

Case No. : <u>GTS20250407018-2-05</u>	
Ambient Condition: <u>23</u> °C, <u>51</u> %RH,	
Test Date: <u>2025.4.25</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: DTS Bandwidth

Test Result

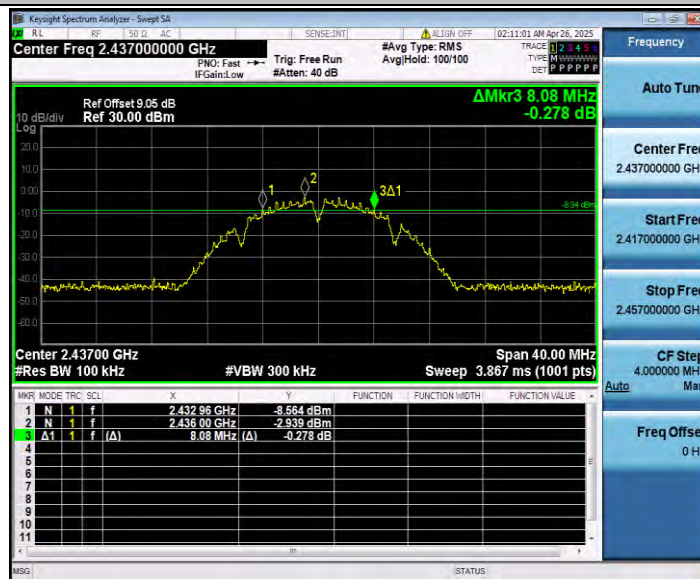
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	7.600	2408.440	2416.040	0.5	PASS
		2437	8.080	2432.960	2441.040	0.5	PASS
		2462	8.040	2458.000	2466.040	0.5	PASS
11G	Ant2	2412	15.400	2404.480	2419.880	0.5	PASS
		2437	15.040	2429.480	2444.520	0.5	PASS
		2462	15.080	2454.440	2469.520	0.5	PASS
11N20SISO	Ant2	2412	14.960	2404.560	2419.520	0.5	PASS
		2437	16.880	2428.880	2445.760	0.5	PASS
		2462	15.280	2454.480	2469.760	0.5	PASS
11N40SISO	Ant2	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	32.560	2421.960	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

11B_Ant2_2412



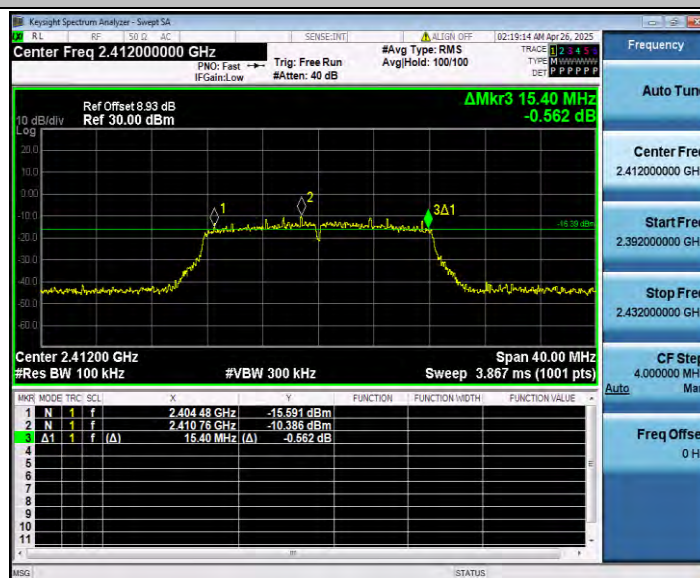
11B_Ant2_2437



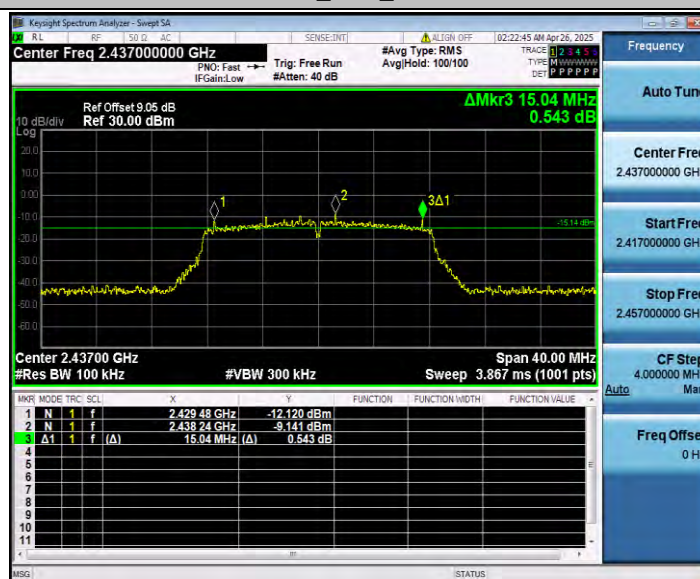
11B_Ant2_2462



11G_Ant2_2412



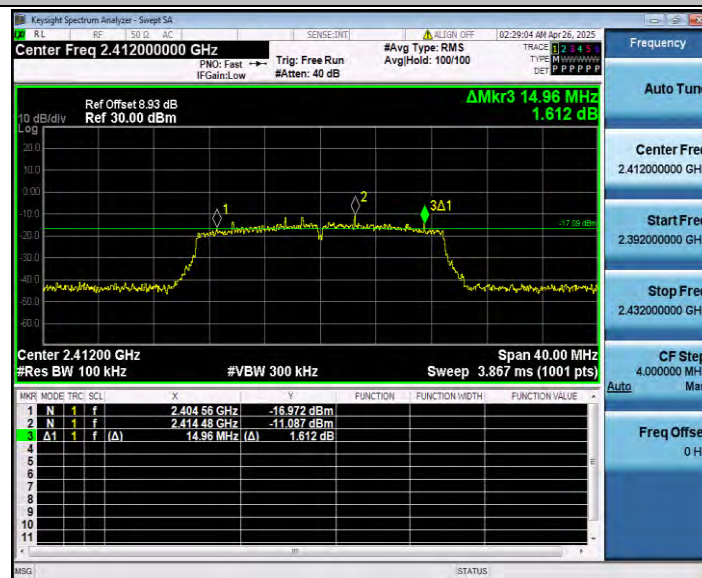
11G_Ant2_2437



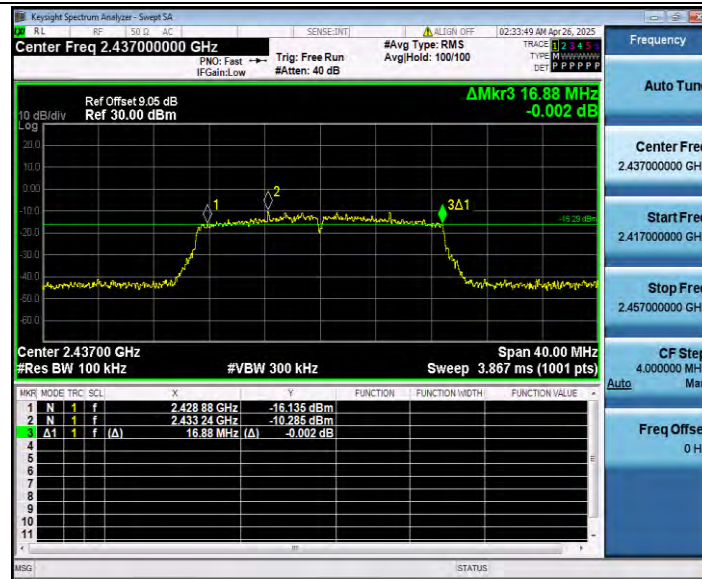
11G_Ant2_2462



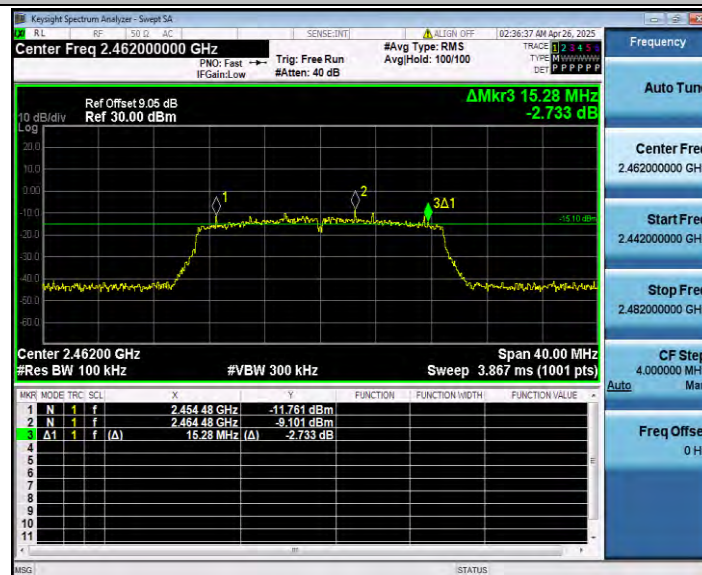
11N20SISO_Ant2_2412



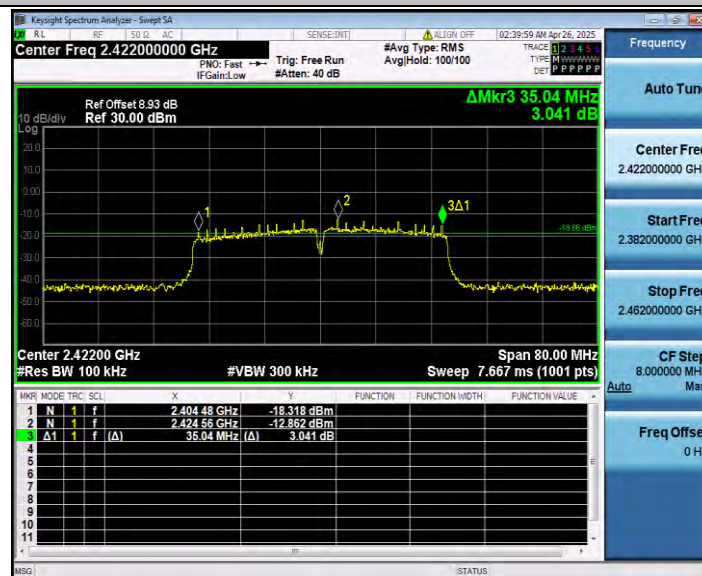
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



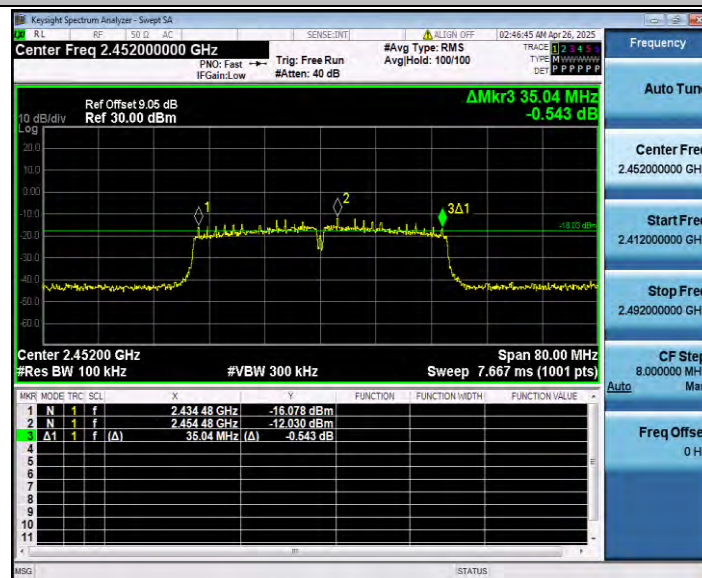
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	13.124	2405.4929	2418.6169	---	---
		2437	12.980	2430.5520	2443.5320	---	---
		2462	13.053	2455.4932	2468.5462	---	---
11G	Ant2	2412	17.001	2403.5482	2420.5492	---	---
		2437	16.863	2428.6211	2445.4841	---	---
		2462	16.877	2453.6061	2470.4831	---	---
11N20SISO	Ant2	2412	17.979	2403.0376	2421.0166	---	---
		2437	17.886	2428.1108	2445.9968	---	---
		2462	17.871	2453.0975	2470.9685	---	---
11N40SISO	Ant2	2422	36.416	2403.9338	2440.3498	---	---
		2437	36.389	2418.9532	2455.3422	---	---
		2452	36.329	2433.9131	2470.2421	---	---

Test Graphs



11B_Ant2_2437

Frequency
Center Freq
2.437000000 GHz
CF Step
4.000000 MHz
Man
Freq Offset
0 Hz

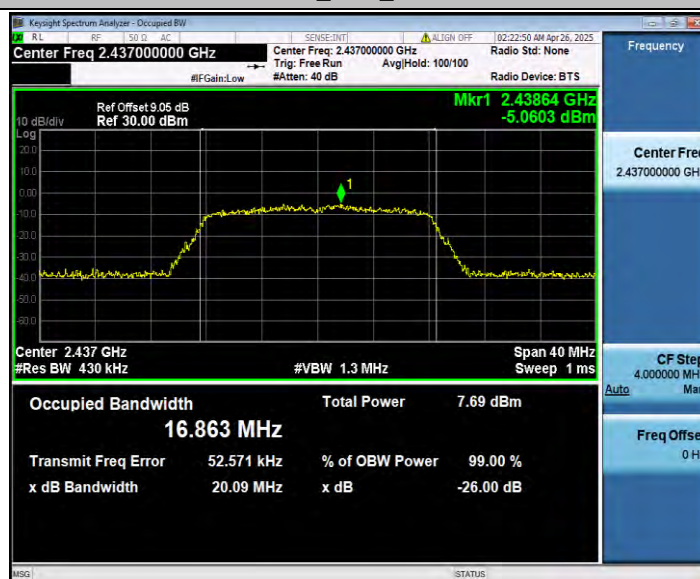
11B_Ant2_2462



11G_Ant2_2412



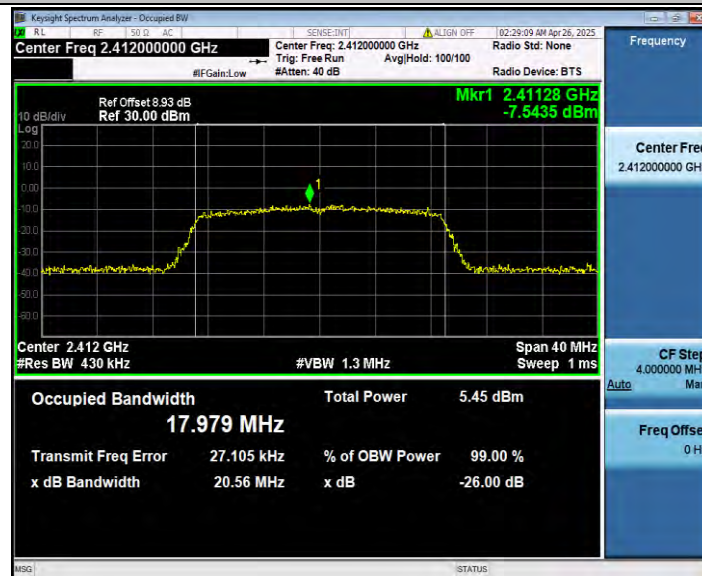
11G_Ant2_2437



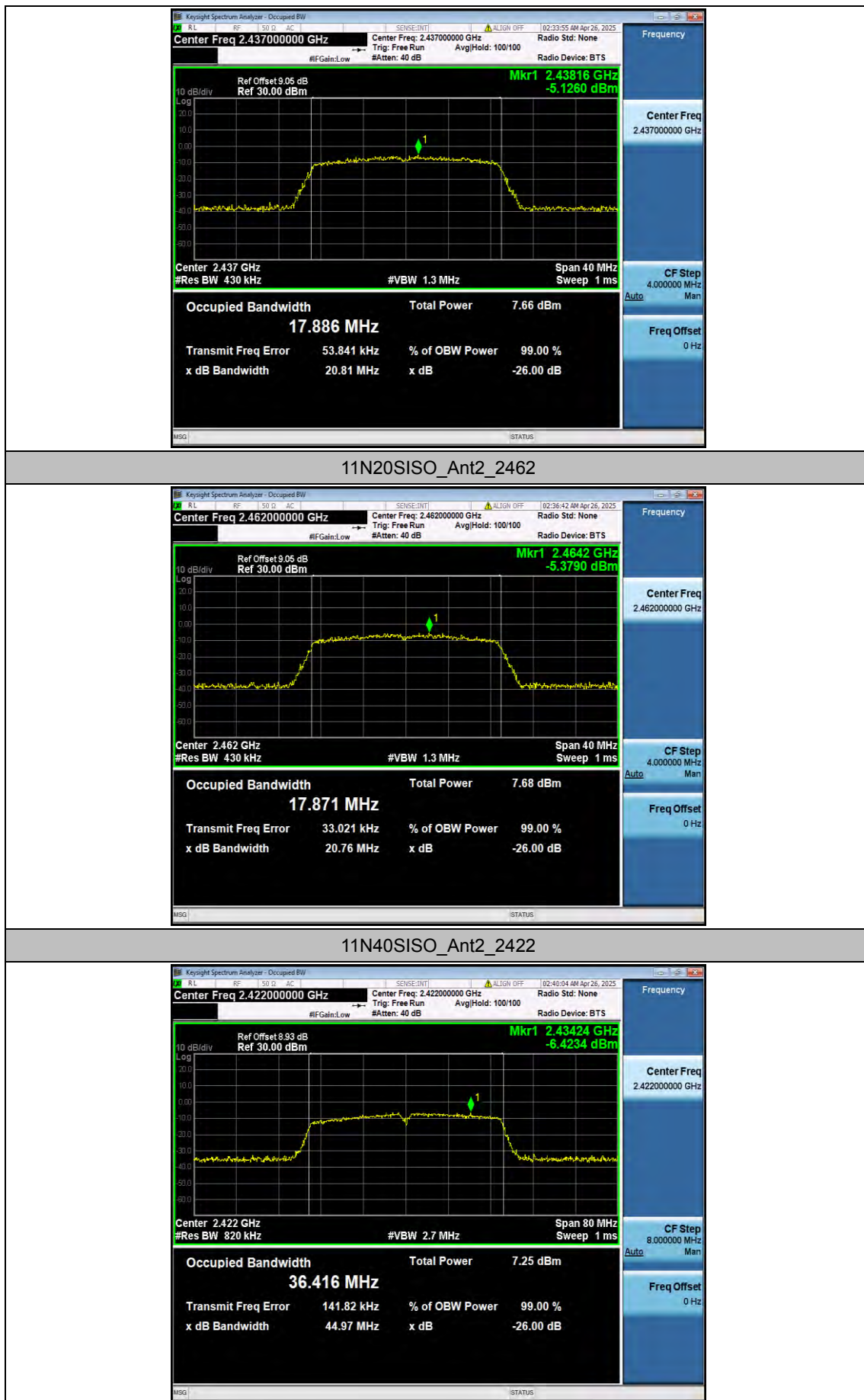
11G_Ant2_2462



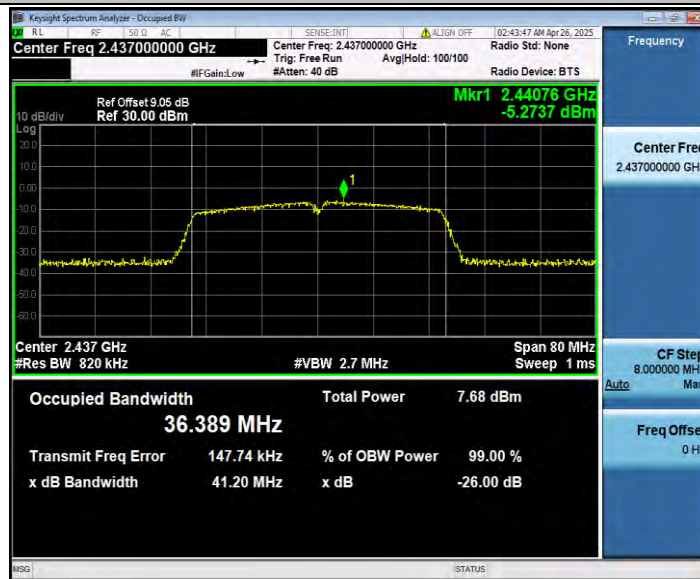
11N20SISO_Ant2_2412



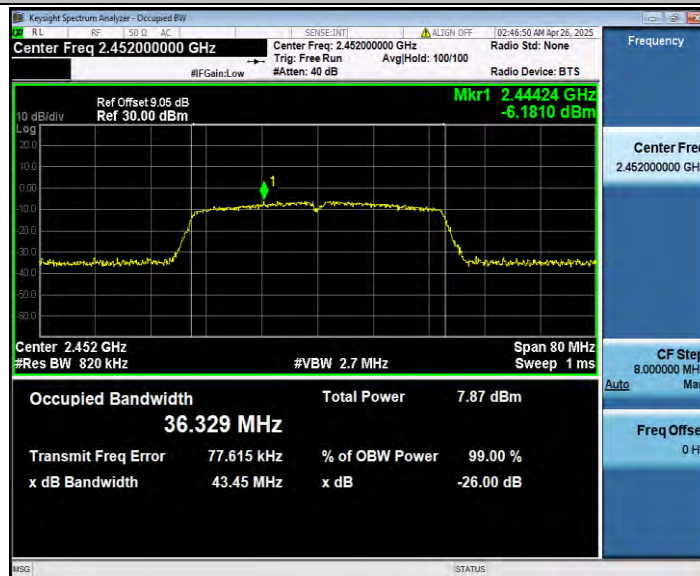
11N20SISO_Ant2_2437



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix A.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	8.65	≤30.00	PASS
		2437	8.78	≤30.00	PASS
		2462	8.89	≤30.00	PASS
11G	Ant2	2412	8.82	≤30.00	PASS
		2437	8.94	≤30.00	PASS
		2462	8.06	≤30.00	PASS
11N20SISO	Ant2	2412	5.66	≤30.00	PASS
		2437	5.74	≤30.00	PASS
		2462	5.79	≤30.00	PASS
11N40SISO	Ant2	2422	5.54	≤30.00	PASS
		2437	5.05	≤30.00	PASS
		2452	5.21	≤30.00	PASS

Appendix A.4: Maximum power spectral density

Test Result

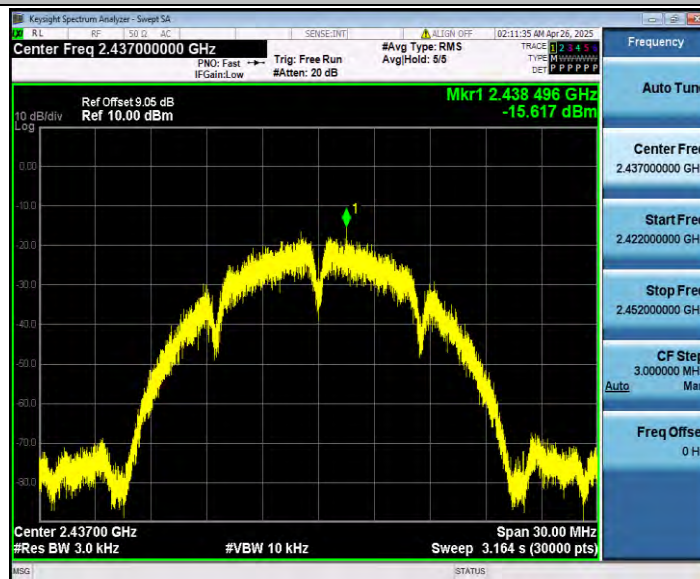
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-17.73	≤8.00	PASS
		2437	-15.62	≤8.00	PASS
		2462	-16.90	≤8.00	PASS
11G	Ant2	2412	-22.50	≤8.00	PASS
		2437	-23.17	≤8.00	PASS
		2462	-21.32	≤8.00	PASS
11N20SISO	Ant2	2412	-24.83	≤8.00	PASS
		2437	-22.70	≤8.00	PASS
		2462	-22.60	≤8.00	PASS
11N40SISO	Ant2	2422	-25.53	≤8.00	PASS
		2437	-23.60	≤8.00	PASS
		2452	-22.99	≤8.00	PASS

Test Graphs

11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



11G_Ant2_2437



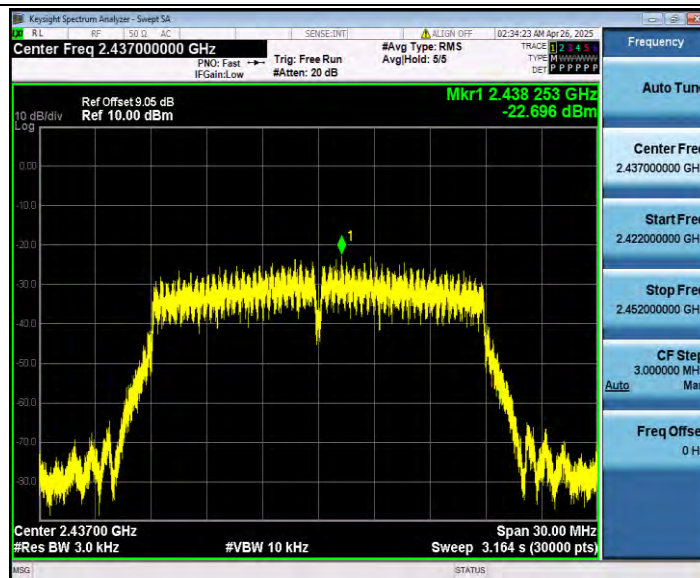
11G_Ant2_2462



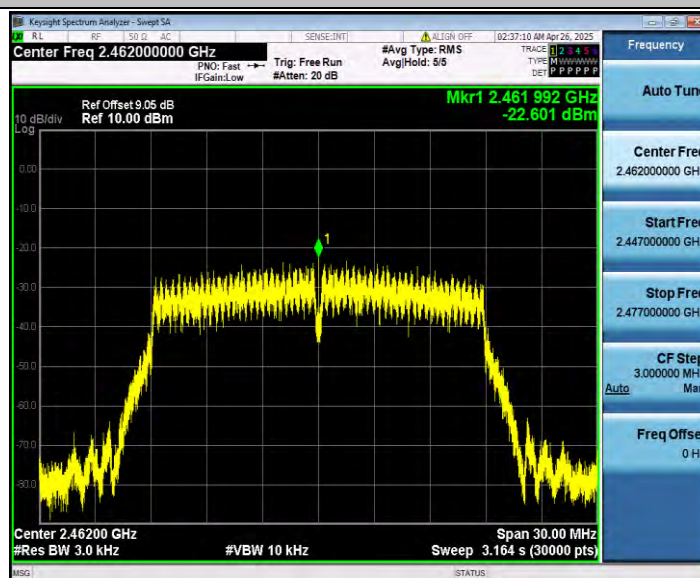
11N20SISO_Ant2_2412



11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



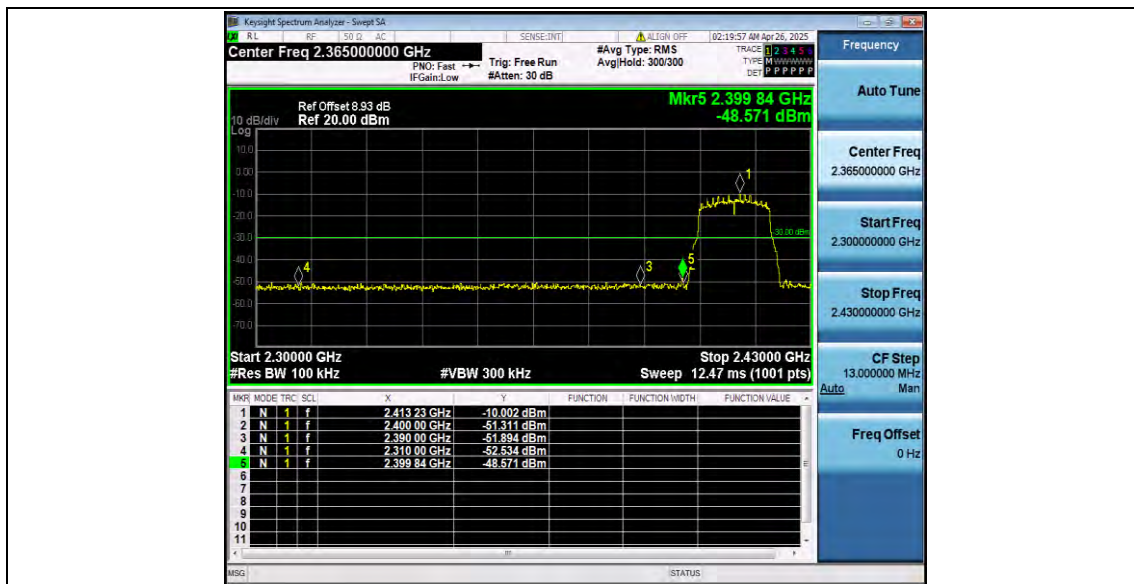
Appendix A.5: Band edge measurements

Test Result

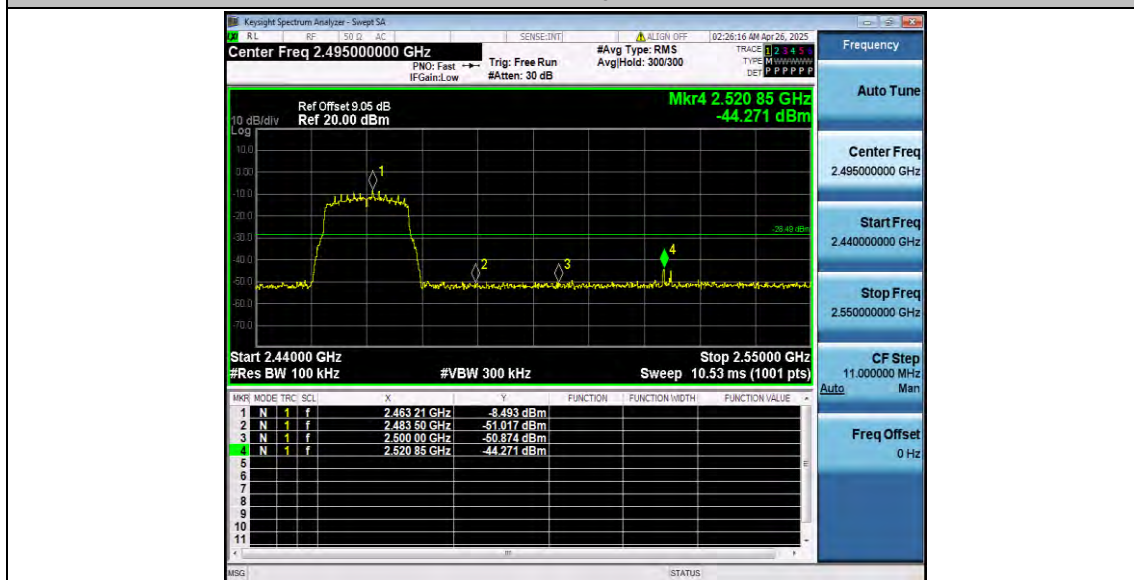
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	-3.46	-49.61	≤ -23.46	PASS
		High	2462	-3.22	-46.98	≤ -23.22	PASS
11G	Ant2	Low	2412	-10.00	-48.57	≤ -30	PASS
		High	2462	-8.49	-44.27	≤ -28.49	PASS
11N20SISO	Ant2	Low	2412	-10.79	-50.28	≤ -30.79	PASS
		High	2462	-7.71	-49.35	≤ -27.71	PASS
11N40SISO	Ant2	Low	2422	-12.97	-49.77	≤ -32.97	PASS
		High	2452	-11.90	-49.75	≤ -31.9	PASS

Test Graphs

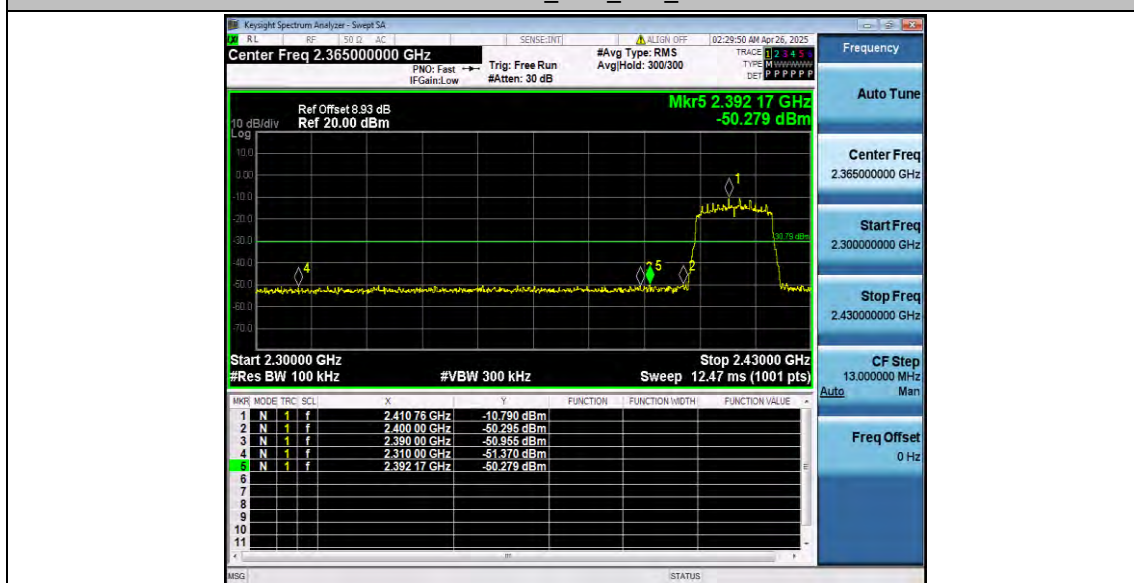




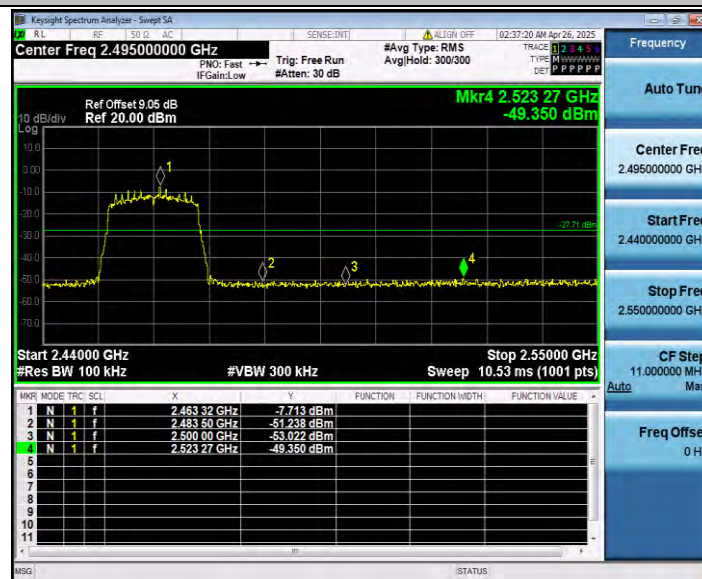
11G_Ant2_High_2462



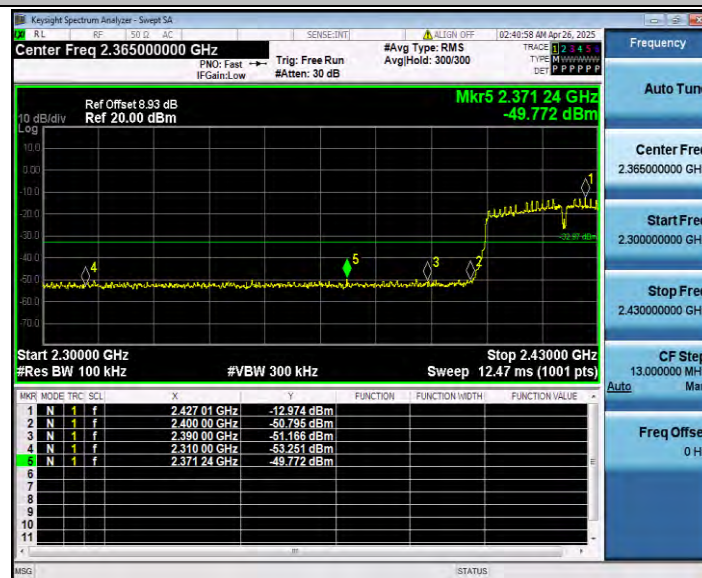
11N20SISO_Ant2_Low_2412



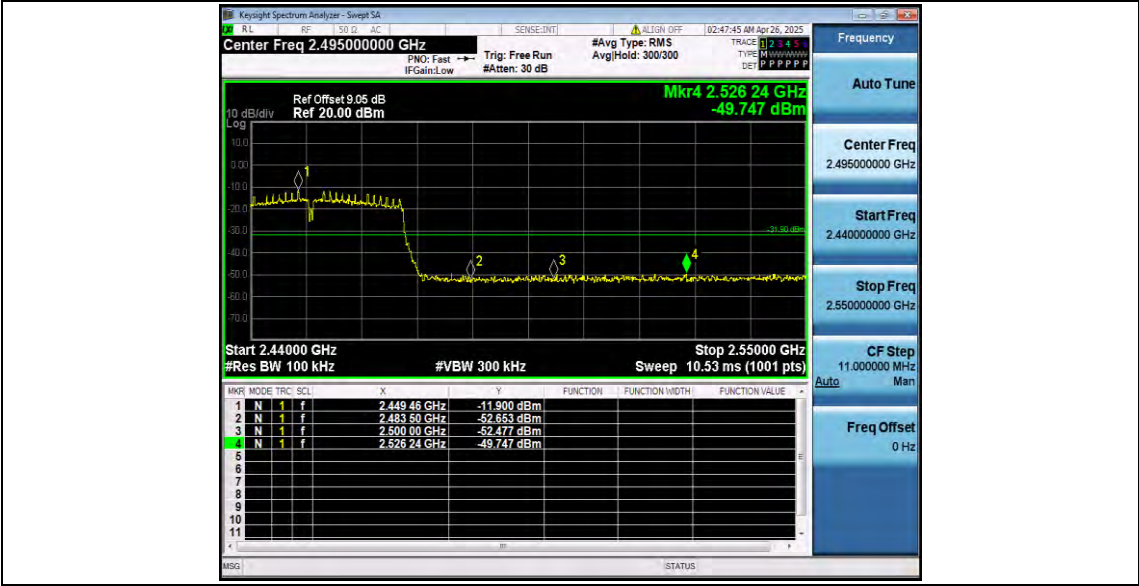
11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

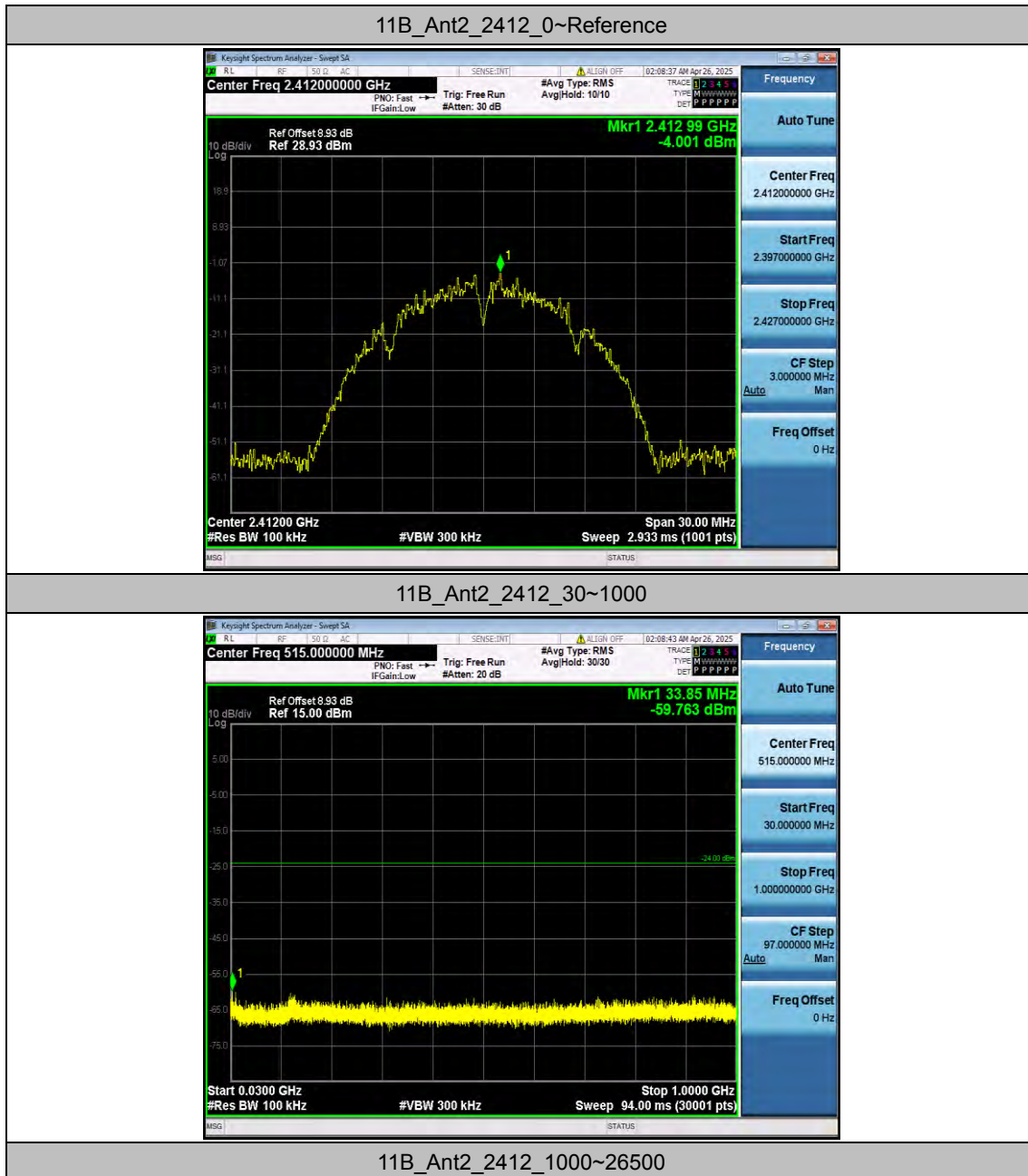


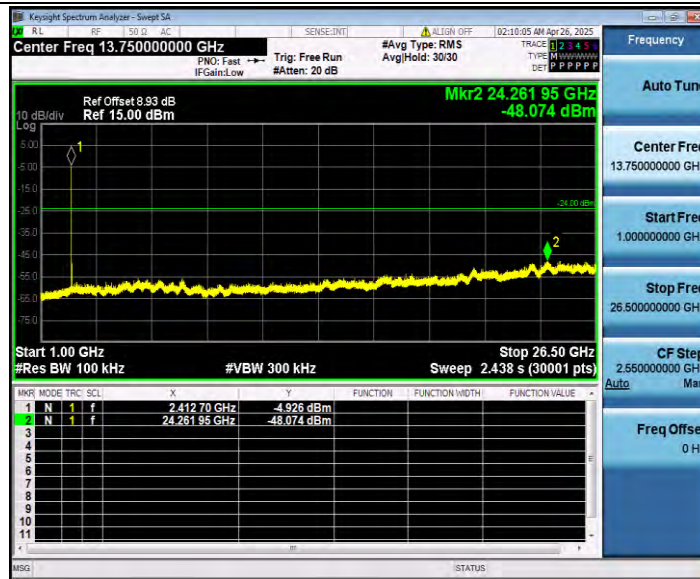
Appendix A.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	-4.00	-4.00	---	PASS
			30~1000	-4.00	-59.76	≤ -24	PASS
			1000~26500	-4.00	-48.07	≤ -24	PASS
		2437	Reference	-3.72	-3.72	---	PASS
			30~1000	-3.72	-60.3	≤ -23.72	PASS
			1000~26500	-3.72	-47.71	≤ -23.72	PASS
		2462	Reference	-3.91	-3.91	---	PASS
			30~1000	-3.91	-58.92	≤ -23.91	PASS
			1000~26500	-3.91	-47.1	≤ -23.91	PASS
11G	Ant2	2412	Reference	-12.81	-12.81	---	PASS
			30~1000	-12.81	-60.67	≤ -32.81	PASS
			1000~26500	-12.81	-47.39	≤ -32.81	PASS
		2437	Reference	-11.91	-11.91	---	PASS
			30~1000	-11.91	-60.75	≤ -31.91	PASS
			1000~26500	-11.91	-47.66	≤ -31.91	PASS
		2462	Reference	-11.75	-11.75	---	PASS
			30~1000	-11.75	-60.69	≤ -31.75	PASS
			1000~26500	-11.75	-47.32	≤ -31.75	PASS
11N20SISO	Ant2	2412	Reference	-11.82	-11.82	---	PASS
			30~1000	-11.82	-60.24	≤ -31.82	PASS
			1000~26500	-11.82	-47.66	≤ -31.82	PASS
		2437	Reference	-11.68	-11.68	---	PASS
			30~1000	-11.68	-60.48	≤ -31.68	PASS
			1000~26500	-11.68	-46.71	≤ -31.68	PASS
		2462	Reference	-10.88	-10.88	---	PASS
			30~1000	-10.88	-60.3	≤ -30.88	PASS
			1000~26500	-10.88	-47.43	≤ -30.88	PASS
11N40SISO	Ant2	2422	Reference	-13.50	-13.50	---	PASS
			30~1000	-13.50	-60.71	≤ -33.5	PASS
			1000~26500	-13.50	-47.24	≤ -33.5	PASS
		2437	Reference	-12.74	-12.74	---	PASS
			30~1000	-12.74	-60.33	≤ -32.74	PASS
			1000~26500	-12.74	-47.13	≤ -32.74	PASS
		2452	Reference	-12.07	-12.07	---	PASS
			30~1000	-12.07	-60.34	≤ -32.07	PASS
			1000~26500	-12.07	-47.17	≤ -32.07	PASS

Test Graphs

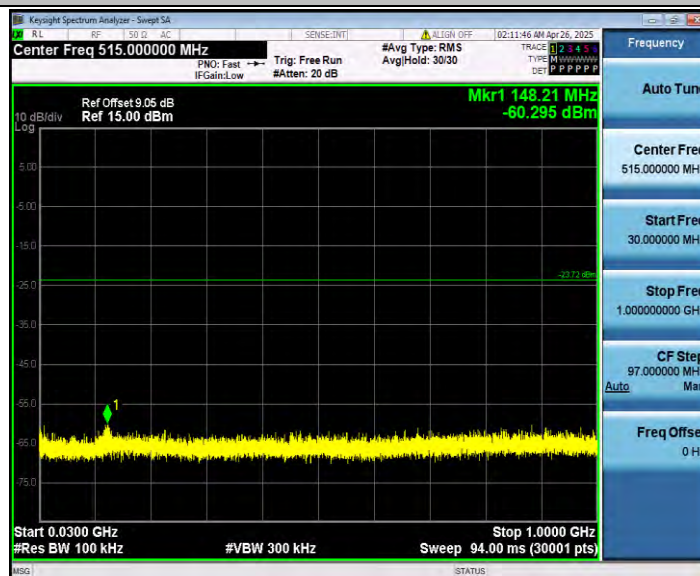




11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



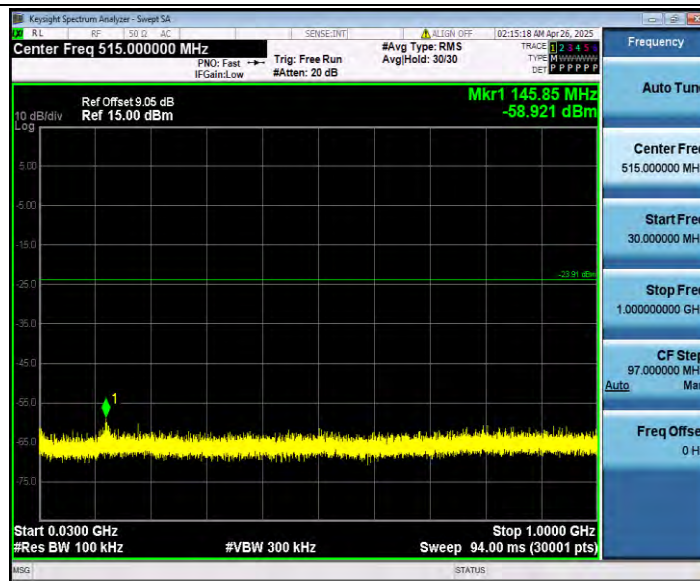
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000

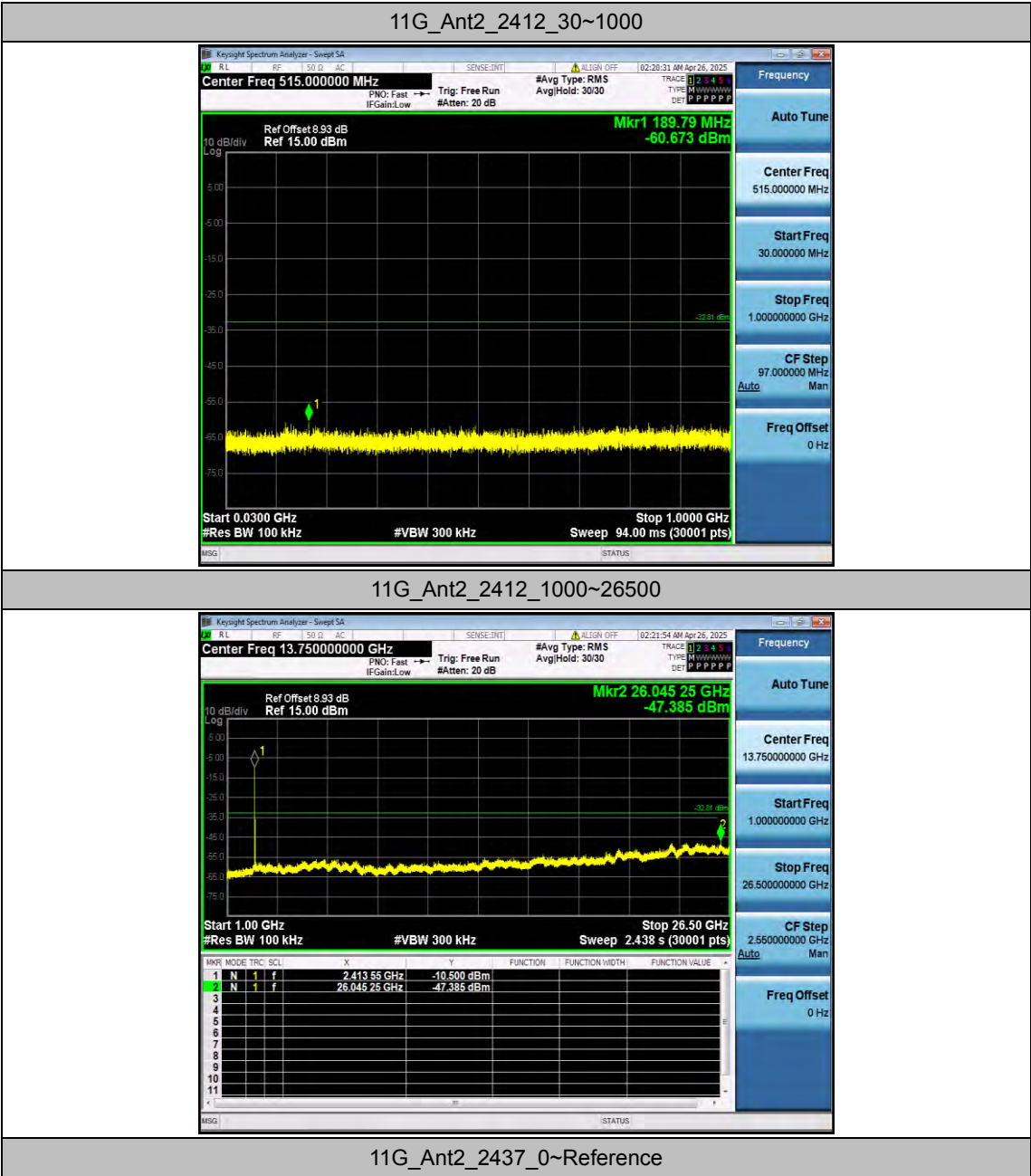


11B_Ant2_2462_1000~26500



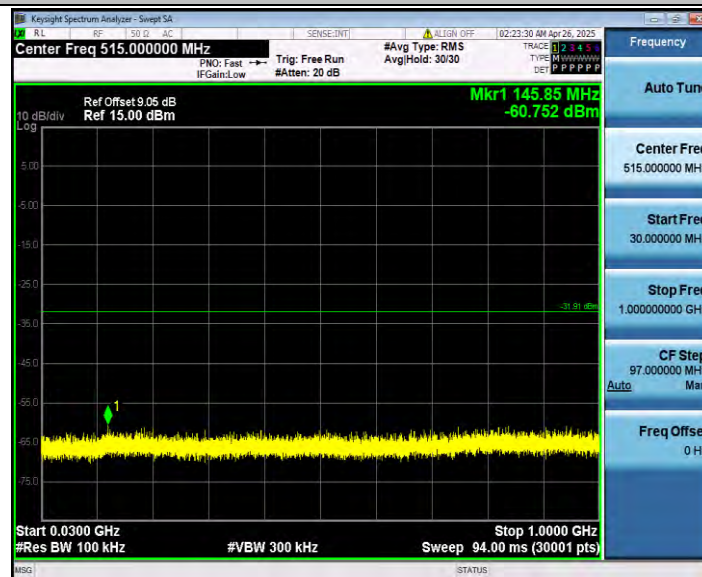
11G_Ant2_2412_0~Reference







11G_Ant2_2437_30~1000



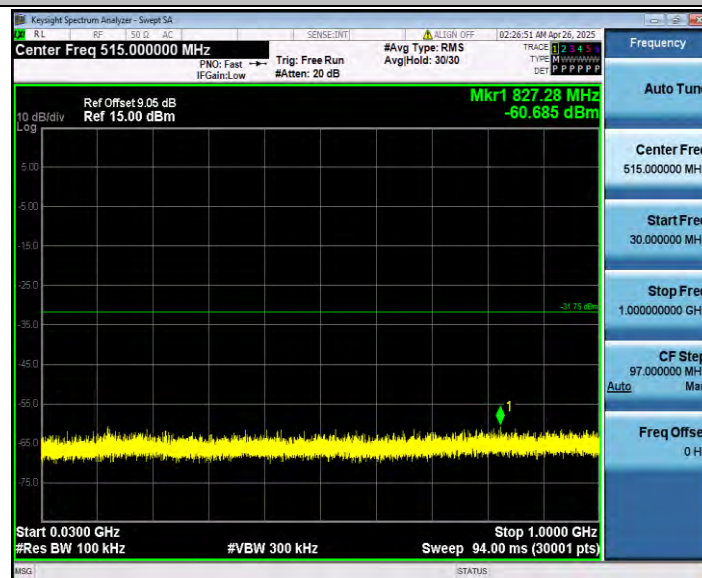
11G_Ant2_2437_1000~26500



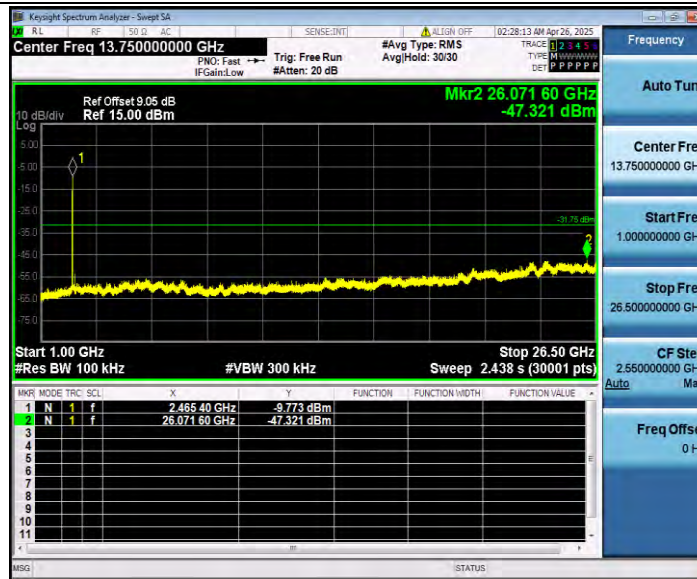
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



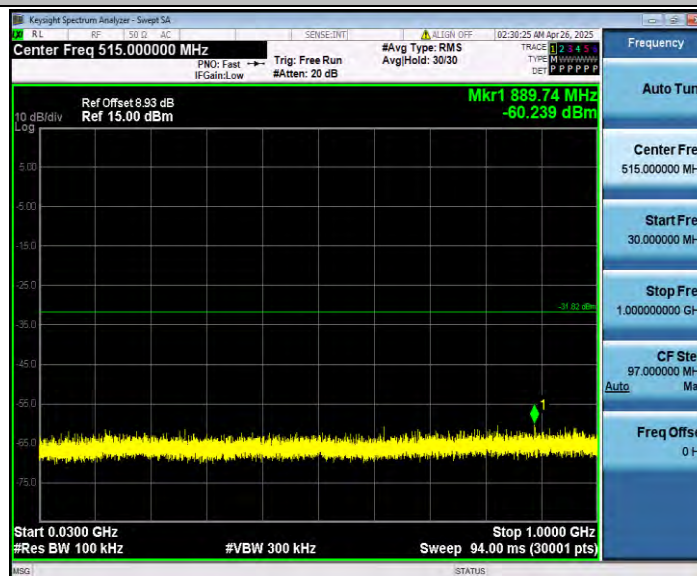
11G_Ant2_2462_1000~26500



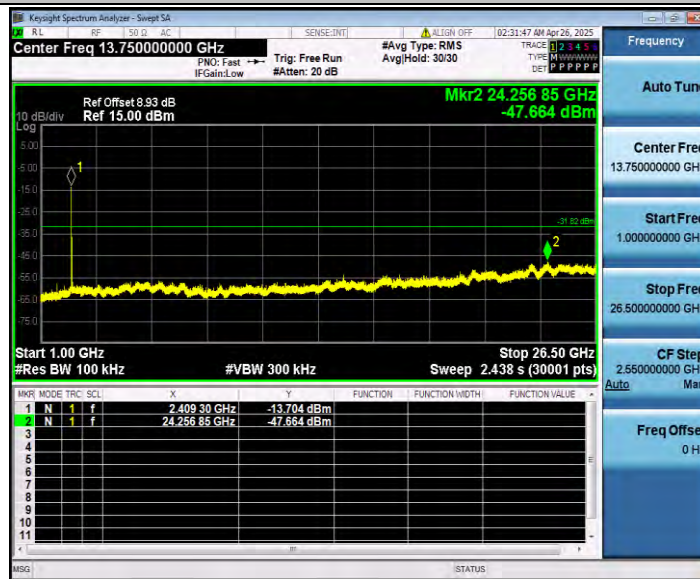
11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



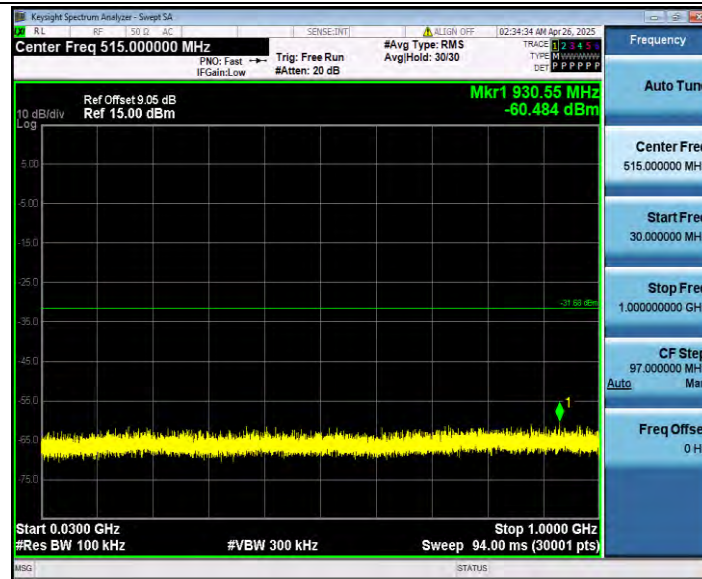
11N20SISO_Ant2_2412_1000~26500



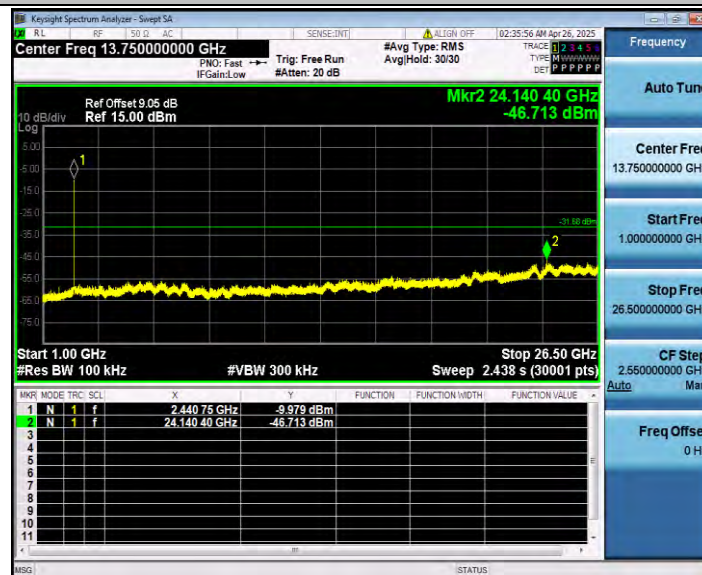
11N20SISO_Ant2_2437_0~Reference



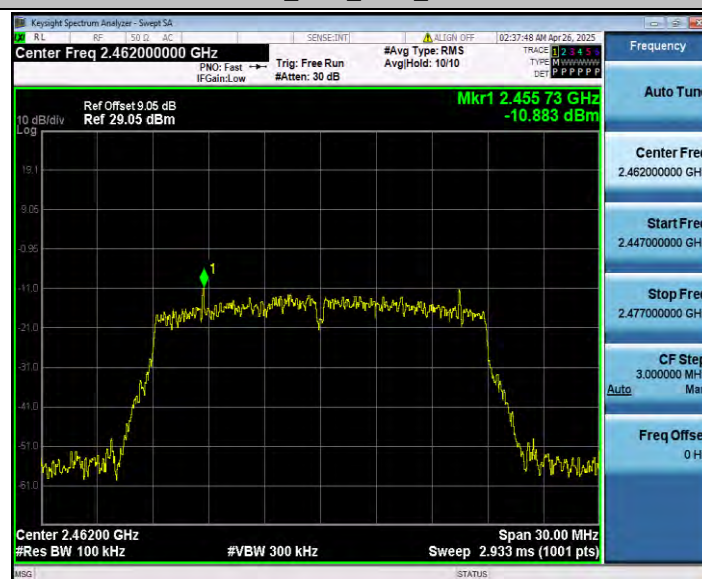
11N20SISO_Ant2_2437_30~1000



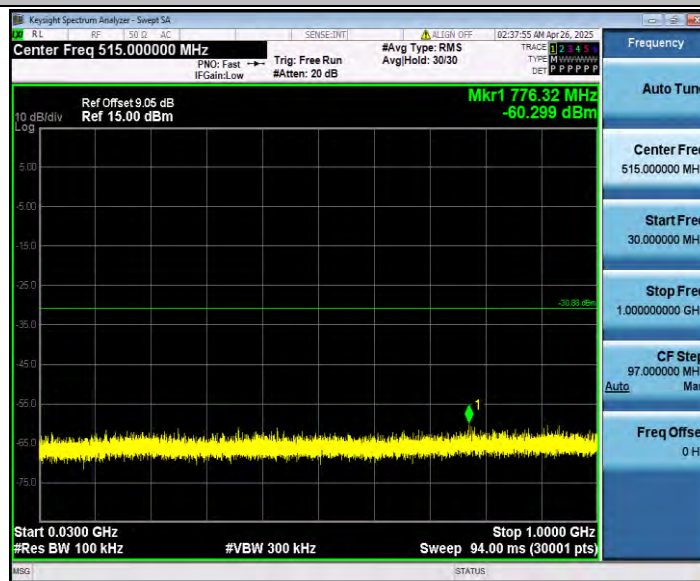
11N20SISO_Ant2_2437_1000~26500



11N20SISO_Ant2_2462_0~Reference



11N20SISO_Ant2_2462_30~1000



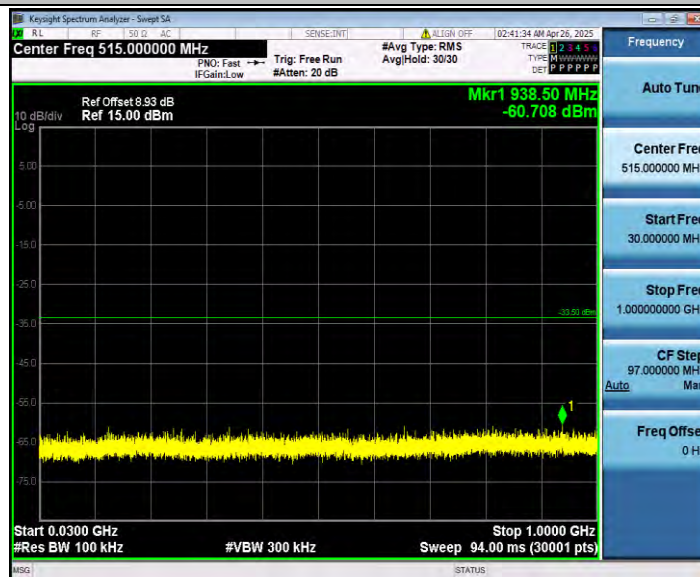
11N20SISO_Ant2_2462_1000~26500



11N40SISO_Ant2_2422_0~Reference



11N40SISO_Ant2_2422_30~1000



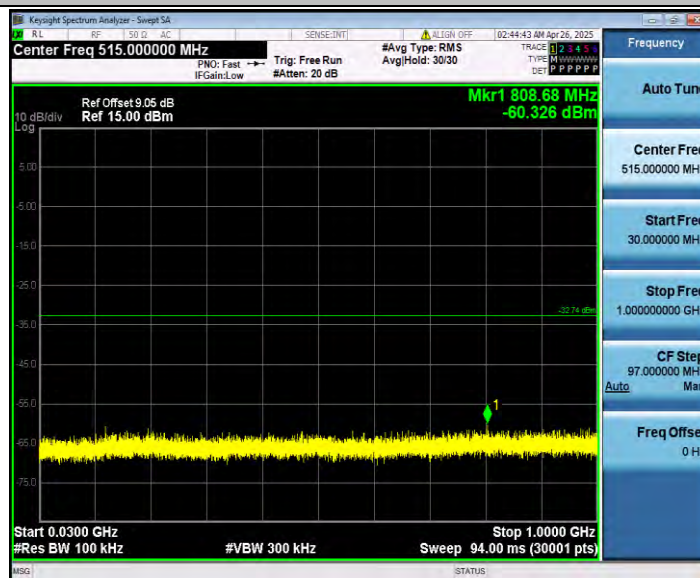
11N40SISO_Ant2_2422_1000~26500



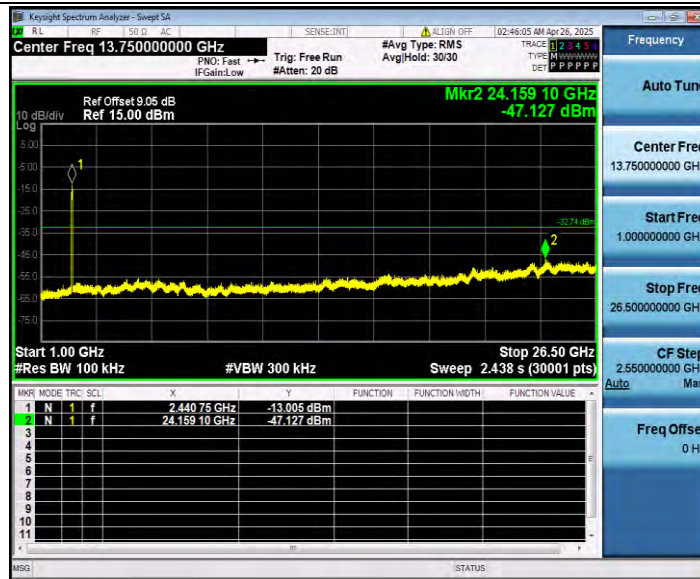
11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000

