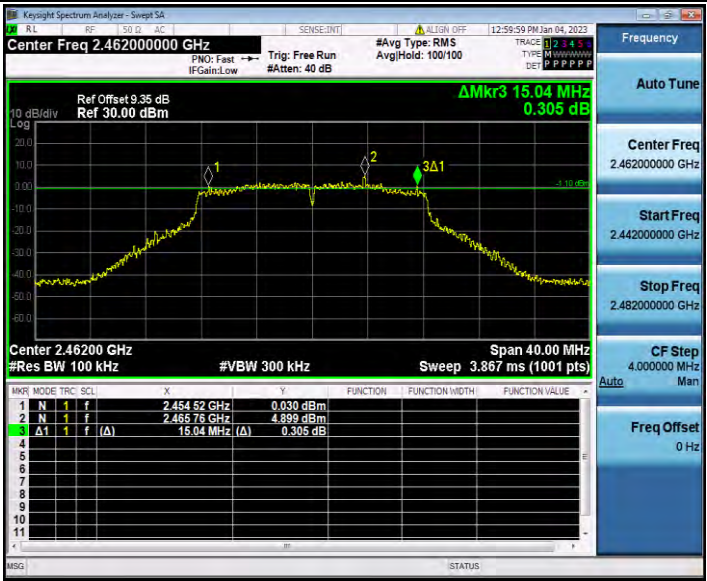
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



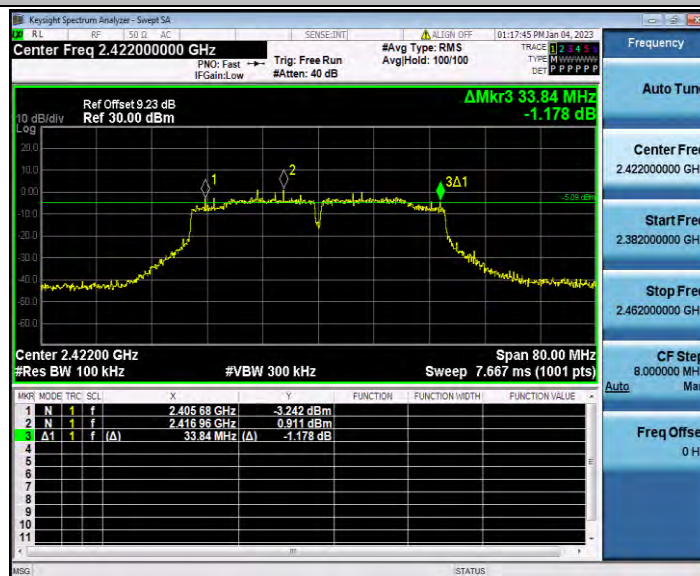
11N20SISO_Ant1_2437



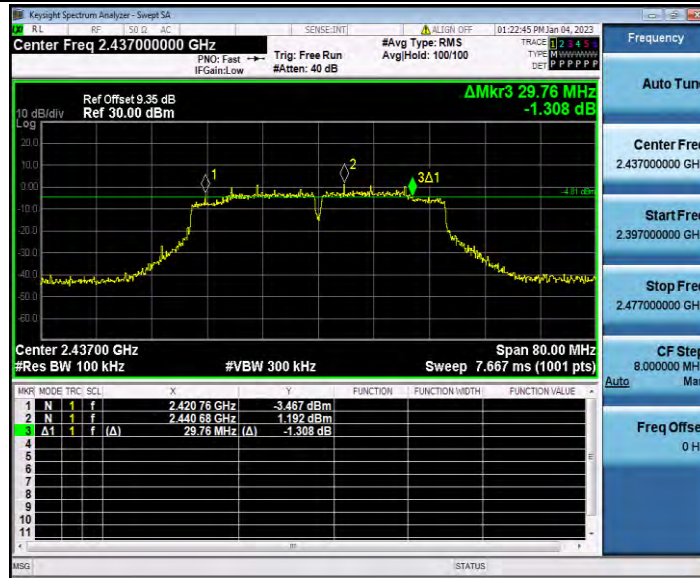
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



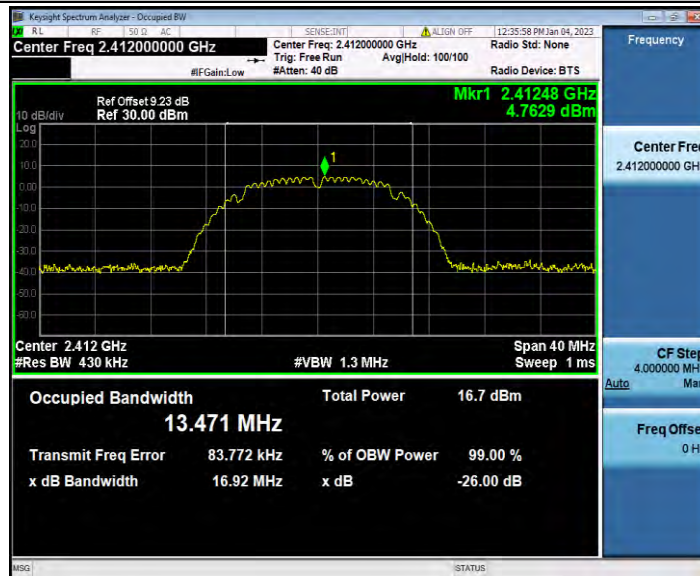
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.471	2405.348	2418.819	---	---
		2437	13.422	2430.335	2443.757	---	---
		2462	13.411	2455.267	2468.678	---	---
11G	Ant1	2412	16.893	2403.642	2420.535	---	---
		2437	16.868	2428.605	2445.473	---	---
		2462	16.766	2453.604	2470.370	---	---
11N20SISO	Ant1	2412	17.967	2403.109	2421.076	---	---
		2437	17.839	2428.101	2445.940	---	---
		2462	17.902	2453.023	2470.925	---	---
11N40SISO	Ant1	2422	36.037	2403.994	2440.031	---	---
		2437	36.036	2419.097	2455.133	---	---
		2452	36.006	2434.086	2470.092	---	---

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



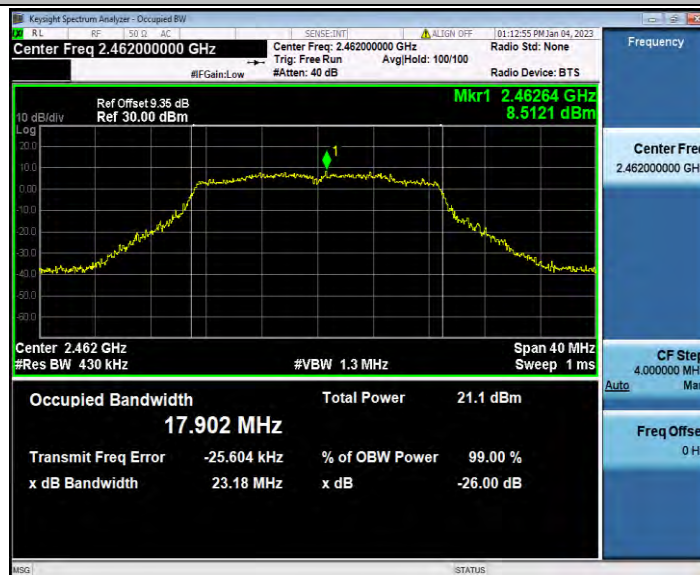
11N20SISO_Ant1_2412



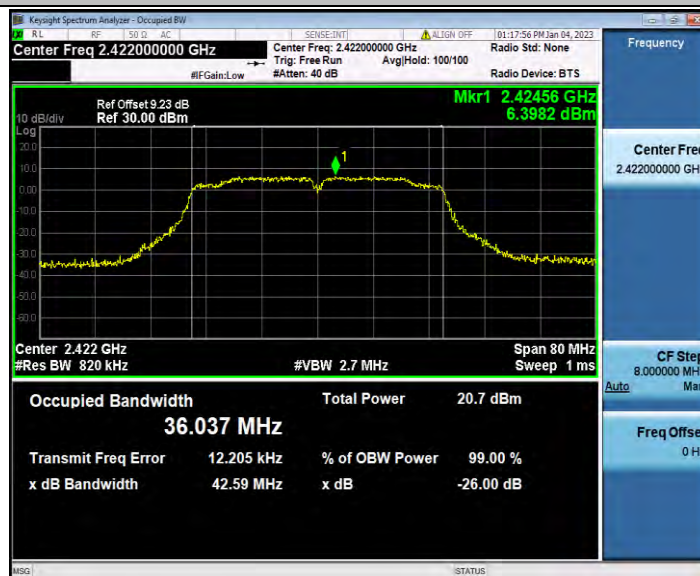
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



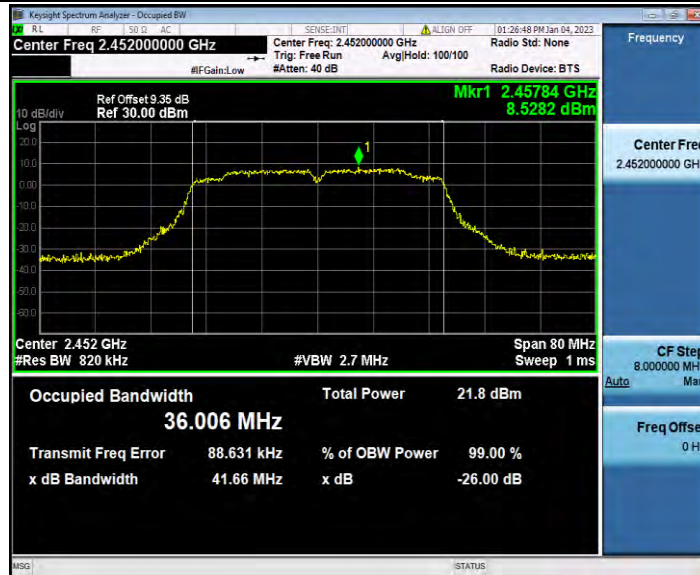
11N40SISO_Ant1_2422



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	16.78	≤30.00	PASS
		2437	17.25	≤30.00	PASS
		2462	18.24	≤30.00	PASS
11G	Ant1	2412	20.93	≤30.00	PASS
		2437	21.29	≤30.00	PASS
		2462	22.20	≤30.00	PASS
11N20SISO	Ant1	2412	20.65	≤30.00	PASS
		2437	21.14	≤30.00	PASS
		2462	22.07	≤30.00	PASS
11N40SISO	Ant1	2422	20.98	≤30.00	PASS
		2437	21.66	≤30.00	PASS
		2452	21.90	≤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	-9.73	≤8.00	PASS
		2437	-9.14	≤8.00	PASS
		2462	-8.33	≤8.00	PASS
11G	Ant1	2412	-11.3	≤8.00	PASS
		2437	-8.96	≤8.00	PASS
		2462	-9.46	≤8.00	PASS
11N20SISO	Ant1	2412	-10.89	≤8.00	PASS
		2437	-10.49	≤8.00	PASS
		2462	-8.86	≤8.00	PASS
11N40SISO	Ant1	2422	-14.32	≤8.00	PASS
		2437	-12.39	≤8.00	PASS
		2452	-12.91	≤8.00	PASS

Test Graphs

11B_Ant1_2412



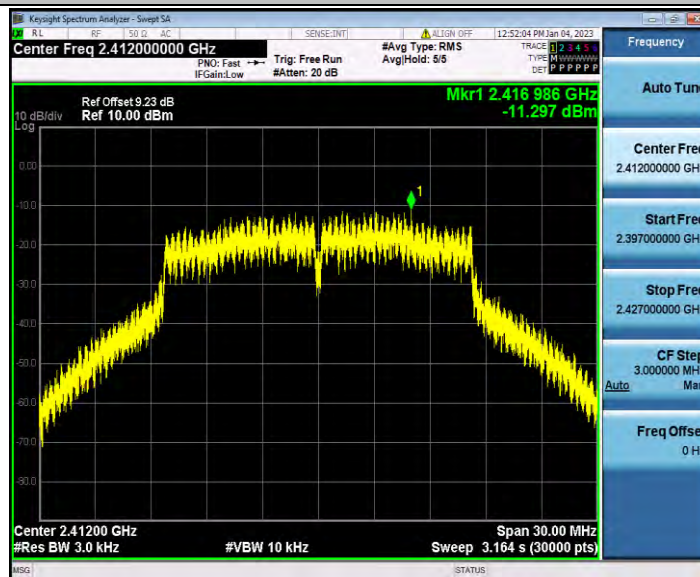
11B_Ant1_2437



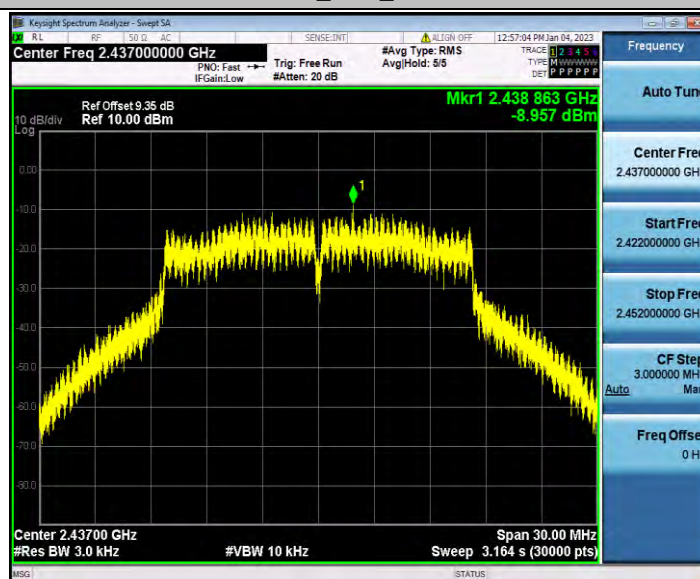
11B_Ant1_2462



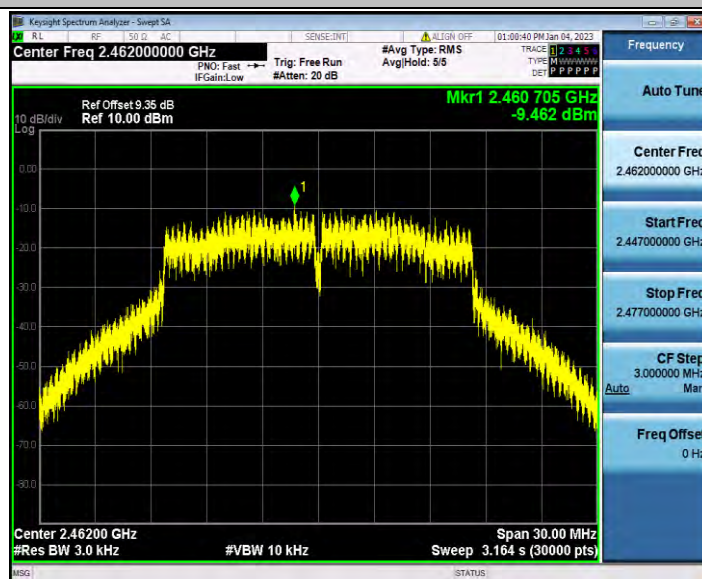
11G_Ant1_2412



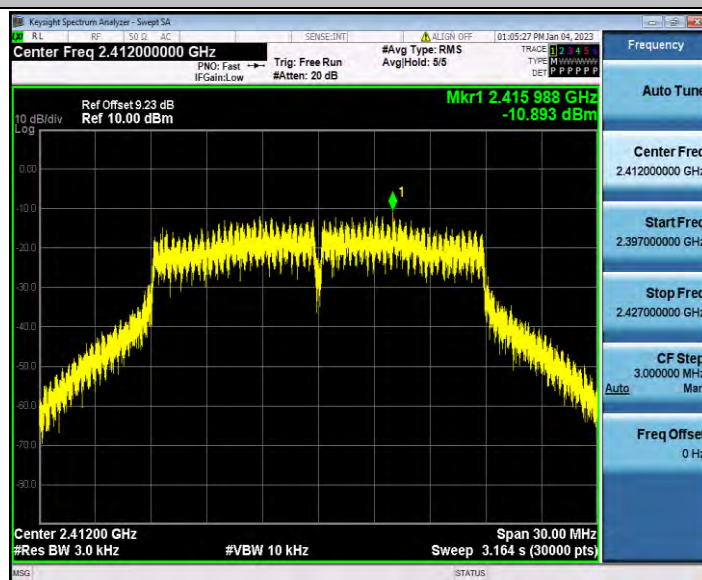
11G_Ant1_2437



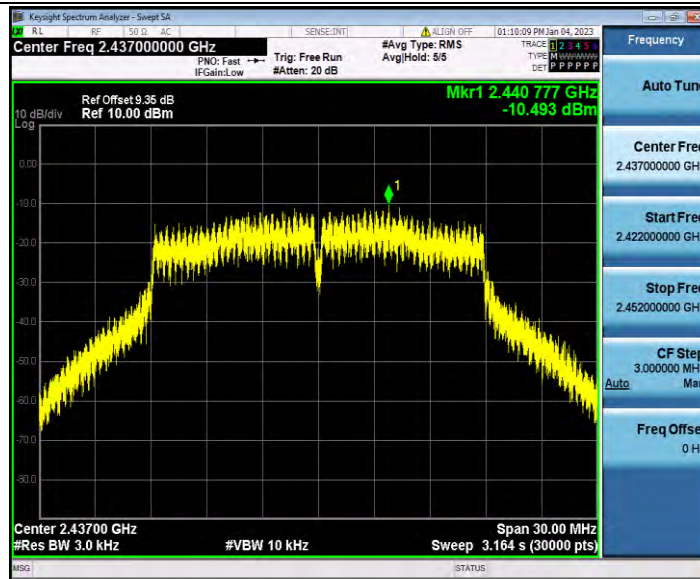
11G_Ant1_2462



11N20SISO_Ant1_2412



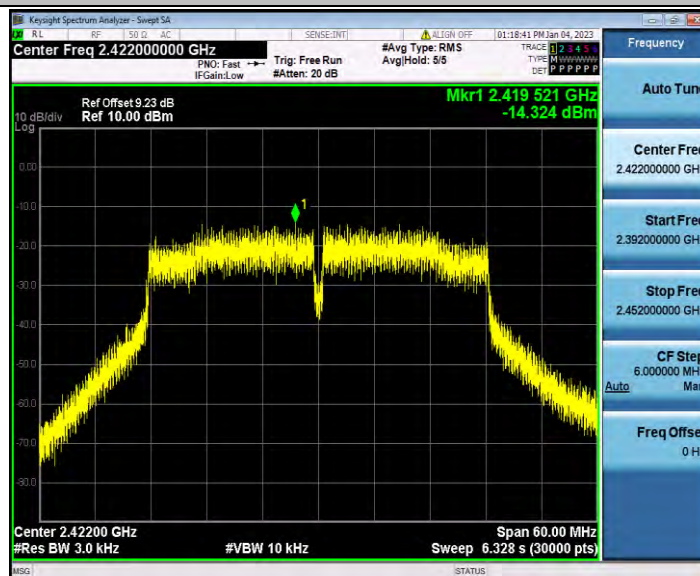
11N20SISO_Ant1_2437



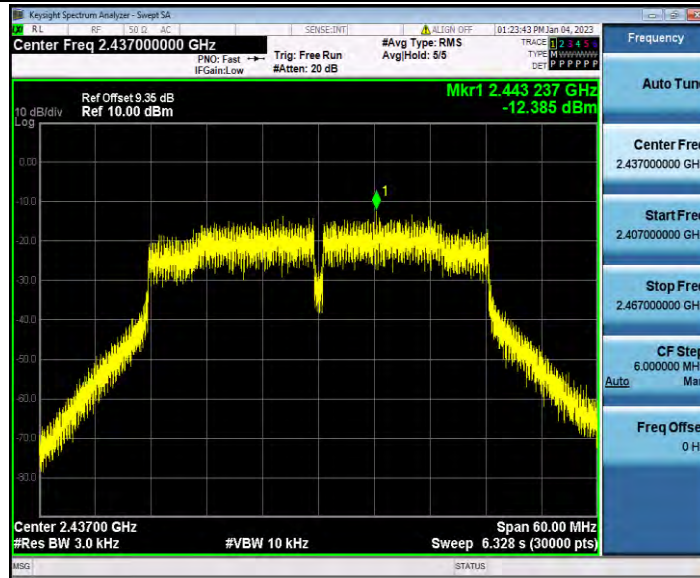
11N20SISO_Ant1_2462



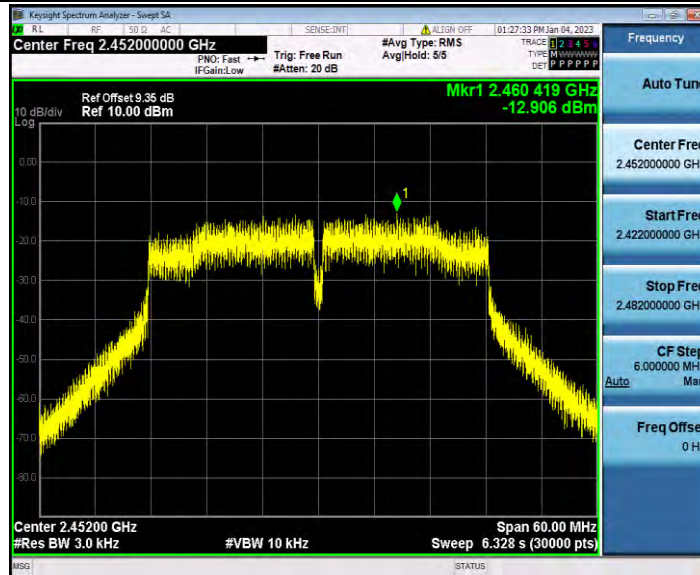
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



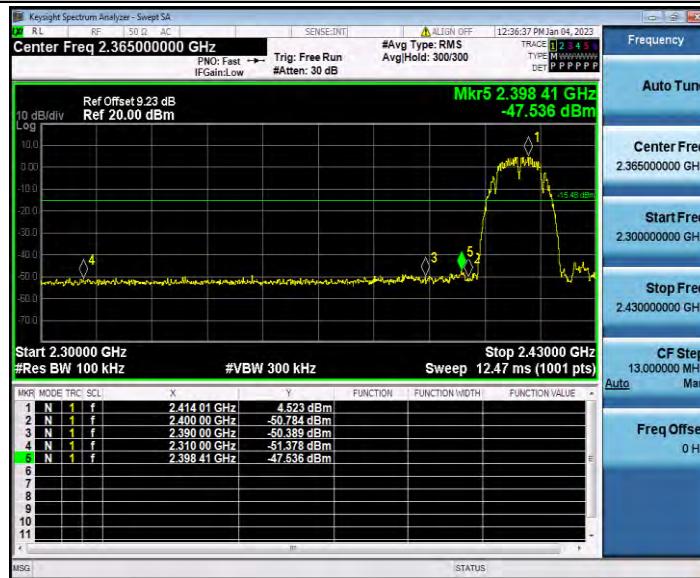
Appendix C.5: Band edge measurements

Test Result

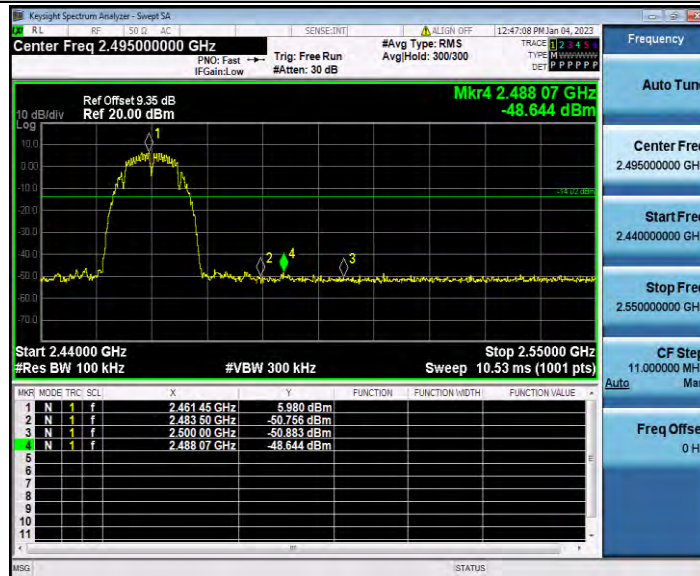
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.52	-47.54	≤-15.48	PASS
		High	2462	5.98	-48.64	≤-14.02	PASS
11G	Ant1	Low	2412	3.18	-27.82	≤-16.82	PASS
		High	2462	5.17	-49.12	≤-14.83	PASS
11N20SISO	Ant1	Low	2412	4.18	-27.62	≤-15.82	PASS
		High	2462	4.99	-49.25	≤-15.01	PASS
11N40SISO	Ant1	Low	2422	0.54	-27.21	≤-19.46	PASS
		High	2452	1.94	-42.4	≤-18.07	PASS

Test Graphs

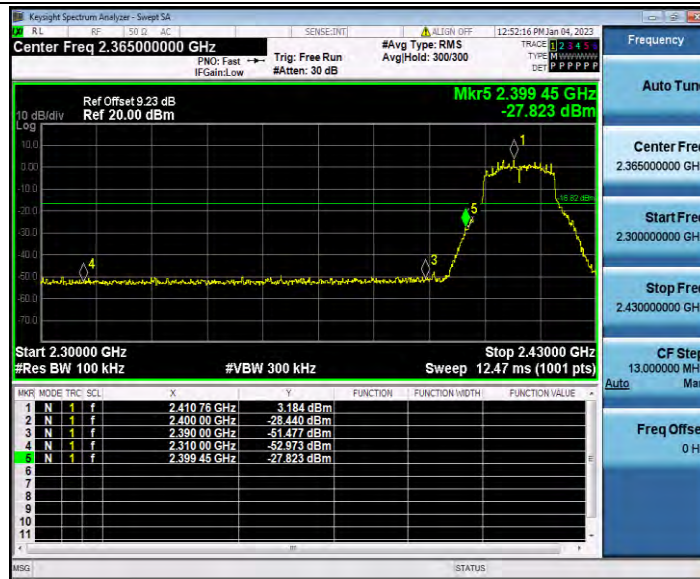
11B_Ant1_Low_2412



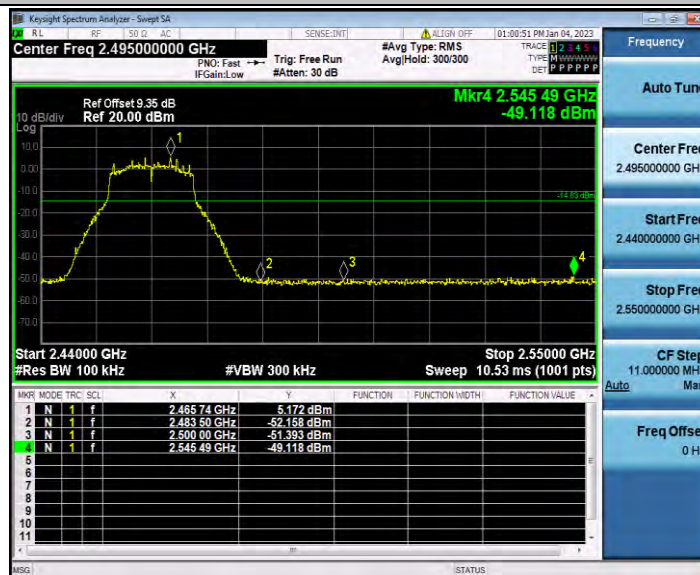
11B_Ant1_High_2462



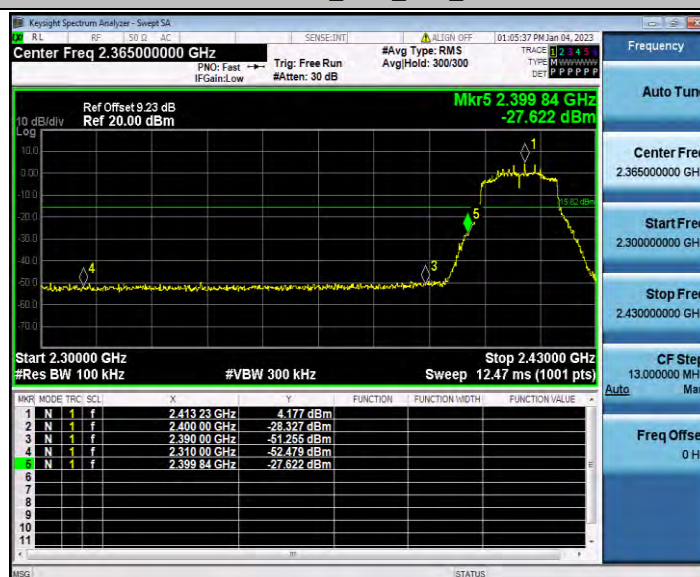
11G_Ant1_Low_2412



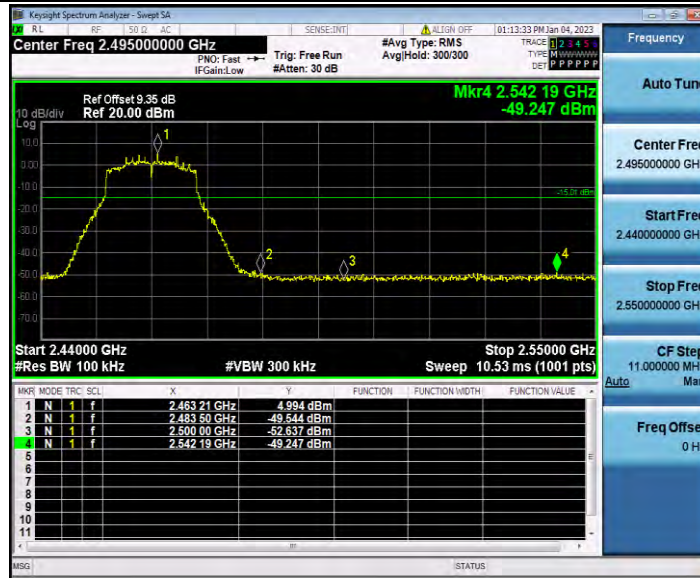
11G_Ant1_High_2462



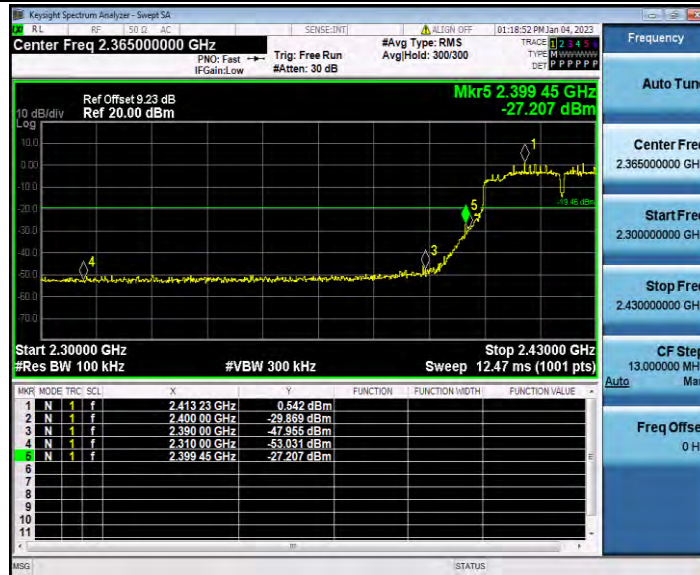
11N20SISO_Ant1_Low_2412



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	3.13	3.13	---	PASS
			30~1000	3.13	-59.93	≤ -16.87	PASS
			1000~26500	3.13	-47.85	≤ -16.87	PASS
		2437	Reference	5.01	5.01	---	PASS
			30~1000	5.01	-59.77	≤ -14.99	PASS
			1000~26500	5.01	-47.67	≤ -14.99	PASS
		2462	Reference	5.54	5.54	---	PASS
			30~1000	5.54	-59.17	≤ -14.46	PASS
			1000~26500	5.54	-47.62	≤ -14.46	PASS
11G	Ant1	2412	Reference	3.03	3.03	---	PASS
			30~1000	3.03	-60.25	≤ -16.97	PASS
			1000~26500	3.03	-47.97	≤ -16.97	PASS
		2437	Reference	3.23	3.23	---	PASS
			30~1000	3.23	-60.37	≤ -16.77	PASS
			1000~26500	3.23	-47.83	≤ -16.77	PASS
		2462	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-60.07	≤ -17.01	PASS
			1000~26500	2.99	-47.92	≤ -17.01	PASS
11N20SISO	Ant1	2412	Reference	0.49	0.49	---	PASS
			30~1000	0.49	-60.47	≤ -19.51	PASS
			1000~26500	0.49	-48	≤ -19.51	PASS
		2437	Reference	-0.01	-0.01	---	PASS
			30~1000	-0.01	-60.55	≤ -20.01	PASS
			1000~26500	-0.01	-47.34	≤ -20.01	PASS
		2462	Reference	2.88	2.88	---	PASS
			30~1000	2.88	-59.87	≤ -17.12	PASS
			1000~26500	2.88	-47.22	≤ -17.12	PASS
11N40SISO	Ant1	2422	Reference	0.45	0.45	---	PASS
			30~1000	0.45	-60.83	≤ -19.55	PASS
			1000~26500	0.45	-47.19	≤ -19.55	PASS
		2437	Reference	-1.97	-1.97	---	PASS
			30~1000	-1.97	-59.69	≤ -21.97	PASS
			1000~26500	-1.97	-47.82	≤ -21.97	PASS
		2452	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-59.88	≤ -21.92	PASS
			1000~26500	-1.92	-47.16	≤ -21.92	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



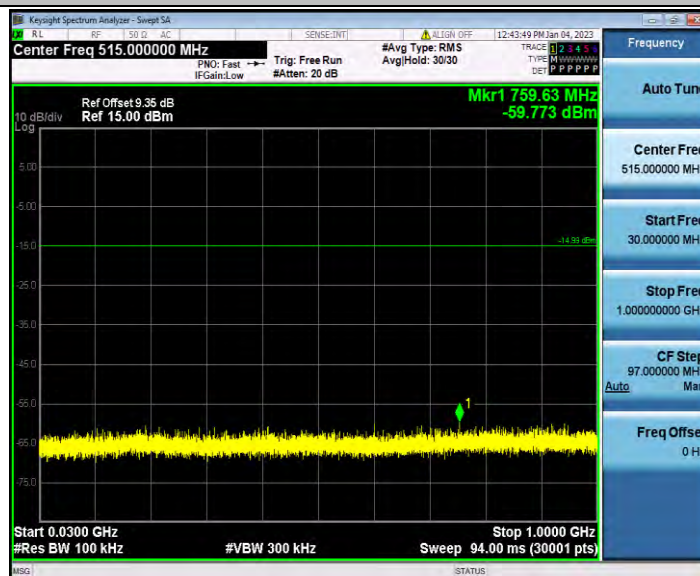
11B_Ant1_2412_1000~26500



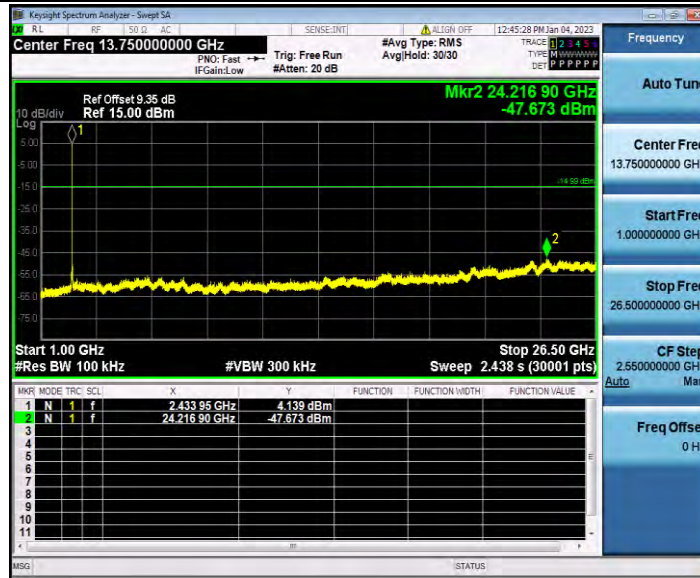
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



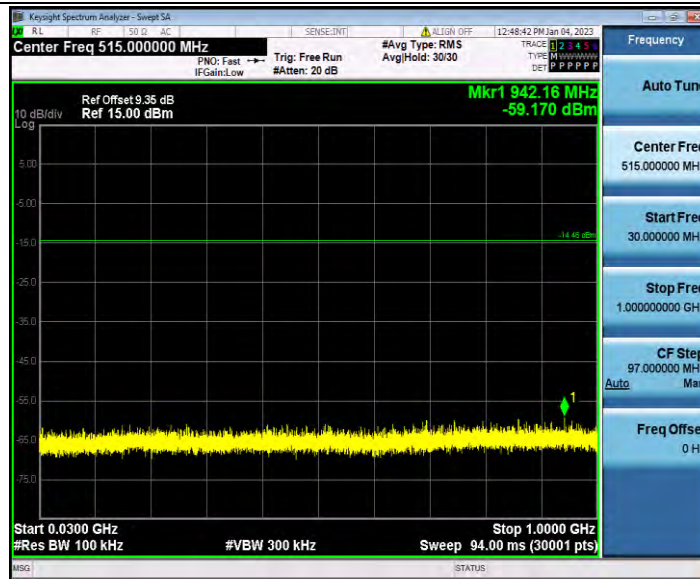
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



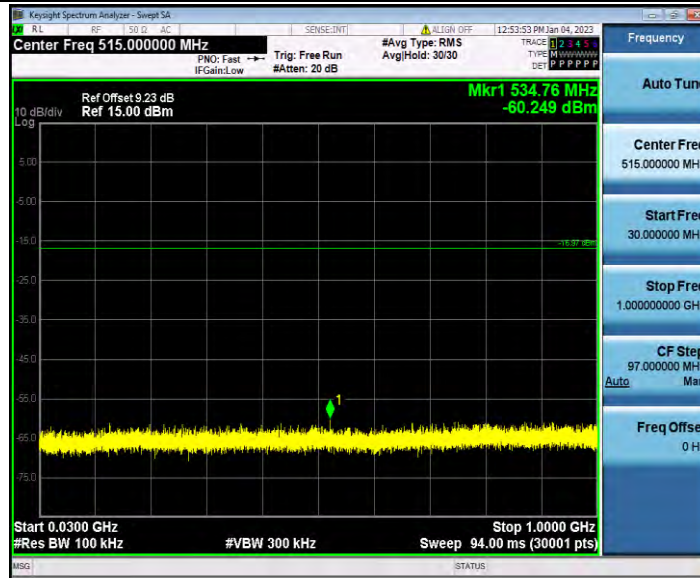
11B_Ant1_2462_1000~26500



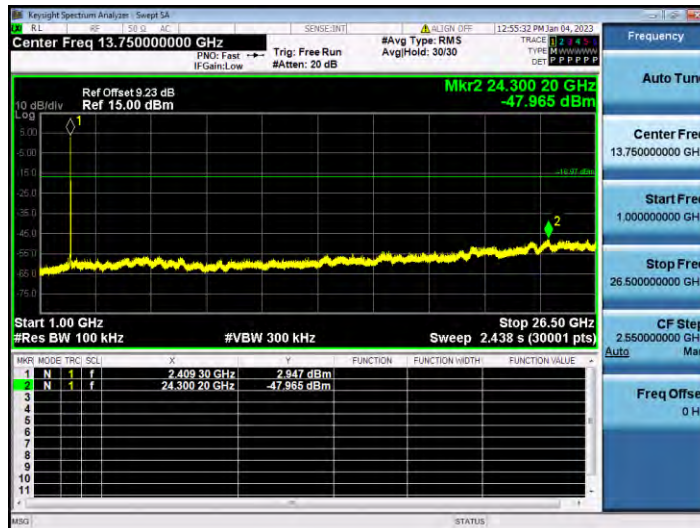
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



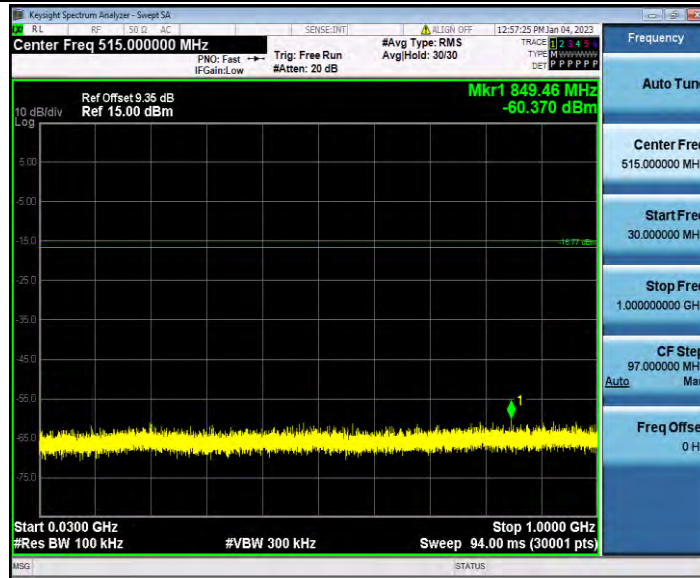
11G_Ant1_2412_1000~26500



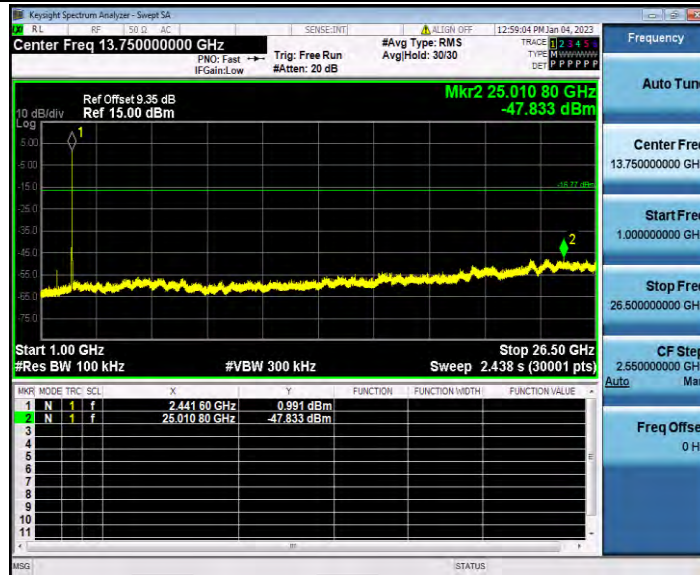
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



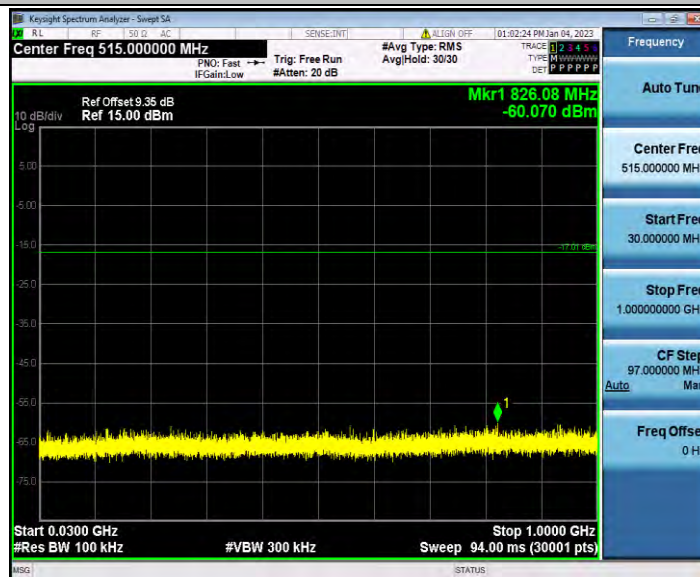
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



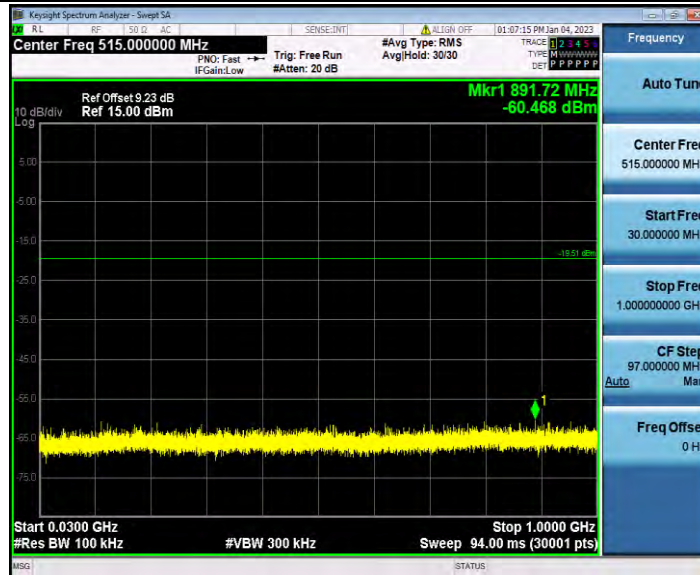
11G_Ant1_2462_1000~26500



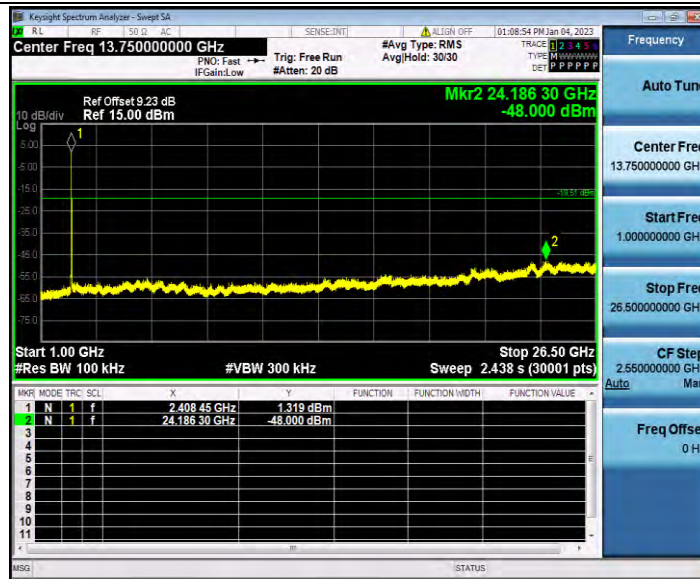
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



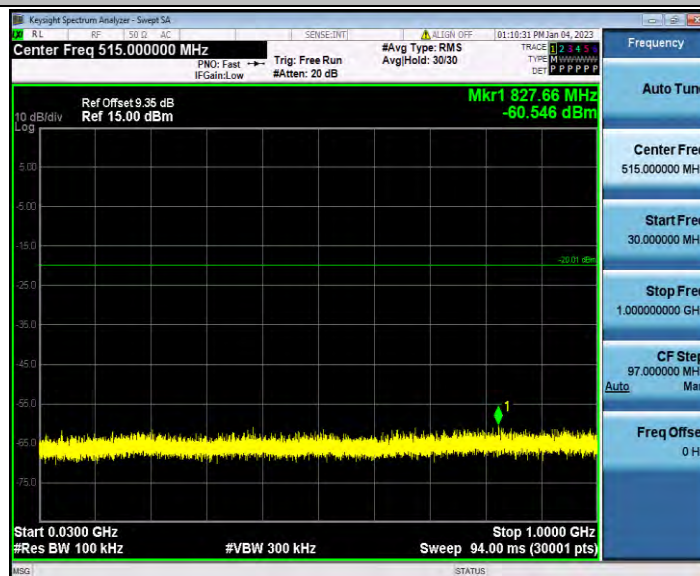
11N20SISO_Ant1_2412_1000~26500



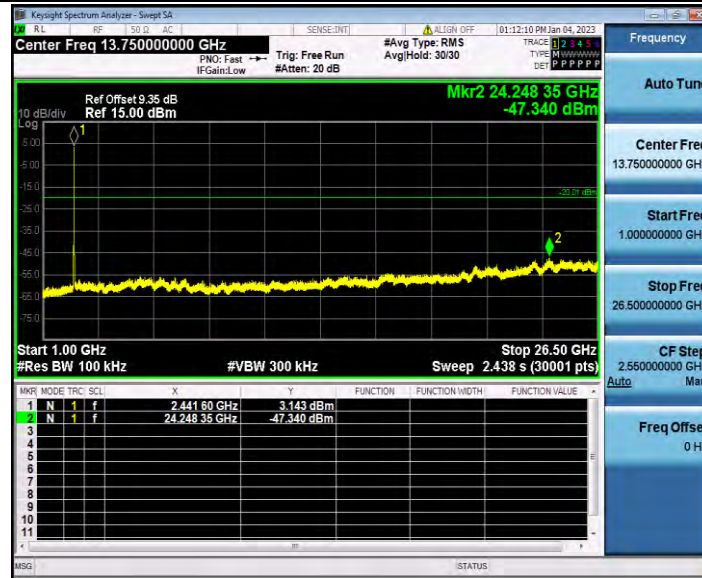
11N20SISO_Ant1_2437_0~Reference



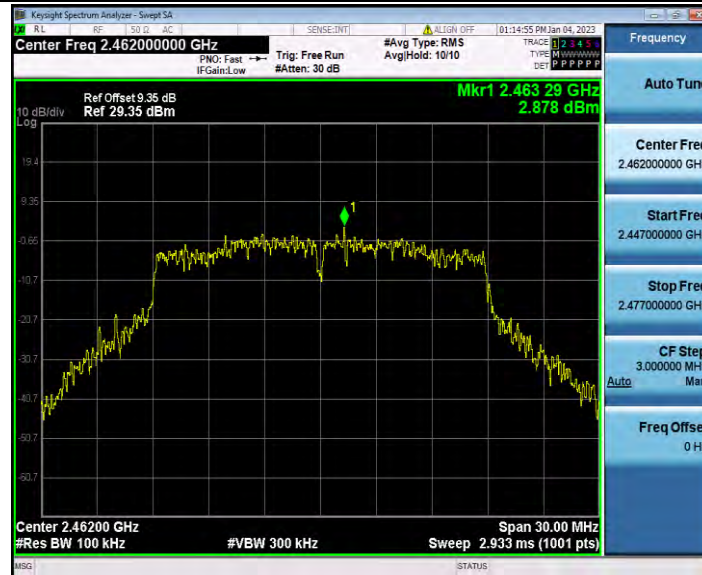
11N20SISO_Ant1_2437_30~1000



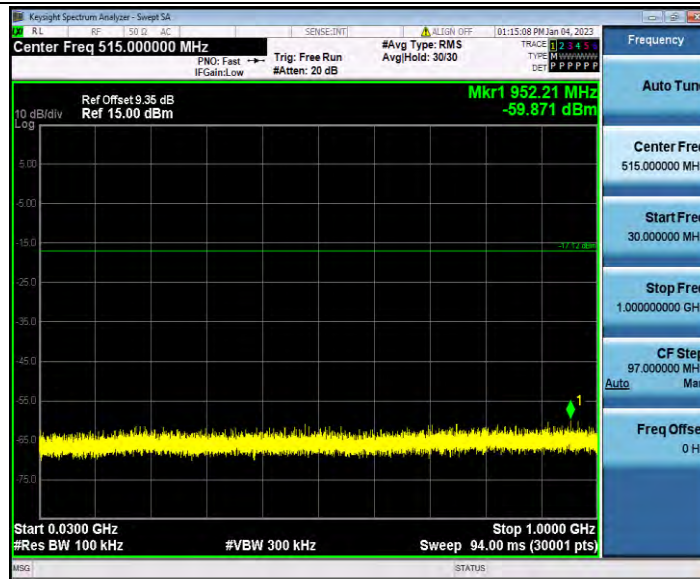
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



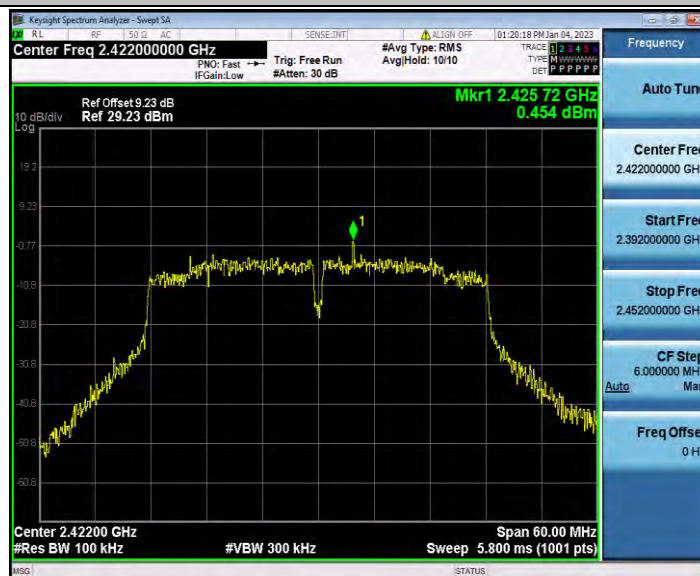
11N20SISO_Ant1_2462_30~1000



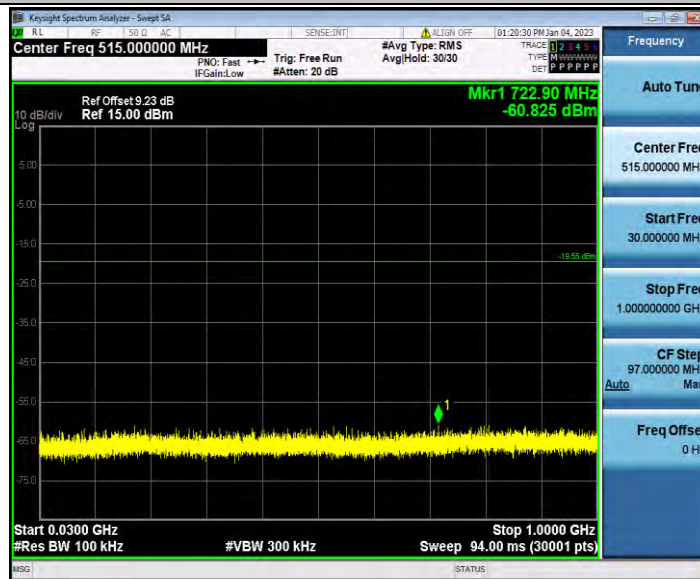
11N20SISO_Ant1_2462_1000~26500



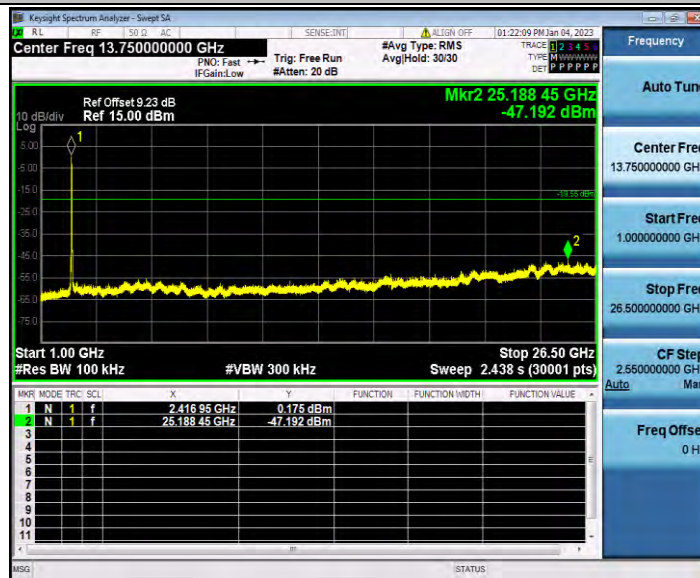
11N40SISO_Ant1_2422_0~Reference



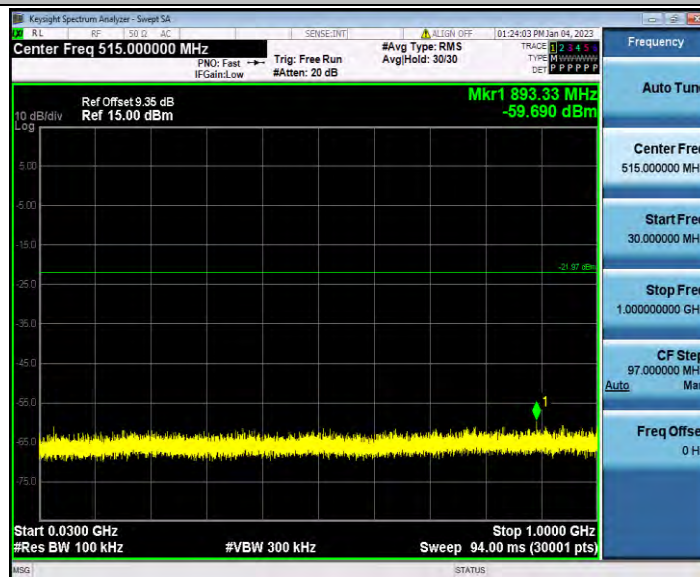
11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



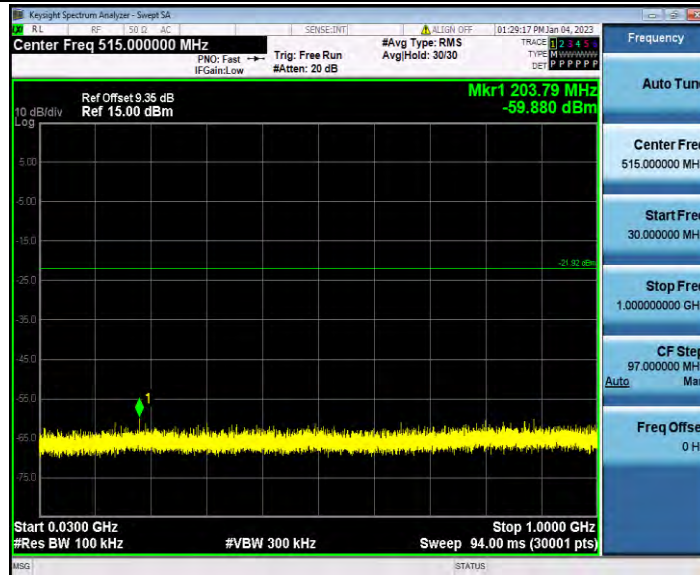
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

