

Case No. : <u>GTS20250213022-1-03</u>	
Ambient Condition: <u>22</u> °C, <u>49</u> %RH,	
Test Date: <u>2025.2.17—2025.3.4</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	Ant1	2412	10.120	2406.920	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.120	2456.920	2467.040	0.5	PASS
11G	Ant1	2412	13.840	2404.480	2418.320	0.5	PASS
		2437	15.040	2429.440	2444.480	0.5	PASS
		2462	14.840	2454.720	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.360	2404.200	2419.560	0.5	PASS
		2437	15.280	2429.480	2444.760	0.5	PASS
		2462	11.000	2456.880	2467.880	0.5	PASS
11N40SISO	Ant1	2422	35.360	2404.480	2439.840	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	23.840	2440.720	2464.560	0.5	PASS

Test Graphs





11G_Ant1_2412



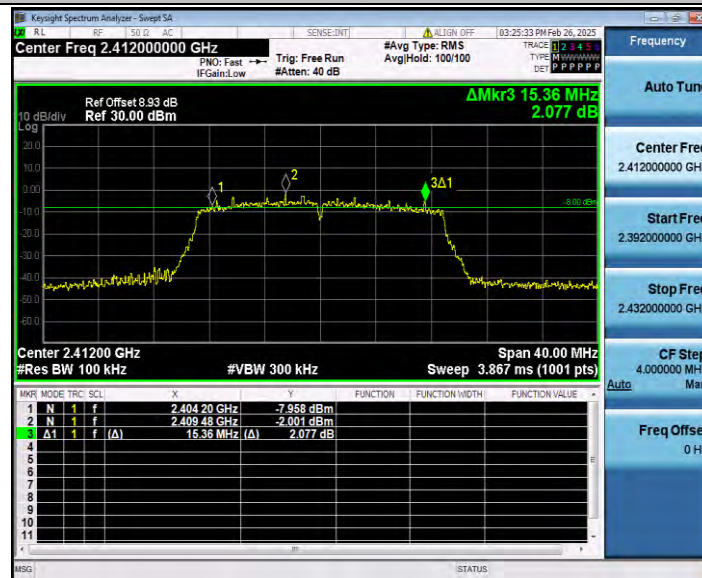
11G_Ant1_2437



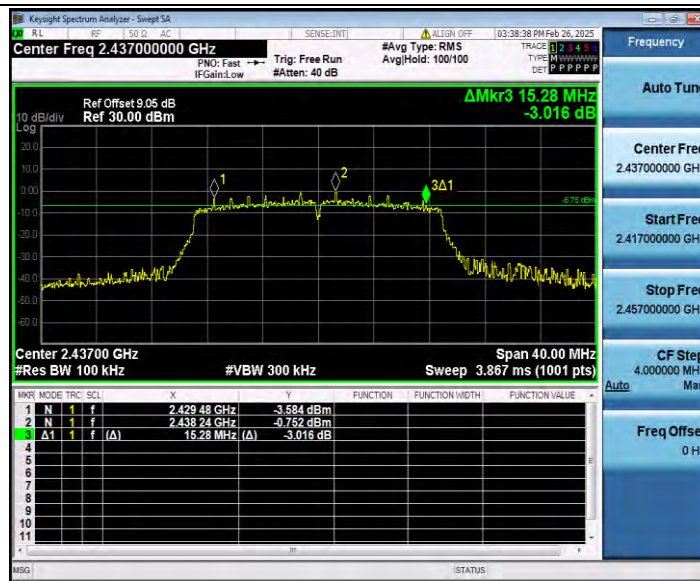
11G_Ant1_2462



11N20SISO_Ant1_2412



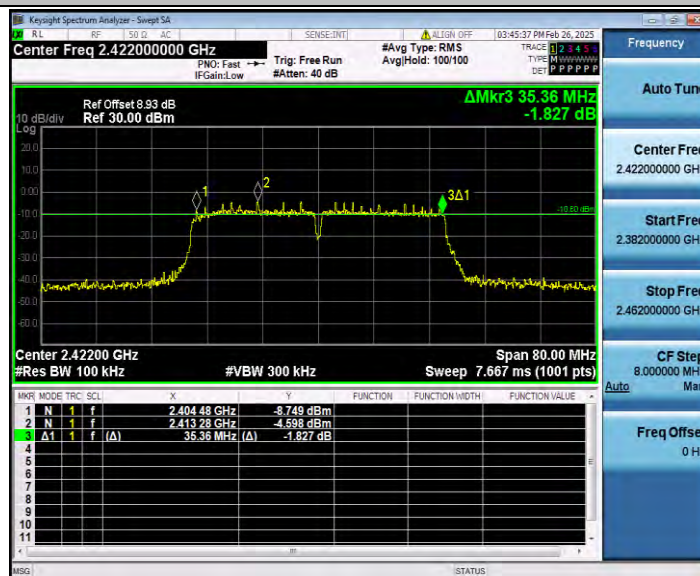
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



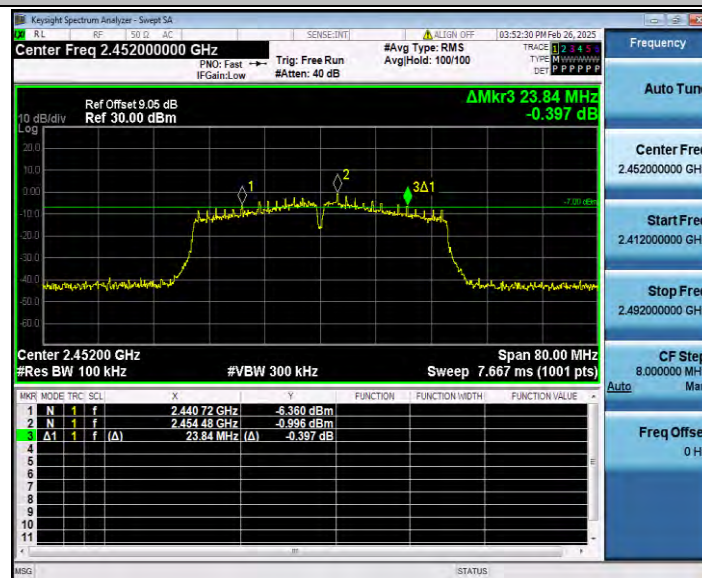
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



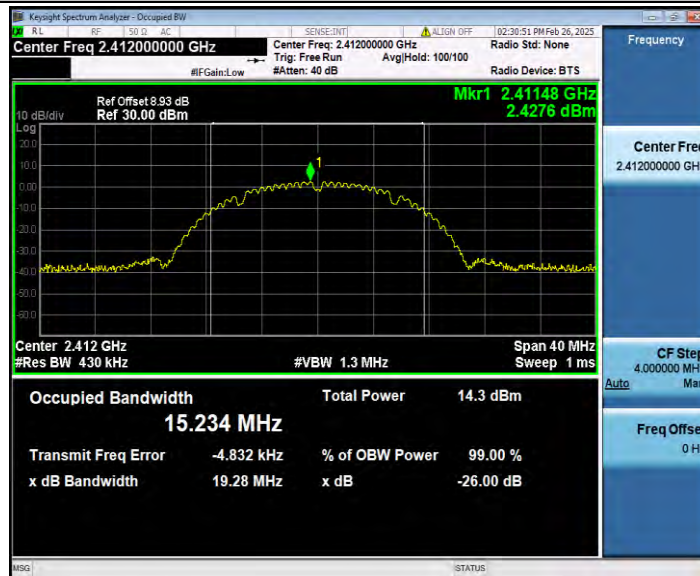
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.234	2404.3782	2419.6122	---	---
		2437	15.195	2429.4356	2444.6306	---	---
		2462	15.185	2454.3920	2469.5770	---	---
11G	Ant1	2412	16.816	2403.5983	2420.4143	---	---
		2437	16.867	2428.5806	2445.4476	---	---
		2462	16.934	2453.5319	2470.4659	---	---
11N20SISO	Ant1	2412	17.747	2403.1349	2420.8819	---	---
		2437	17.910	2428.1182	2446.0282	---	---
		2462	17.851	2453.0625	2470.9135	---	---
11N40SISO	Ant1	2422	36.283	2404.0653	2440.3483	---	---
		2437	36.404	2418.8595	2455.2635	---	---
		2452	35.654	2434.2241	2469.8781	---	---

Test Graphs

11B_Ant1_2412



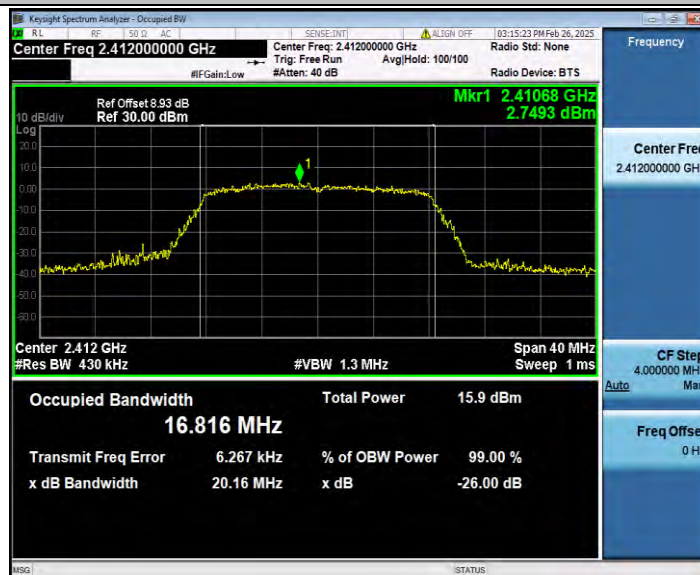
11B_Ant1_2437



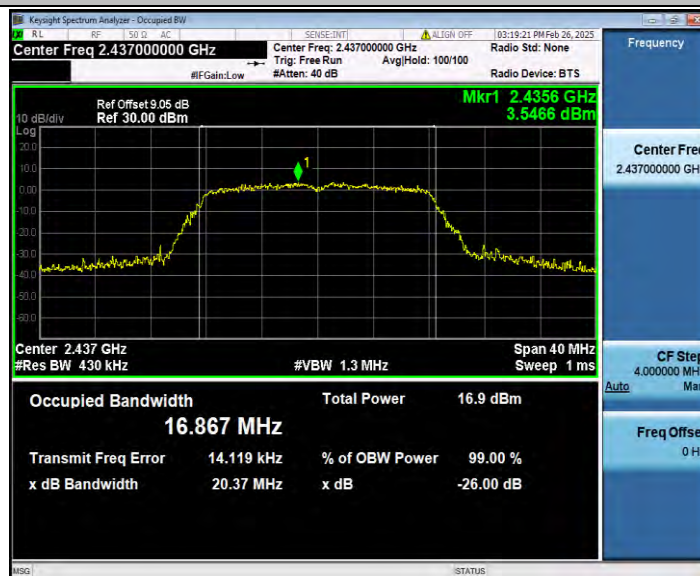
11B_Ant1_2462



11G_Ant1_2412



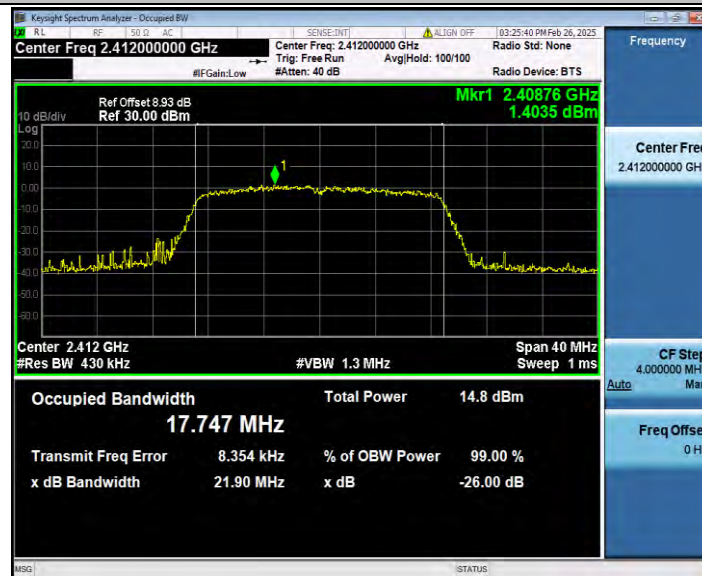
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



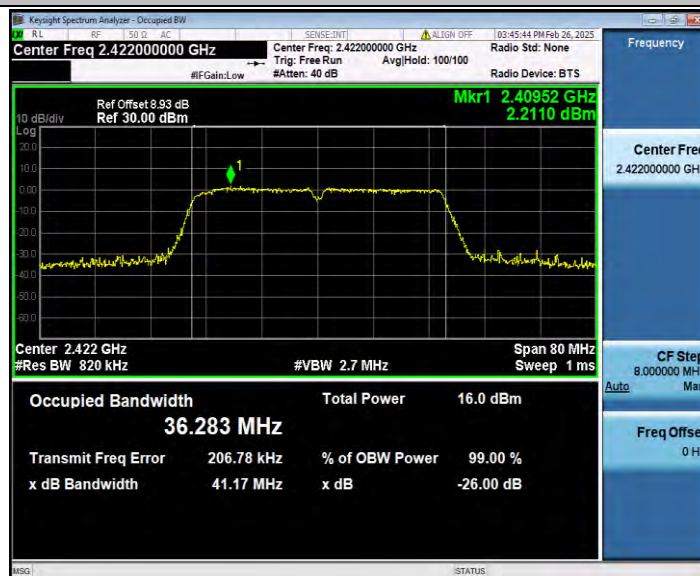
11N20SISO_Ant1_2437



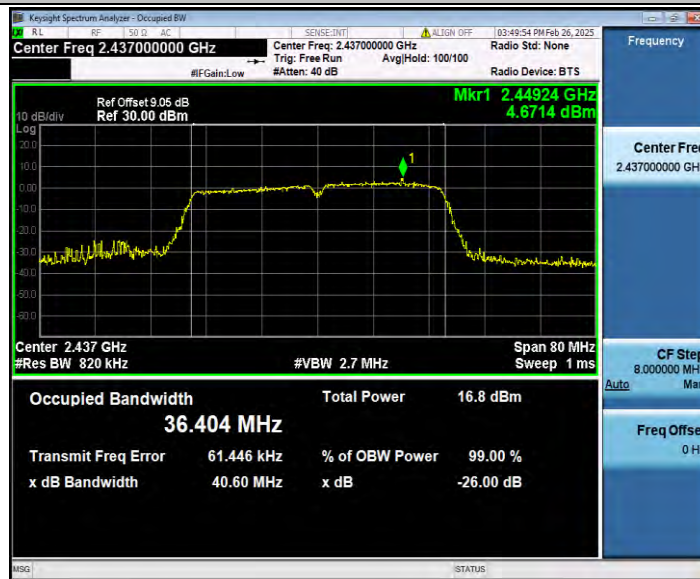
11N20SISO_Ant1_2462



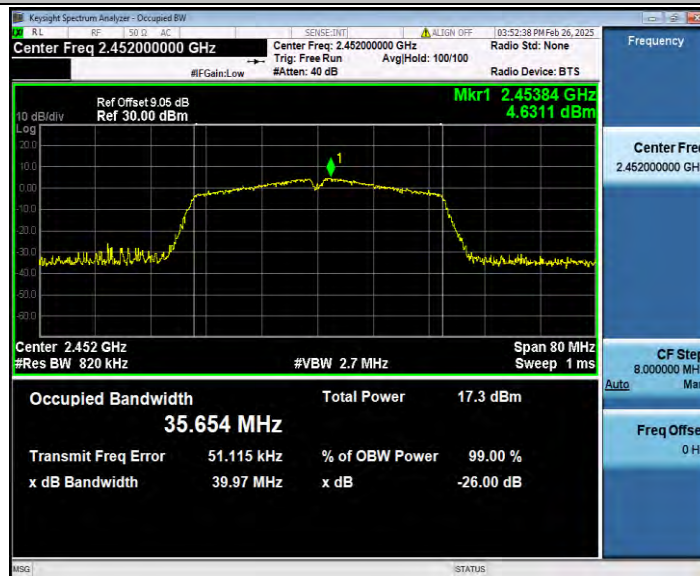
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result -CHP

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.45	≤30.00	PASS
		2437	15.20	≤30.00	PASS
		2462	15.70	≤30.00	PASS
11G	Ant1	2412	17.04	≤30.00	PASS
		2437	17.91	≤30.00	PASS
		2462	18.17	≤30.00	PASS
11N20SISO	Ant1	2412	15.89	≤30.00	PASS
		2437	16.81	≤30.00	PASS
		2462	17.17	≤30.00	PASS
11N40SISO	Ant1	2422	16.44	≤30.00	PASS
		2437	17.13	≤30.00	PASS
		2452	17.64	≤30.00	PASS

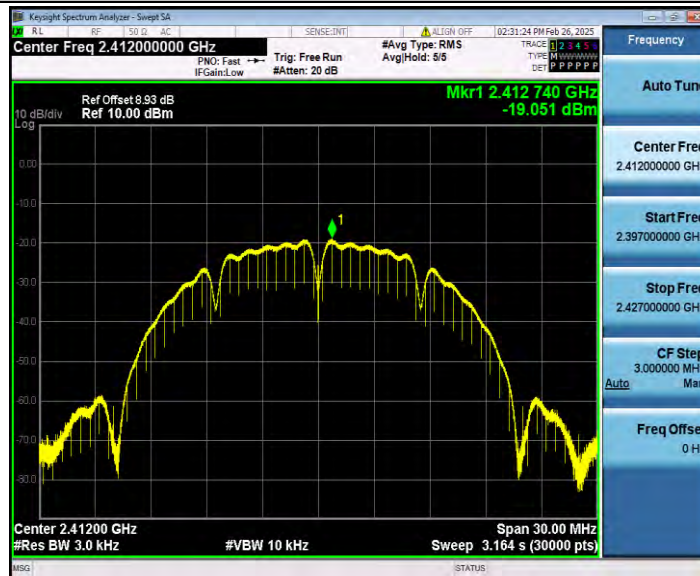
Appendix C.4: Maximum power spectral density

Test Result

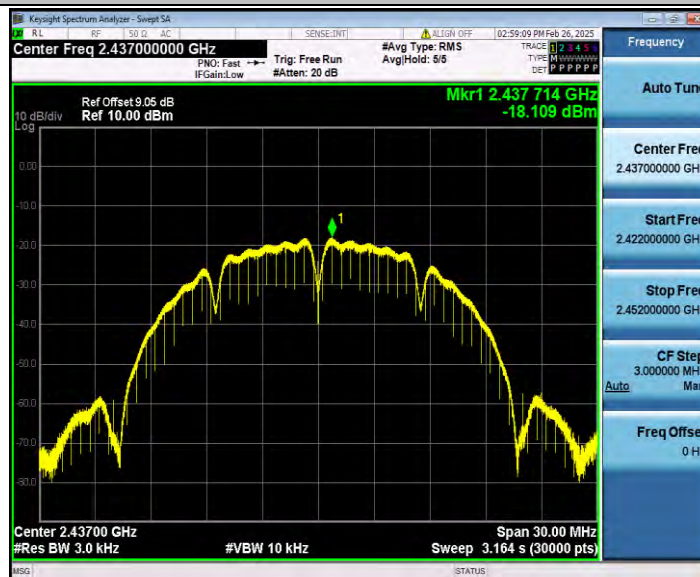
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.05	≤8.00	PASS
		2437	-18.11	≤8.00	PASS
		2462	-17.61	≤8.00	PASS
11G	Ant1	2412	-15.29	≤8.00	PASS
		2437	-13.03	≤8.00	PASS
		2462	-13.46	≤8.00	PASS
11N20SISO	Ant1	2412	-15.18	≤8.00	PASS
		2437	-14.98	≤8.00	PASS
		2462	-15.04	≤8.00	PASS
11N40SISO	Ant1	2422	-18.68	≤8.00	PASS
		2437	-18.23	≤8.00	PASS
		2452	-15.45	≤8.00	PASS

Test Graphs

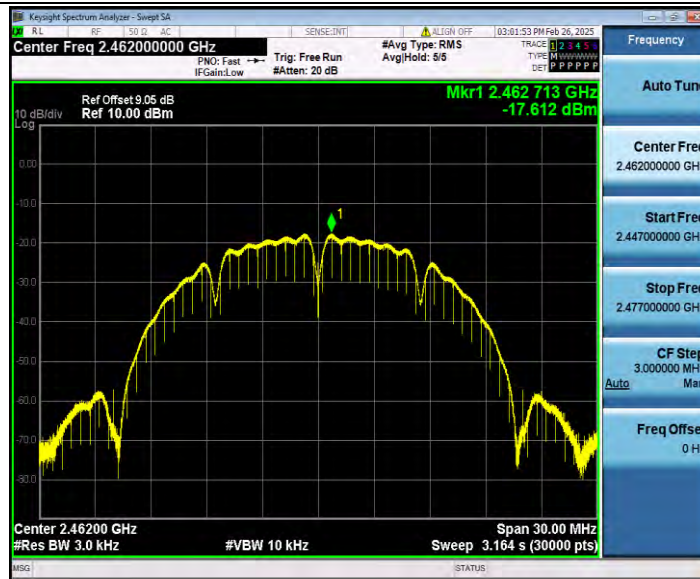
11B_Ant1_2412



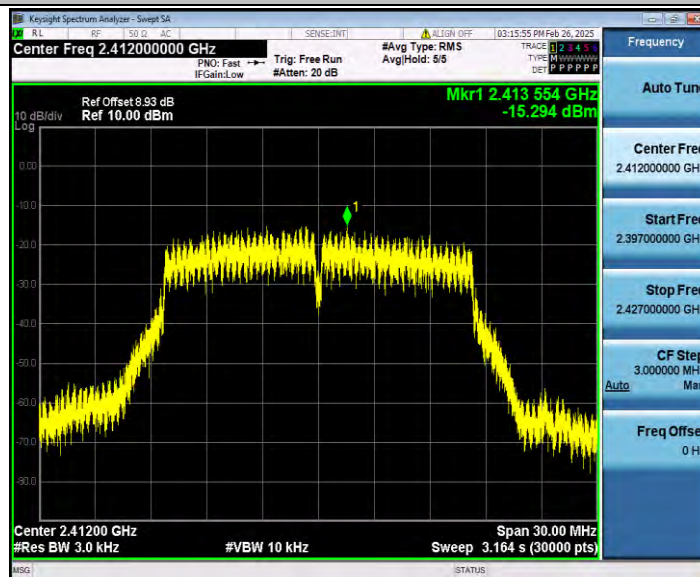
11B_Ant1_2437



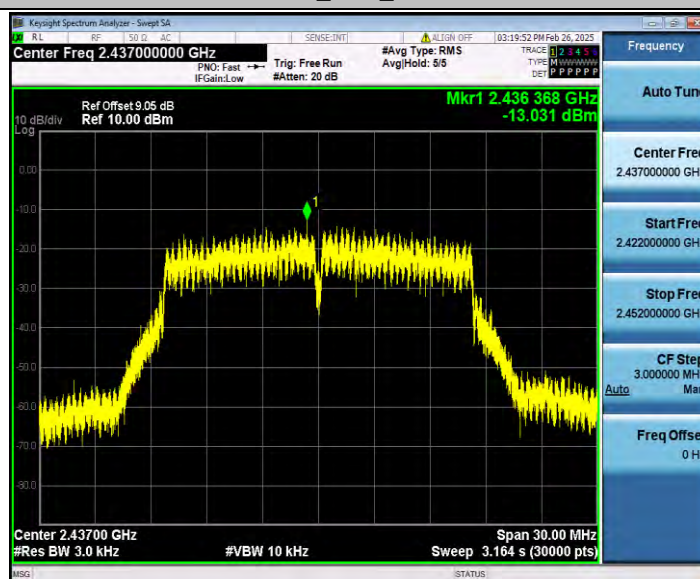
11B_Ant1_2462



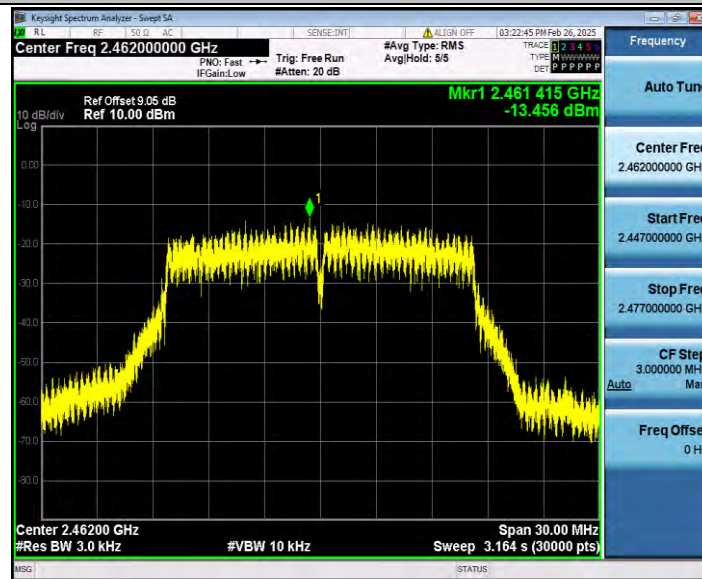
11G_Ant1_2412



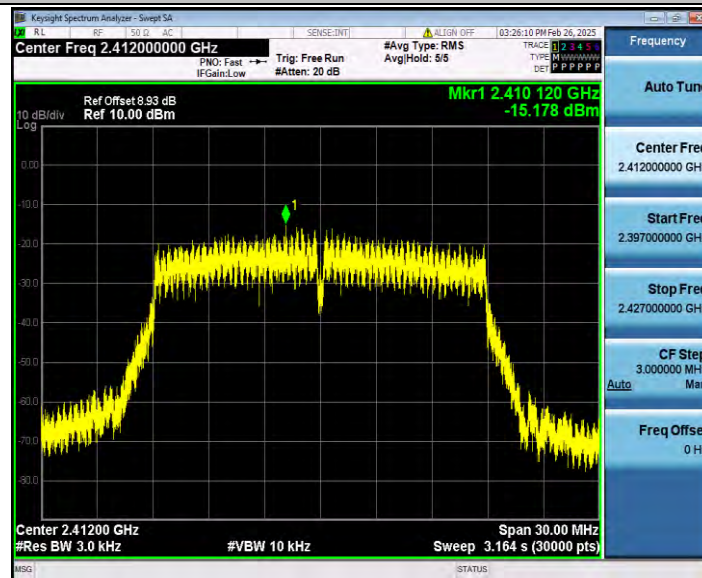
11G_Ant1_2437



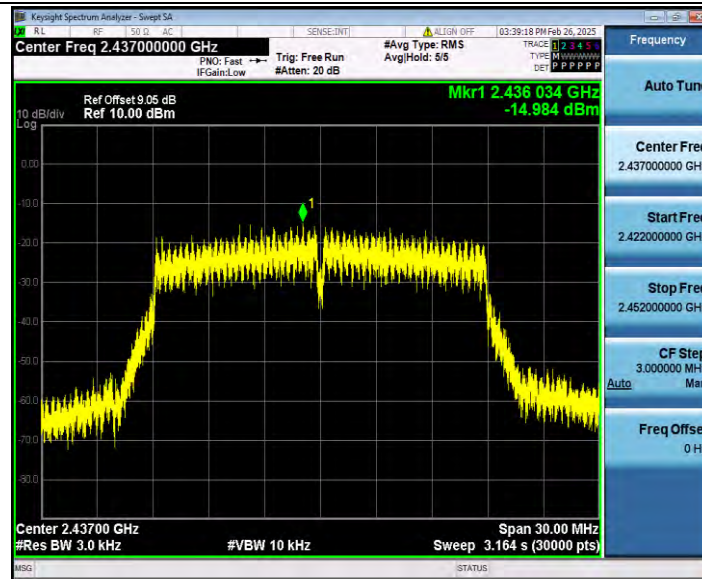
11G_Ant1_2462



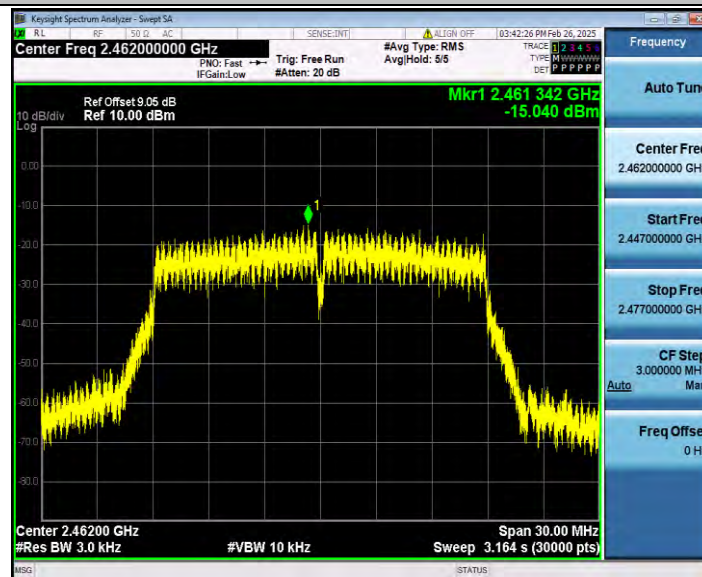
11N20SISO_Ant1_2412



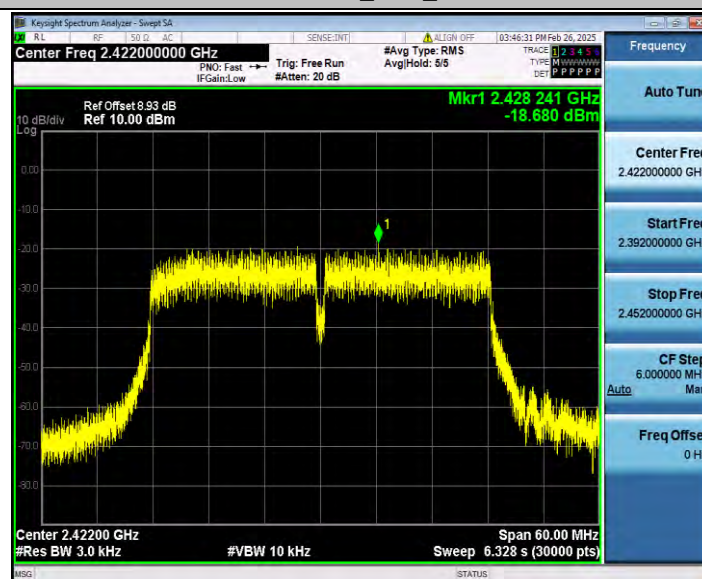
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



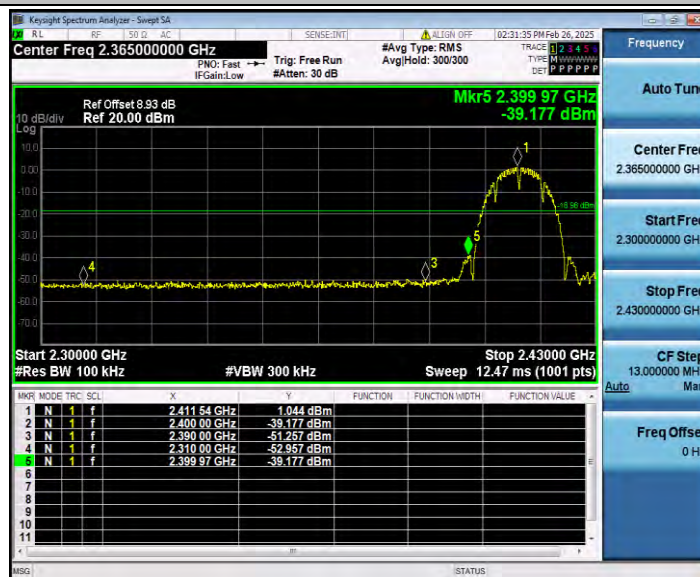
Appendix C.5: Band edge measurements

Test Result

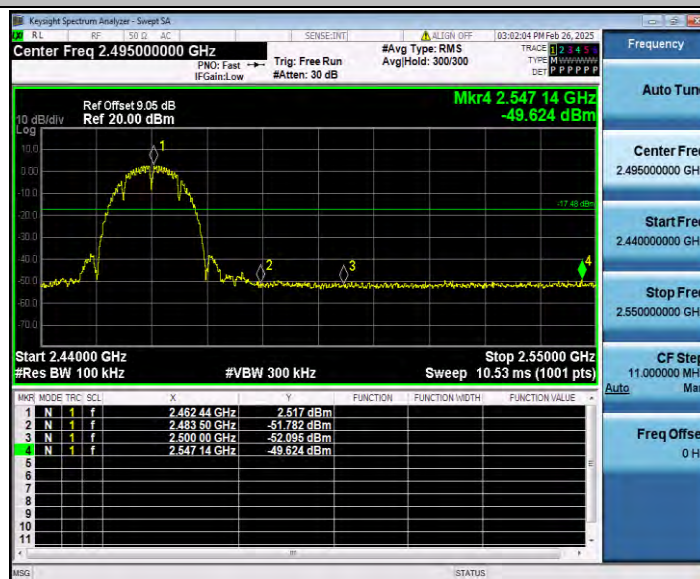
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.04	-39.18	≤ -18.96	PASS
		High	2462	2.52	-49.62	≤ -17.48	PASS
11G	Ant1	Low	2412	-1.04	-34.56	≤ -21.04	PASS
		High	2462	1.05	-48.37	≤ -18.95	PASS
11N20SISO	Ant1	Low	2412	-2.13	-38.35	≤ -22.13	PASS
		High	2462	-0.05	-48.76	≤ -20.05	PASS
11N40SISO	Ant1	Low	2422	-4.86	-41.25	≤ -24.86	PASS
		High	2452	-1.13	-46.93	≤ -21.13	PASS

Test Graphs

11B_Ant1_Low_2412



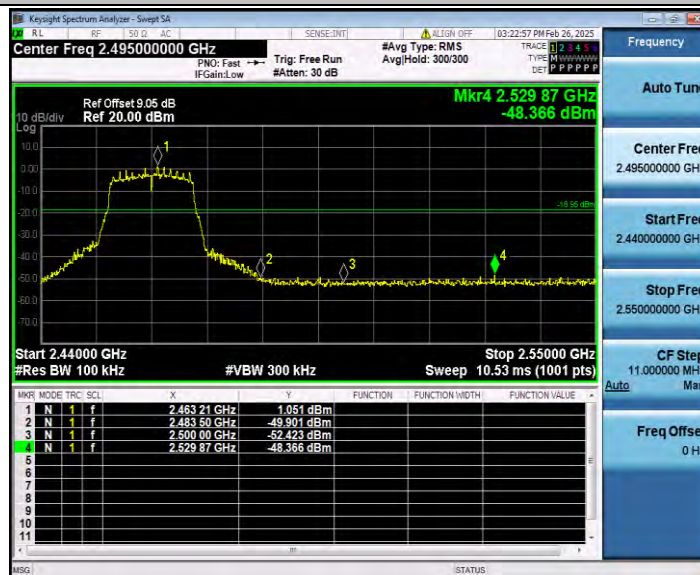
11B_Ant1_High_2462



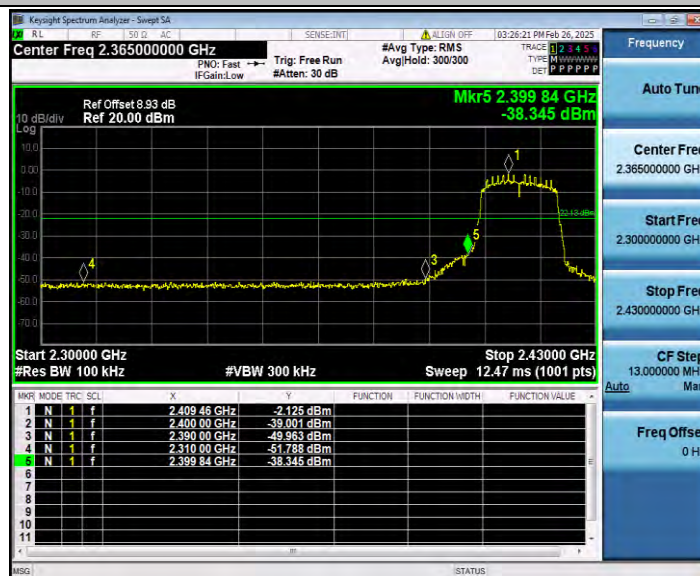
11G_Ant1_Low_2412



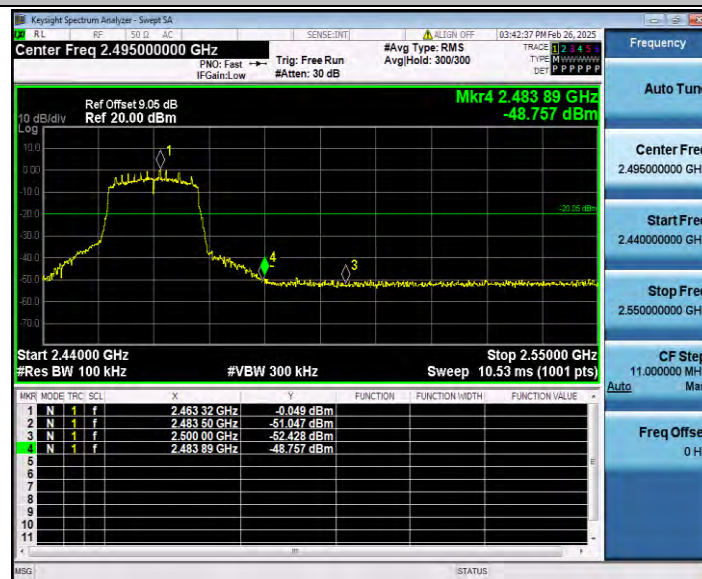
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



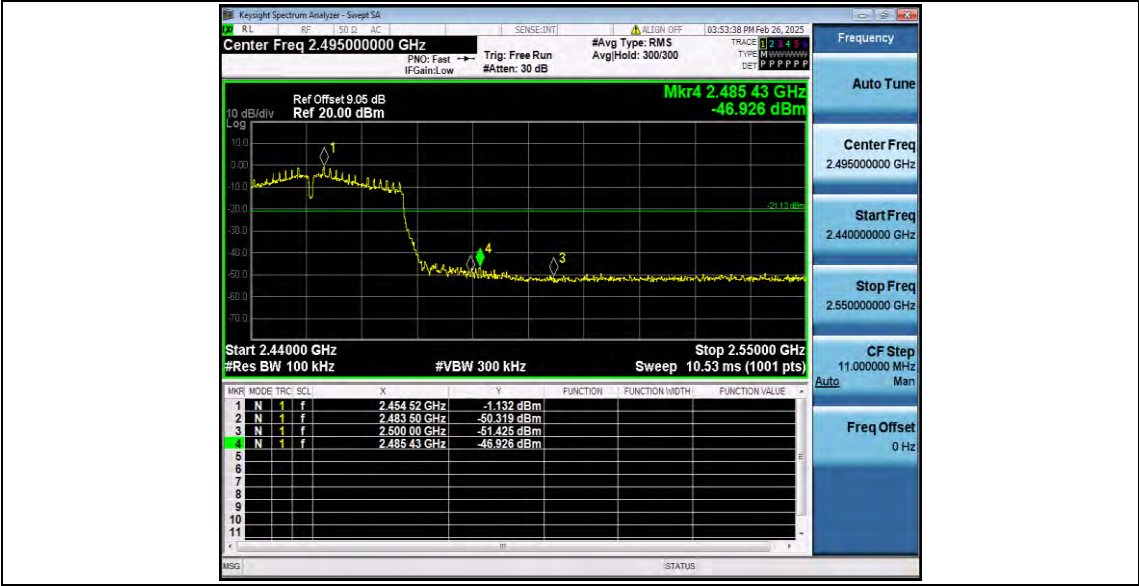
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

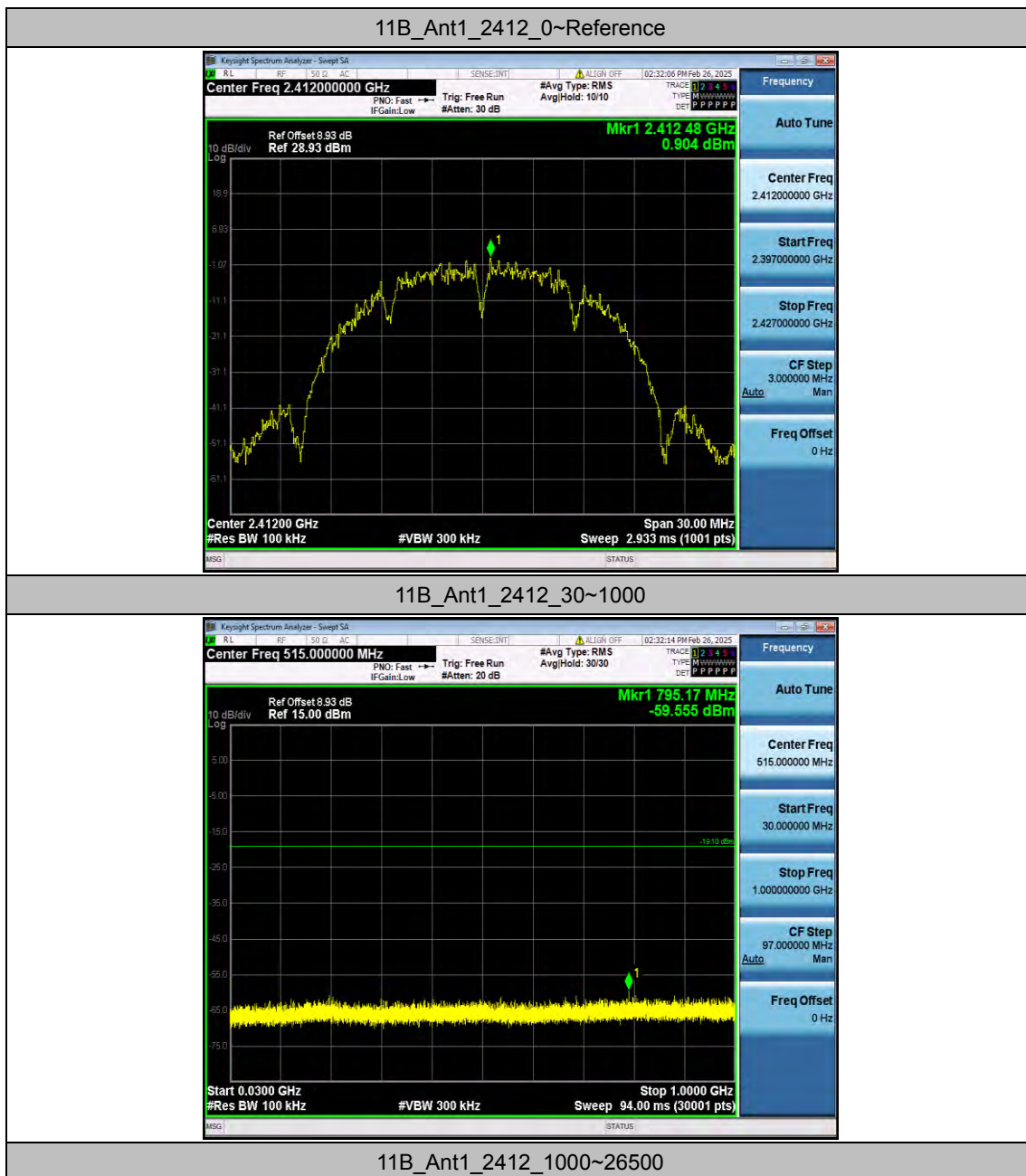


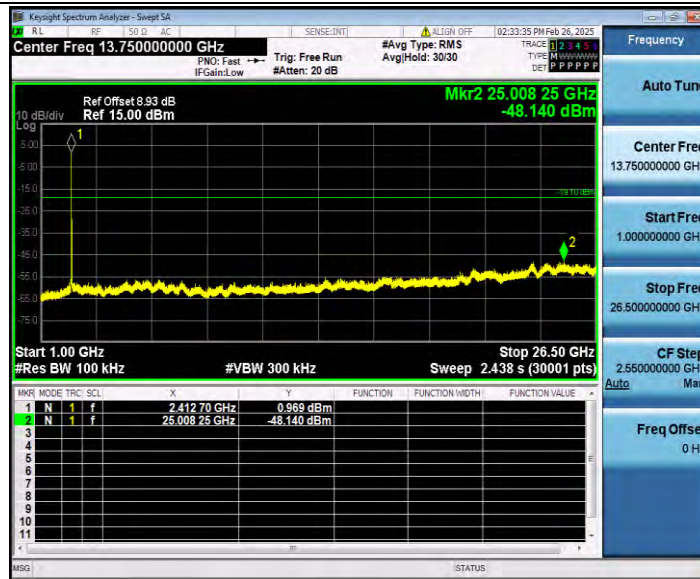
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.90	0.90	---	PASS
			30~1000	0.90	-59.56	≤ -19.1	PASS
			1000~26500	0.90	-48.14	≤ -19.1	PASS
		2437	Reference	1.88	1.88	---	PASS
			30~1000	1.88	-60.18	≤ -18.12	PASS
			1000~26500	1.88	-48.1	≤ -18.12	PASS
		2462	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-59.98	≤ -18.14	PASS
			1000~26500	1.86	-47.91	≤ -18.14	PASS
11G	Ant1	2412	Reference	-1.21	-1.21	---	PASS
			30~1000	-1.21	-59.83	≤ -21.21	PASS
			1000~26500	-1.21	-48.11	≤ -21.21	PASS
		2437	Reference	-2.76	-2.76	---	PASS
			30~1000	-2.76	-59.85	≤ -22.76	PASS
			1000~26500	-2.76	-47.98	≤ -22.76	PASS
		2462	Reference	-2.10	-2.10	---	PASS
			30~1000	-2.10	-59.56	≤ -22.1	PASS
			1000~26500	-2.10	-48	≤ -22.1	PASS
11N20SISO	Ant1	2412	Reference	-5.58	-5.58	---	PASS
			30~1000	-5.58	-60.15	≤ -25.58	PASS
			1000~26500	-5.58	-47.29	≤ -25.58	PASS
		2437	Reference	-1.98	-1.98	---	PASS
			30~1000	-1.98	-59.88	≤ -21.98	PASS
			1000~26500	-1.98	-48.14	≤ -21.98	PASS
		2462	Reference	-3.79	-3.79	---	PASS
			30~1000	-3.79	-59.74	≤ -23.79	PASS
			1000~26500	-3.79	-47.66	≤ -23.79	PASS
11N40SISO	Ant1	2422	Reference	-6.80	-6.80	---	PASS
			30~1000	-6.80	-61.07	≤ -26.8	PASS
			1000~26500	-6.80	-48.26	≤ -26.8	PASS
		2437	Reference	-3.66	-3.66	---	PASS
			30~1000	-3.66	-60.99	≤ -23.66	PASS
			1000~26500	-3.66	-48.08	≤ -23.66	PASS
		2452	Reference	-2.69	-2.69	---	PASS
			30~1000	-2.69	-60.21	≤ -22.69	PASS
			1000~26500	-2.69	-47.89	≤ -22.69	PASS

Test Graphs

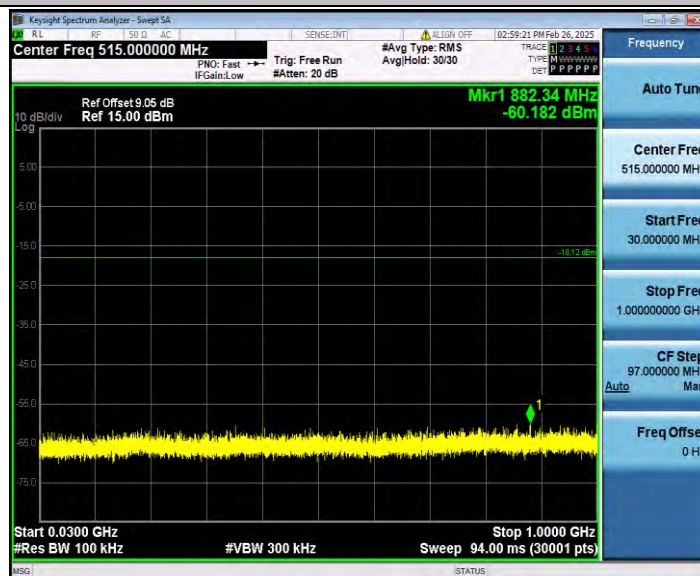




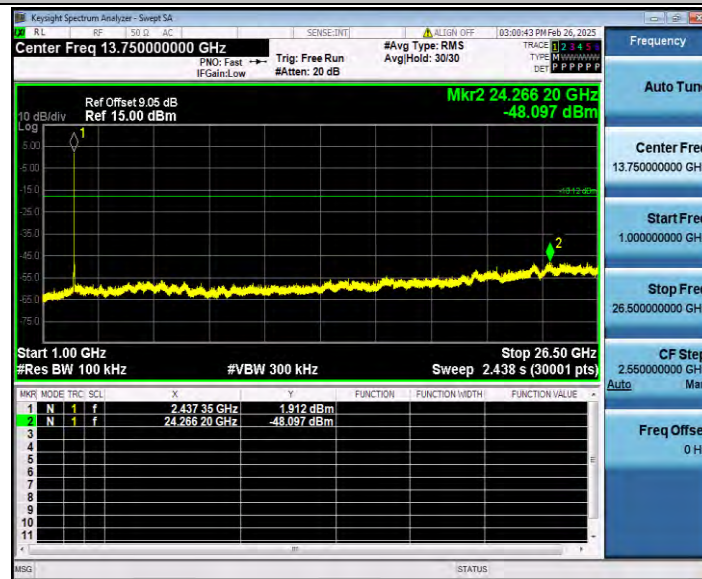
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



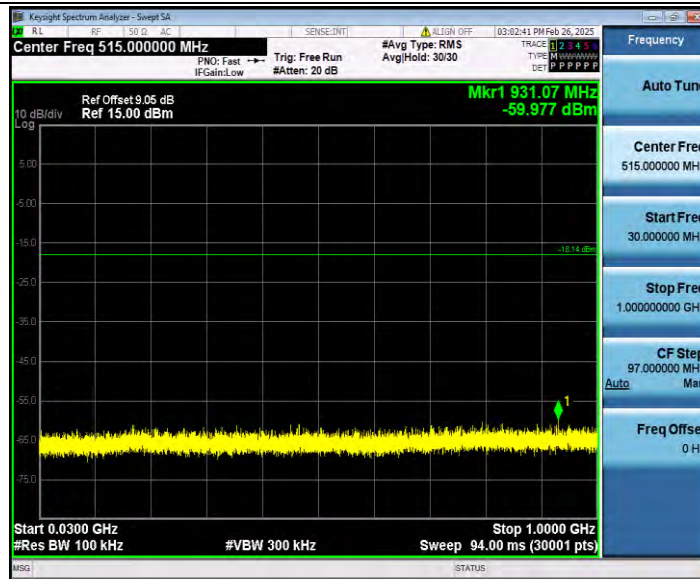
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

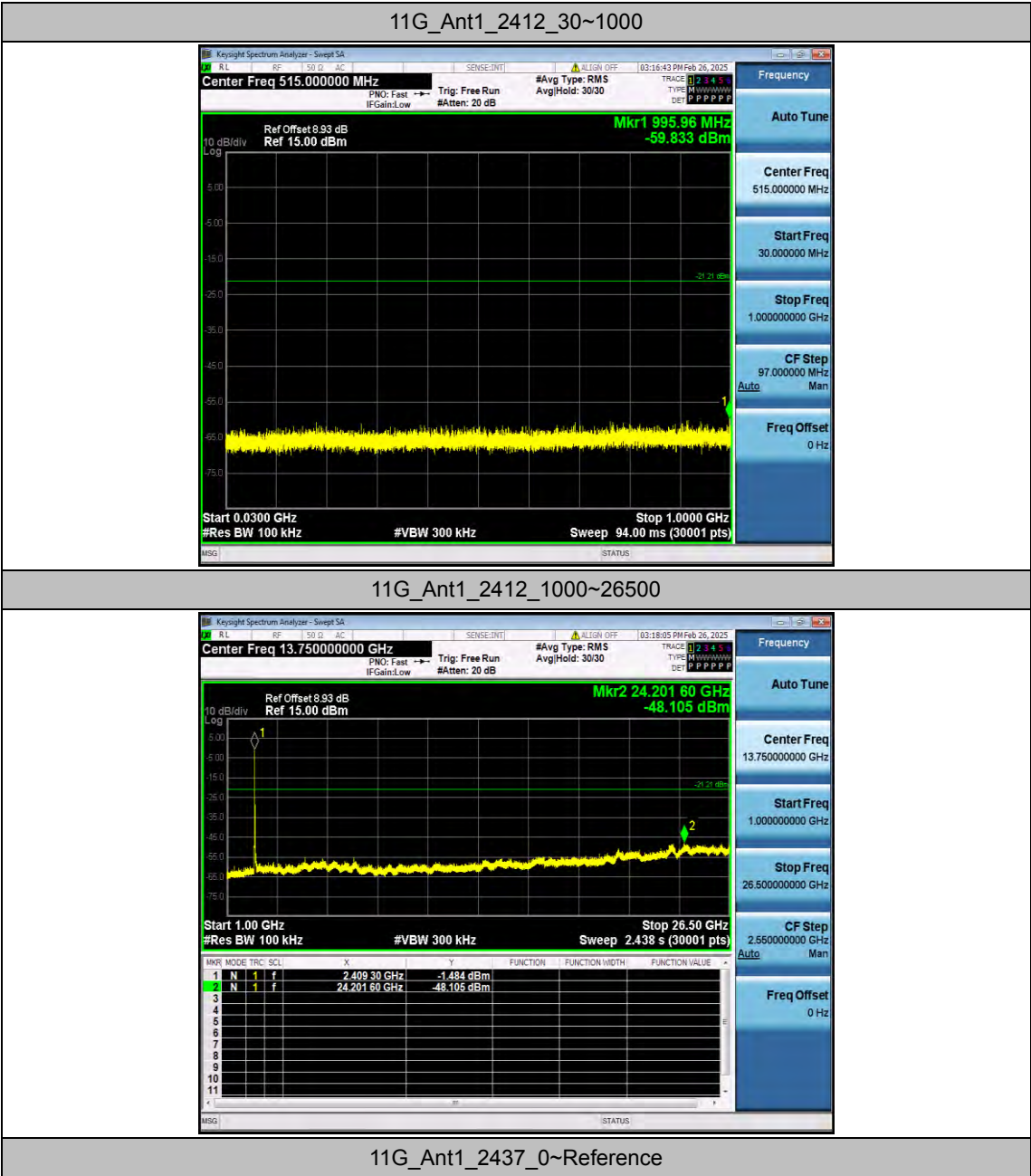


11B_Ant1_2462_1000~26500



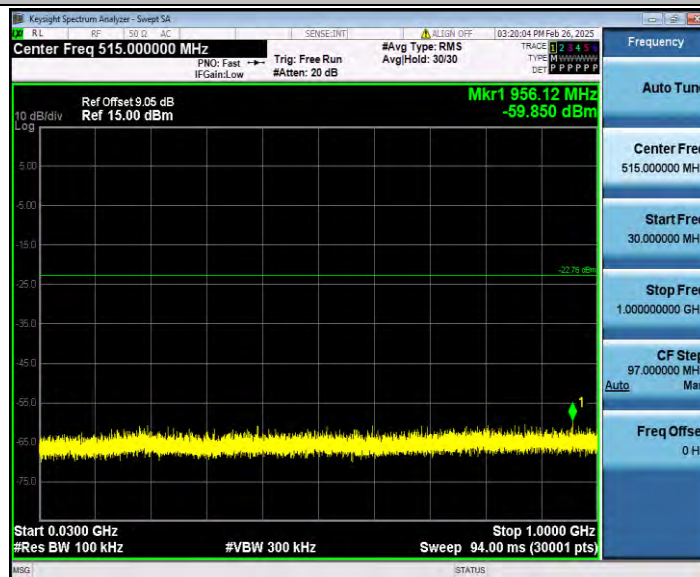
11G_Ant1_2412_0~Reference







11G_Ant1_2437_30~1000



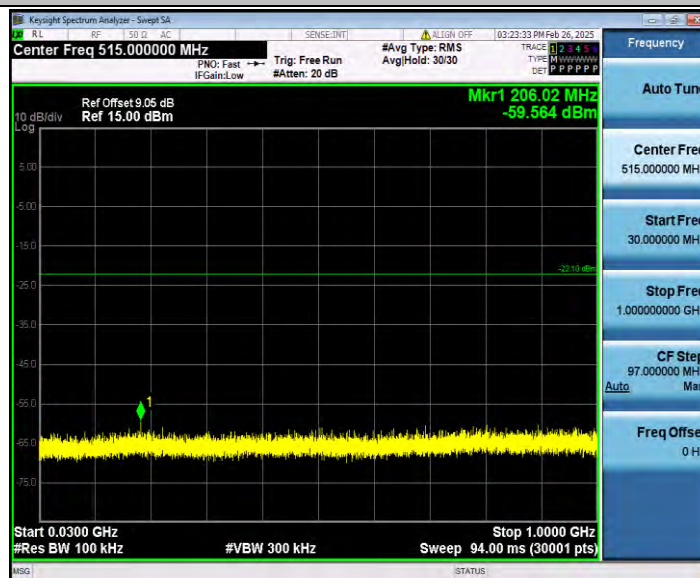
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



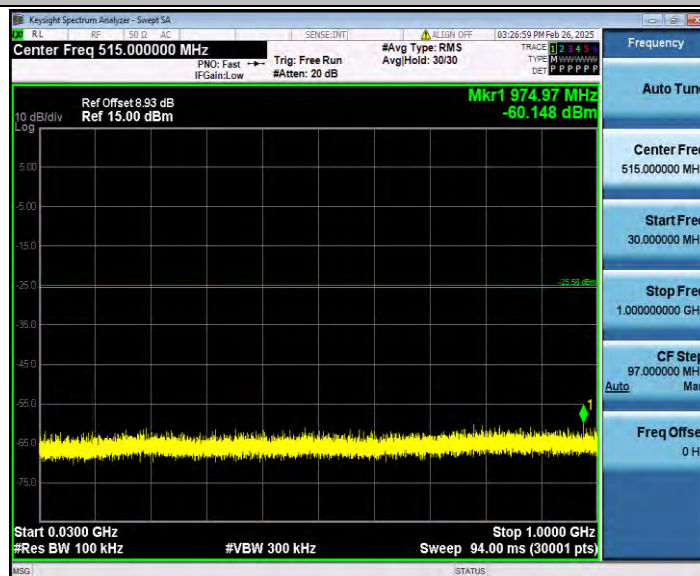
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



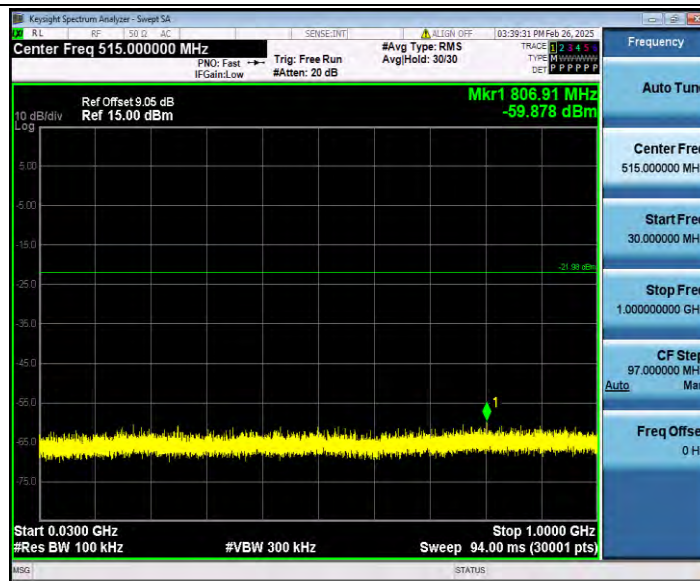
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



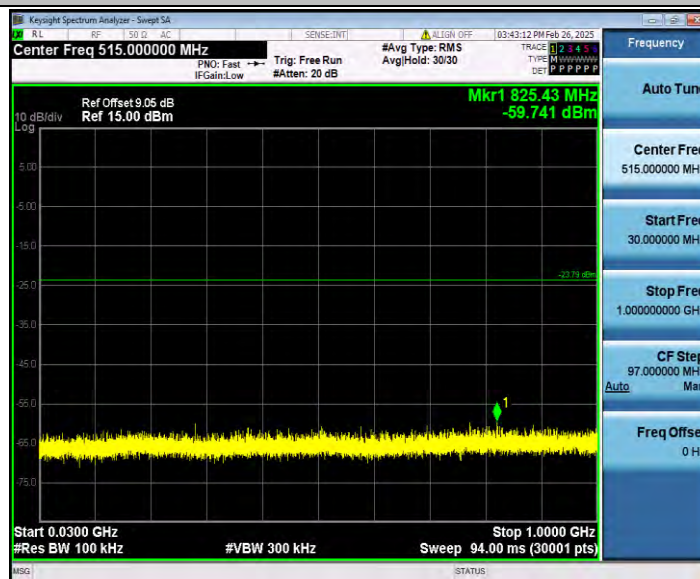
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



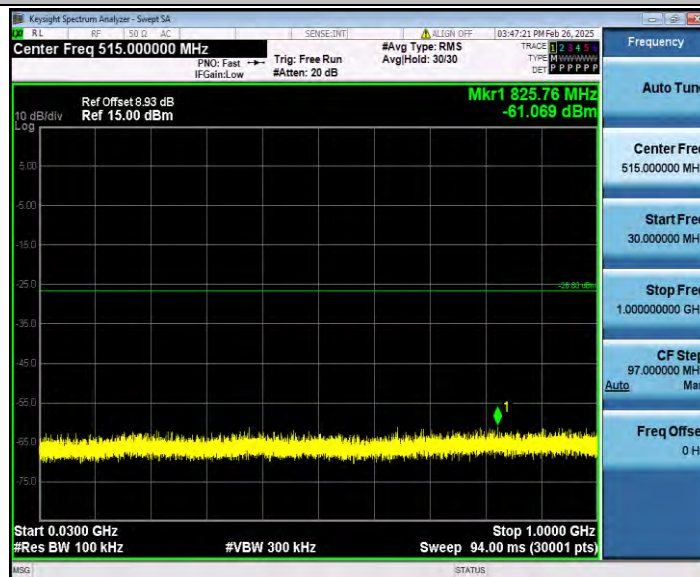
11N20SISO_Ant1_2462_1000~26500



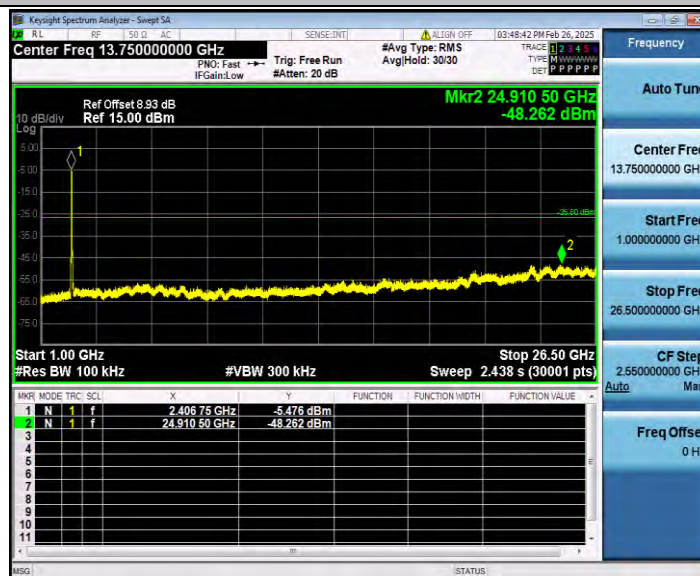
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



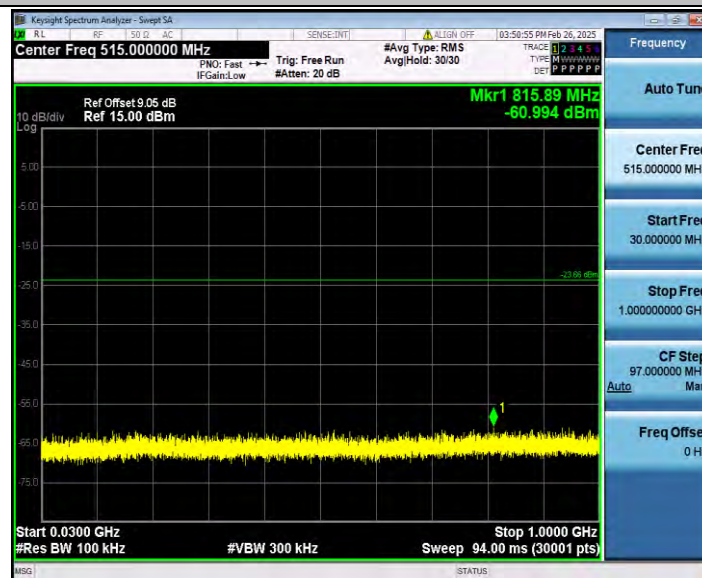
11N40SISO_Ant1_2422_1000~26500



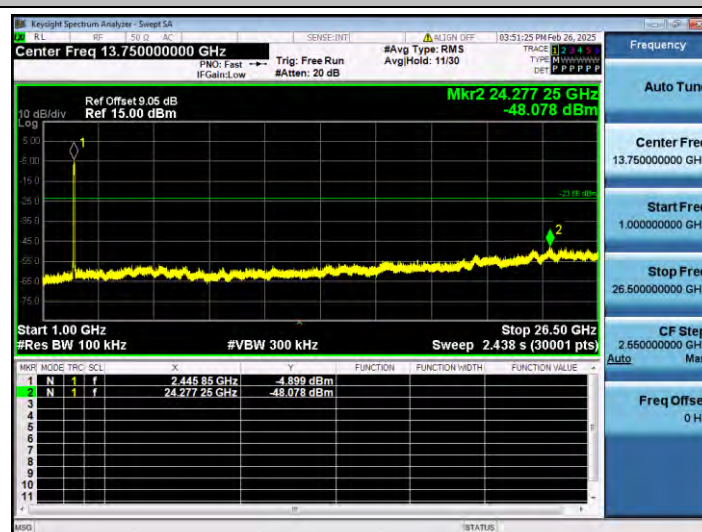
11N40SISO_Ant1_2437_0~Reference

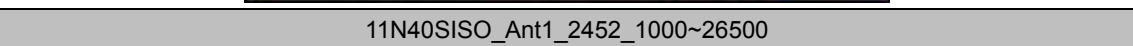
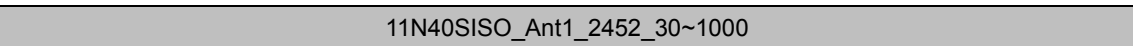


11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500

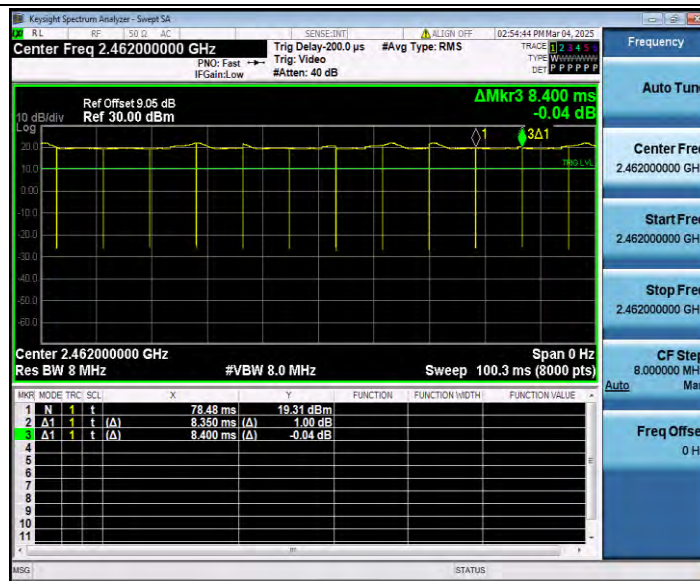




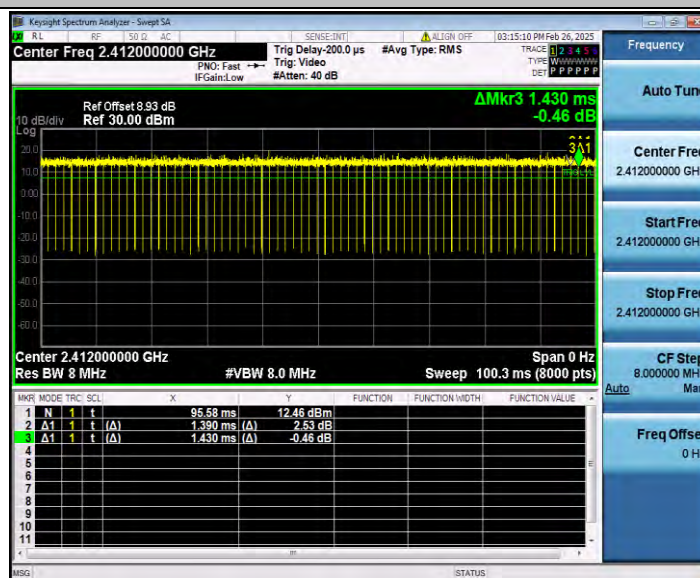
Appendix C.7: Duty Cycle

Test Result

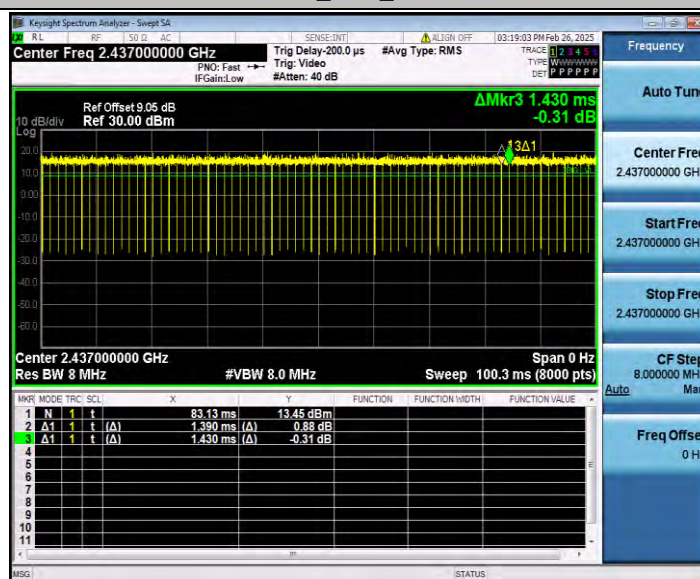
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	8.35	8.40	99.40	0.03	0.12
		2437	8.35	8.40	99.40	0.03	0.12
		2462	8.35	8.40	99.40	0.03	0.12
11G	Ant1	2412	1.39	1.43	97.20	0.12	0.72
		2437	1.39	1.43	97.20	0.12	0.72
		2462	1.39	1.43	97.20	0.12	0.72
11N20SISO	Ant1	2412	1.29	1.33	96.99	0.13	0.78
		2437	1.29	1.33	96.99	0.13	0.78
		2462	1.29	1.33	96.99	0.13	0.78
11N40SISO	Ant1	2422	0.64	0.67	95.52	0.20	1.56
		2437	0.64	0.68	94.12	0.26	1.56
		2452	0.64	0.68	94.12	0.26	1.56

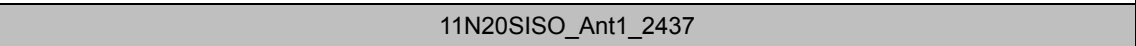
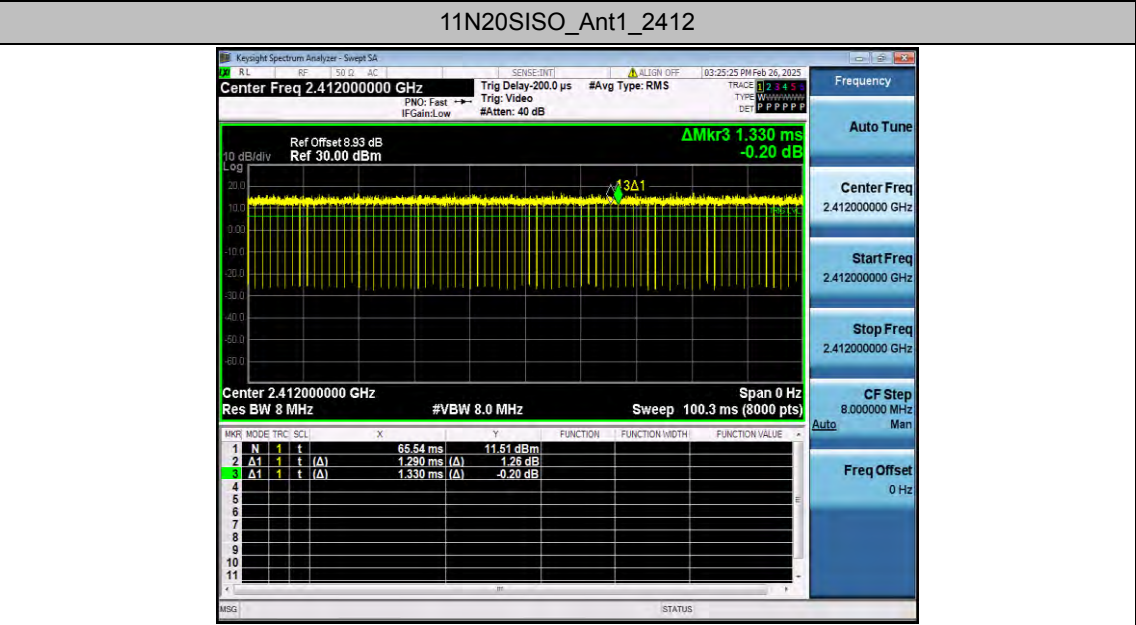
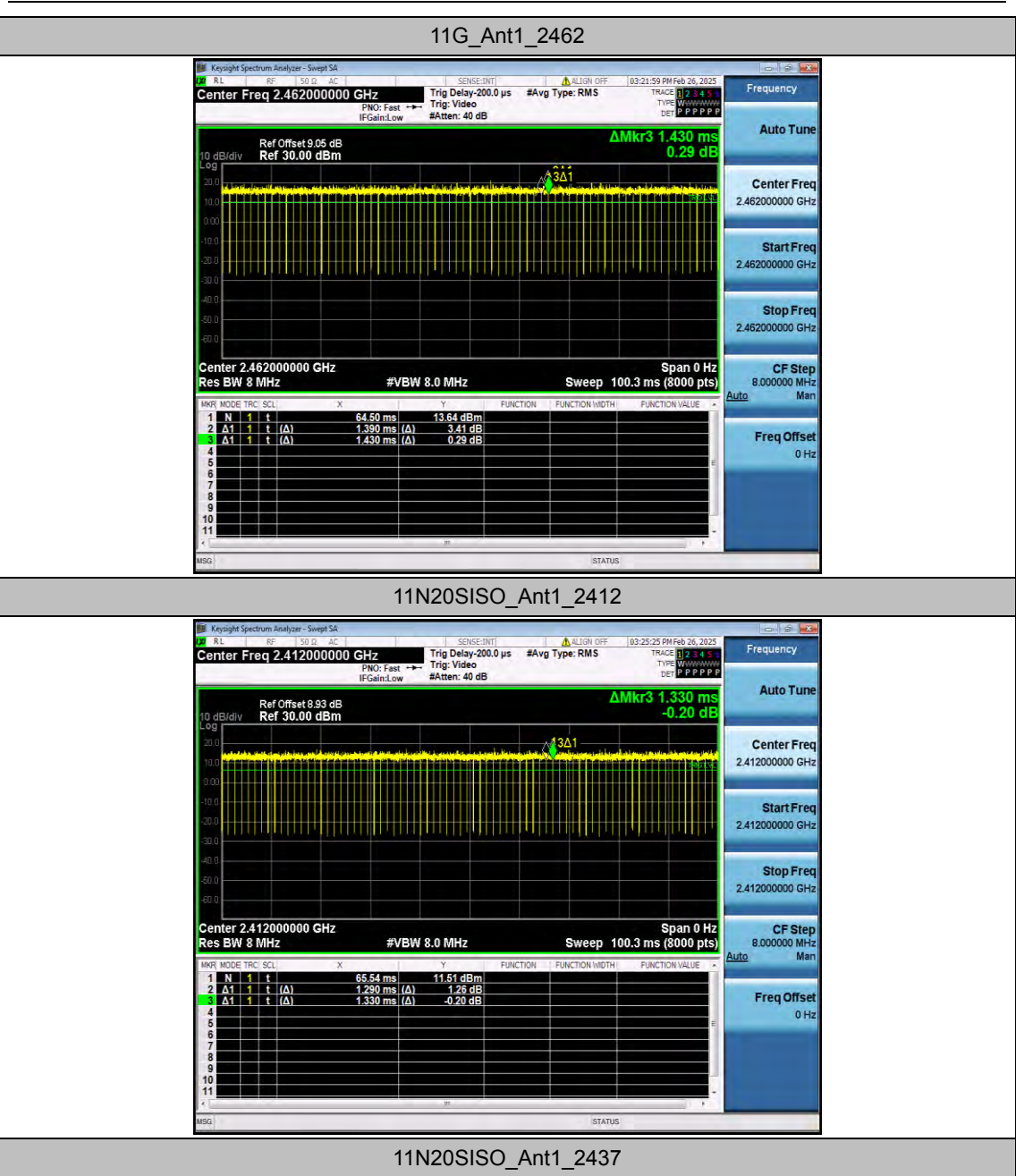


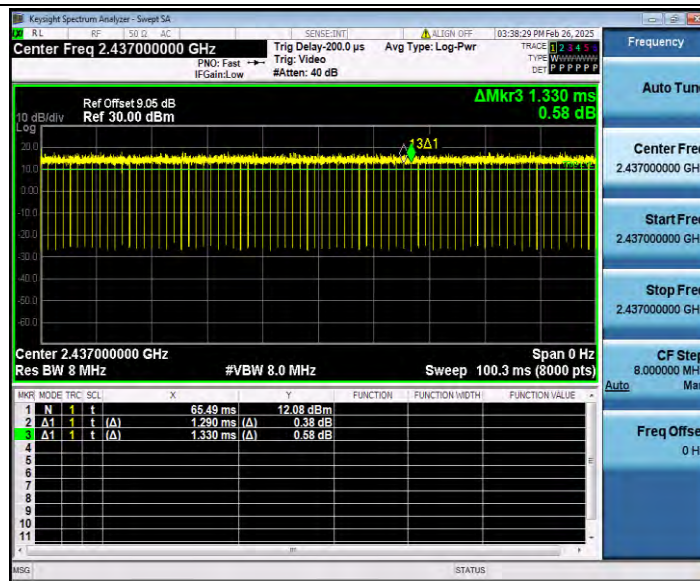
11G_Ant1_2412



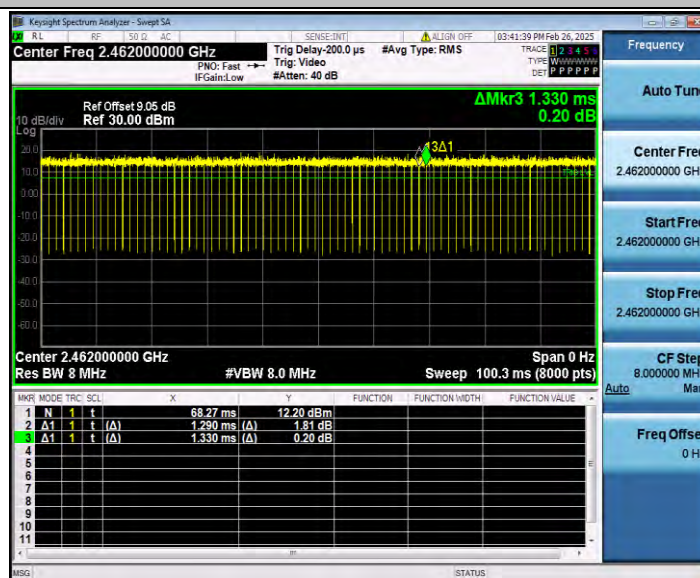
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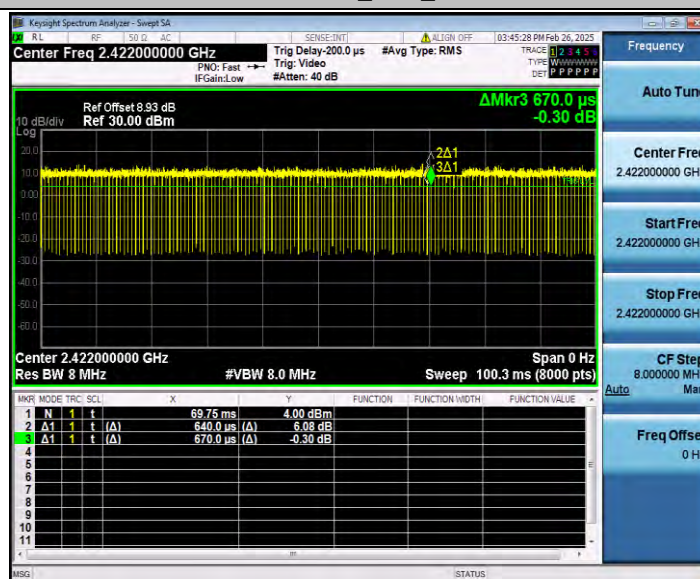




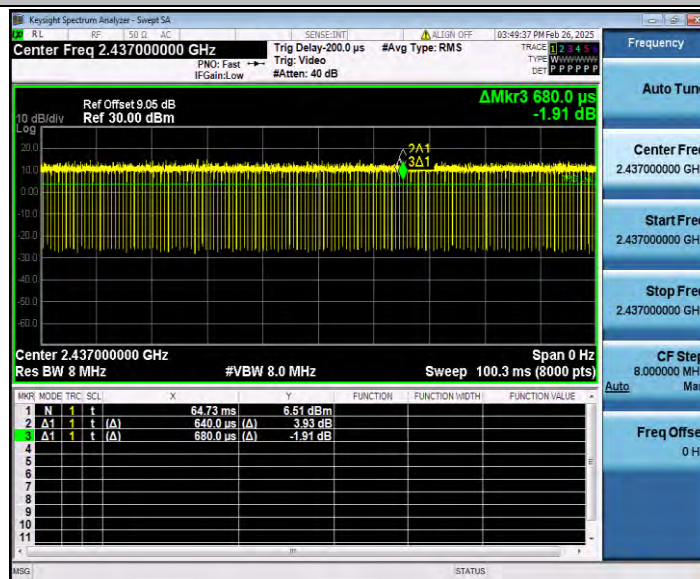
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

