

Case No. : <u>GTS20240320024-1-12</u>	
Ambient Condition: <u>23</u> °C, <u>51</u> %RH,	
Test Date: <u>2024.4.22</u>	Test Engineer: <u>Evan ouyang</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	8.560	2407.480	2416.040	0.5	PASS
		2437	8.080	2432.960	2441.040	0.5	PASS
		2462	7.960	2458.040	2466.000	0.5	PASS
11G	Ant2	2412	15.080	2404.440	2419.520	0.5	PASS
		2437	15.240	2429.240	2444.480	0.5	PASS
		2462	14.400	2453.840	2468.240	0.5	PASS
11N20SISO	Ant2	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.400	2429.120	2444.520	0.5	PASS
		2462	16.320	2453.240	2469.560	0.5	PASS
11N40SISO	Ant2	2422	35.440	2404.480	2439.920	0.5	PASS
		2437	32.560	2419.480	2452.040	0.5	PASS
		2452	35.120	2434.480	2469.600	0.5	PASS

Test Graphs

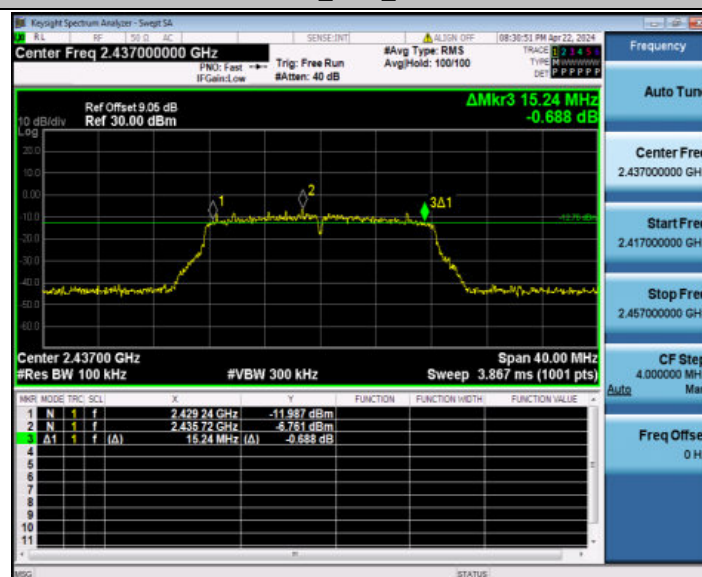




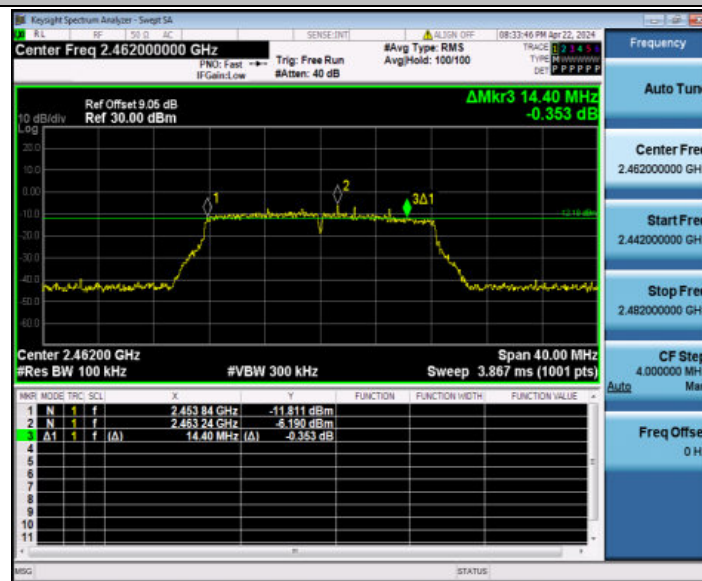
11G_Ant2_2412



11G_Ant2_2437



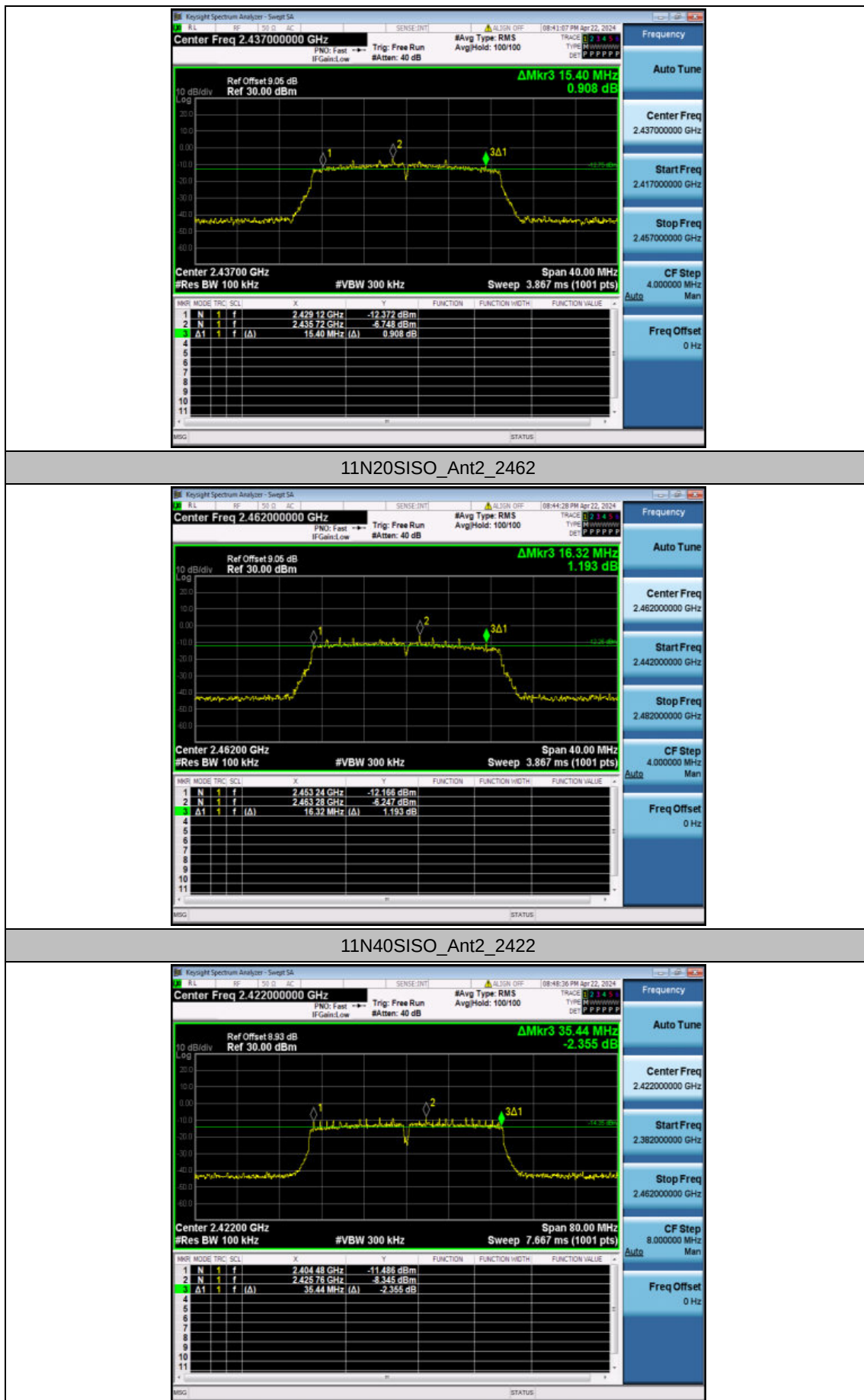
11G_Ant2_2462



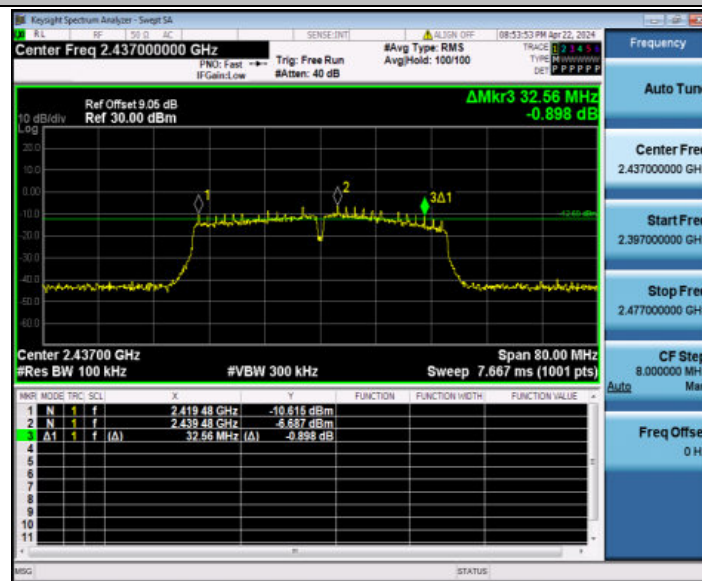
11N20SISO_Ant2_2412



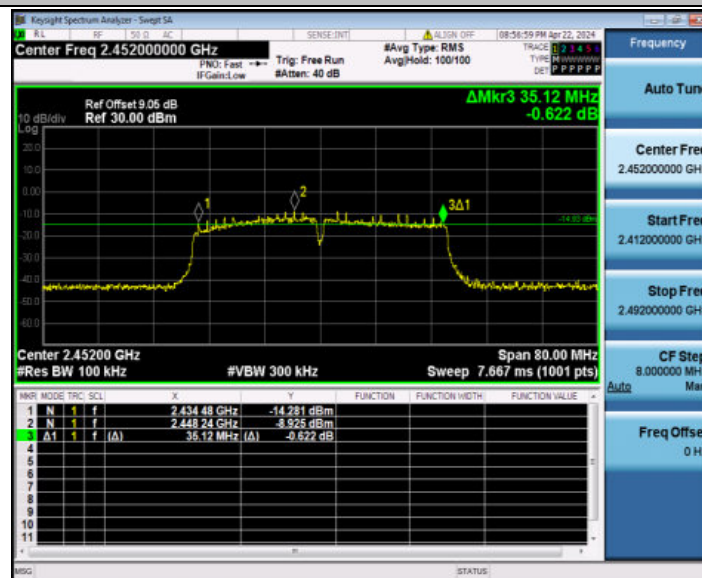
11N20SISO_Ant2_2437



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

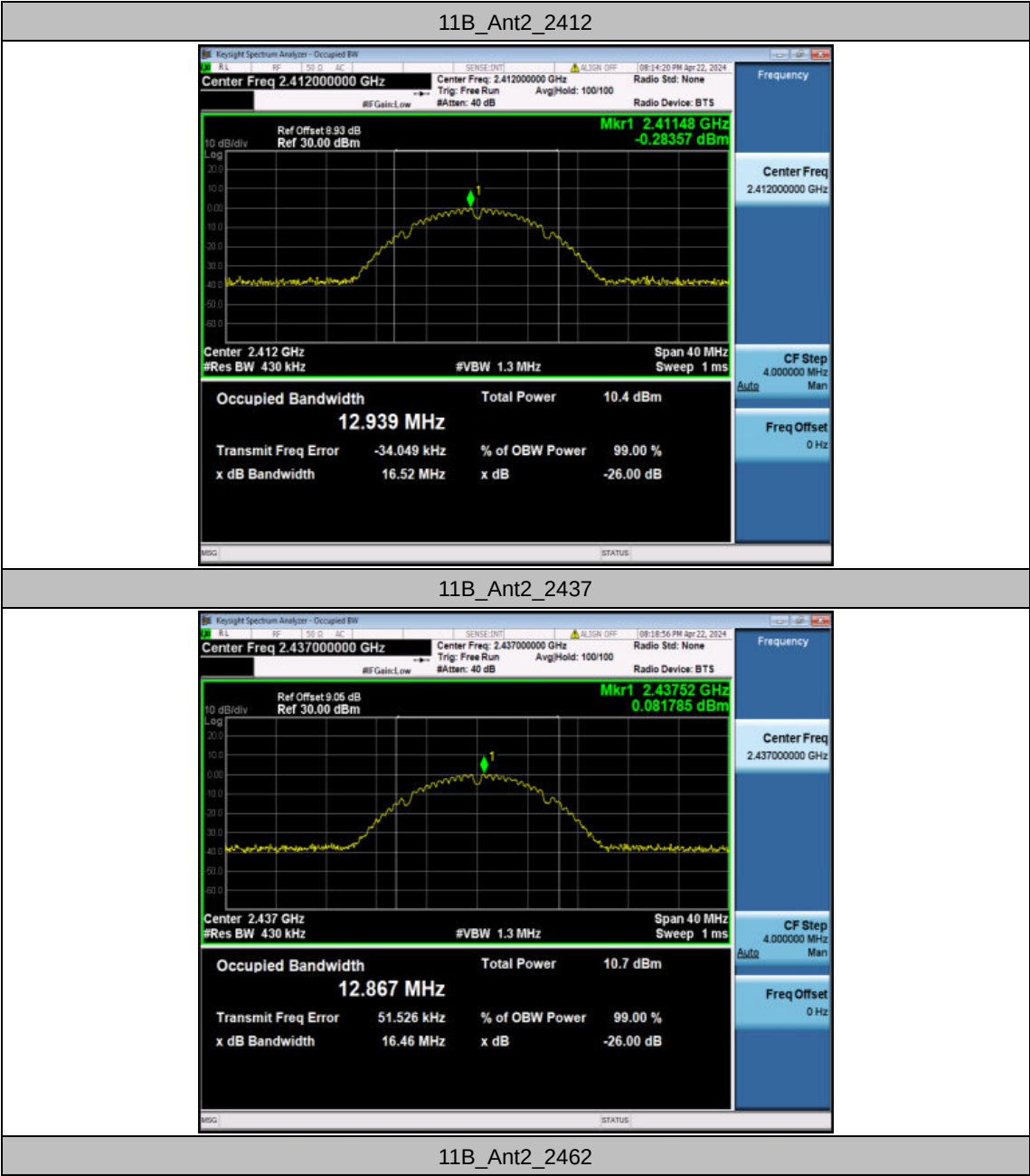


Appendix C.2: Occupied Channel Bandwidth

Test Result

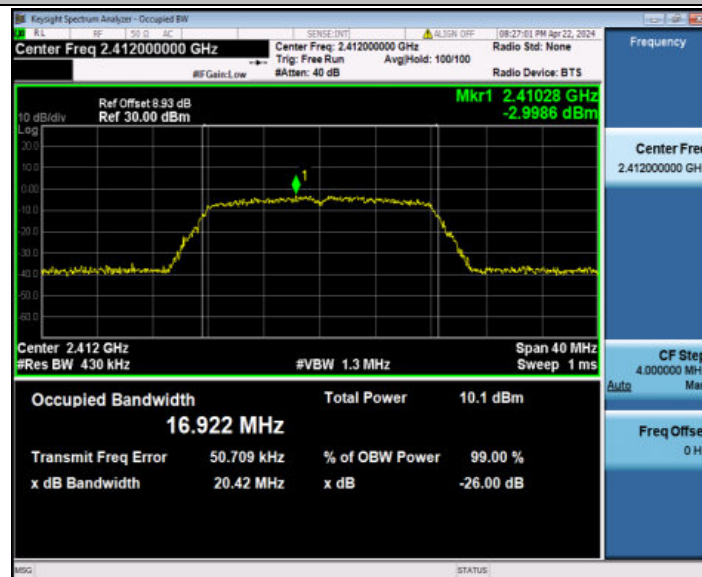
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.939	2405.4965	2418.4355	---	---
		2437	12.867	2430.6180	2443.4850	---	---
		2462	13.098	2455.3236	2468.4216	---	---
11G	Ant2	2412	16.922	2403.5897	2420.5117	---	---
		2437	16.911	2428.5036	2445.4146	---	---
		2462	17.056	2453.3439	2470.3999	---	---
11N20SISO	Ant2	2412	17.856	2403.0980	2420.9540	---	---
		2437	17.848	2428.0672	2445.9152	---	---
		2462	18.012	2452.9118	2470.9238	---	---
11N40SISO	Ant2	2422	36.528	2403.8611	2440.3891	---	---
		2437	35.999	2418.8267	2454.8257	---	---
		2452	36.203	2434.1476	2470.3506	---	---

Test Graphs

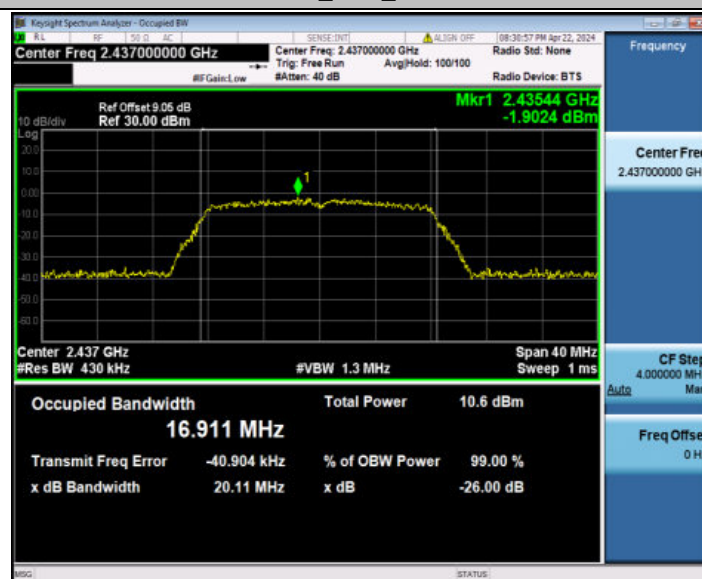




11G_Ant2_2412



11G_Ant2_2437



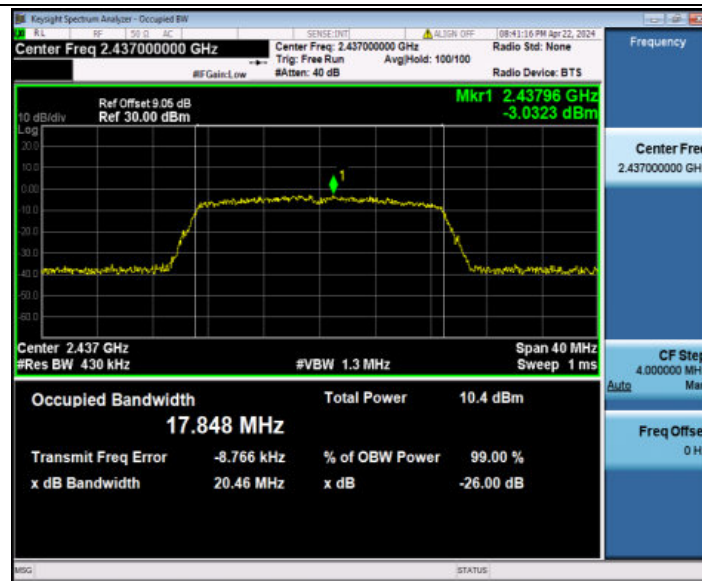
11G_Ant2_2462



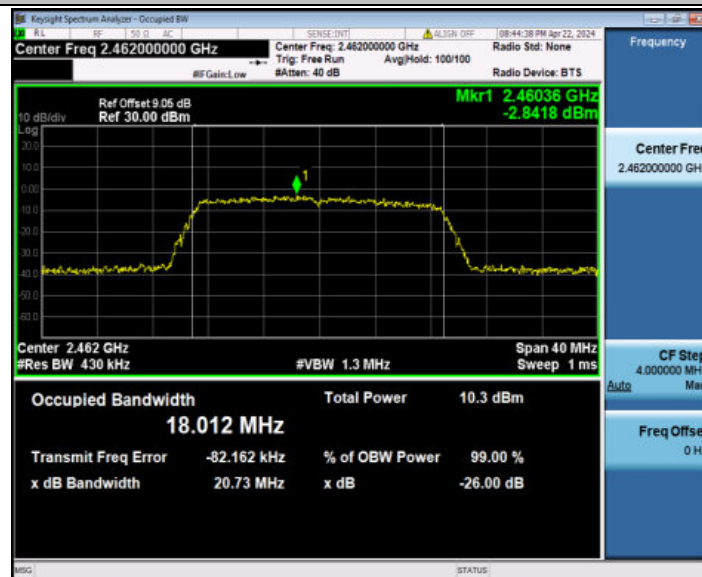
11N20SISO_Ant2_2412



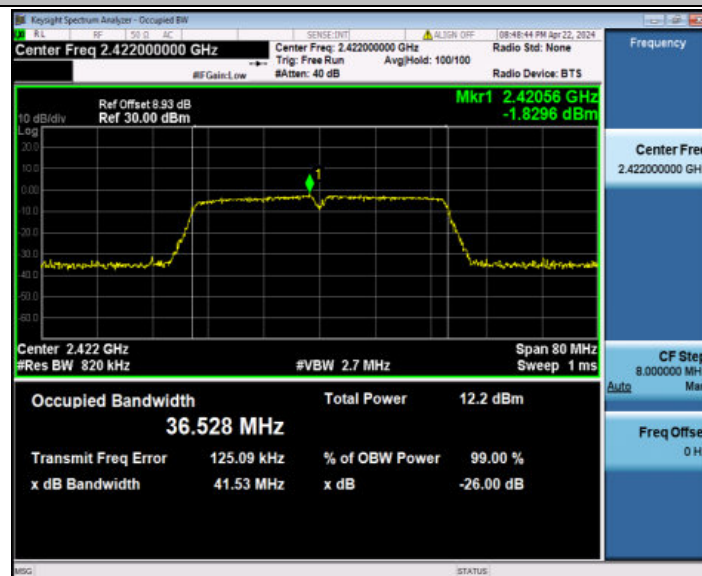
11N20SISO_Ant2_2437

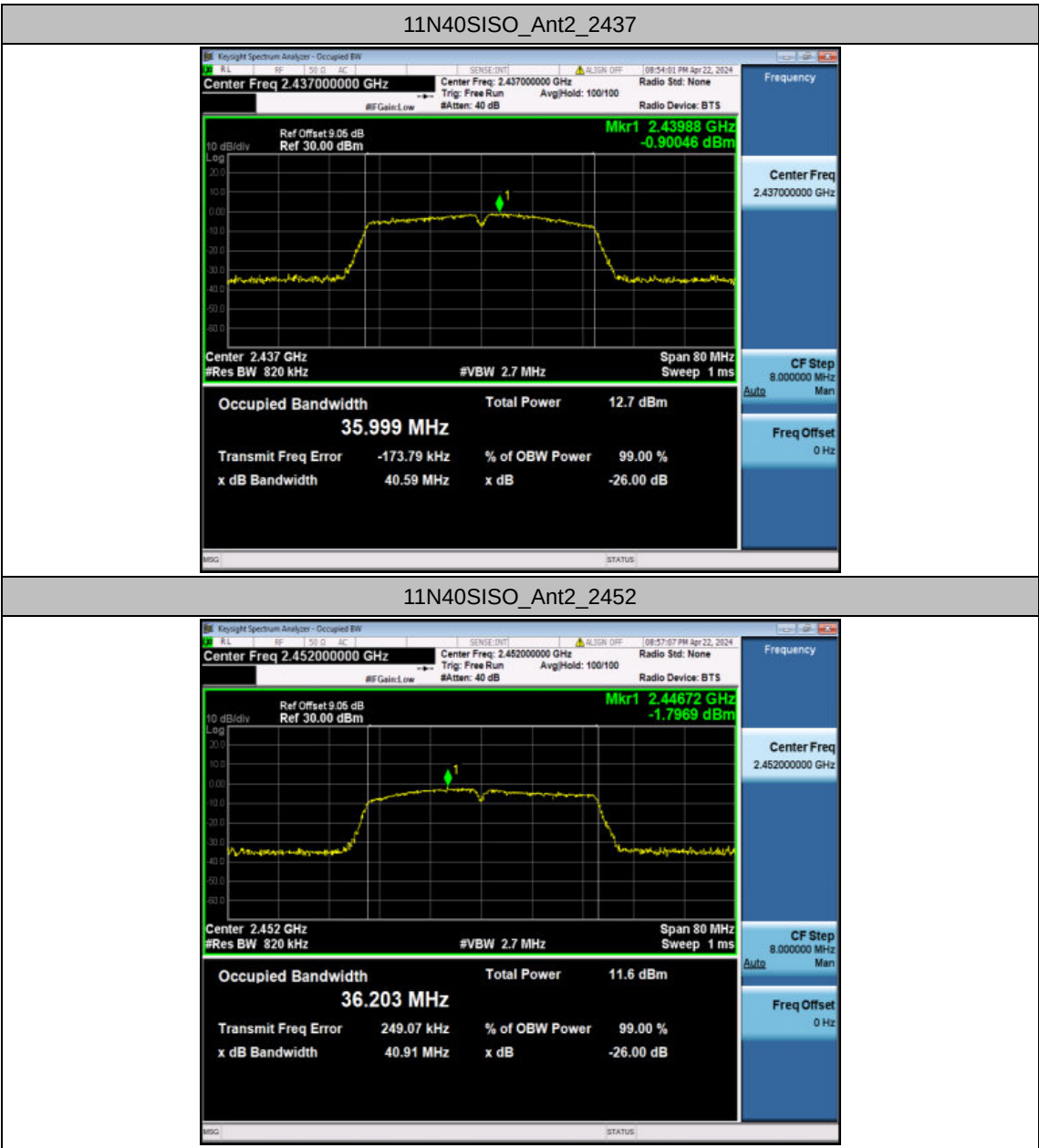


11N20SISO_Ant2_2462



11N40SISO_Ant2_2422





Appendix C.3: Maximum conducted output power

Test Result -CHP

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	8.72	≤30.00	PASS
		2437	8.32	≤30.00	PASS
		2462	8.86	≤30.00	PASS
11G	Ant2	2412	8.85	≤30.00	PASS
		2437	8.48	≤30.00	PASS
		2462	8.93	≤30.00	PASS
11N20SISO	Ant2	2412	8.78	≤30.00	PASS
		2437	8.36	≤30.00	PASS
		2462	8.84	≤30.00	PASS
11N40SISO	Ant2	2422	8.10	≤30.00	PASS
		2437	8.64	≤30.00	PASS
		2452	8.06	≤30.00	PASS

Note:

1.The Duty Cycle Factor and RBW Factor is compensated in the datC.

Appendix C.4: Maximum power spectral density

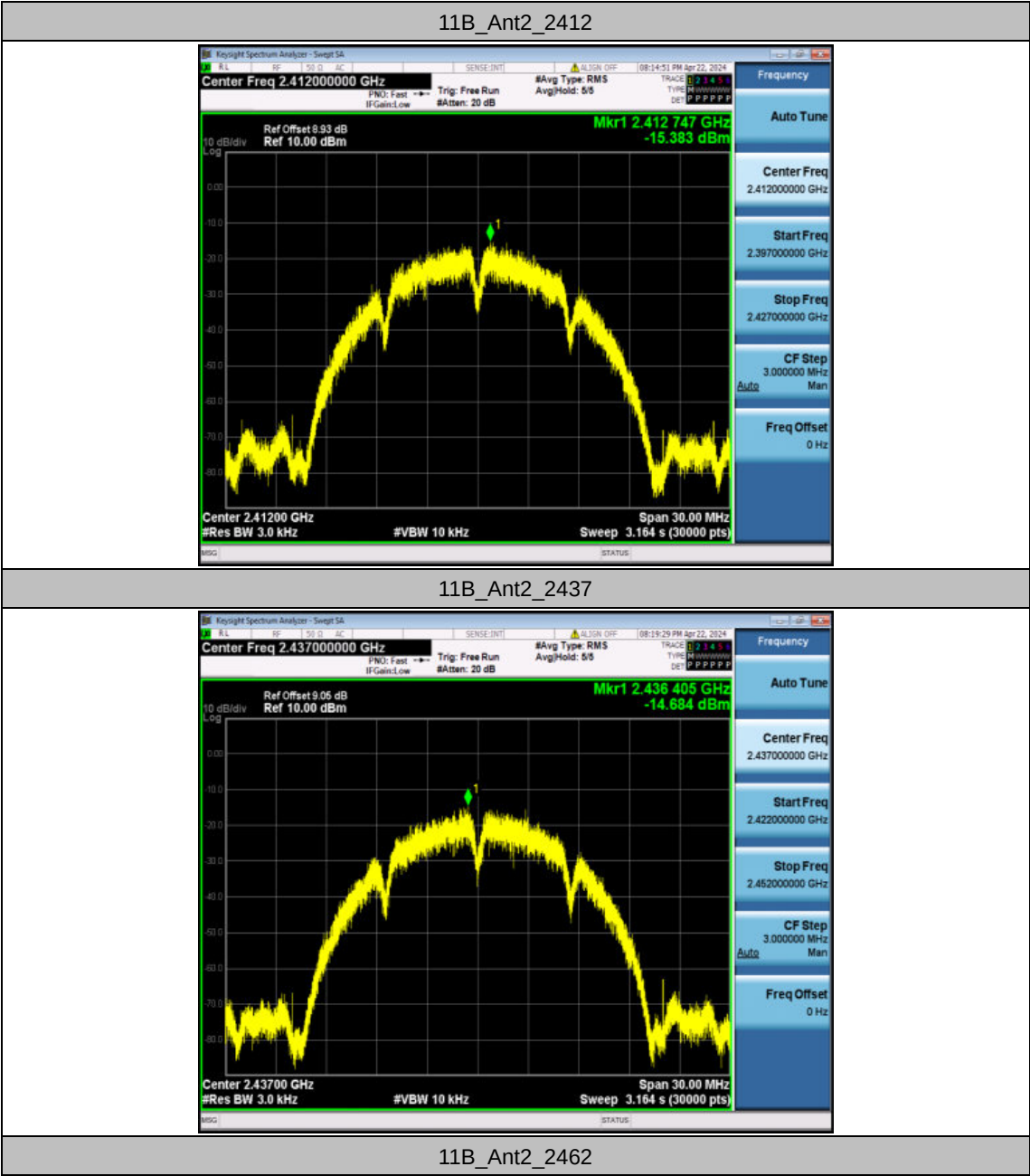
Test Result

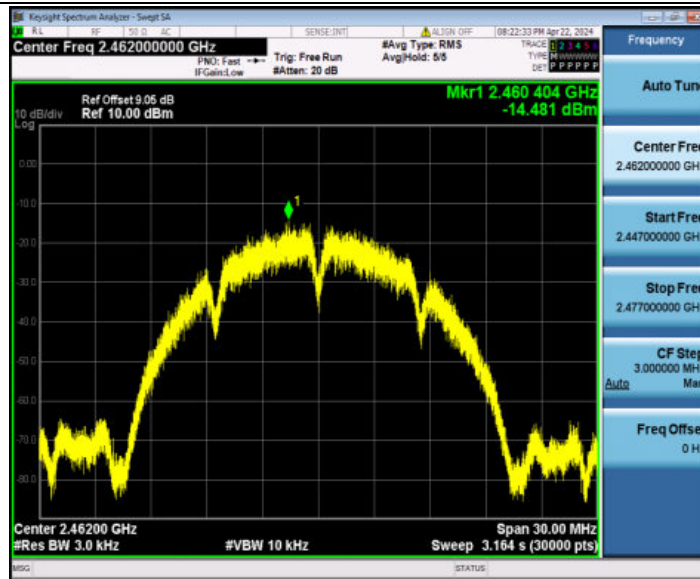
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-15.38	≤8.00	PASS
		2437	-14.68	≤8.00	PASS
		2462	-14.48	≤8.00	PASS
11G	Ant2	2412	-20.96	≤8.00	PASS
		2437	-20.57	≤8.00	PASS
		2462	-20.54	≤8.00	PASS
11N20SISO	Ant2	2412	-20.98	≤8.00	PASS
		2437	-20.85	≤8.00	PASS
		2462	-19.94	≤8.00	PASS
11N40SISO	Ant2	2422	-23.03	≤8.00	PASS
		2437	-21.46	≤8.00	PASS
		2452	-23.13	≤8.00	PASS

Note:

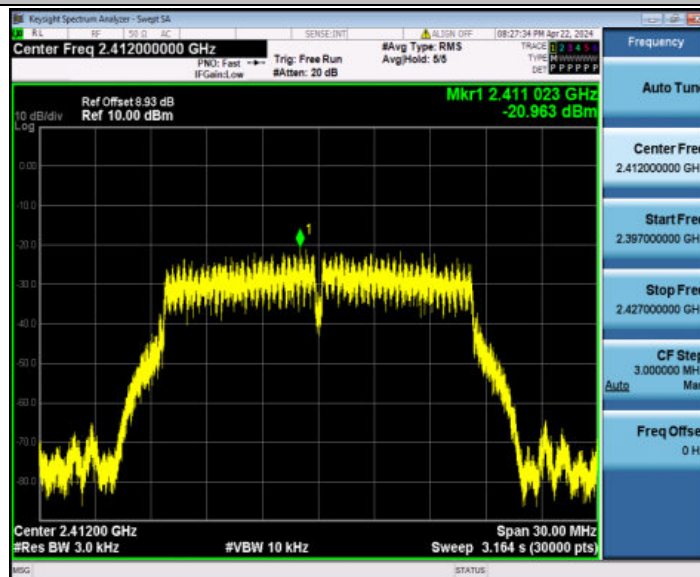
1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

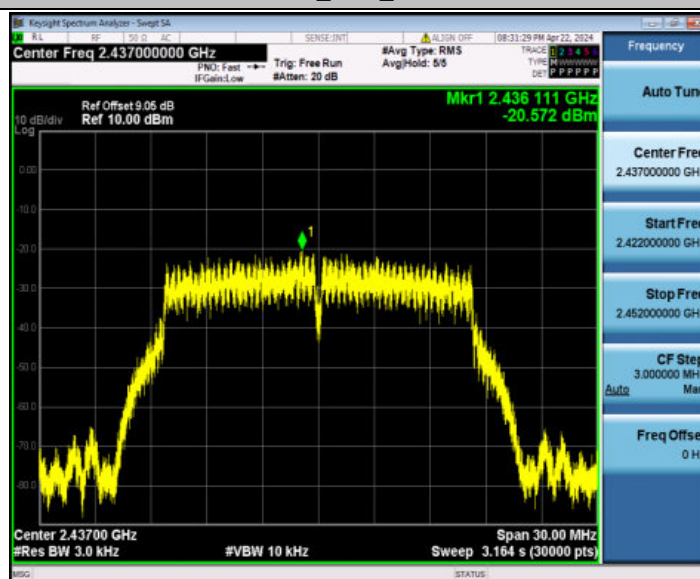




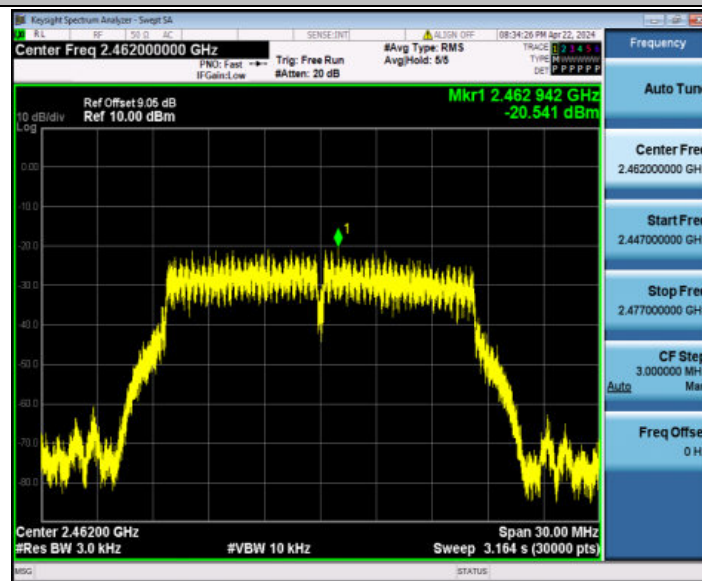
11G_Ant2_2412



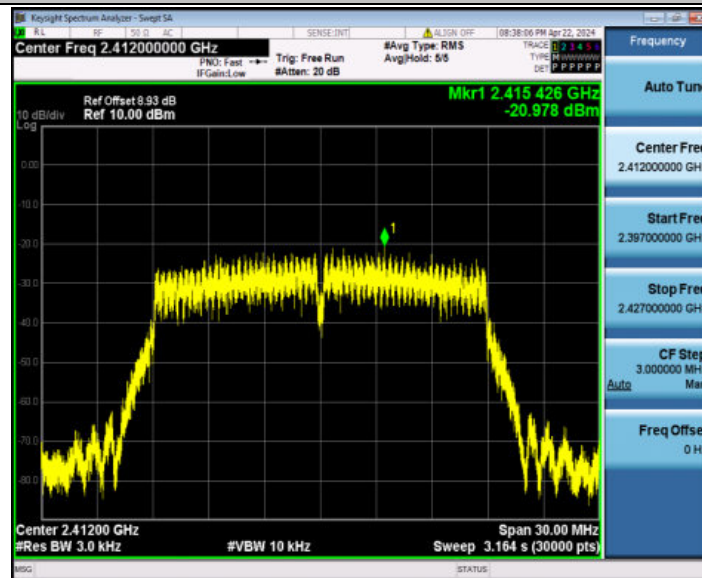
11G_Ant2_2437



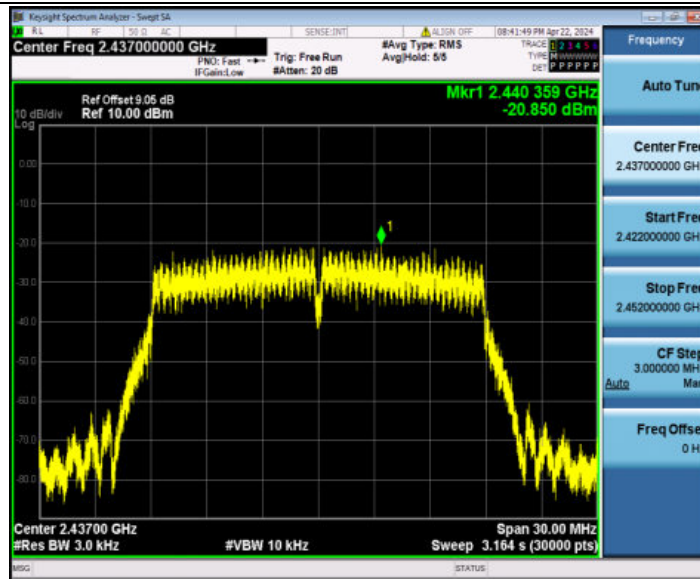
11G_Ant2_2462



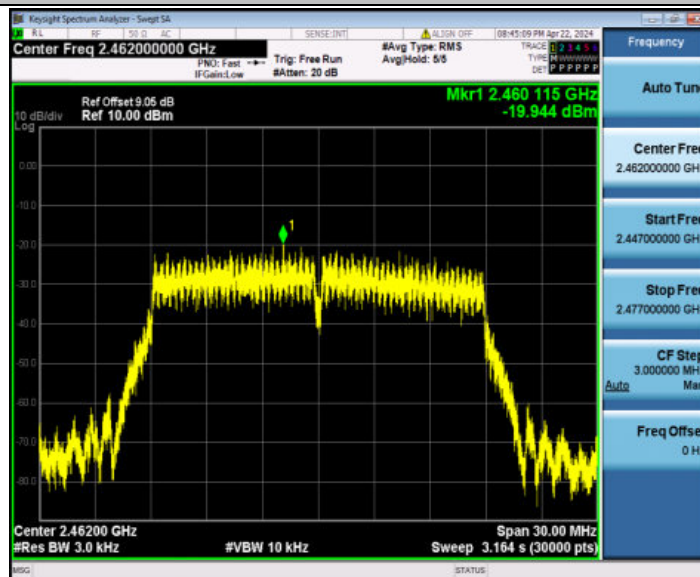
11N20SISO_Ant2_2412



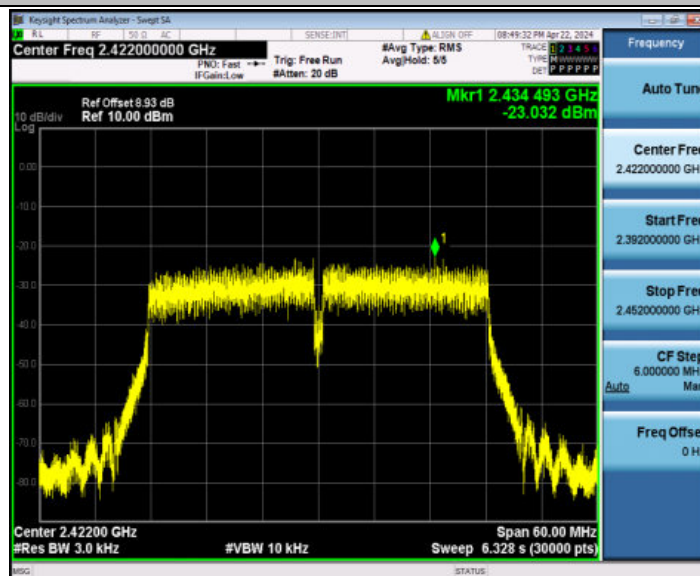
11N20SISO_Ant2_2437



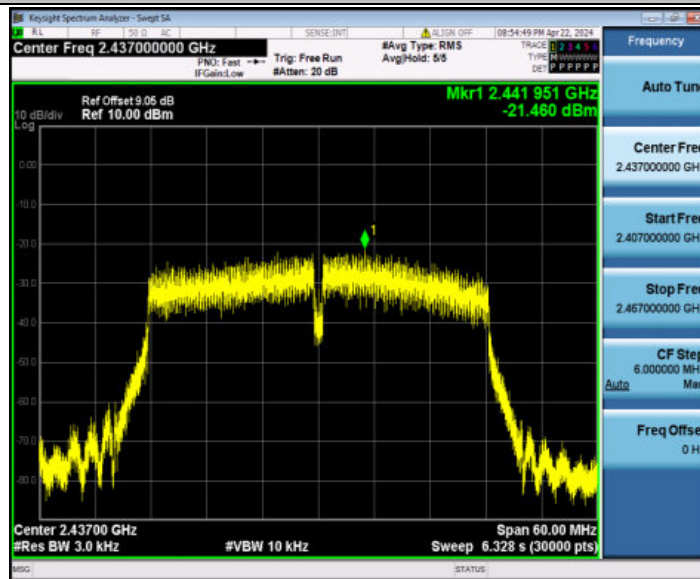
11N20SISO_Ant2_2462



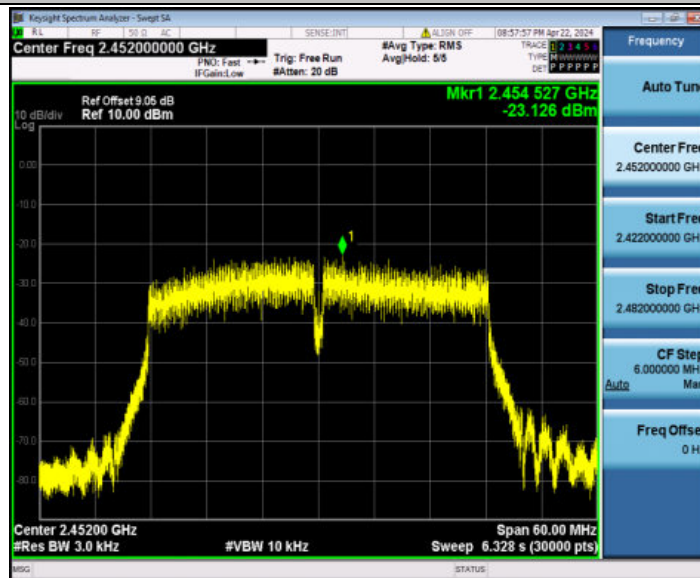
11N40SISO_Ant2_2422



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	-1.04	-48.48	≤ -21.04	PASS
		High	2462	-0.34	-49.1	≤ -20.34	PASS
11G	Ant2	Low	2412	-7.03	-48.06	≤ -27.03	PASS
		High	2462	-6.48	-49.61	≤ -26.48	PASS
11N20SISO	Ant2	Low	2412	-5.94	-48.48	≤ -25.94	PASS
		High	2462	-6.20	-49.53	≤ -26.2	PASS
11N40SISO	Ant2	Low	2422	-8.62	-47.75	≤ -28.62	PASS
		High	2452	-8.35	-48.69	≤ -28.35	PASS

Test Graphs



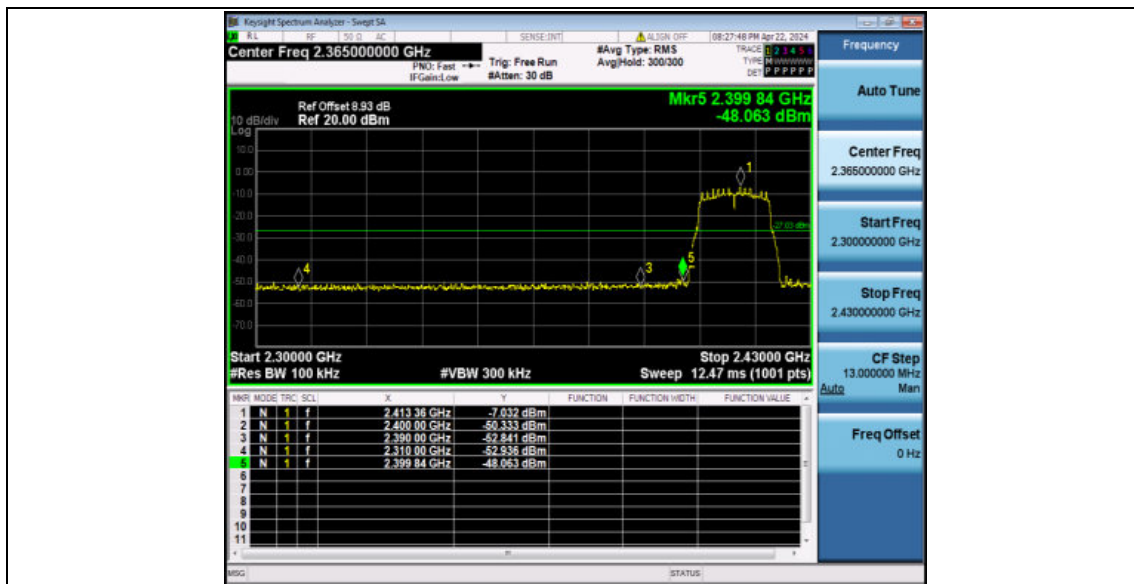
11B_Ant2_High_2462

Frequency

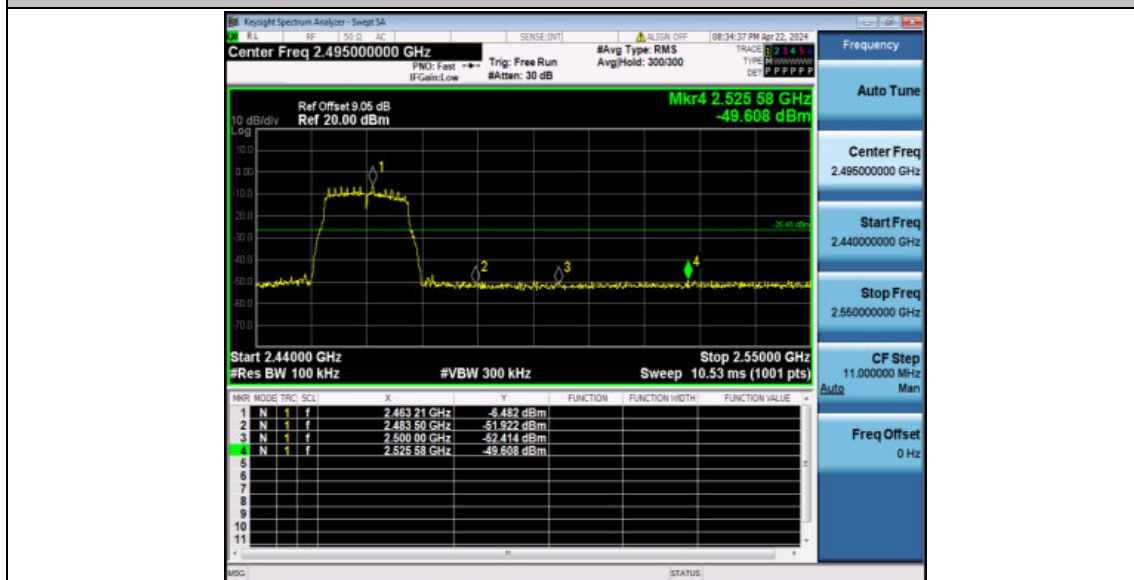
Auto Tune

Center Freq
2.495000000 GHzStart Freq
2.440000000 GHzStop Freq
2.550000000 GHzCF Step
11.000000 MHz
Auto ManFreq Offset
0 Hz

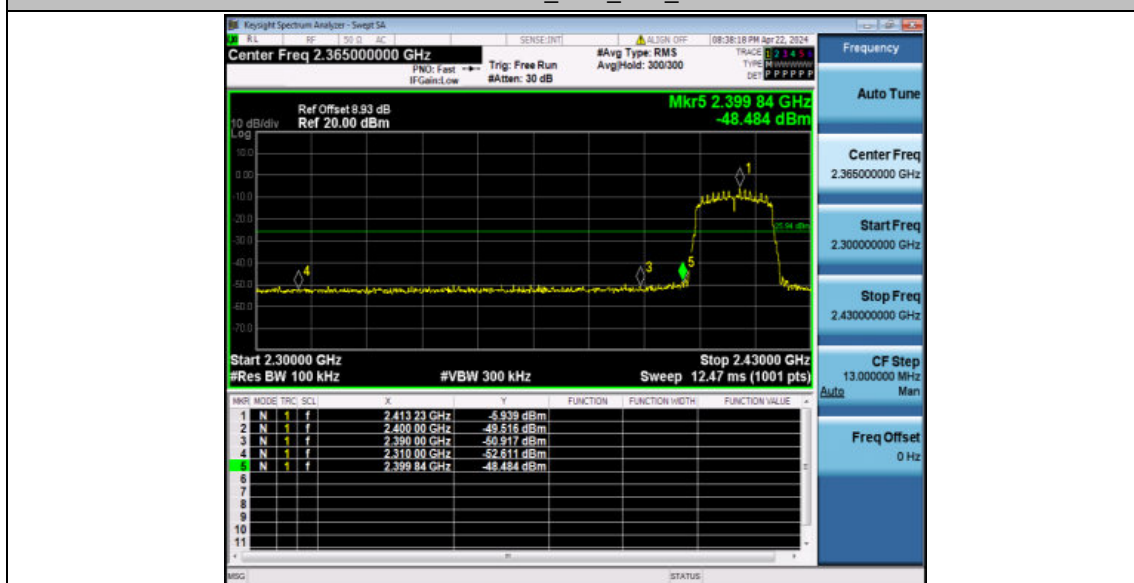
11G_Ant2_Low_2412



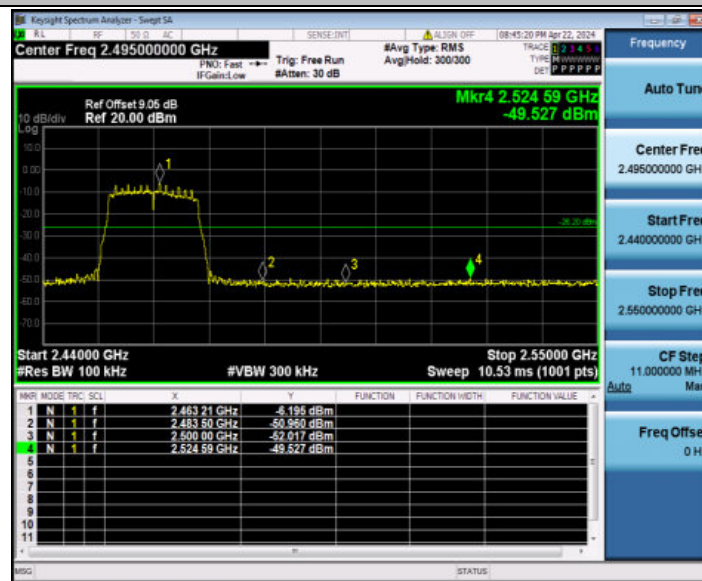
11G_Ant2_High_2462



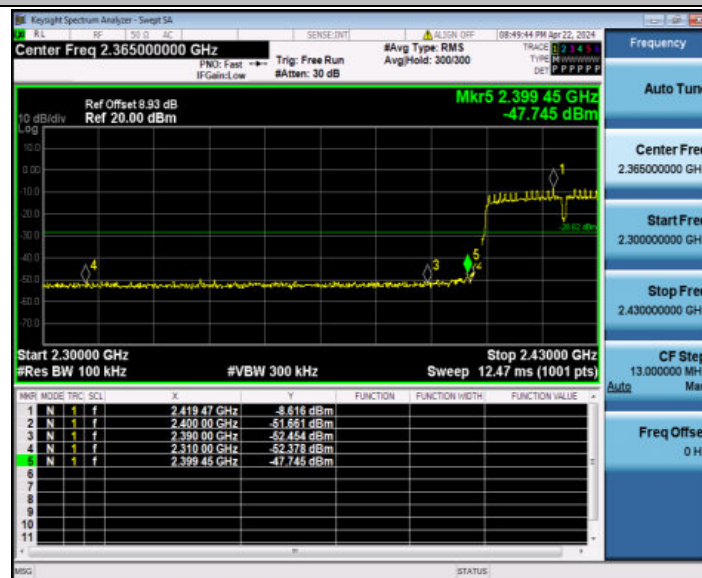
11N20SISO_Ant2_Low_2412



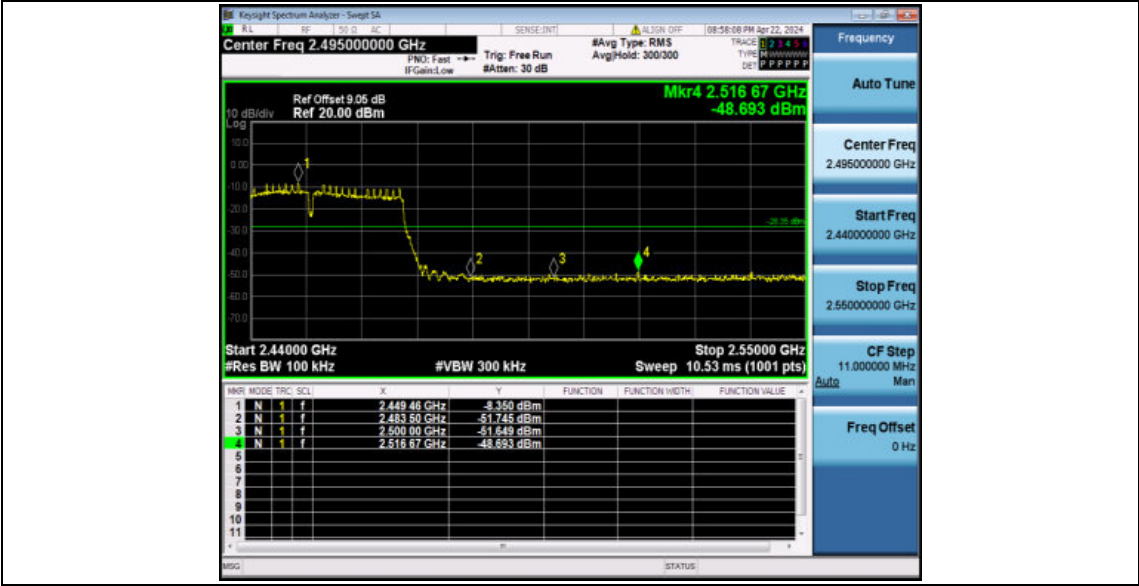
11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

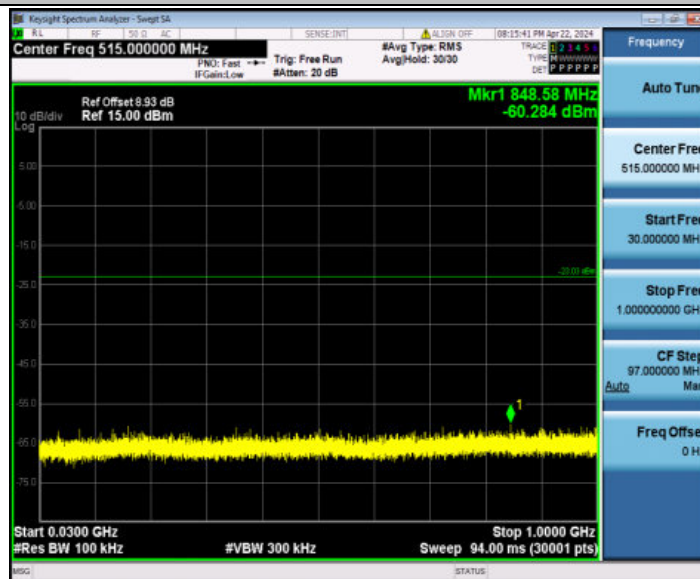
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	-3.03	-3.03	---	PASS
			30~1000	-3.03	-60.28	≤ -23.03	PASS
			1000~26500	-3.03	-47.9	≤ -23.03	PASS
		2437	Reference	-1.94	-1.94	---	PASS
			30~1000	-1.94	-60.54	≤ -21.94	PASS
			1000~26500	-1.94	-47.42	≤ -21.94	PASS
		2462	Reference	-1.43	-1.43	---	PASS
			30~1000	-1.43	-60.66	≤ -21.43	PASS
			1000~26500	-1.43	-47.22	≤ -21.43	PASS
11G	Ant2	2412	Reference	-6.93	-6.93	---	PASS
			30~1000	-6.93	-60.73	≤ -26.93	PASS
			1000~26500	-6.93	-47.96	≤ -26.93	PASS
		2437	Reference	-9.37	-9.37	---	PASS
			30~1000	-9.37	-60.71	≤ -29.37	PASS
			1000~26500	-9.37	-47.67	≤ -29.37	PASS
		2462	Reference	-10.07	-10.07	---	PASS
			30~1000	-10.07	-60.69	≤ -30.07	PASS
			1000~26500	-10.07	-46.72	≤ -30.07	PASS
11N20SISO	Ant2	2412	Reference	-10.46	-10.46	---	PASS
			30~1000	-10.46	-60.78	≤ -30.46	PASS
			1000~26500	-10.46	-47.41	≤ -30.46	PASS
		2437	Reference	-7.14	-7.14	---	PASS
			30~1000	-7.14	-60.24	≤ -27.14	PASS
			1000~26500	-7.14	-47.5	≤ -27.14	PASS
		2462	Reference	-7.38	-7.38	---	PASS
			30~1000	-7.38	-60.48	≤ -27.38	PASS
			1000~26500	-7.38	-47.31	≤ -27.38	PASS
11N40SISO	Ant2	2422	Reference	-9.24	-9.24	---	PASS
			30~1000	-9.24	-60.52	≤ -29.24	PASS
			1000~26500	-9.24	-47.75	≤ -29.24	PASS
		2437	Reference	-10.58	-10.58	---	PASS
			30~1000	-10.58	-60.45	≤ -30.58	PASS
			1000~26500	-10.58	-47.87	≤ -30.58	PASS
		2452	Reference	-10.31	-10.31	---	PASS
			30~1000	-10.31	-59.89	≤ -30.31	PASS
			1000~26500	-10.31	-47.07	≤ -30.31	PASS

Test Graphs

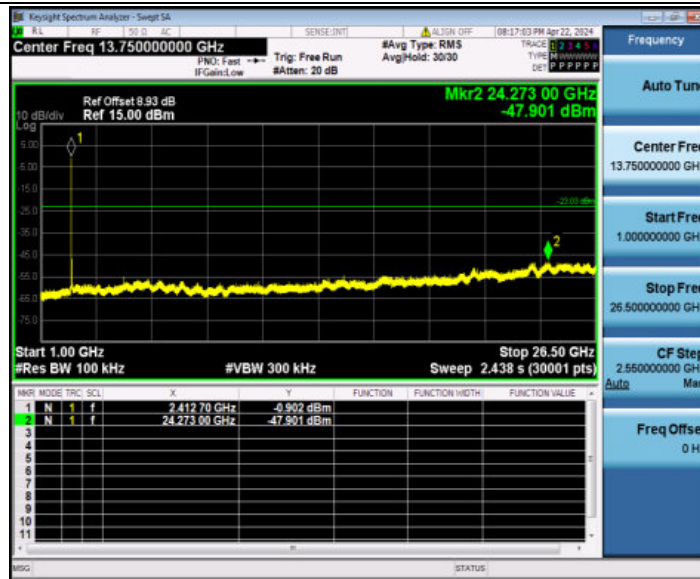
11B_Ant2_2412_0~Reference



11B_Ant2_2412_30~1000



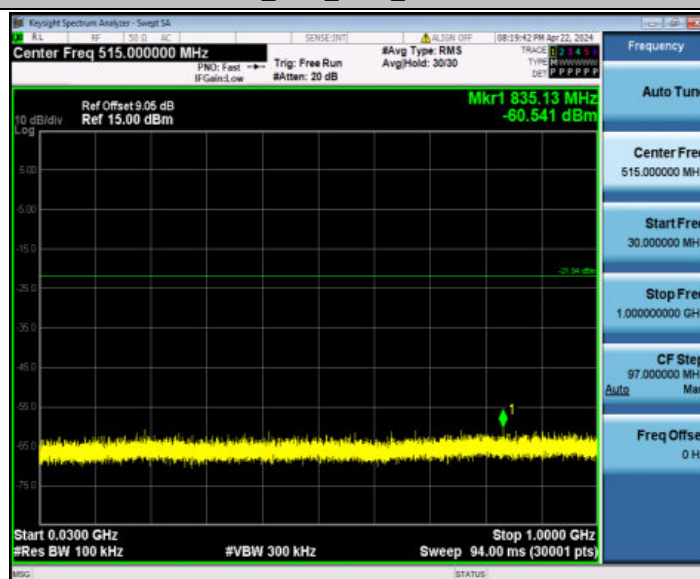
11B_Ant2_2412_1000~26500

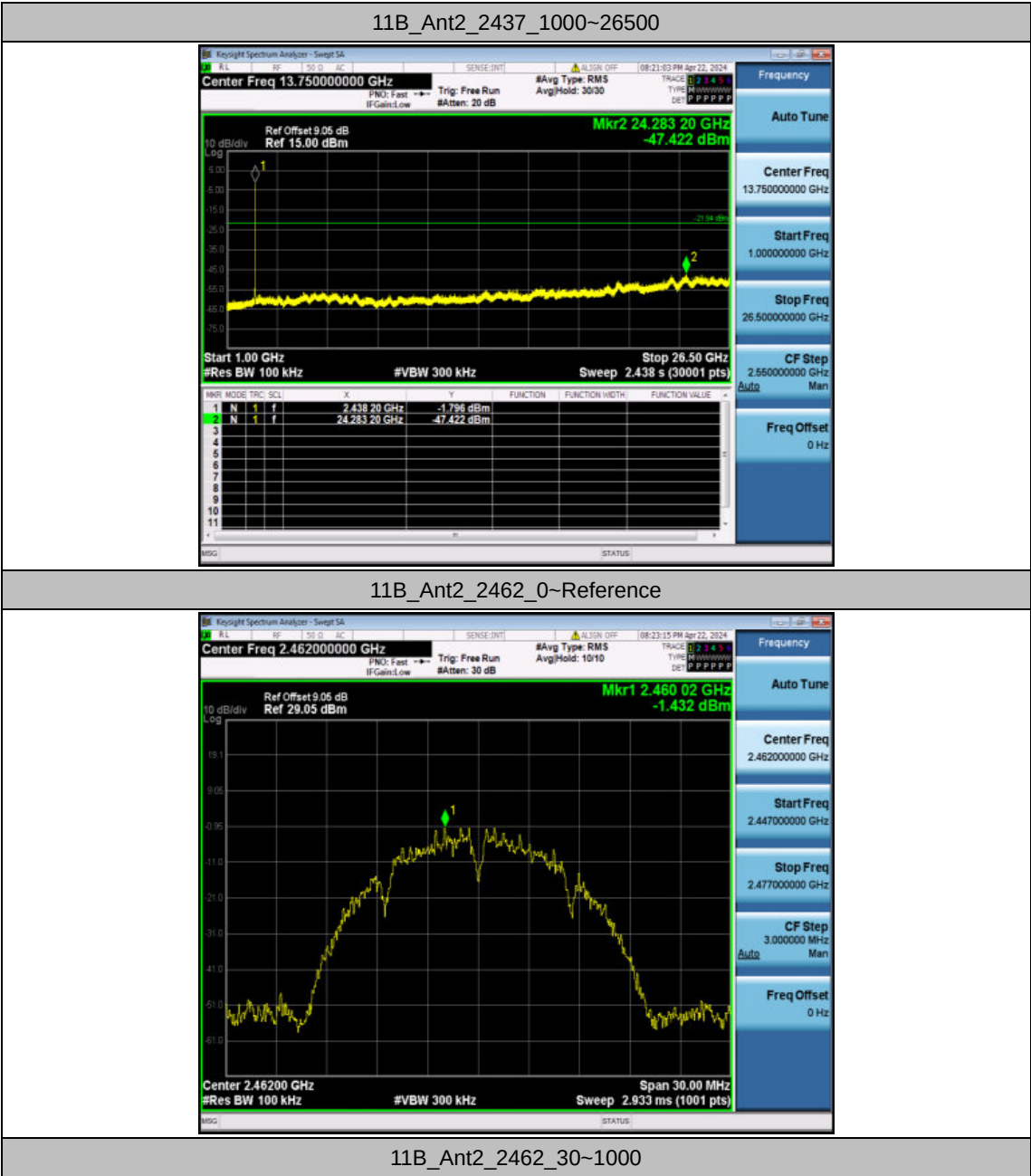


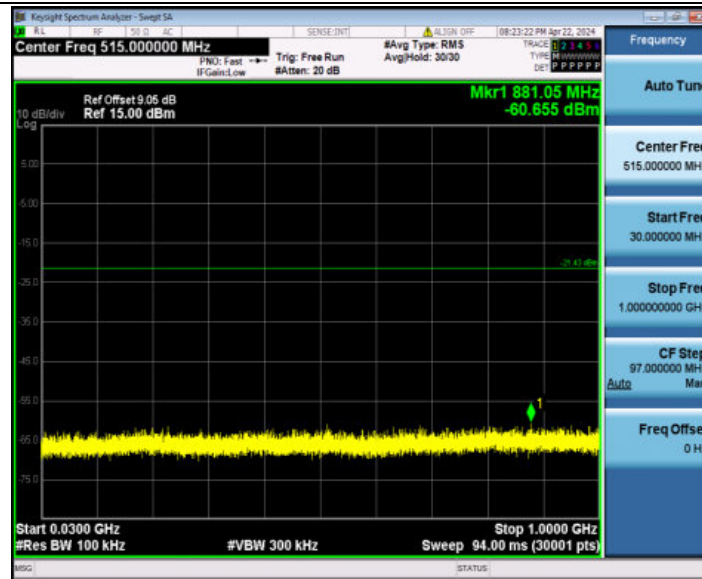
11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



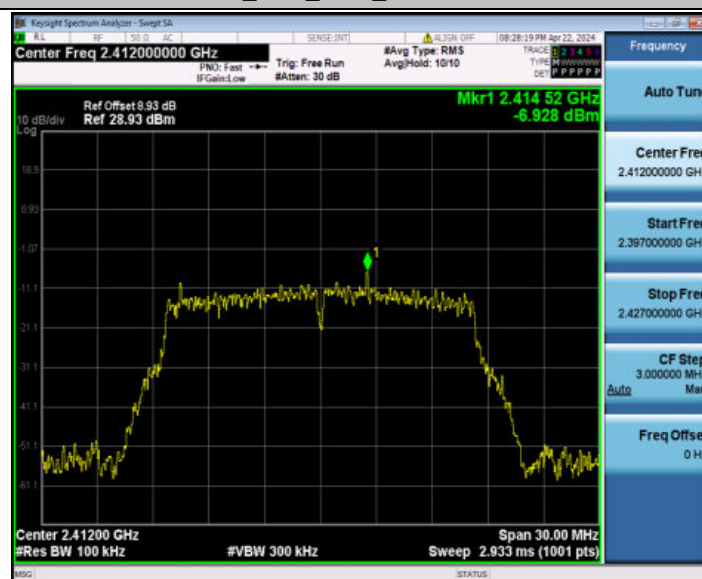




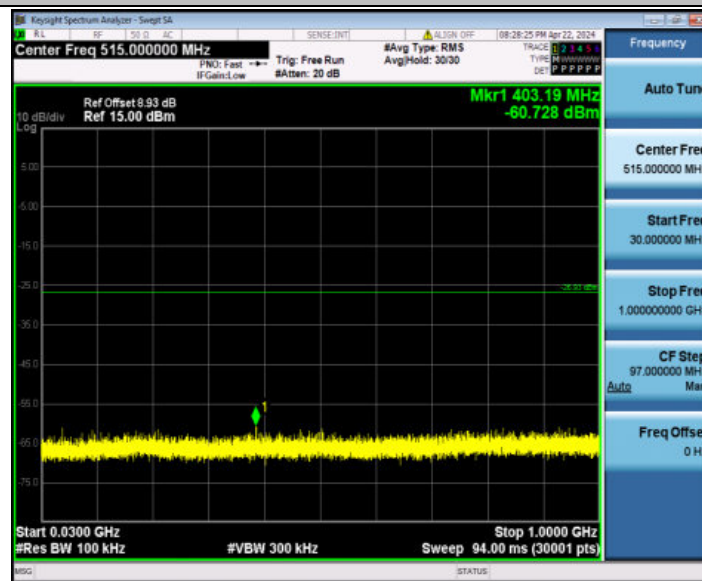
11B_Ant2_2462_1000~26500



11G_Ant2_2412_0~Reference



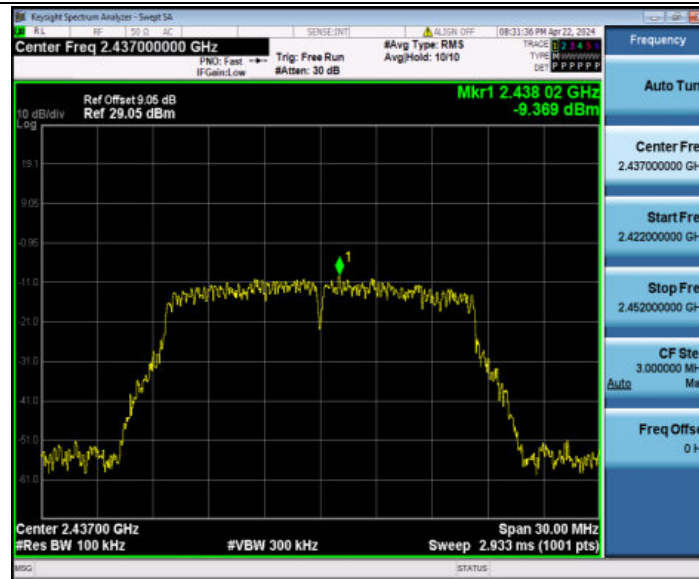
11G_Ant2_2412_30~1000



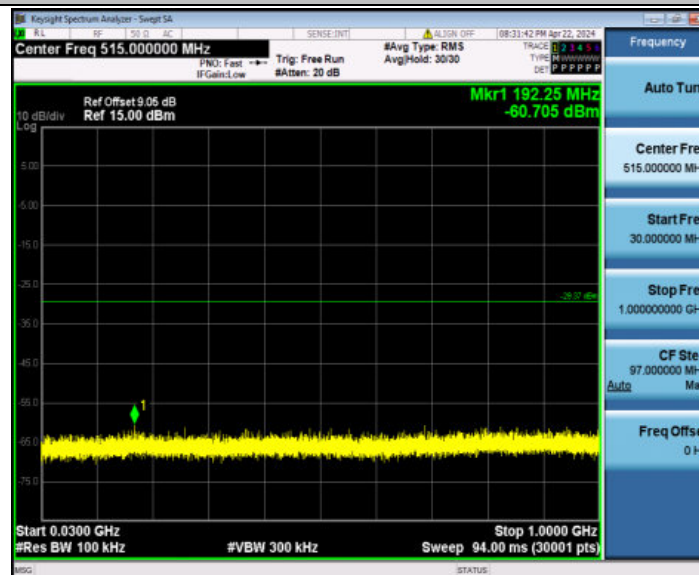
11G_Ant2_2412_1000~26500



11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000



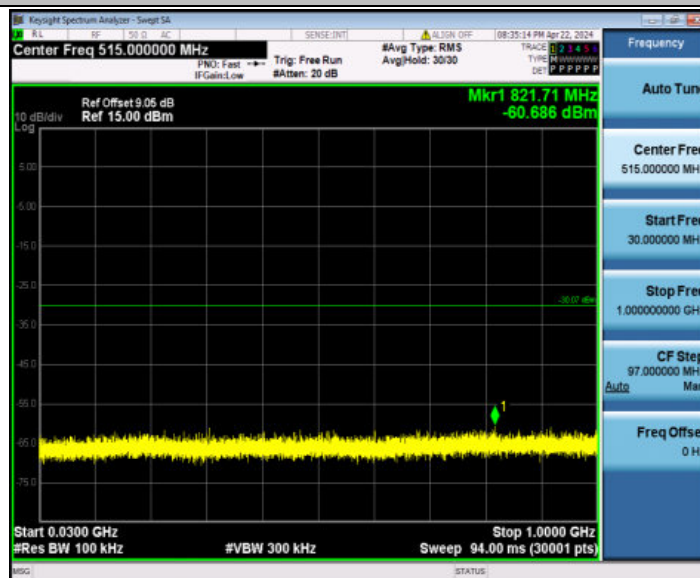
11G_Ant2_2437_1000~26500



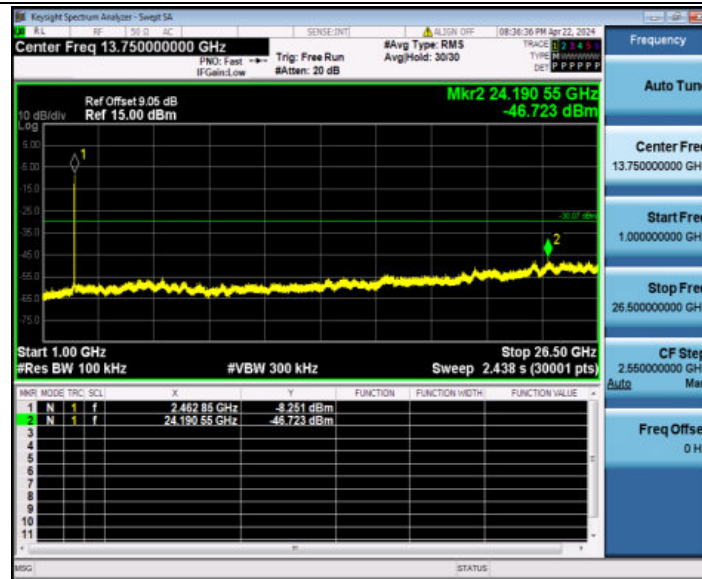
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



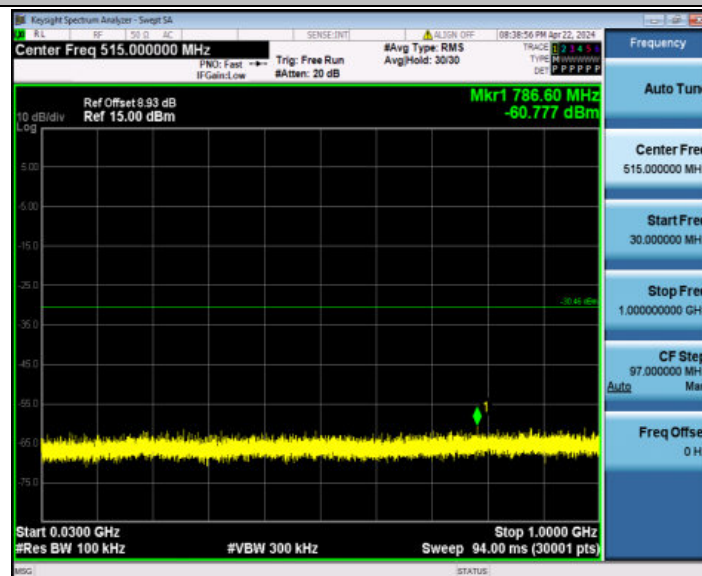
11G_Ant2_2462_1000~26500



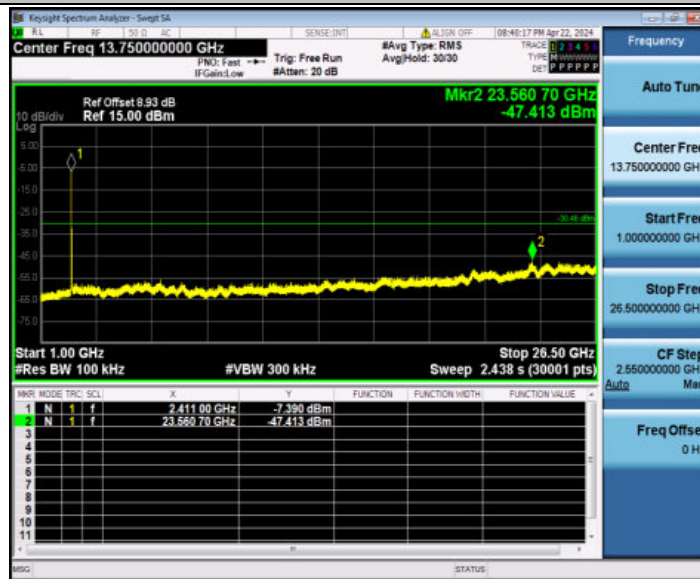
11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



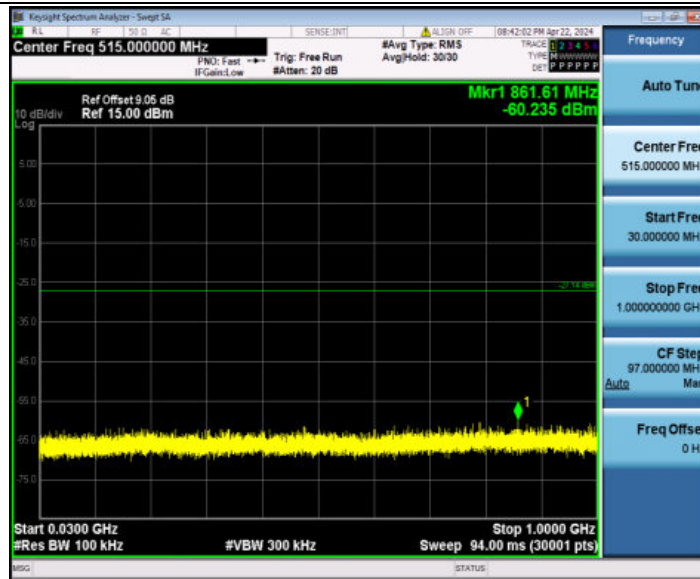
11N20SISO_Ant2_2412_1000~26500



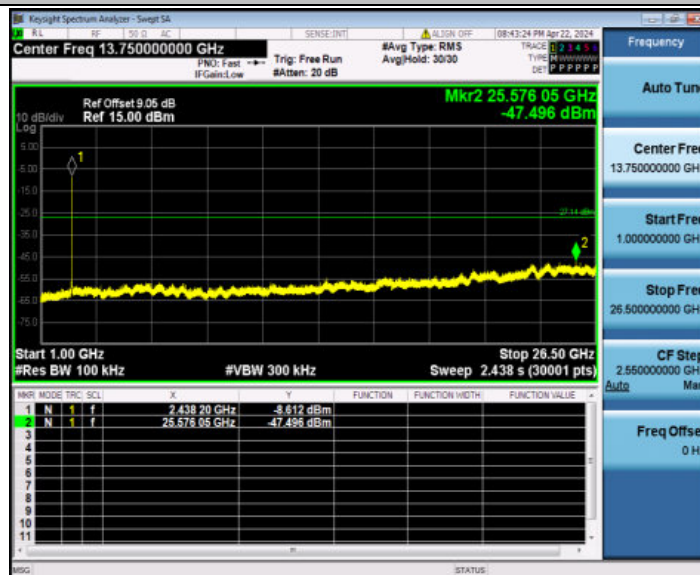
11N20SISO_Ant2_2437_0~Reference



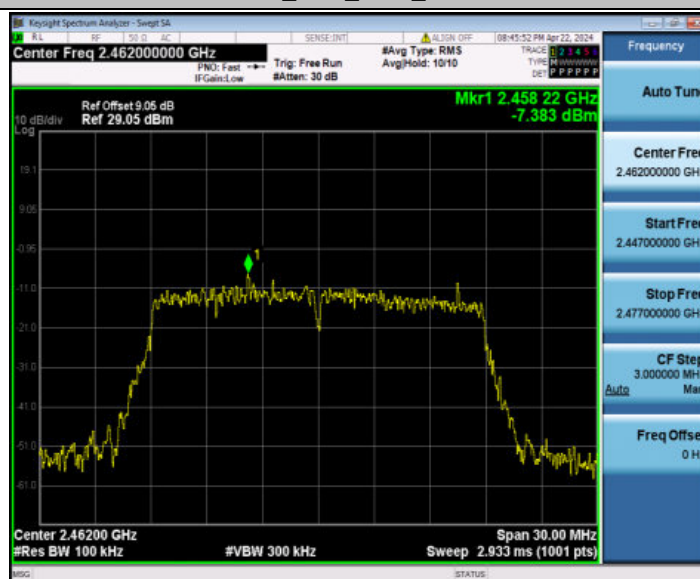
11N20SISO_Ant2_2437_30~1000

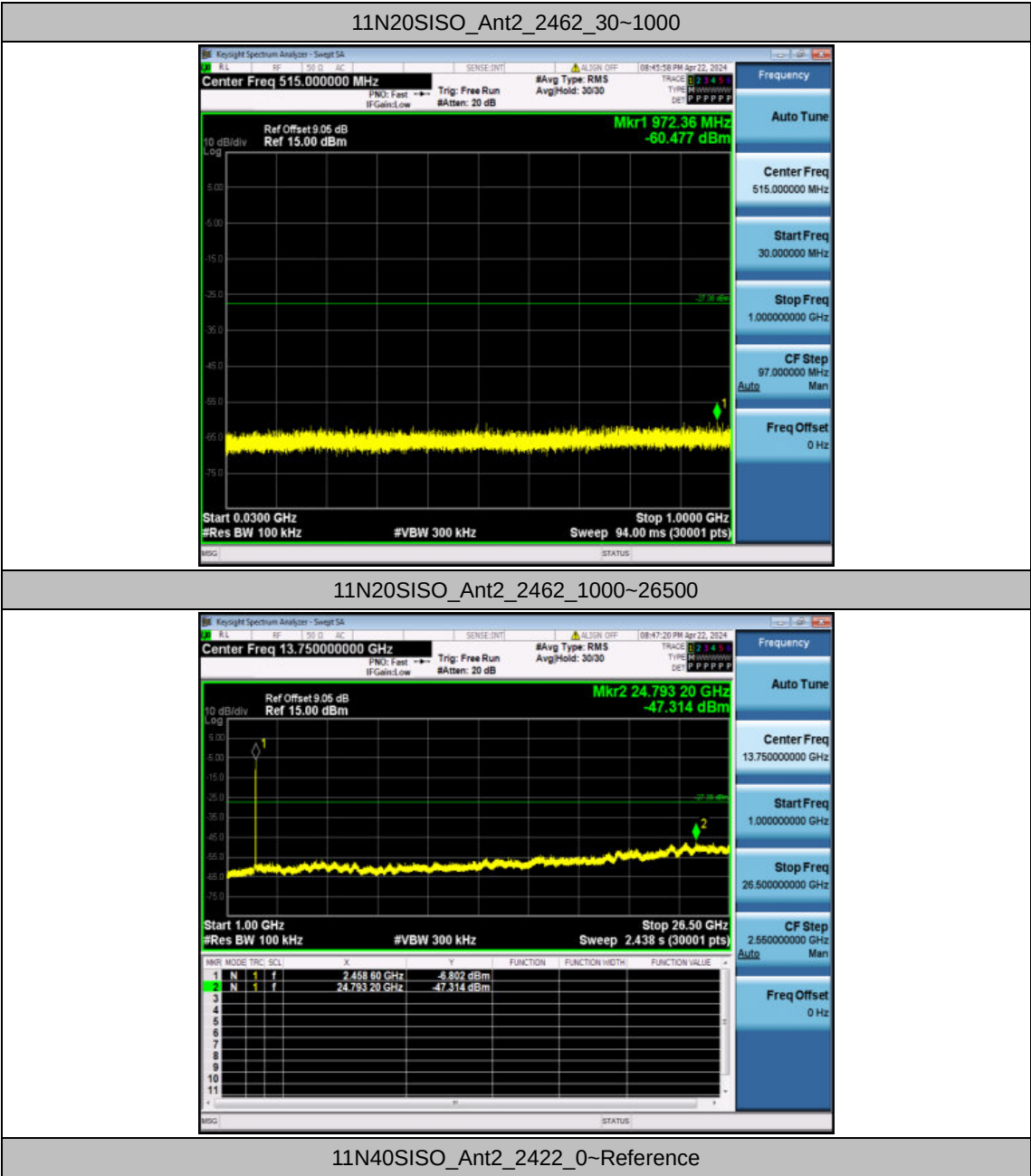


11N20SISO_Ant2_2437_1000~26500



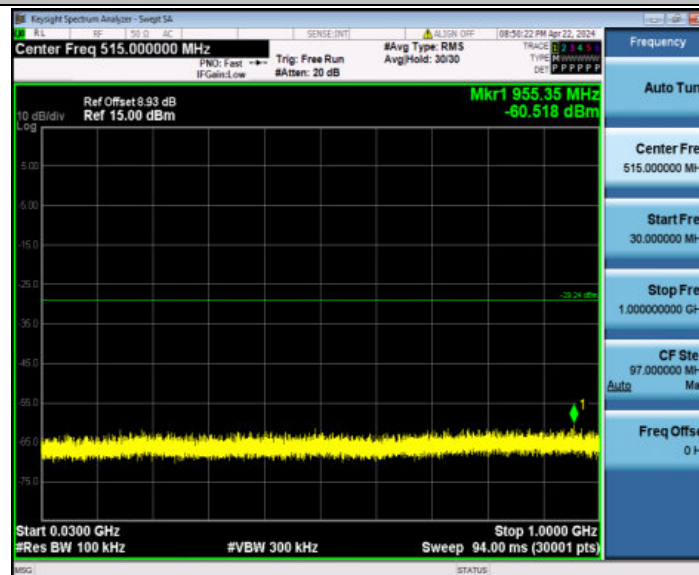
11N20SISO_Ant2_2462_0~Reference



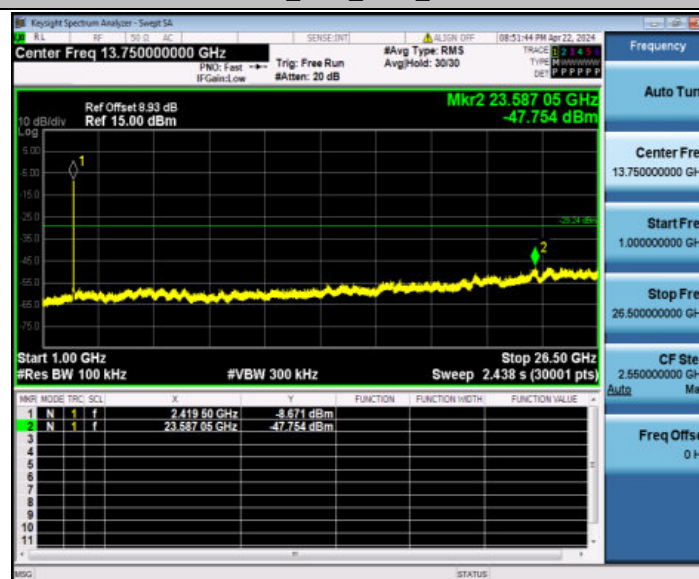




11N40SISO_Ant2_2422_30~1000



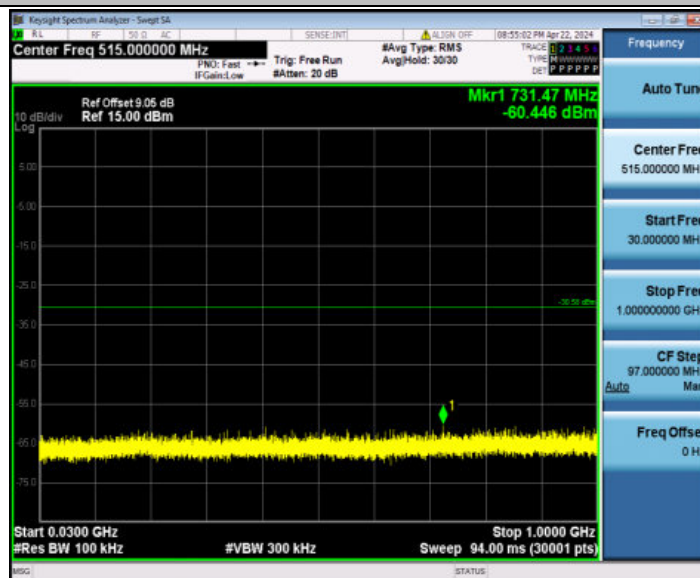
11N40SISO_Ant2_2422_1000~26500



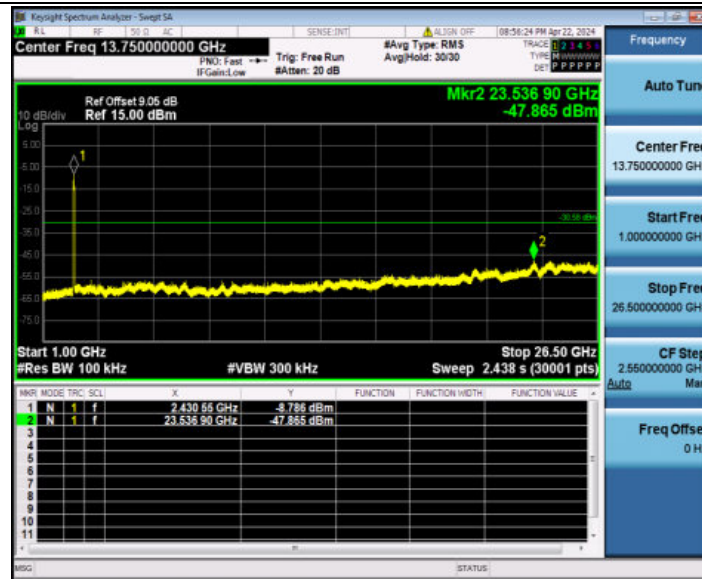
11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000

