

Case No. : <u>GTS20250407018-2-05</u>	
Ambient Condition: <u>22</u> °C, <u>49</u> %RH,	
Test Date: <u>2025.4.25</u>	Test Engineer: <u>Evan ouyang</u>

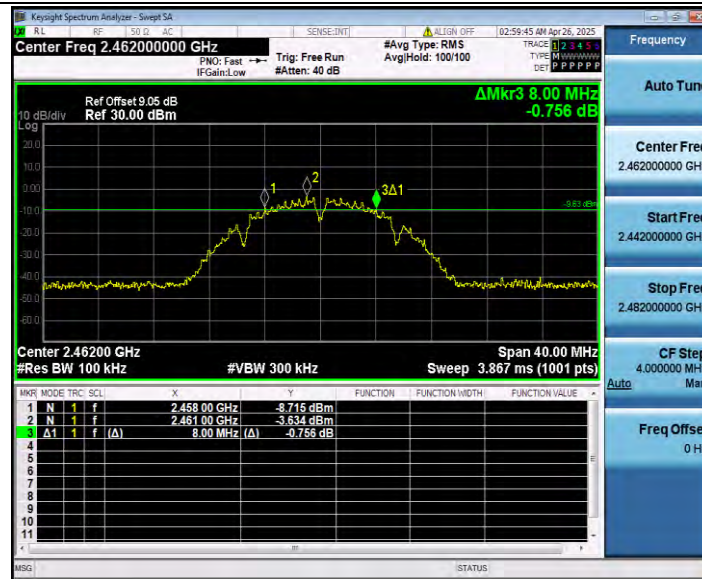
Appendix A.1: DTS Bandwidth

Test Result

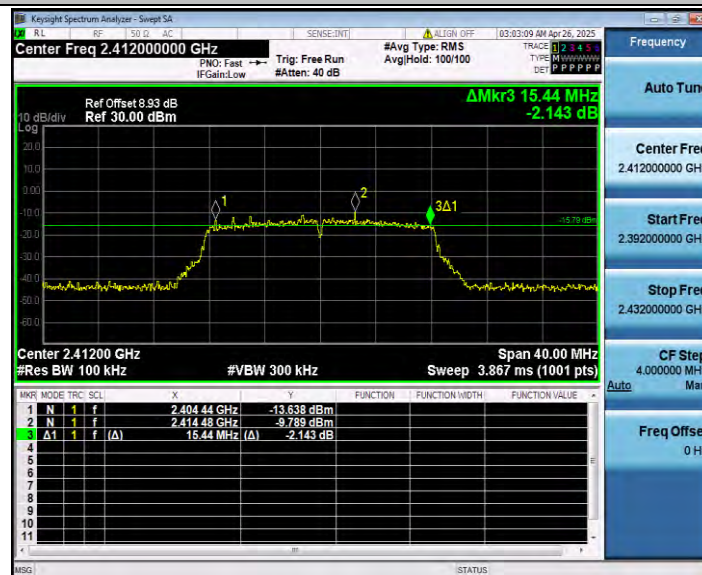
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.120	2408.440	2415.560	0.5	PASS
		2437	7.120	2433.440	2440.560	0.5	PASS
		2462	8.000	2458.000	2466.000	0.5	PASS
11G	Ant1	2412	15.440	2404.440	2419.880	0.5	PASS
		2437	15.080	2429.480	2444.560	0.5	PASS
		2462	12.600	2456.960	2469.560	0.5	PASS
11N20SISO	Ant1	2412	17.160	2403.600	2420.760	0.5	PASS
		2437	14.400	2430.120	2444.520	0.5	PASS
		2462	16.560	2454.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	33.760	2405.760	2439.520	0.5	PASS
		2437	25.120	2424.440	2449.560	0.5	PASS
		2452	35.600	2433.840	2469.440	0.5	PASS

Test Graphs

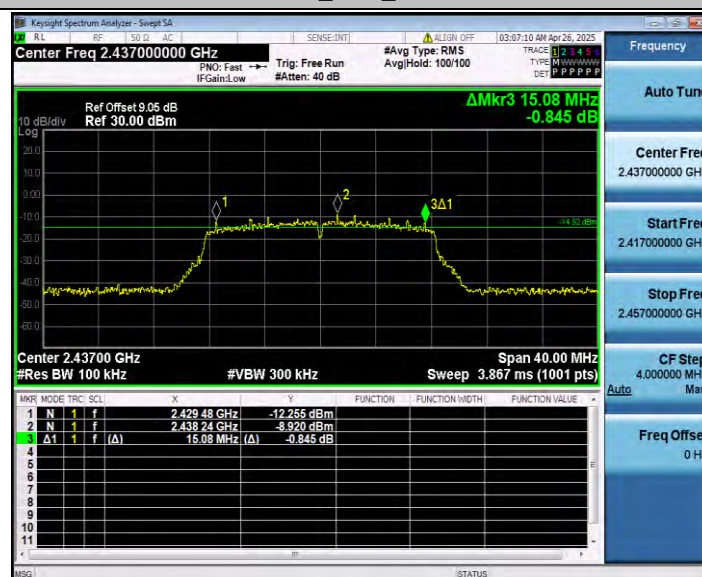




11G_Ant1_2412



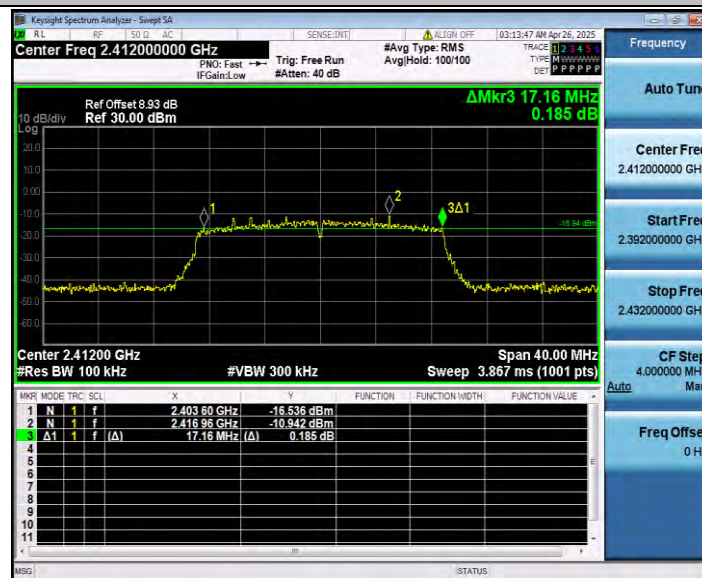
11G_Ant1_2437



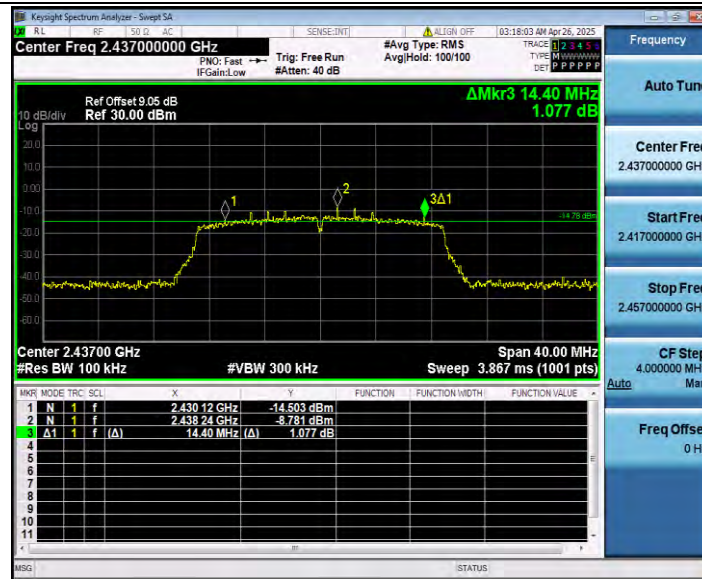
11G_Ant1_2462



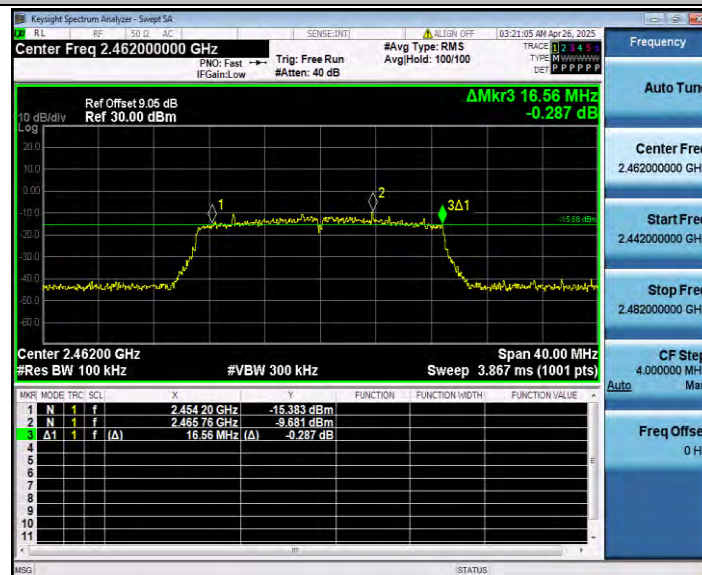
11N20SISO_Ant1_2412



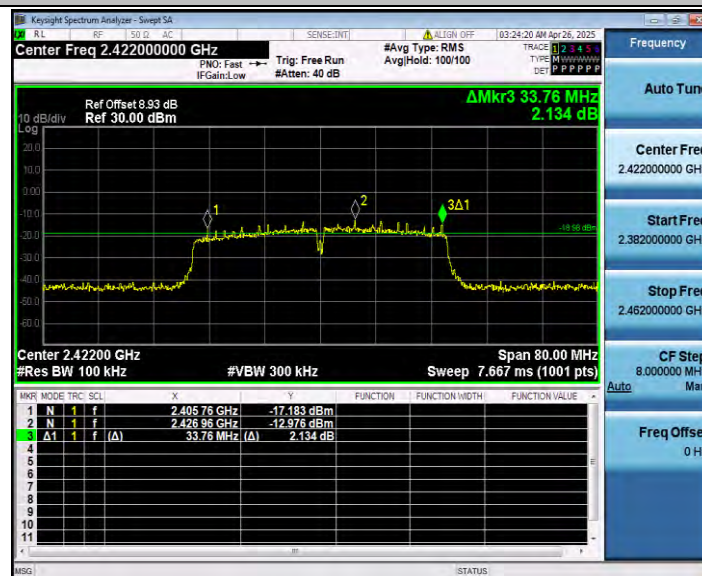
11N20SISO_Ant1_2437



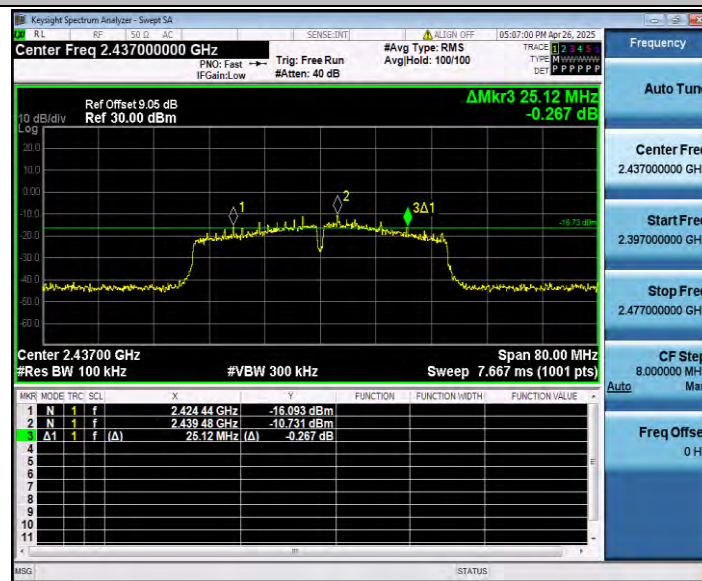
11N20SISO_Ant1_2462



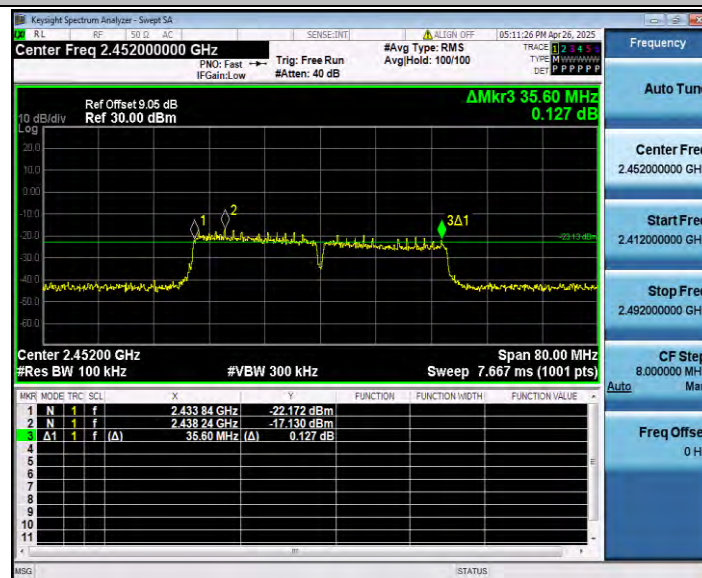
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

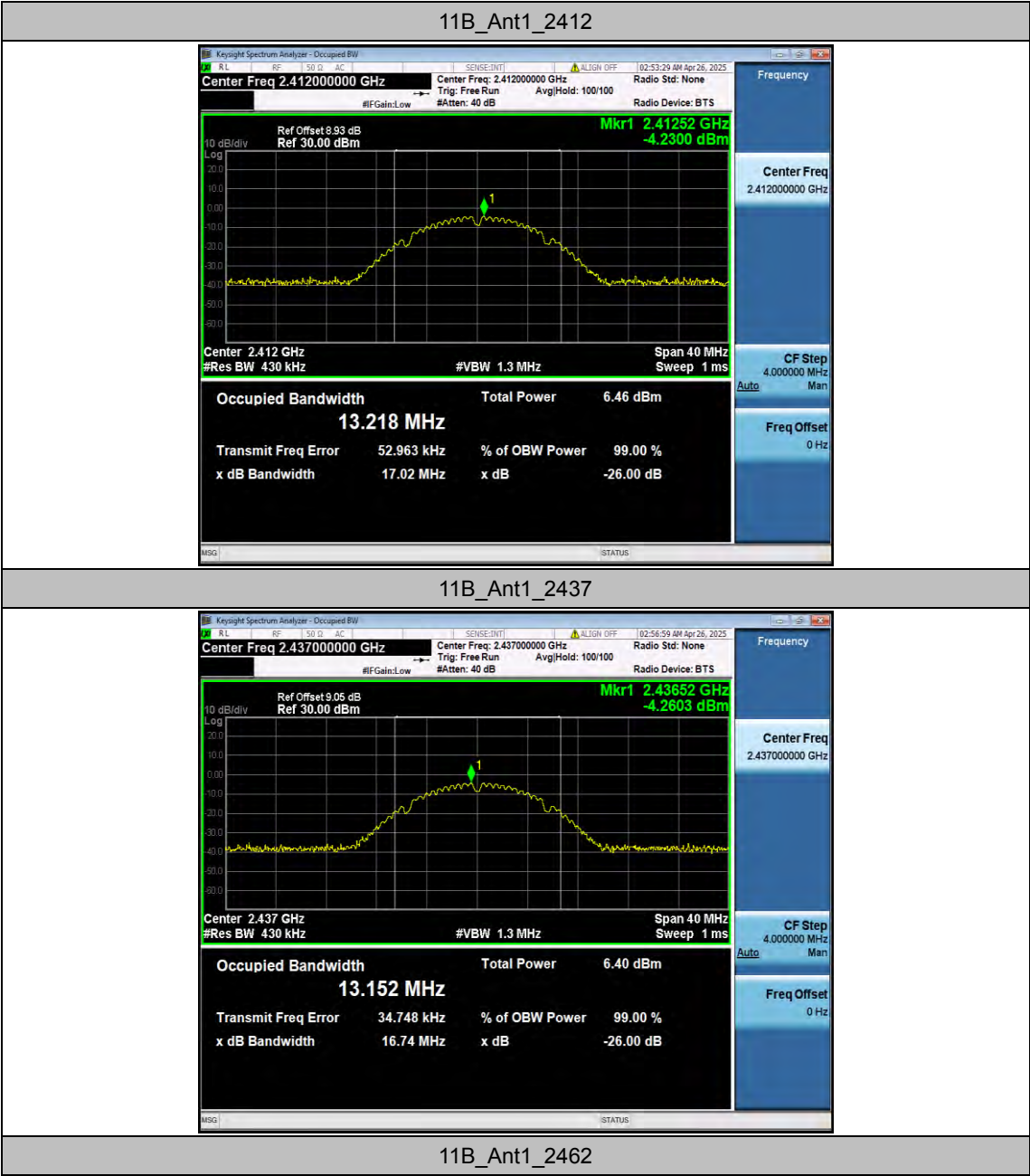


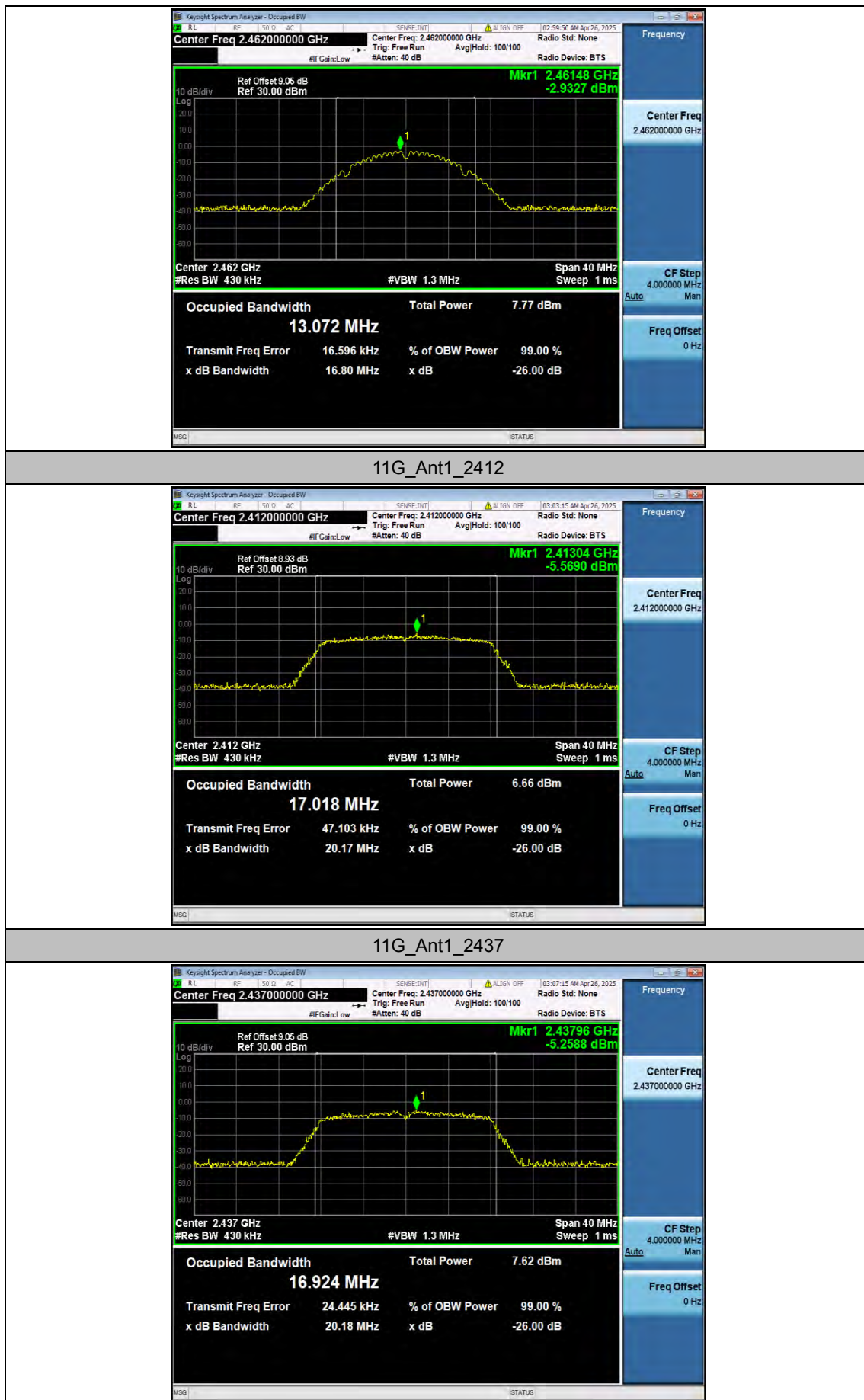
Appendix A.2: Occupied Channel Bandwidth

Test Result

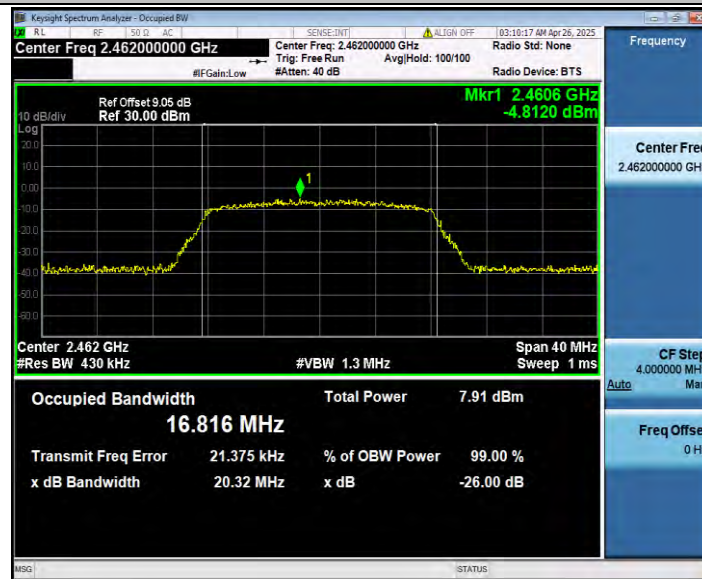
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.218	2405.4440	2418.6620	---	---
		2437	13.152	2430.4588	2443.6108	---	---
		2462	13.072	2455.4806	2468.5526	---	---
11G	Ant1	2412	17.018	2403.5381	2420.5561	---	---
		2437	16.924	2428.5625	2445.4865	---	---
		2462	16.816	2453.6134	2470.4294	---	---
11N20SISO	Ant1	2412	17.951	2403.0901	2421.0411	---	---
		2437	17.878	2428.1214	2445.9994	---	---
		2462	17.946	2453.0311	2470.9771	---	---
11N40SISO	Ant1	2422	36.554	2403.9106	2440.4646	---	---
		2437	35.933	2419.0278	2454.9608	---	---
		2452	38.079	2432.8142	2470.8932	---	---

Test Graphs

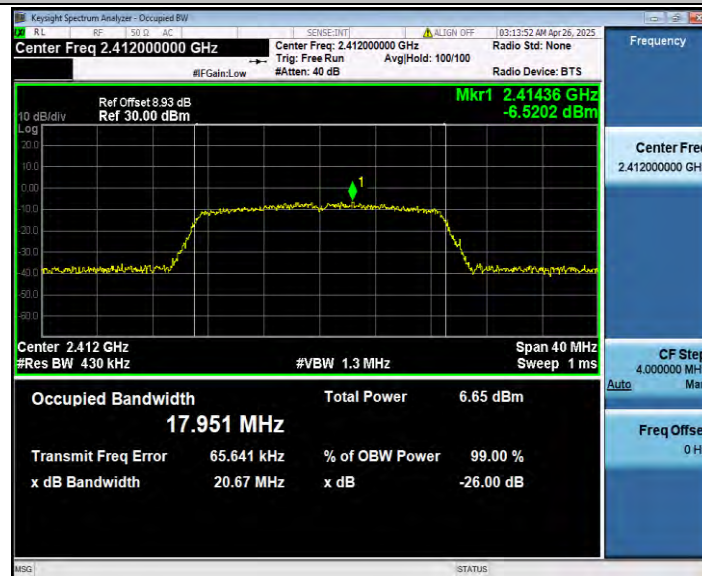




11G_Ant1_2462



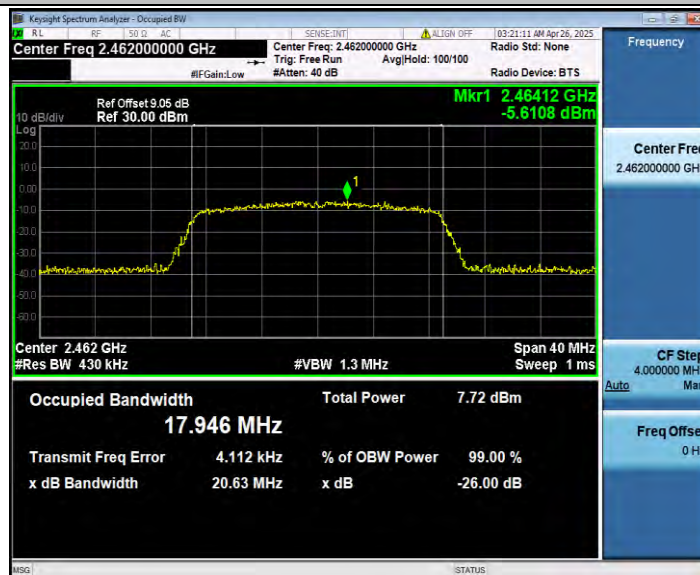
11N20SISO_Ant1_2412



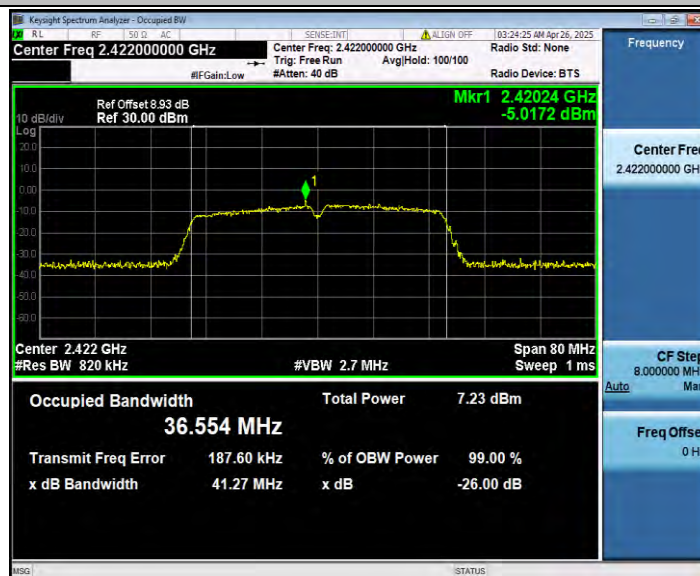
11N20SISO_Ant1_2437



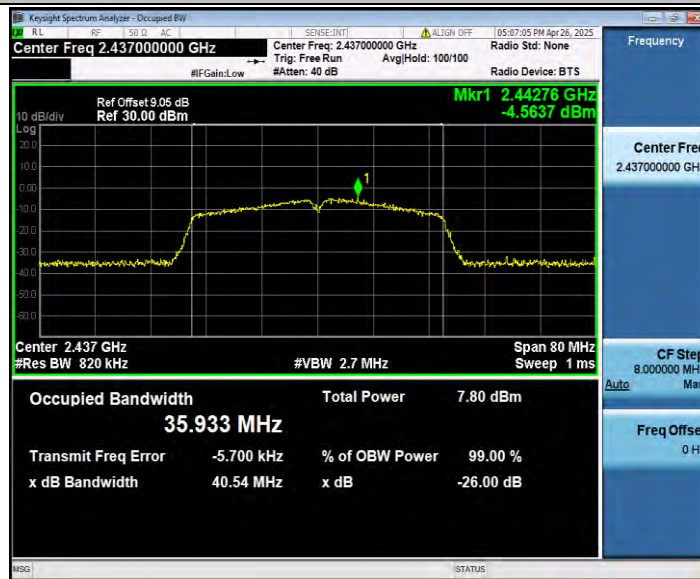
11N20SISO_Ant1_2462



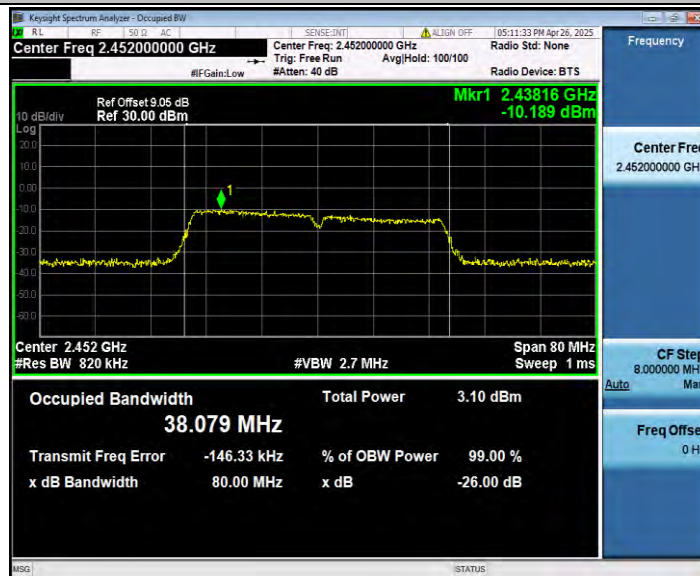
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Result -CHP

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	8.67	≤30.00	PASS
		2437	8.46	≤30.00	PASS
		2462	8.02	≤30.00	PASS
11G	Ant1	2412	8.79	≤30.00	PASS
		2437	8.96	≤30.00	PASS
		2462	8.06	≤30.00	PASS
11N20SISO	Ant1	2412	5.87	≤30.00	PASS
		2437	5.74	≤30.00	PASS
		2462	5.80	≤30.00	PASS
11N40SISO	Ant1	2422	5.56	≤30.00	PASS
		2437	5.77	≤30.00	PASS
		2452	5.71	≤30.00	PASS

Appendix A.4: Maximum power spectral density

Test Result

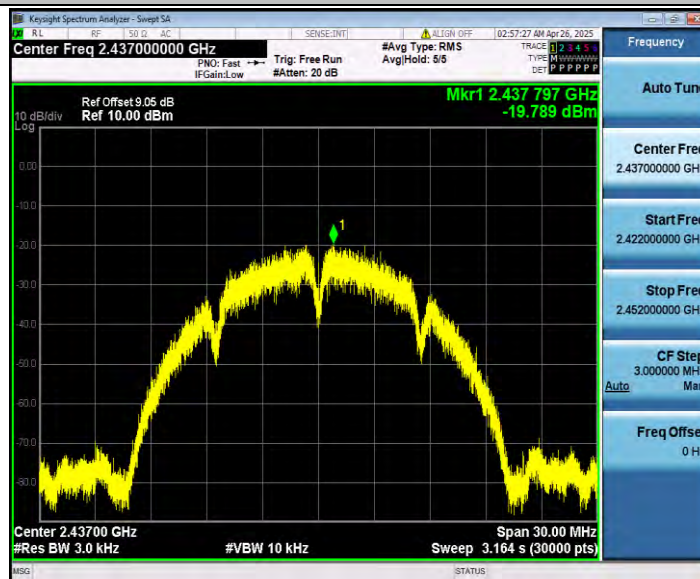
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.71	≤8.00	PASS
		2437	-19.79	≤8.00	PASS
		2462	-17.51	≤8.00	PASS
11G	Ant1	2412	-23.69	≤8.00	PASS
		2437	-23.28	≤8.00	PASS
		2462	-21.51	≤8.00	PASS
11N20SISO	Ant1	2412	-23.48	≤8.00	PASS
		2437	-23.24	≤8.00	PASS
		2462	-21.87	≤8.00	PASS
11N40SISO	Ant1	2422	-27.35	≤8.00	PASS
		2437	-25.44	≤8.00	PASS
		2452	-30.01	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



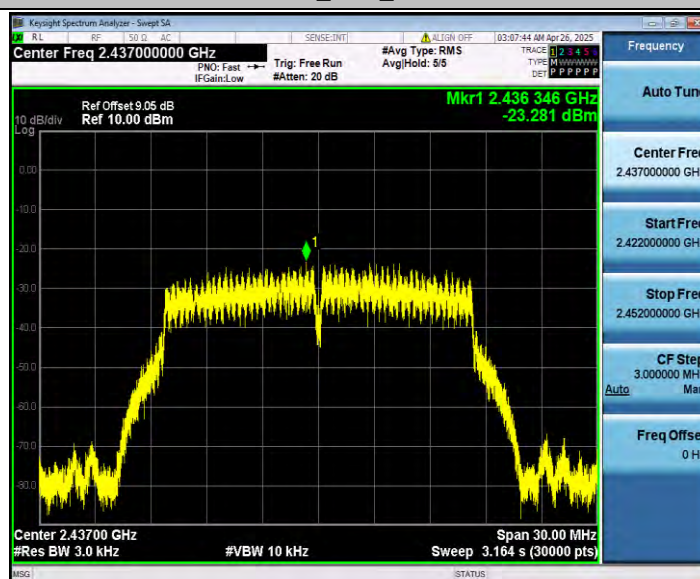
11B_Ant1_2462



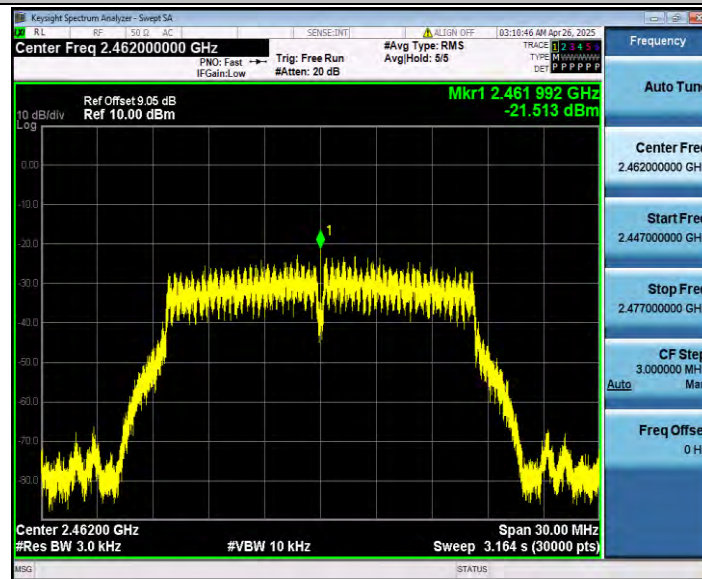
11G_Ant1_2412



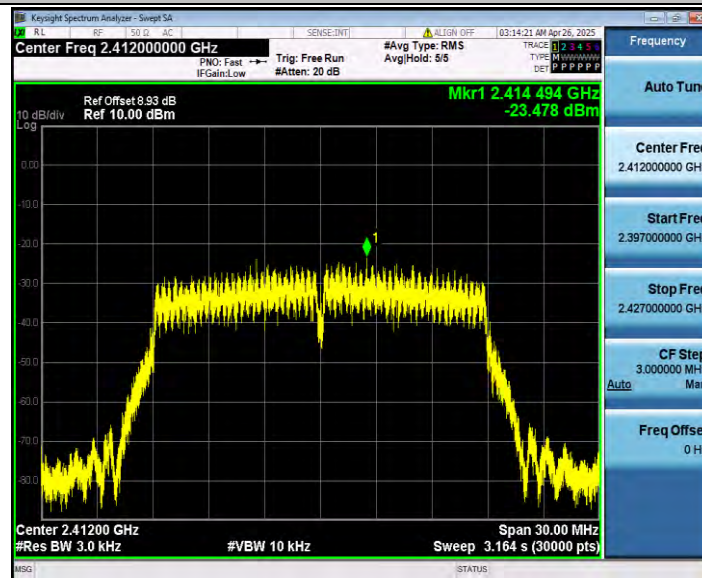
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



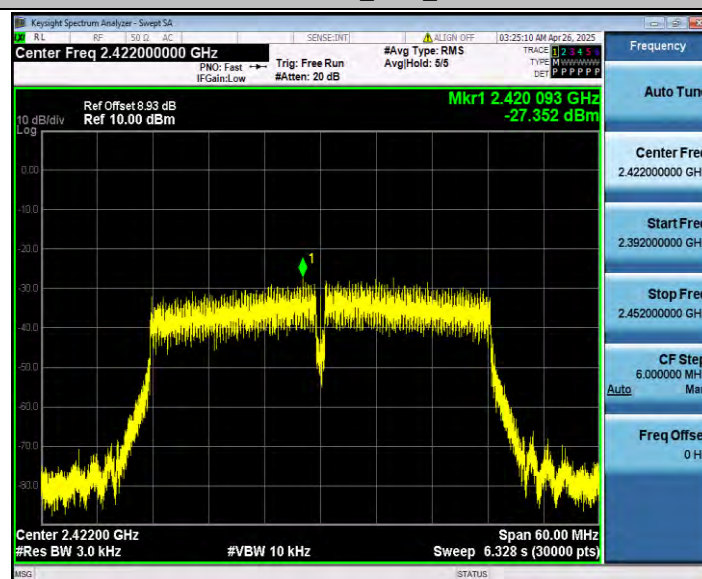
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



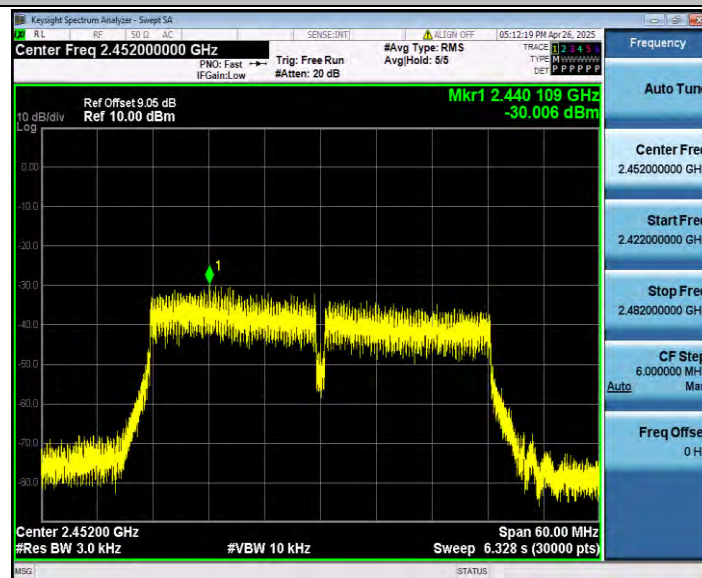
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

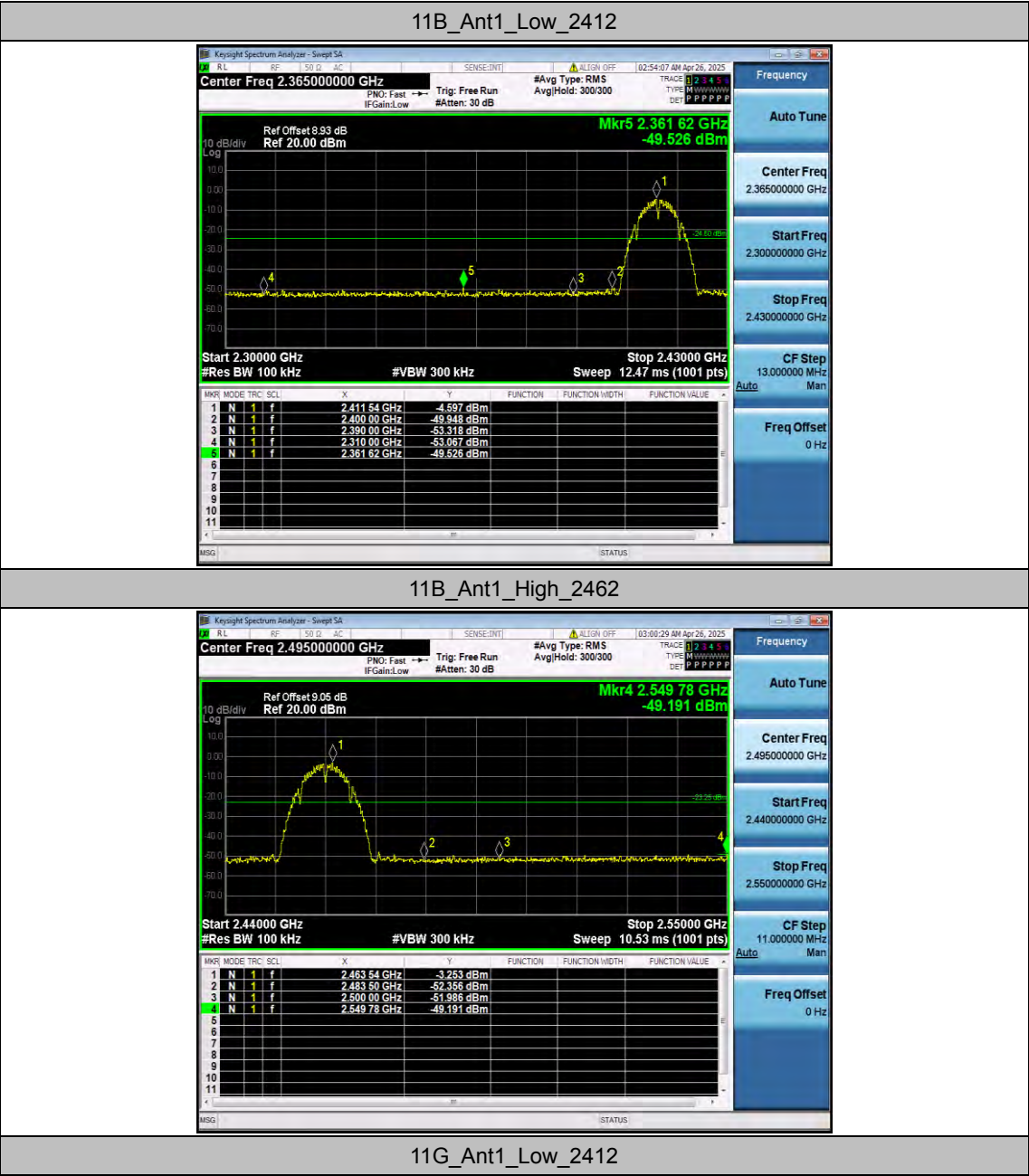


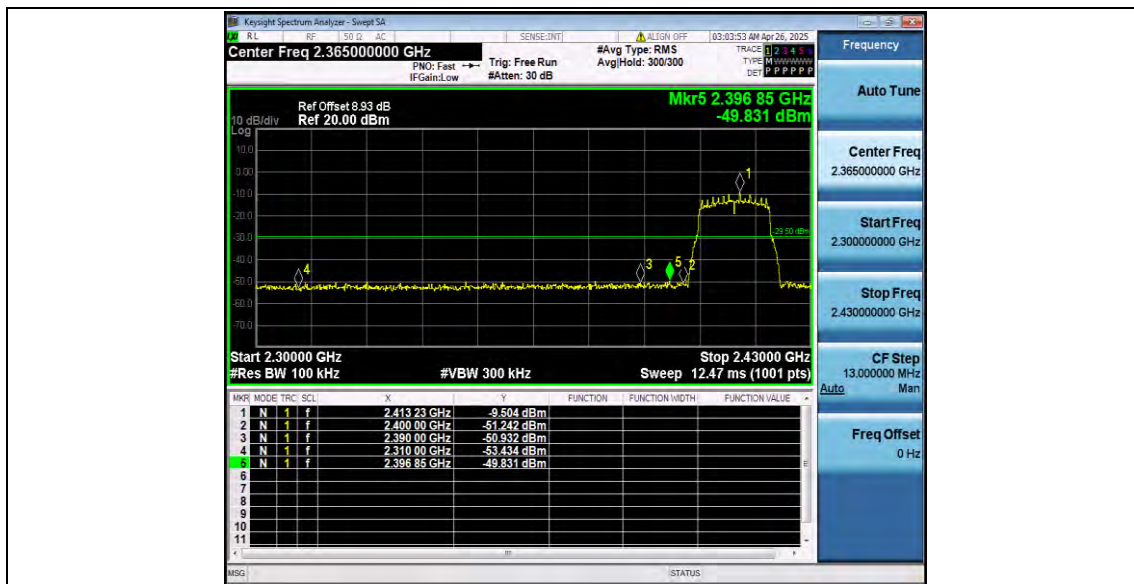
Appendix A.5: Band edge measurements

Test Result

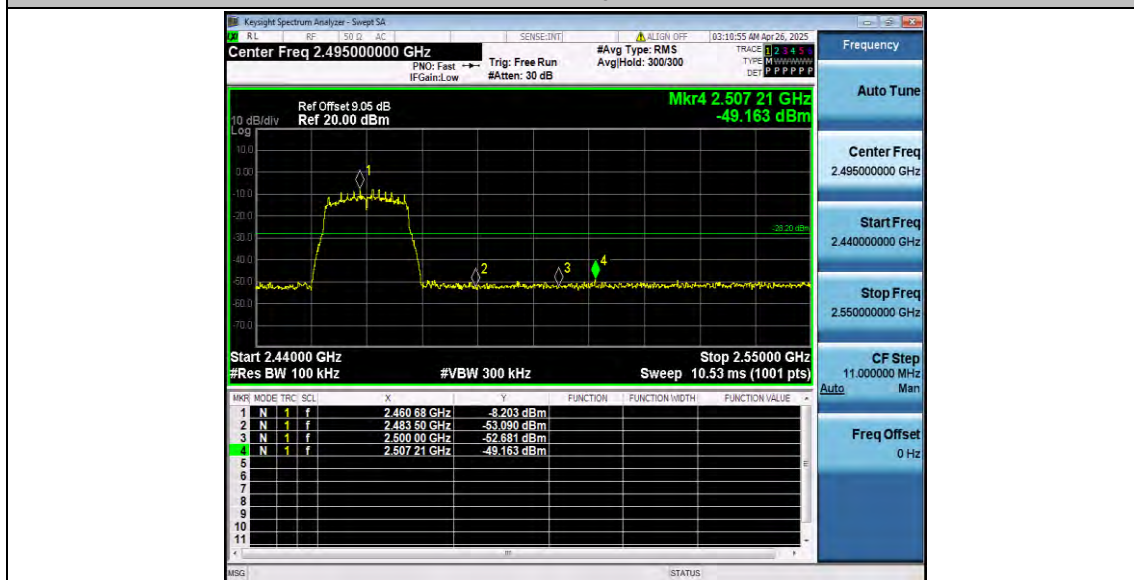
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-4.60	-49.53	≤ -24.6	PASS
		High	2462	-3.25	-49.19	≤ -23.25	PASS
11G	Ant1	Low	2412	-9.50	-49.83	≤ -29.5	PASS
		High	2462	-8.20	-49.16	≤ -28.2	PASS
11N20SISO	Ant1	Low	2412	-9.49	-49.75	≤ -29.49	PASS
		High	2462	-8.66	-48.89	≤ -28.66	PASS
11N40SISO	Ant1	Low	2422	-12.63	-49.04	≤ -32.63	PASS
		High	2452	-16.49	-49.53	≤ -36.49	PASS

Test Graphs

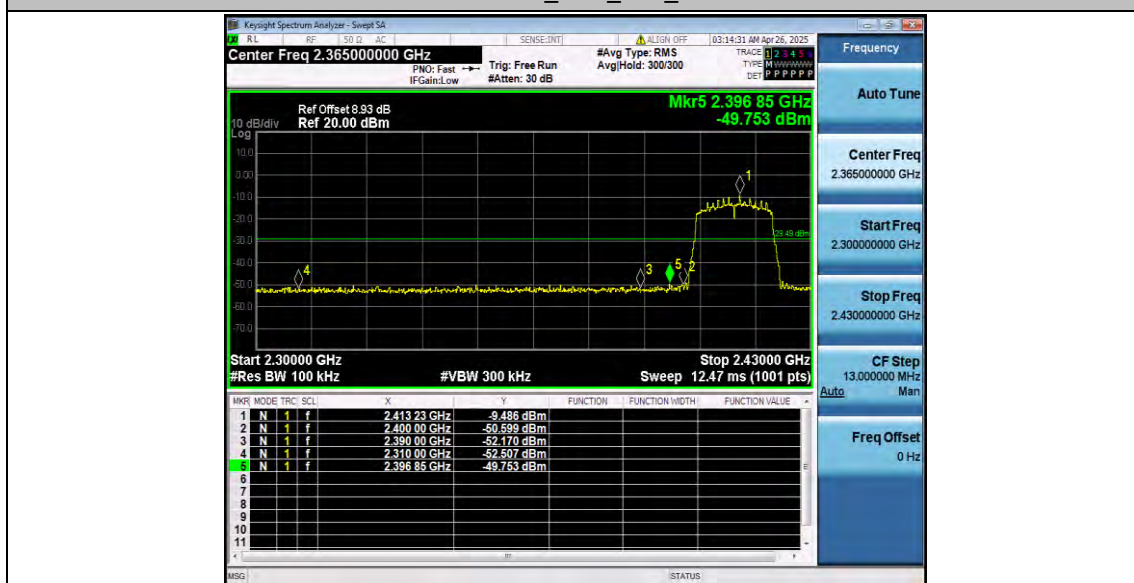




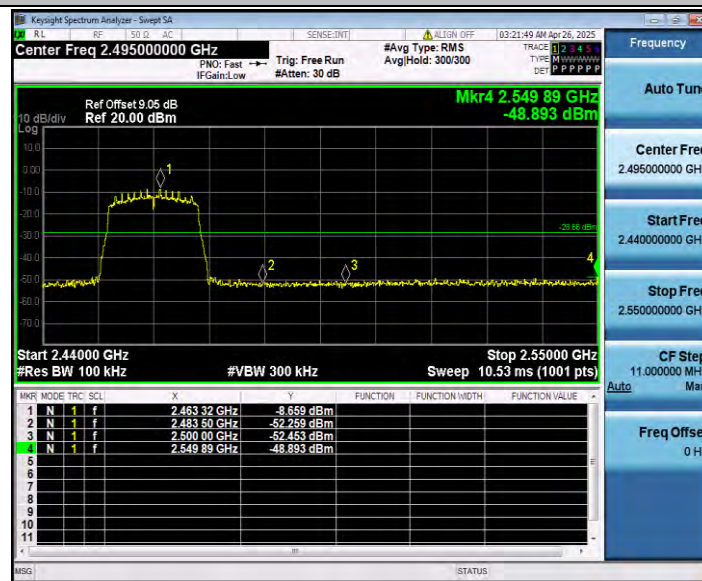
11G_Ant1_High_2462



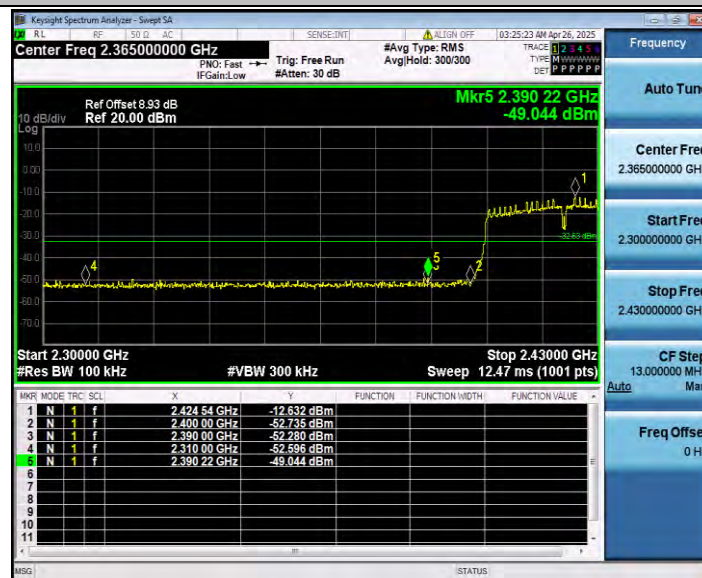
11N20SISO_Ant1_Low_2412



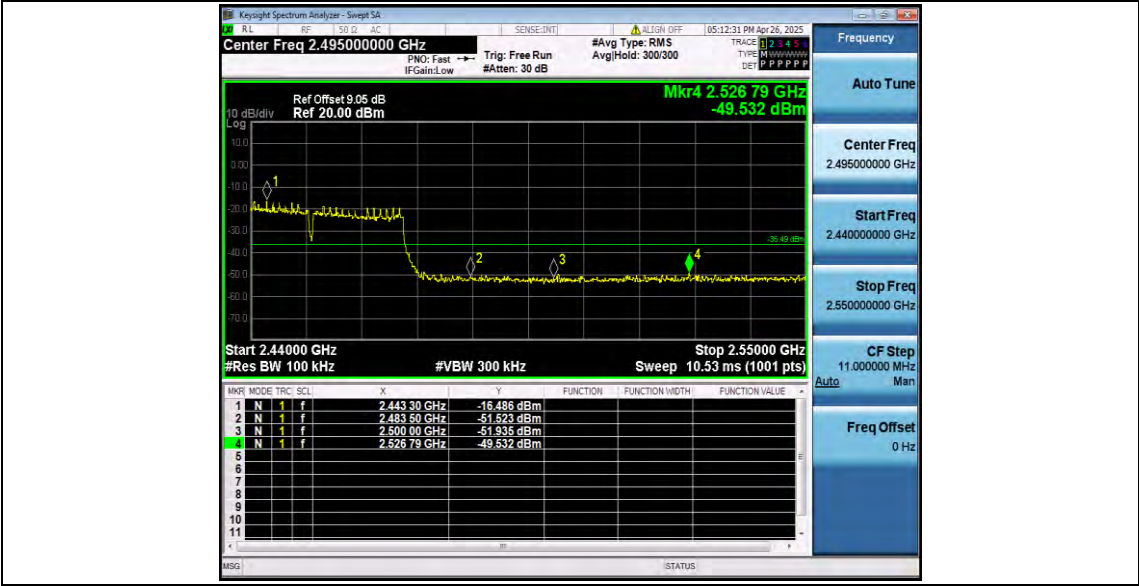
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

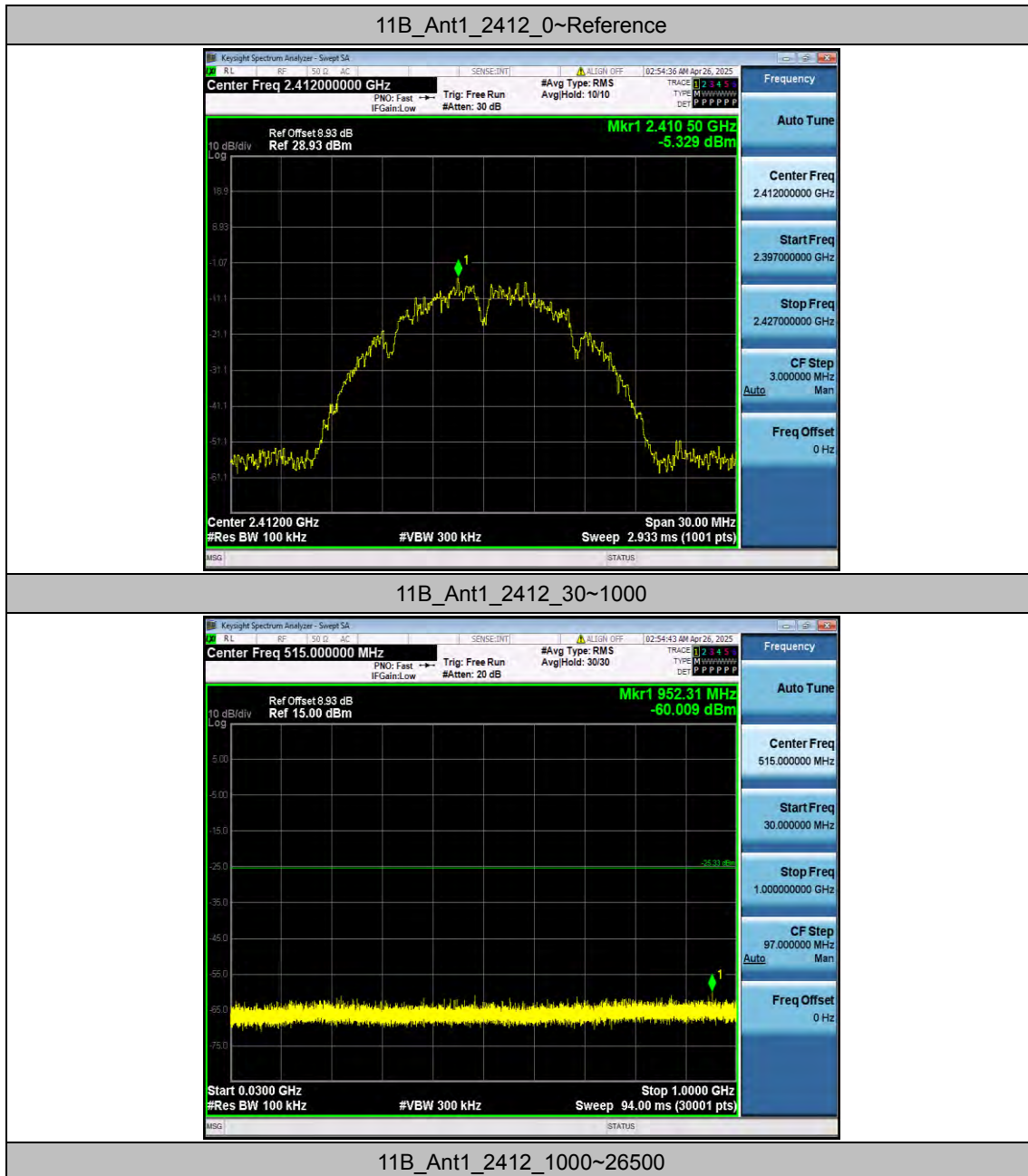


Appendix A.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-5.33	-5.33	---	PASS
			30~1000	-5.33	-60.01	≤ -25.33	PASS
			1000~26500	-5.33	-47.06	≤ -25.33	PASS
		2437	Reference	-6.16	-6.16	---	PASS
			30~1000	-6.16	-59.52	≤ -26.16	PASS
			1000~26500	-6.16	-46.89	≤ -26.16	PASS
		2462	Reference	-5.57	-5.57	---	PASS
			30~1000	-5.57	-59.93	≤ -25.57	PASS
			1000~26500	-5.57	-46.16	≤ -25.57	PASS
11G	Ant1	2412	Reference	-12.31	-12.31	---	PASS
			30~1000	-12.31	-60.74	≤ -32.31	PASS
			1000~26500	-12.31	-48.04	≤ -32.31	PASS
		2437	Reference	-8.93	-8.93	---	PASS
			30~1000	-8.93	-60.51	≤ -28.93	PASS
			1000~26500	-8.93	-47.71	≤ -28.93	PASS
		2462	Reference	-11.66	-11.66	---	PASS
			30~1000	-11.66	-60.41	≤ -31.66	PASS
			1000~26500	-11.66	-47.61	≤ -31.66	PASS
11N20SISO	Ant1	2412	Reference	-12.18	-12.18	---	PASS
			30~1000	-12.18	-60.71	≤ -32.18	PASS
			1000~26500	-12.18	-44.94	≤ -32.18	PASS
		2437	Reference	-11.02	-11.02	---	PASS
			30~1000	-11.02	-60.49	≤ -31.02	PASS
			1000~26500	-11.02	-47.54	≤ -31.02	PASS
		2462	Reference	-9.10	-9.10	---	PASS
			30~1000	-9.10	-59.55	≤ -29.1	PASS
			1000~26500	-9.10	-47.27	≤ -29.1	PASS
11N40SISO	Ant1	2422	Reference	-13.43	-13.43	---	PASS
			30~1000	-13.43	-60.56	≤ -33.43	PASS
			1000~26500	-13.43	-48.41	≤ -33.43	PASS
		2437	Reference	-17.22	-17.22	---	PASS
			30~1000	-17.22	-59.95	≤ -37.22	PASS
			1000~26500	-17.22	-48.7	≤ -37.22	PASS
		2452	Reference	-18.50	-18.50	---	PASS
			30~1000	-18.50	-60.51	≤ -38.5	PASS
			1000~26500	-18.50	-47.24	≤ -38.5	PASS

Test Graphs

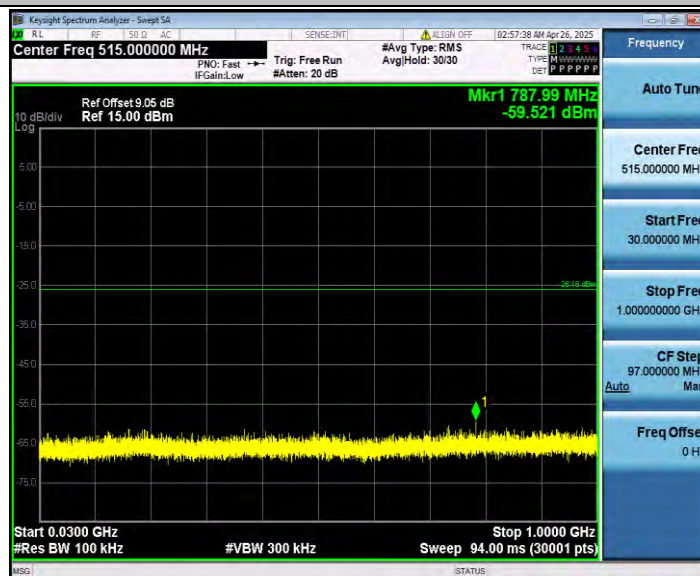




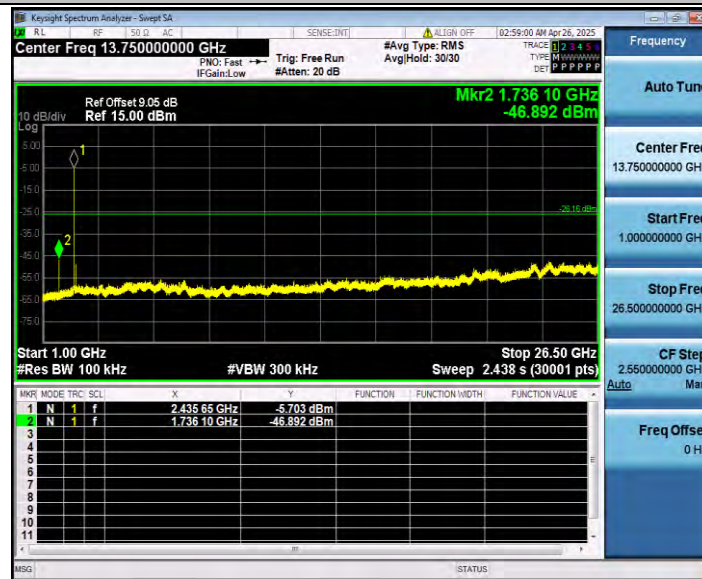
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



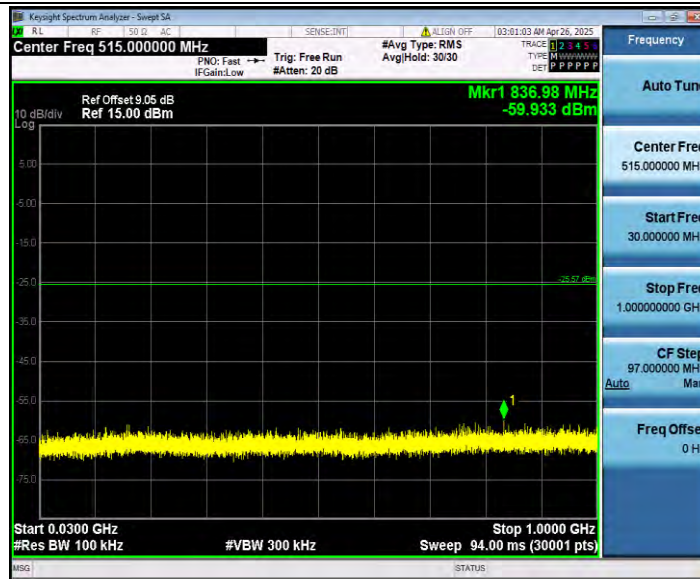
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



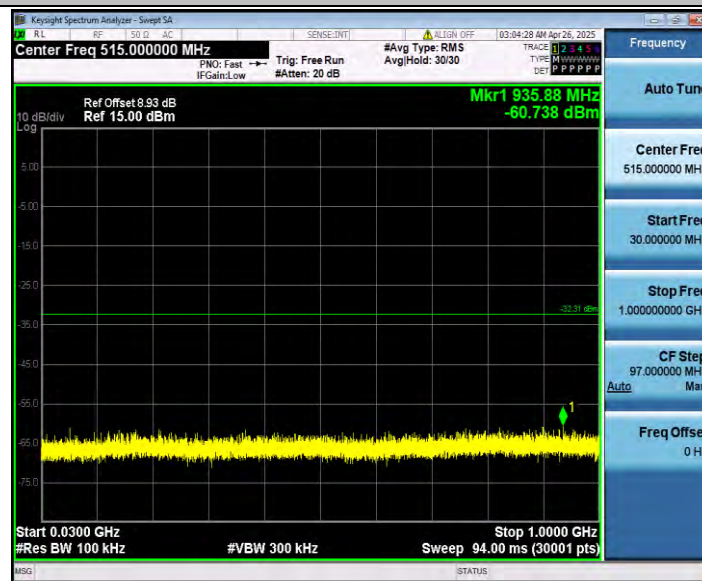
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



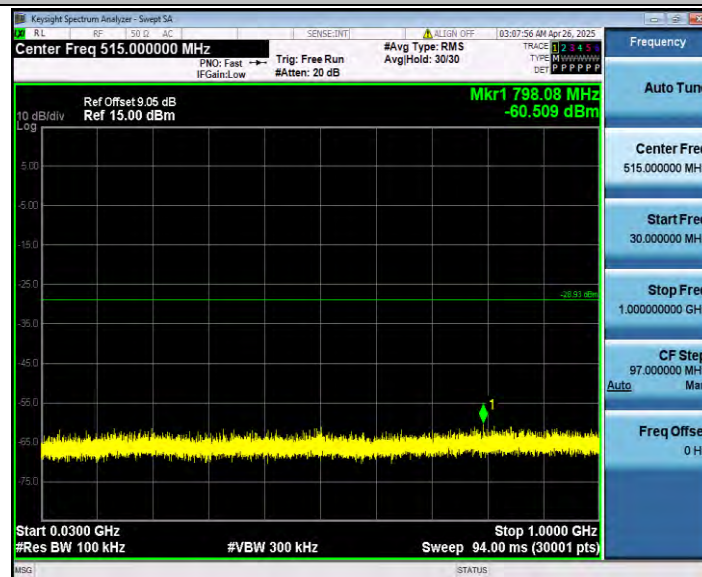
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



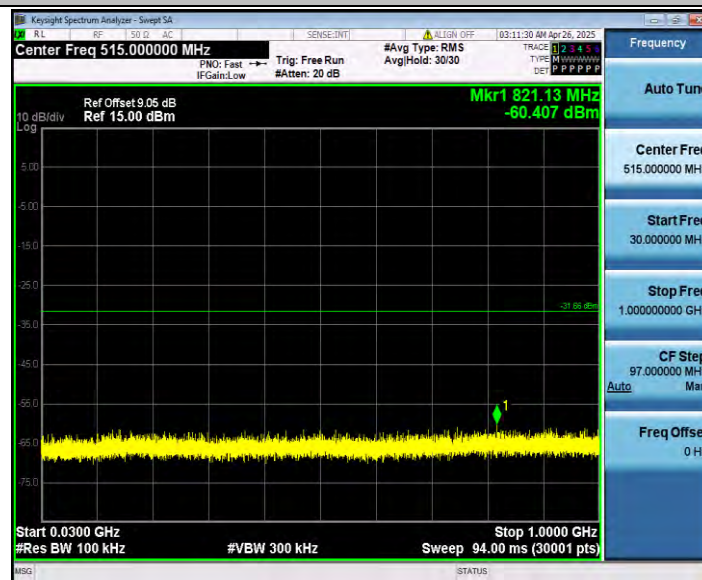
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



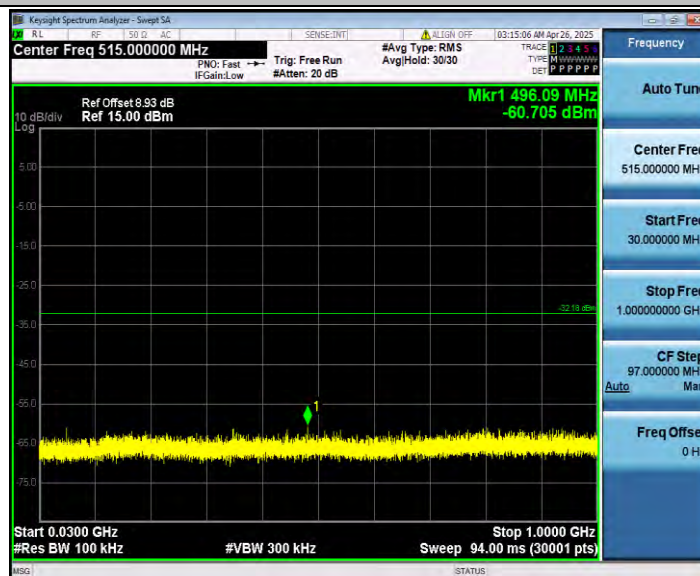
11G_Ant1_2462_1000~26500



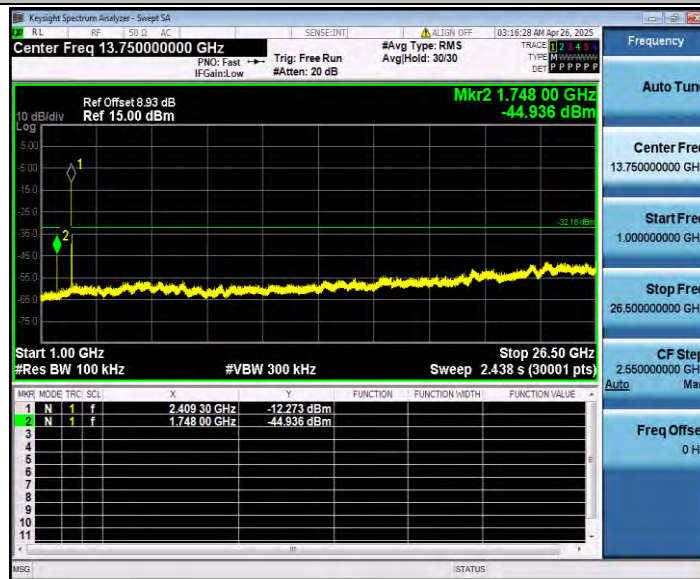
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



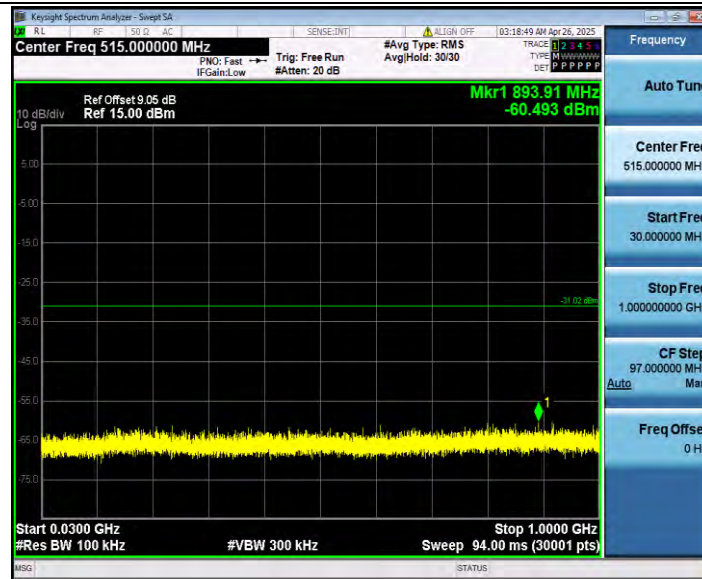
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



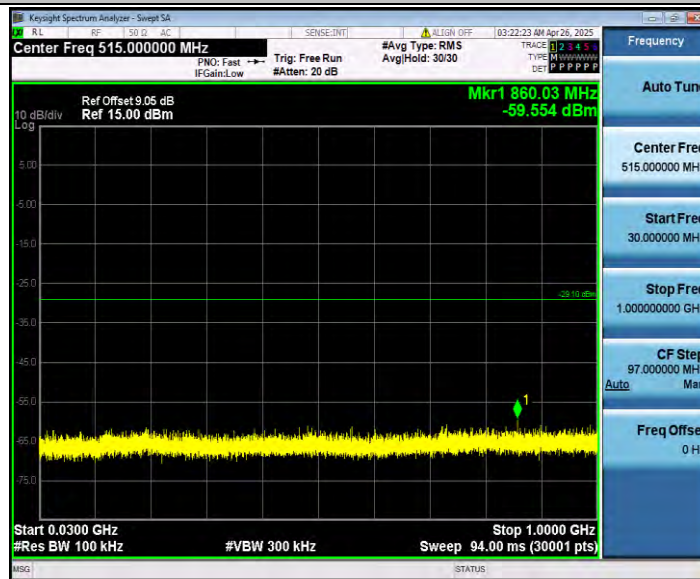
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



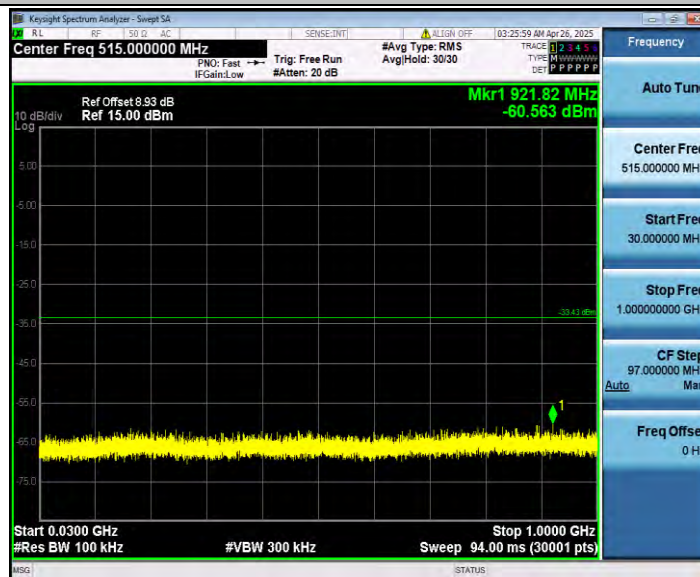
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



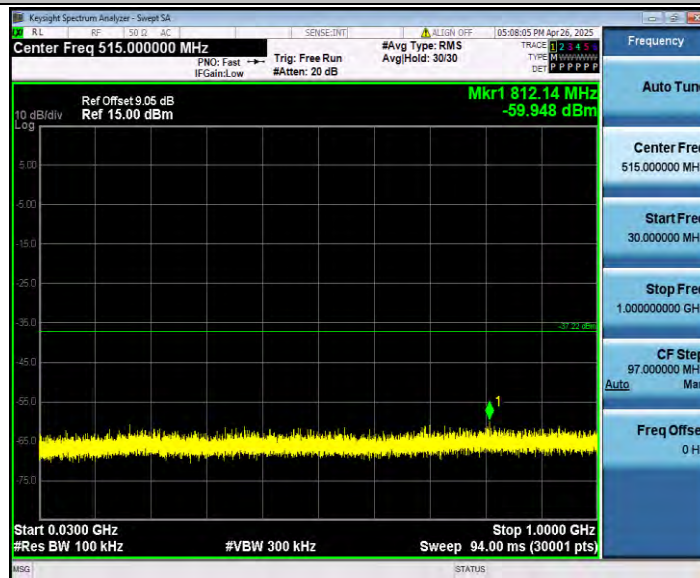
11N40SISO_Ant1_2422_1000~26500



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

