

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	Ant2	2412	7.520	2407.480	2415.000	0.5	PASS
		2437	8.560	2433.440	2442.000	0.5	PASS
		2462	7.480	2458.000	2465.480	0.5	PASS
11G	Ant2	2412	10.040	2404.480	2414.520	0.5	PASS
		2437	15.640	2429.520	2445.160	0.5	PASS
		2462	15.040	2454.480	2469.520	0.5	PASS
11N20SISO	Ant2	2412	10.080	2404.480	2414.560	0.5	PASS
		2437	15.080	2430.720	2445.800	0.5	PASS
		2462	14.040	2455.480	2469.520	0.5	PASS
11N40SISO	Ant2	2422	35.280	2404.480	2439.760	0.5	PASS
		2437	24.080	2430.760	2454.840	0.5	PASS
		2452	25.040	2440.720	2465.760	0.5	PASS

Test Graphs



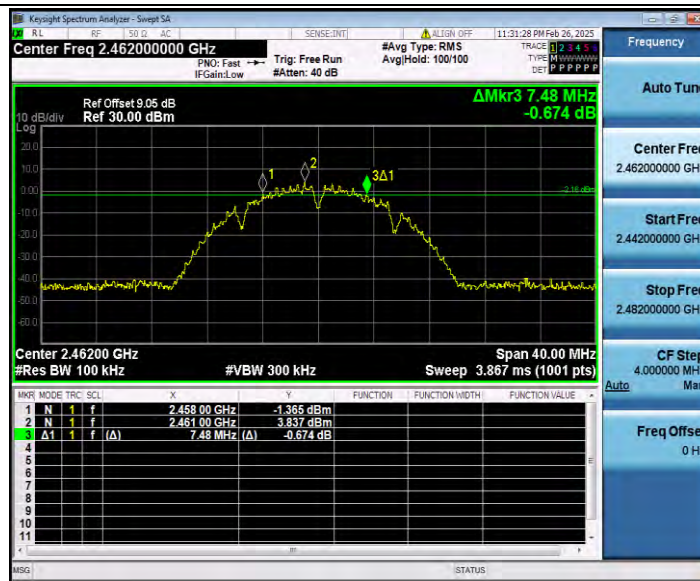
11B_Ant2_2437

Frequency

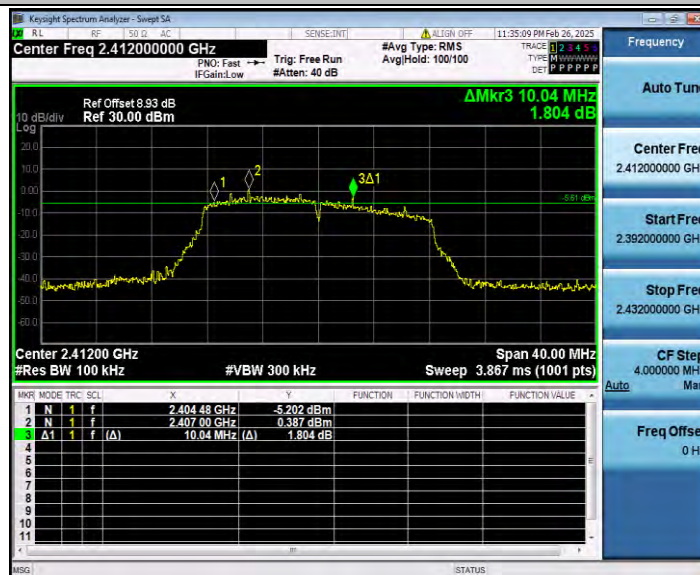
Auto Tune

Center Freq
2.43700000 GHzStart Freq
2.417000000 GHzStop Freq
2.457000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

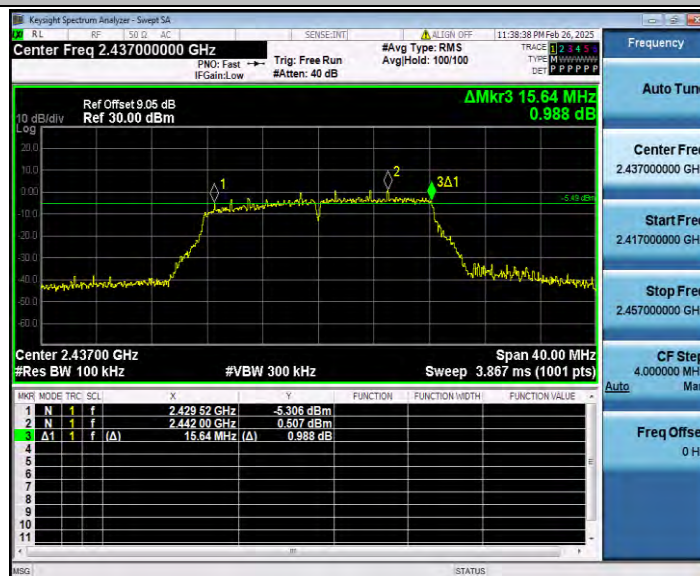
11B_Ant2_2462



11G_Ant2_2412



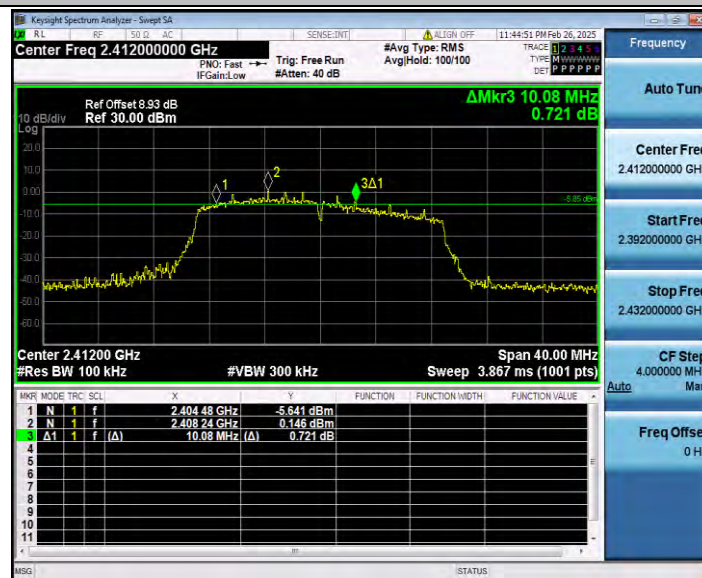
11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



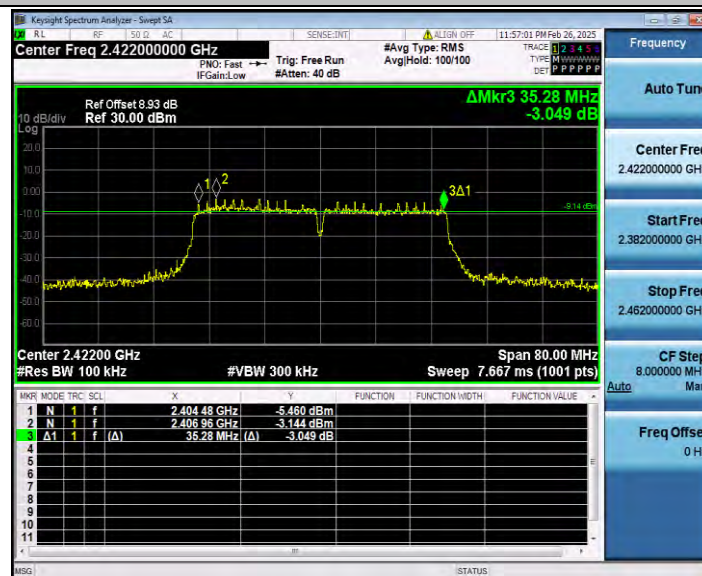
11N20SISO_Ant2_2437



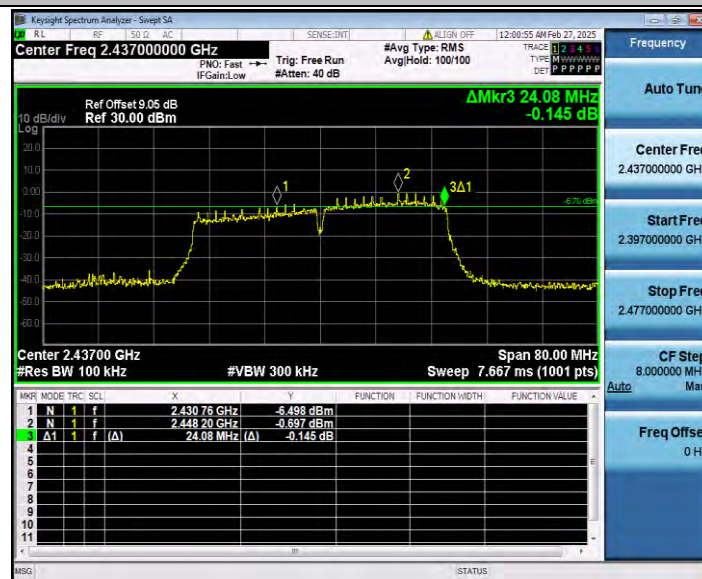
11N20SISO_Ant2_2462



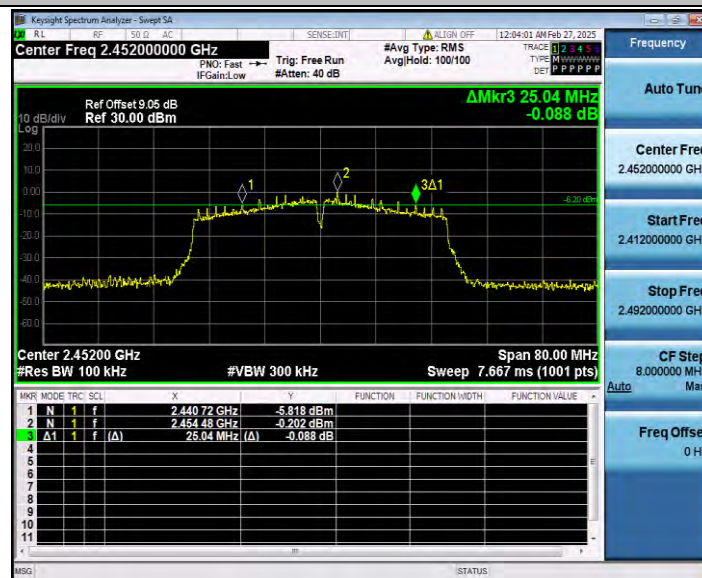
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



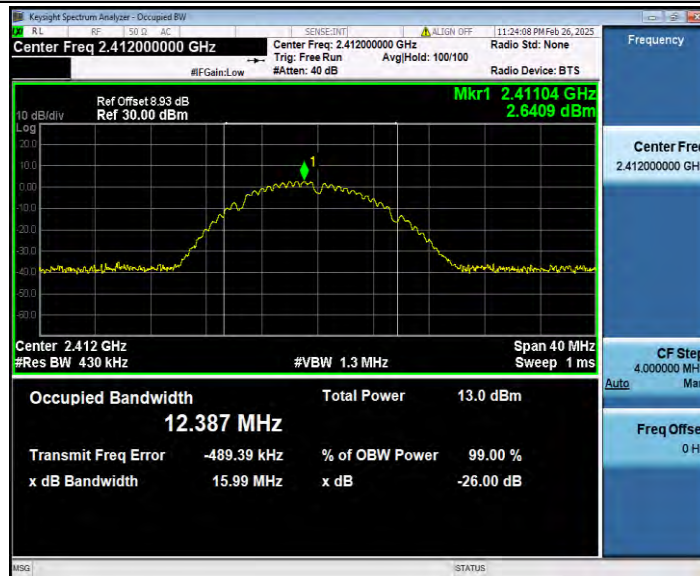
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.387	2405.3171	2417.7041	---	---
		2437	13.134	2430.8226	2443.9566	---	---
		2462	12.967	2455.3417	2468.3087	---	---
11G	Ant2	2412	16.468	2403.4870	2419.9550	---	---
		2437	17.040	2428.8065	2445.8465	---	---
		2462	16.897	2453.5491	2470.4461	---	---
11N20SISO	Ant2	2412	17.534	2403.0186	2420.5526	---	---
		2437	17.969	2428.2736	2446.2426	---	---
		2462	17.856	2453.0510	2470.9070	---	---
11N40SISO	Ant2	2422	36.545	2403.8612	2440.4062	---	---
		2437	36.168	2419.2657	2455.4337	---	---
		2452	35.576	2434.2994	2469.8754	---	---

Test Graphs

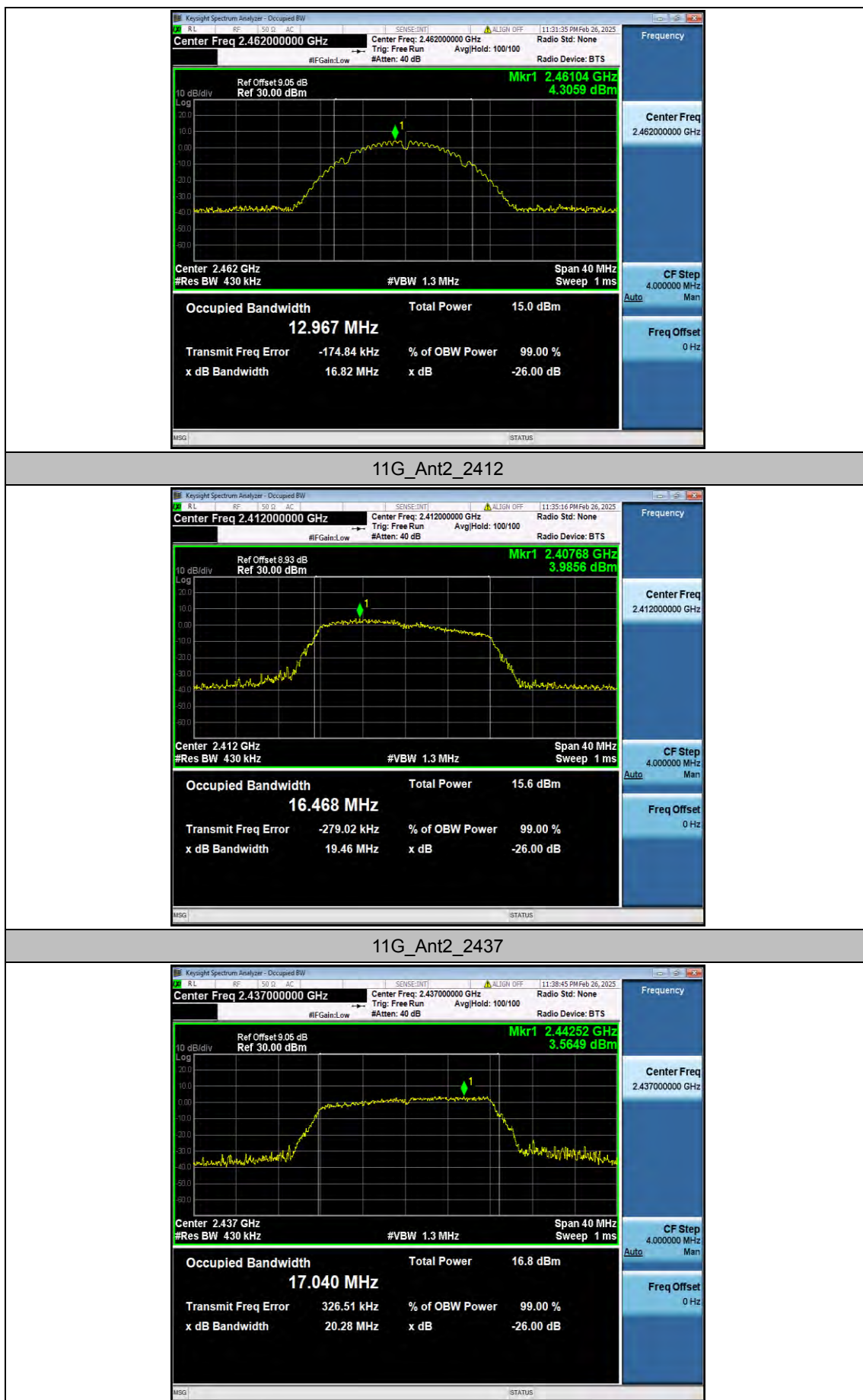
11B_Ant2_2412



11B_Ant2_2437



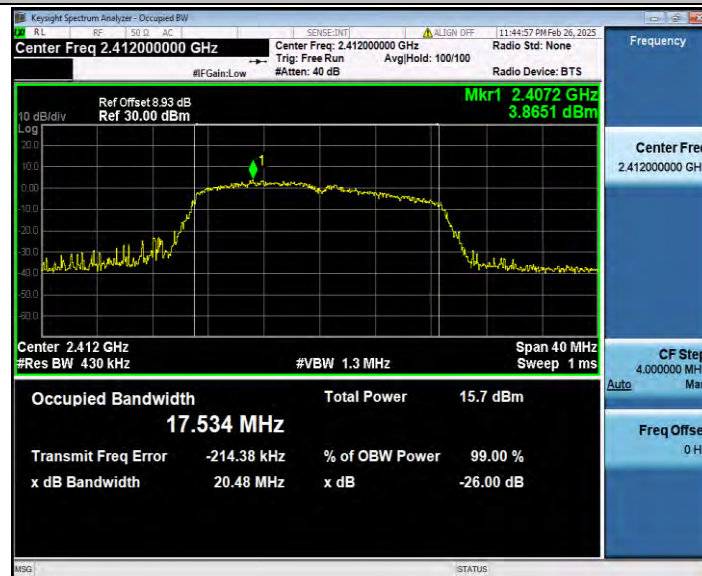
11B_Ant2_2462



11G_Ant2_2462



11N20SISO_Ant2_2412



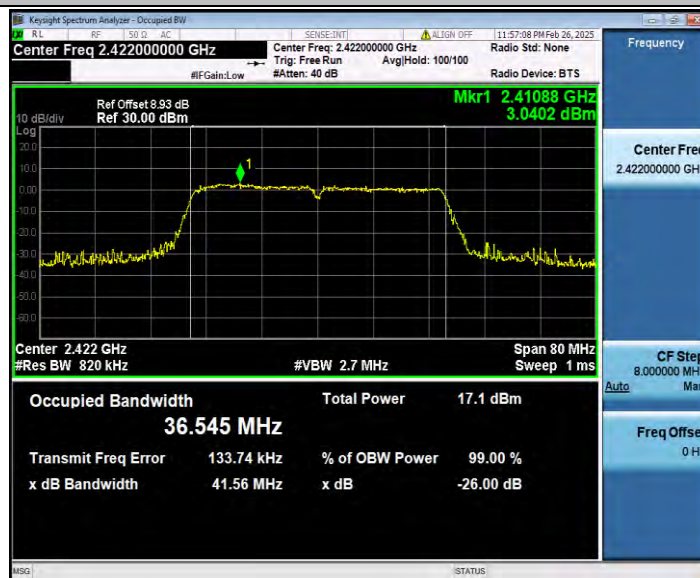
11N20SISO_Ant2_2437



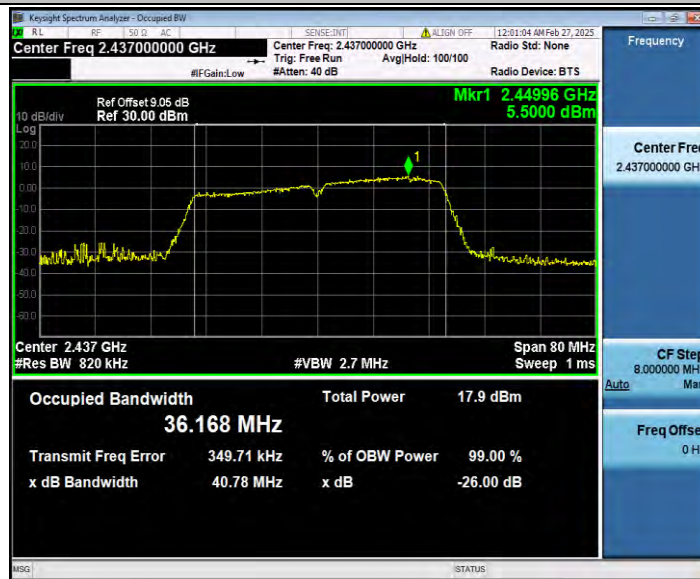
11N20SISO_Ant2_2462



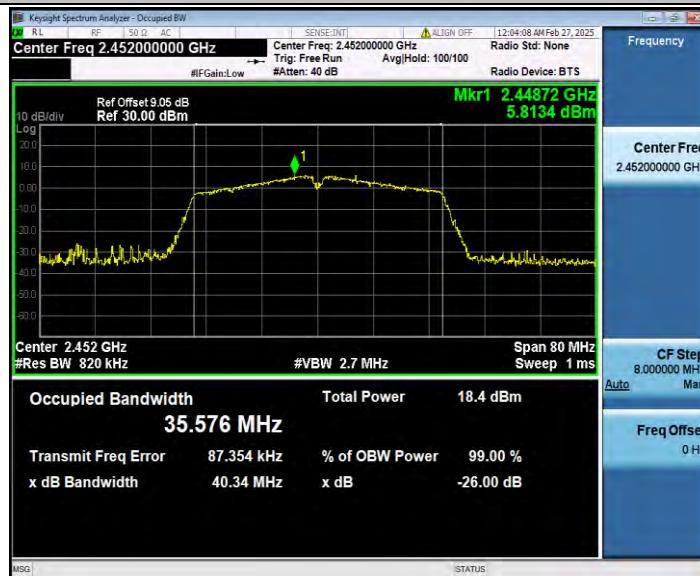
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	13.00	≤30.00	PASS
		2437	13.91	≤30.00	PASS
		2462	14.97	≤30.00	PASS
11G	Ant2	2412	16.73	≤30.00	PASS
		2437	18.10	≤30.00	PASS
		2462	18.37	≤30.00	PASS
11N20SISO	Ant2	2412	16.97	≤30.00	PASS
		2437	17.99	≤30.00	PASS
		2462	18.23	≤30.00	PASS
11N40SISO	Ant2	2422	17.52	≤30.00	PASS
		2437	18.23	≤30.00	PASS
		2452	18.75	≤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	Ant2	2412	-11.94	≤8.00	PASS
		2437	-11.42	≤8.00	PASS
		2462	-9.83	≤8.00	PASS
11G	Ant2	2412	-14.22	≤8.00	PASS
		2437	-13.50	≤8.00	PASS
		2462	-14.04	≤8.00	PASS
11N20SISO	Ant2	2412	-13.87	≤8.00	PASS
		2437	-12.43	≤8.00	PASS
		2462	-12.83	≤8.00	PASS
11N40SISO	Ant2	2422	-17.55	≤8.00	PASS
		2437	-15.74	≤8.00	PASS
		2452	-12.93	≤8.00	PASS

Test Graphs

11B_Ant2_2412



11B_Ant2_2437



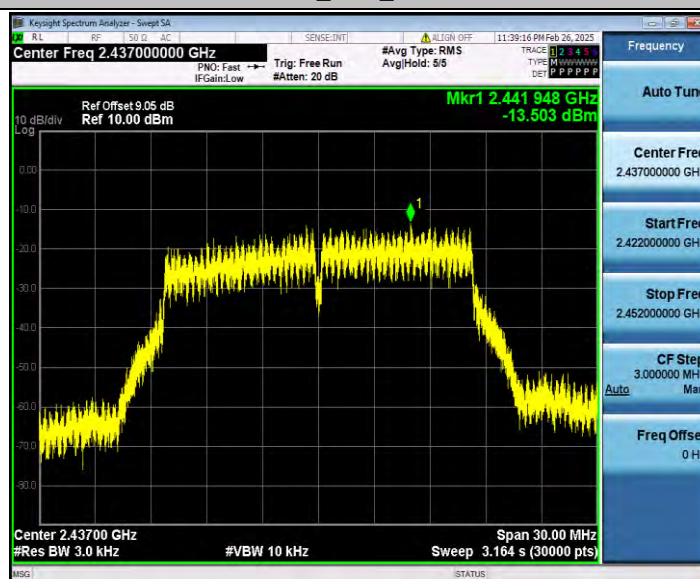
11B_Ant2_2462



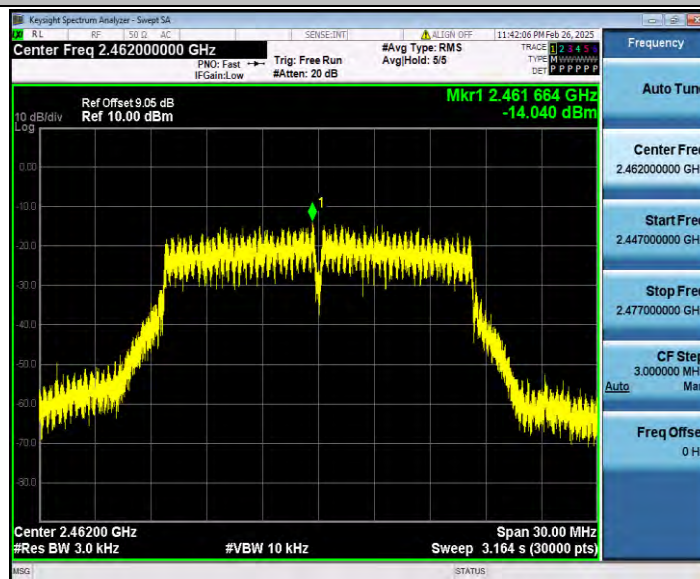
11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



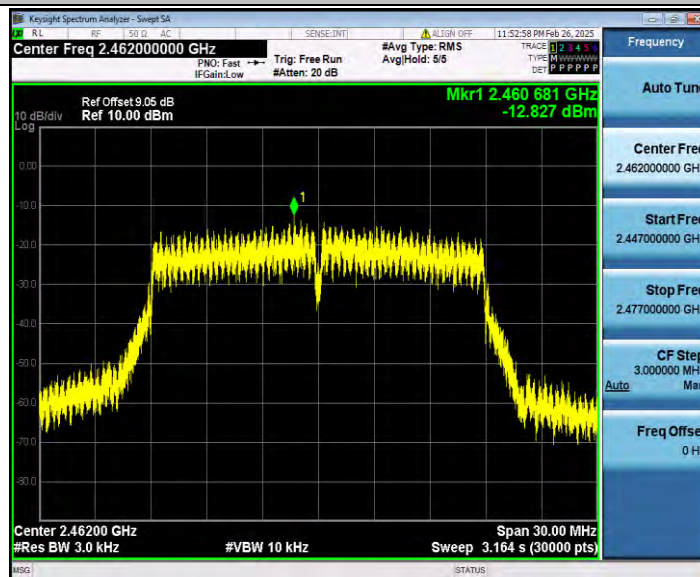
11N20SISO_Ant2_2412



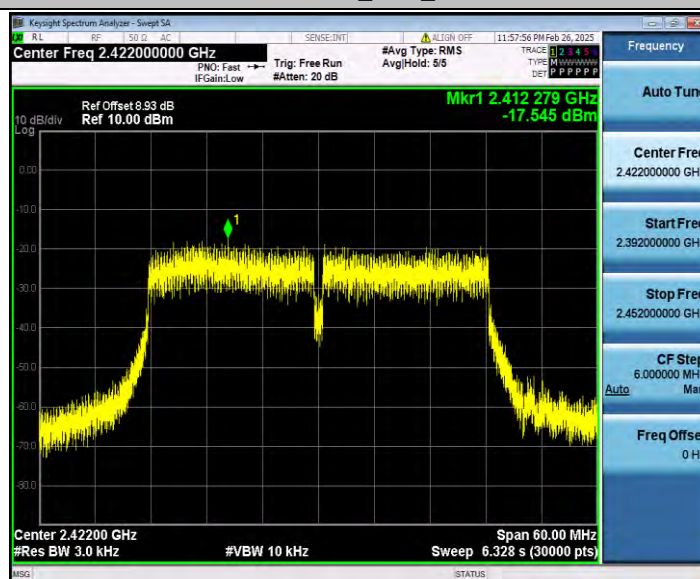
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



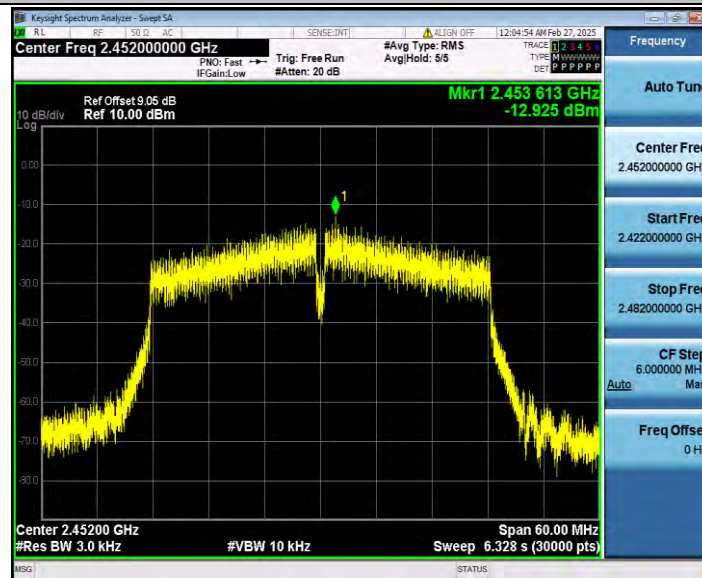
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

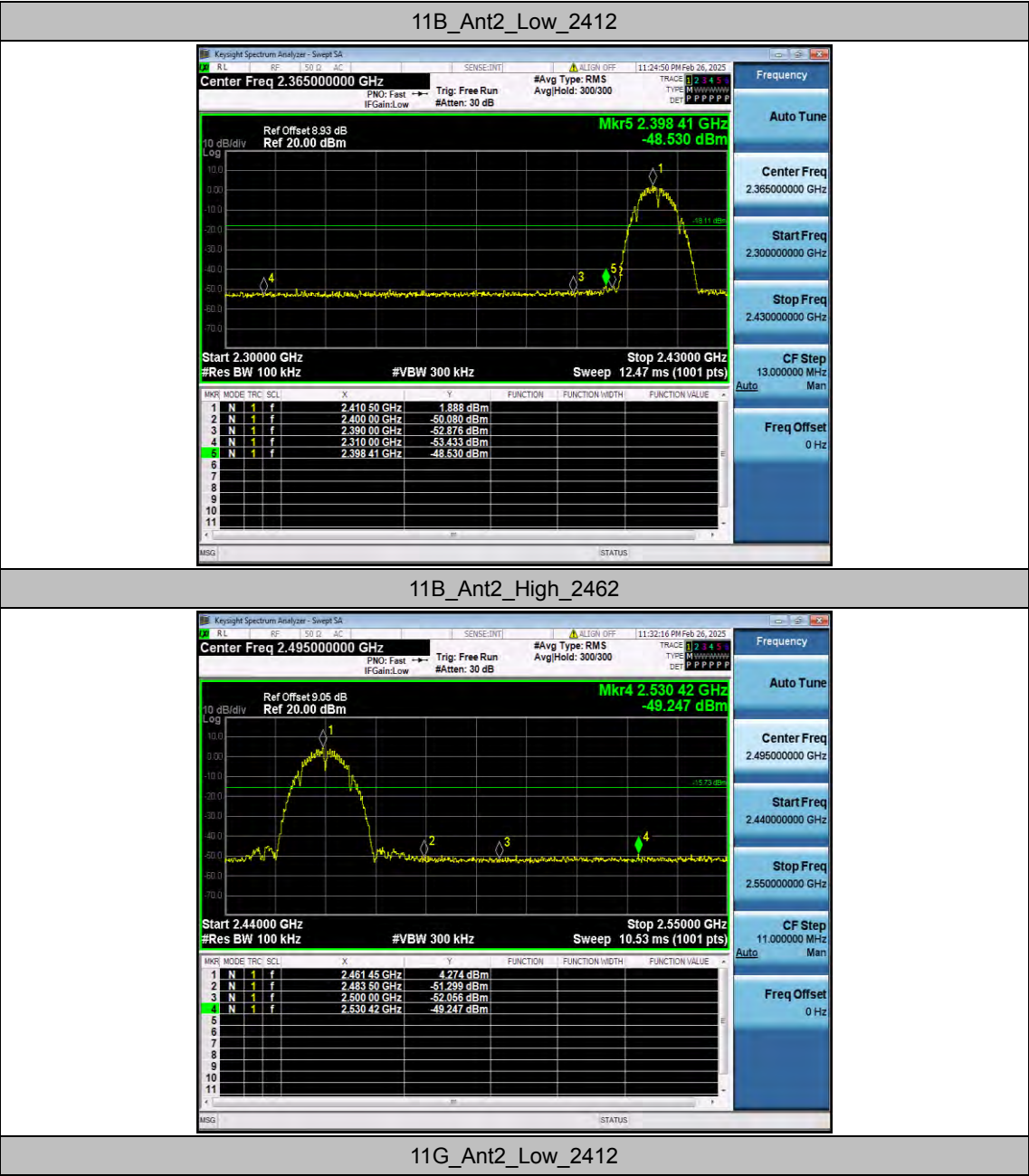


Appendix C.5: Band edge measurements

Test Result

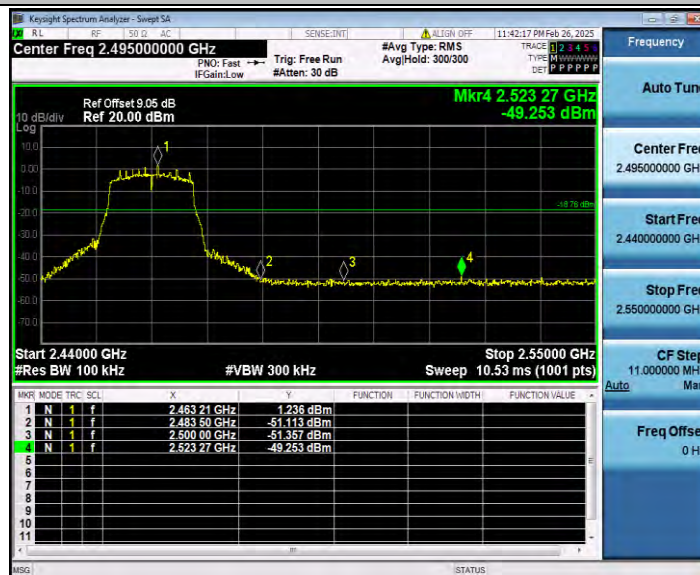
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	1.89	-48.53	≤ -18.11	PASS
		High	2462	4.27	-49.25	≤ -15.73	PASS
11G	Ant2	Low	2412	0.11	-37.8	≤ -19.89	PASS
		High	2462	1.24	-49.25	≤ -18.76	PASS
11N20SISO	Ant2	Low	2412	0.54	-35.64	≤ -19.47	PASS
		High	2462	0.99	-49.08	≤ -19.02	PASS
11N40SISO	Ant2	Low	2422	-3.32	-37.01	≤ -23.32	PASS
		High	2452	-0.30	-45.27	≤ -20.3	PASS

Test Graphs

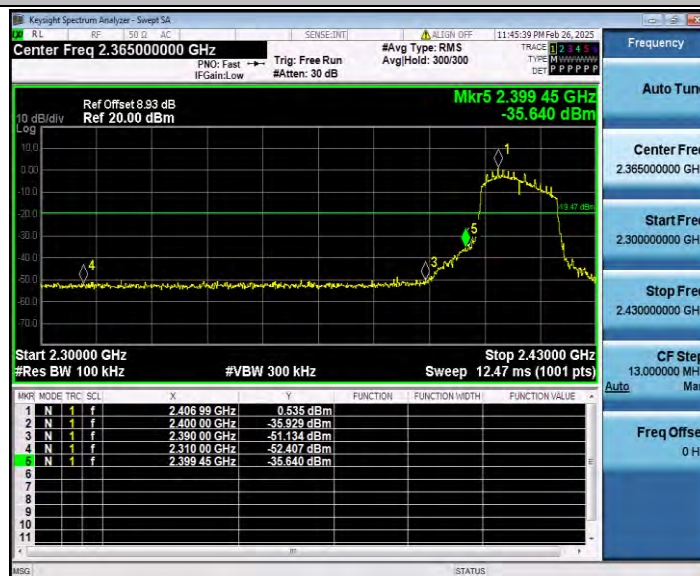




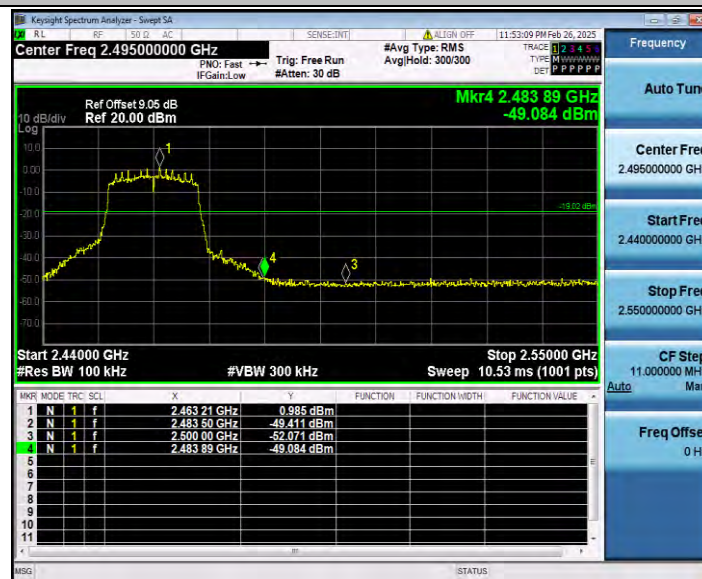
11G_Ant2_High_2462



11N20SISO_Ant2_Low_2412



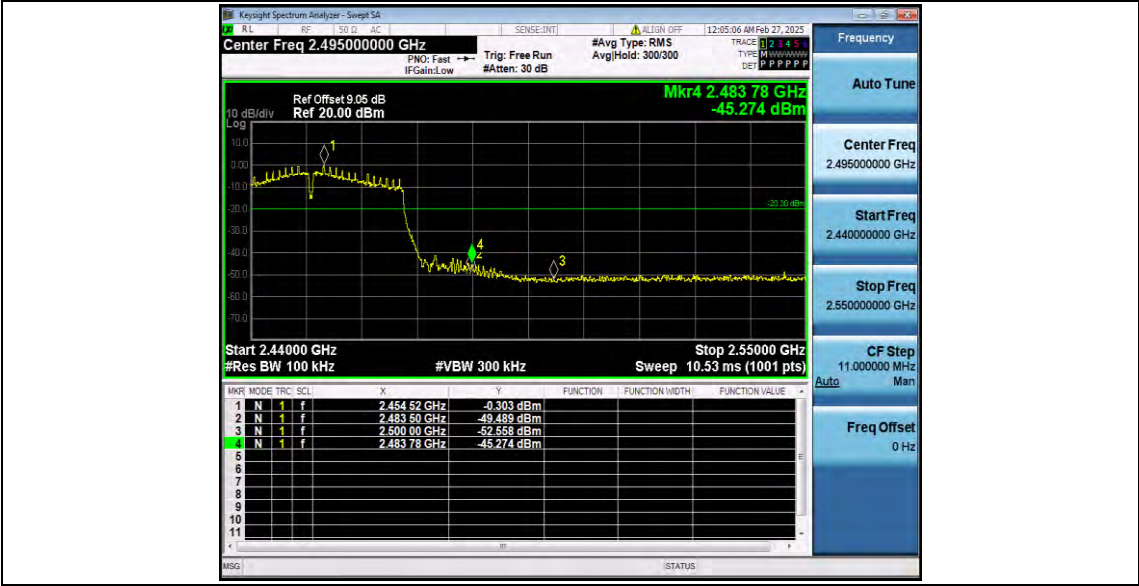
11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

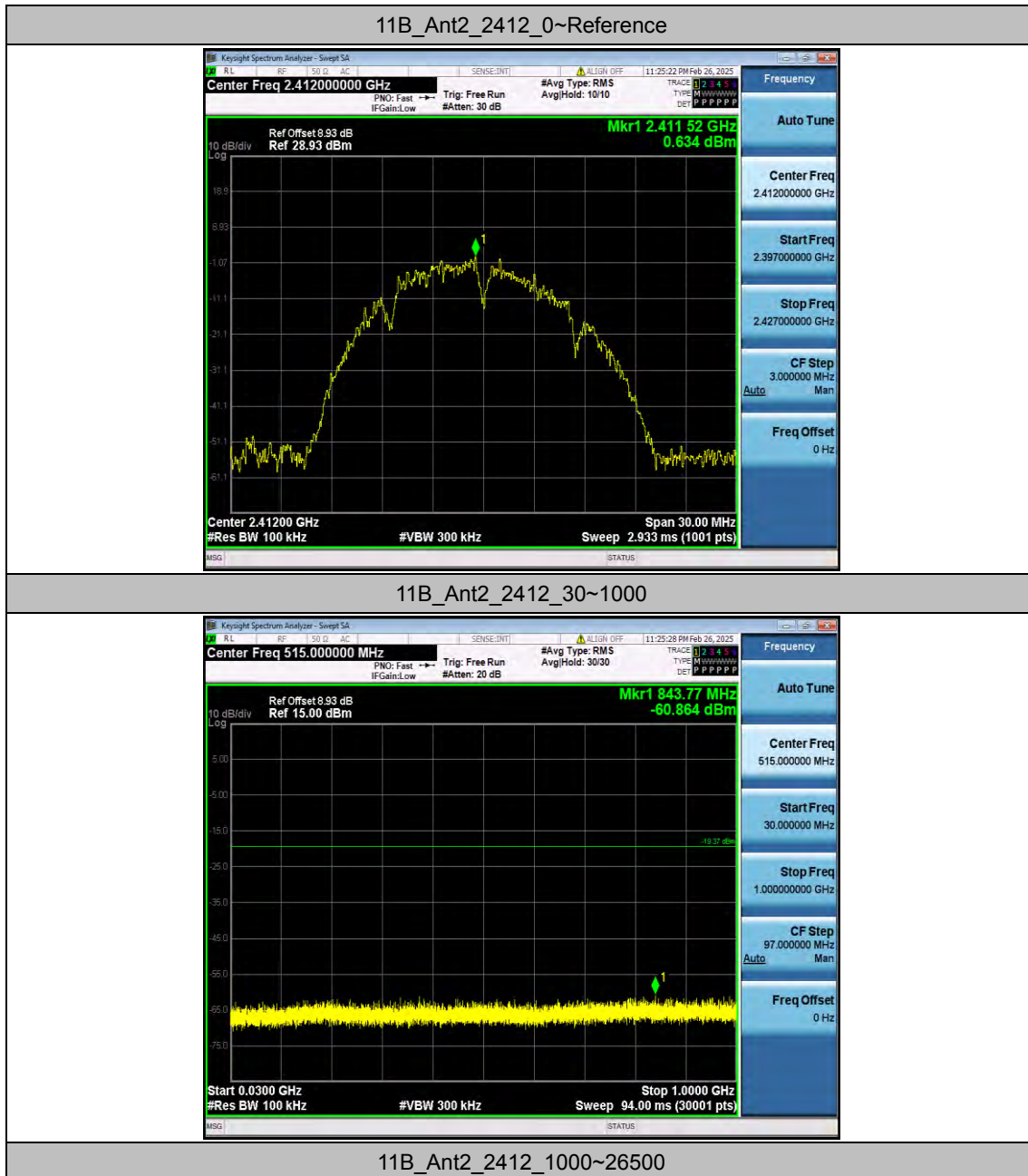


Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	0.63	0.63	---	PASS
			30~1000	0.63	-60.86	≤ -19.37	PASS
			1000~26500	0.63	-47.65	≤ -19.37	PASS
		2437	Reference	2.32	2.32	---	PASS
			30~1000	2.32	-60.74	≤ -17.68	PASS
			1000~26500	2.32	-47.59	≤ -17.68	PASS
		2462	Reference	1.83	1.83	---	PASS
			30~1000	1.83	-60.13	≤ -18.17	PASS
			1000~26500	1.83	-47.97	≤ -18.17	PASS
11G	Ant2	2412	Reference	-2.42	-2.42	---	PASS
			30~1000	-2.42	-60.77	≤ -22.42	PASS
			1000~26500	-2.42	-46.98	≤ -22.42	PASS
		2437	Reference	-2.78	-2.78	---	PASS
			30~1000	-2.78	-60.46	≤ -22.78	PASS
			1000~26500	-2.78	-47.23	≤ -22.78	PASS
		2462	Reference	-0.03	-0.03	---	PASS
			30~1000	-0.03	-60.8	≤ -20.03	PASS
			1000~26500	-0.03	-47.58	≤ -20.03	PASS
11N20SISO	Ant2	2412	Reference	-2.76	-2.76	---	PASS
			30~1000	-2.76	-60.81	≤ -22.76	PASS
			1000~26500	-2.76	-47.14	≤ -22.76	PASS
		2437	Reference	-0.03	-0.03	---	PASS
			30~1000	-0.03	-60.77	≤ -20.03	PASS
			1000~26500	-0.03	-48.02	≤ -20.03	PASS
		2462	Reference	-0.45	-0.45	---	PASS
			30~1000	-0.45	-60.3	≤ -20.45	PASS
			1000~26500	-0.45	-48.12	≤ -20.45	PASS
11N40SISO	Ant2	2422	Reference	-3.58	-3.58	---	PASS
			30~1000	-3.58	-60.99	≤ -23.58	PASS
			1000~26500	-3.58	-48.03	≤ -23.58	PASS
		2437	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-60.12	≤ -20.86	PASS
			1000~26500	-0.86	-47.87	≤ -20.86	PASS
		2452	Reference	-1.26	-1.26	---	PASS
			30~1000	-1.26	-60.89	≤ -21.26	PASS
			1000~26500	-1.26	-47.8	≤ -21.26	PASS

Test Graphs

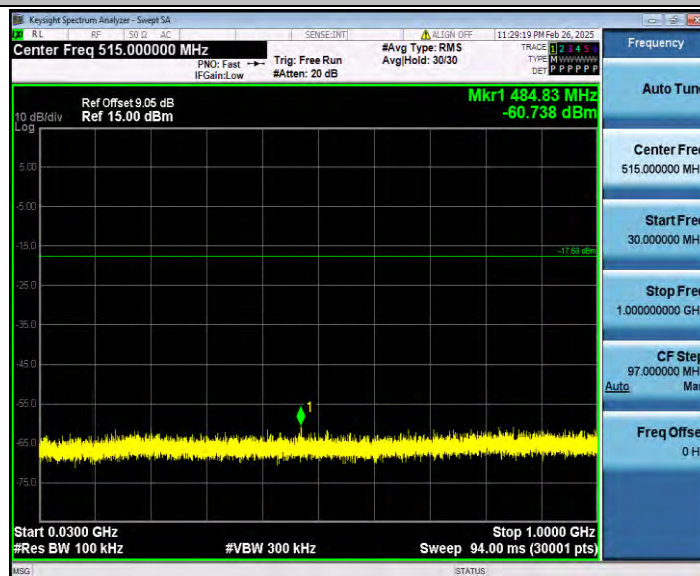




11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



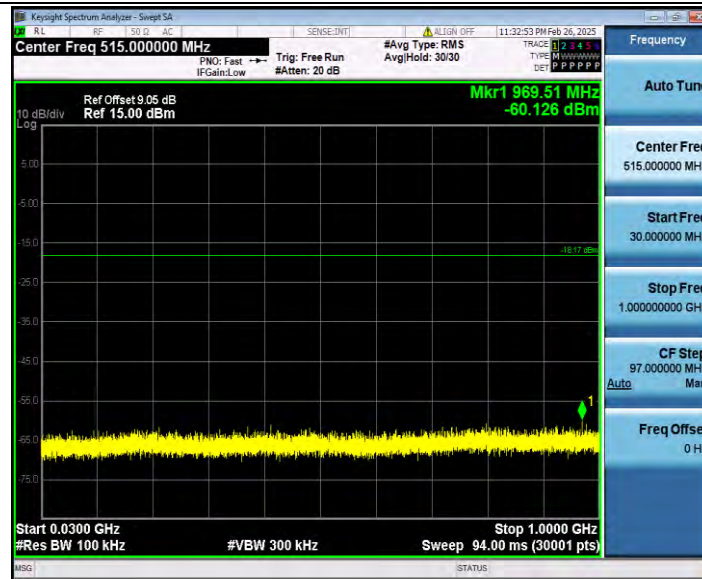
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000



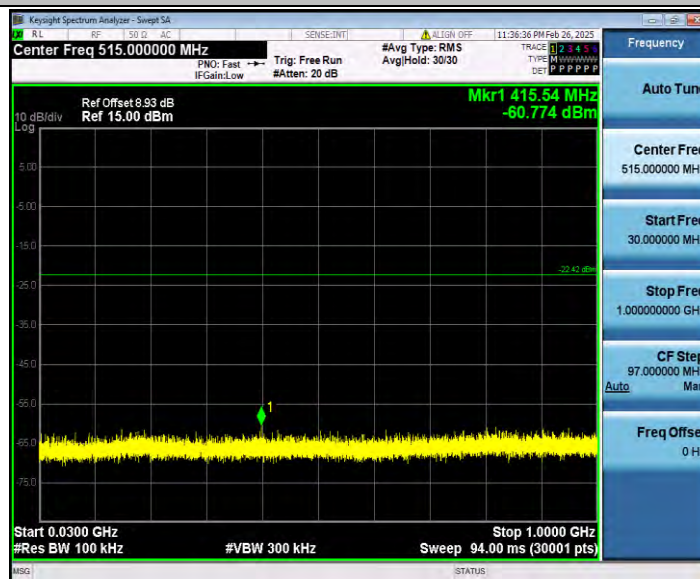
11B_Ant2_2462_1000~26500



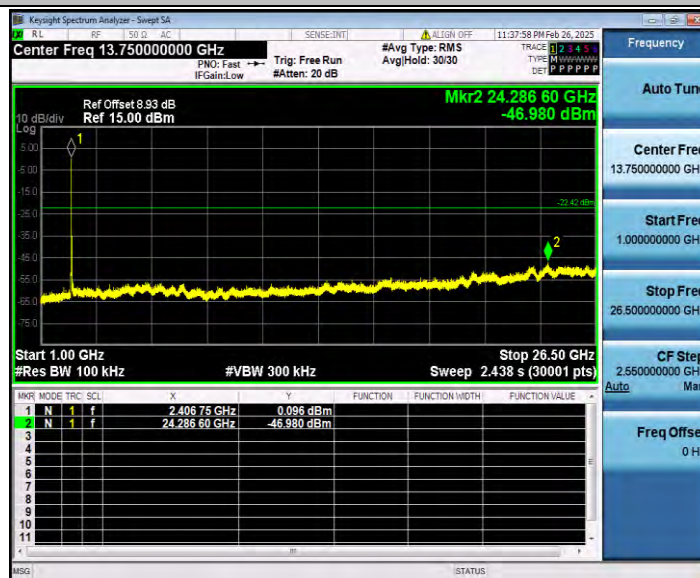
11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



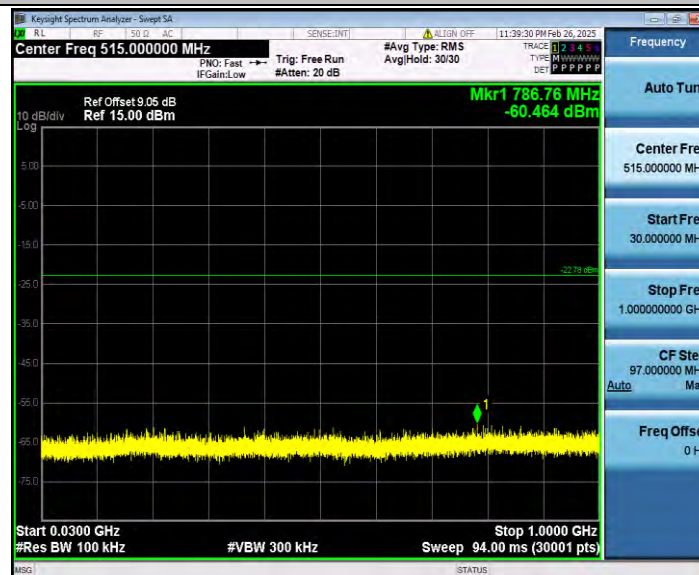
11G_Ant2_2412_1000~26500



11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000



11G_Ant2_2437_1000~26500



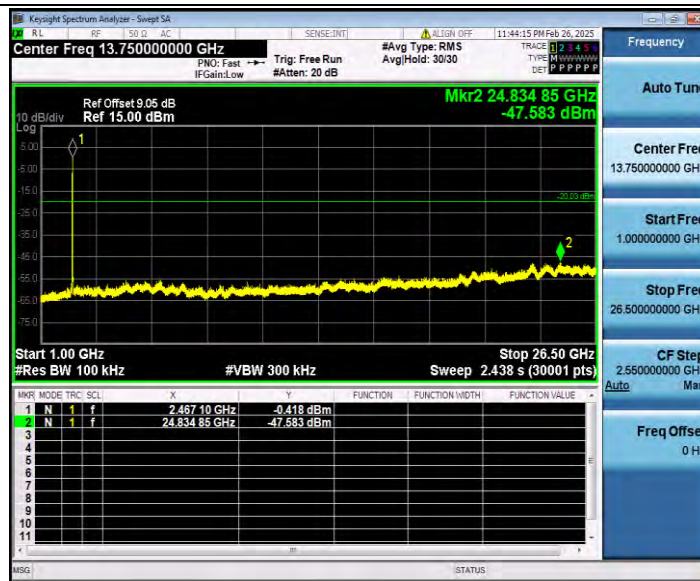
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



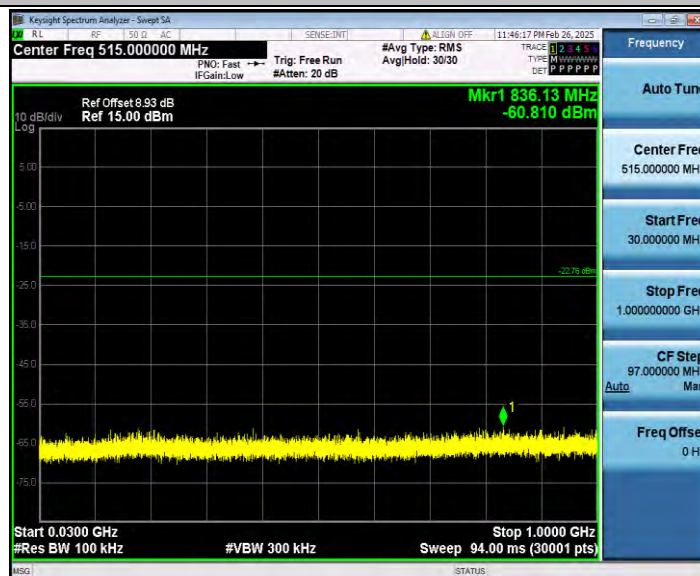
11G_Ant2_2462_1000~26500



11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



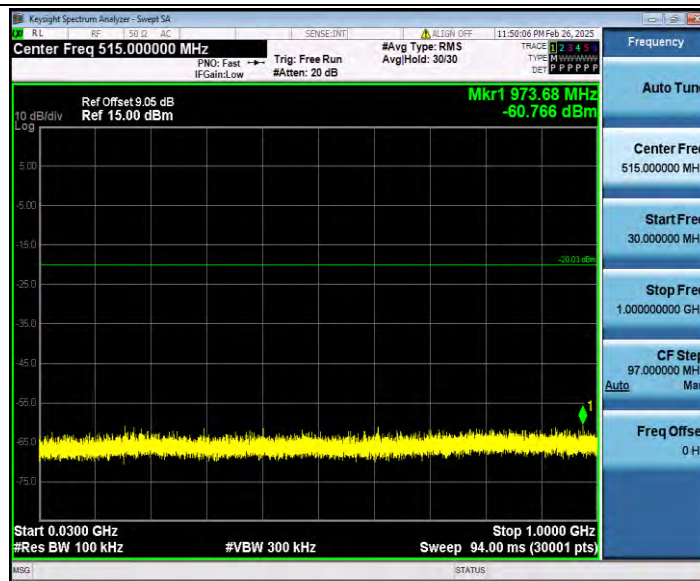
11N20SISO_Ant2_2412_1000~26500



11N20SISO_Ant2_2437_0~Reference



11N20SISO_Ant2_2437_30~1000

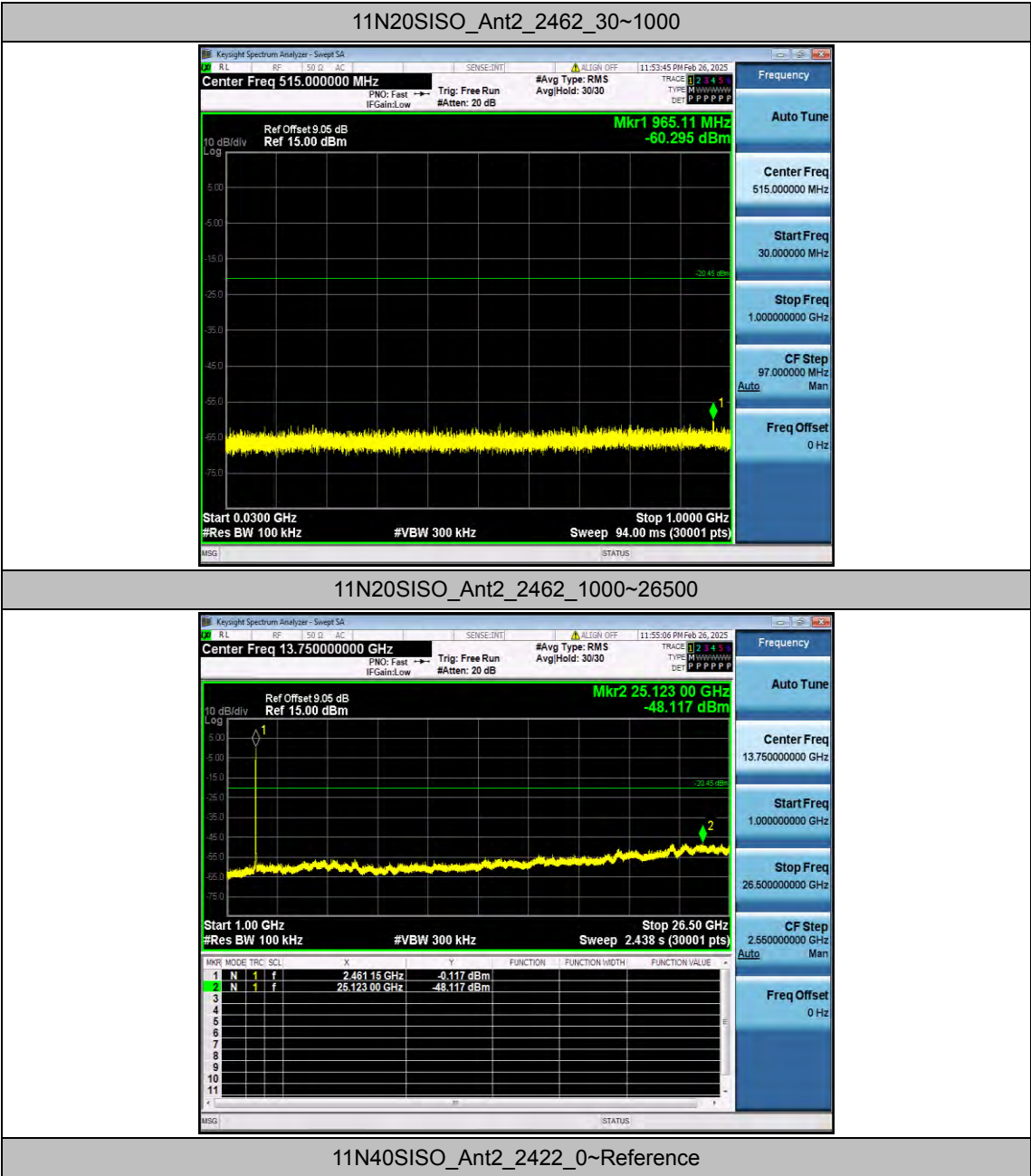


11N20SISO_Ant2_2437_1000~26500



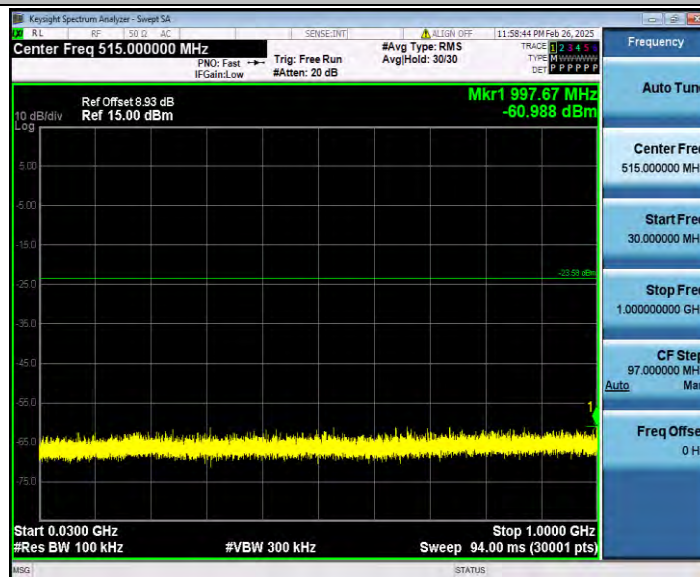
11N20SISO_Ant2_2462_0~Reference







11N40SISO_Ant2_2422_30~1000



11N40SISO_Ant2_2422_1000~26500



11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



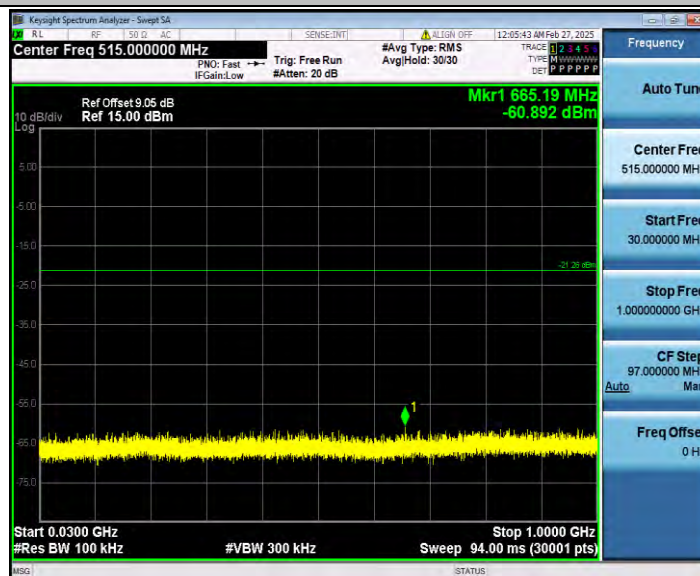
11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000





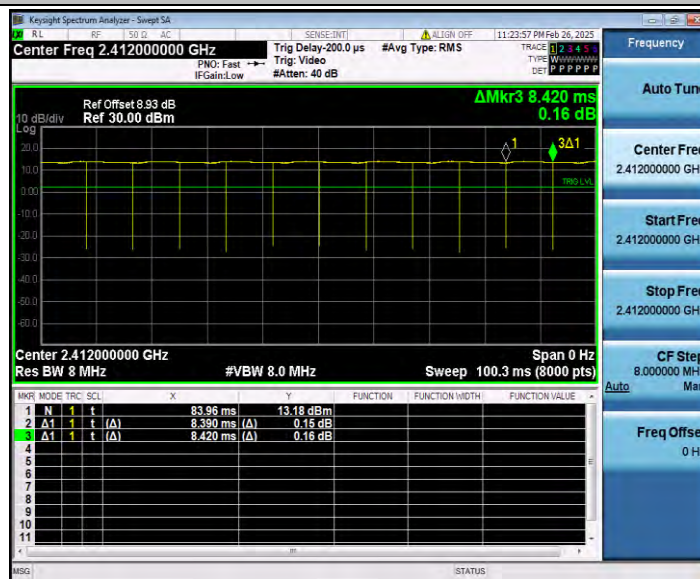
Appendix C.7: Duty Cycle

Test Result

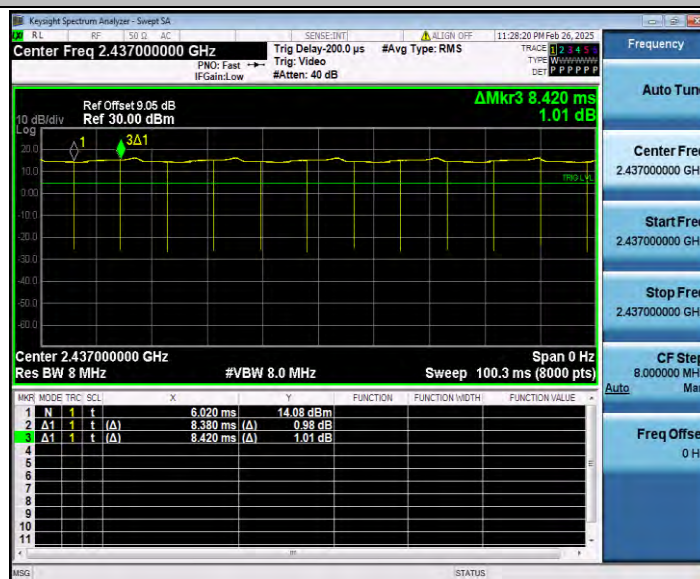
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant2	2412	8.39	8.42	99.64	0.02	0.12
		2437	8.38	8.42	99.52	0.02	0.12
		2462	8.38	8.41	99.64	0.02	0.12
11G	Ant2	2412	1.39	1.43	97.20	0.12	0.72
		2437	1.39	1.42	97.89	0.09	0.72
		2462	1.39	1.43	97.20	0.12	0.72
11N20SISO	Ant2	2412	1.30	1.33	97.74	0.10	0.77
		2437	1.29	1.32	97.73	0.10	0.78
		2462	1.29	1.33	96.99	0.13	0.78
11N40SISO	Ant2	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	0.67	95.52	0.20	1.56

Test Graphs

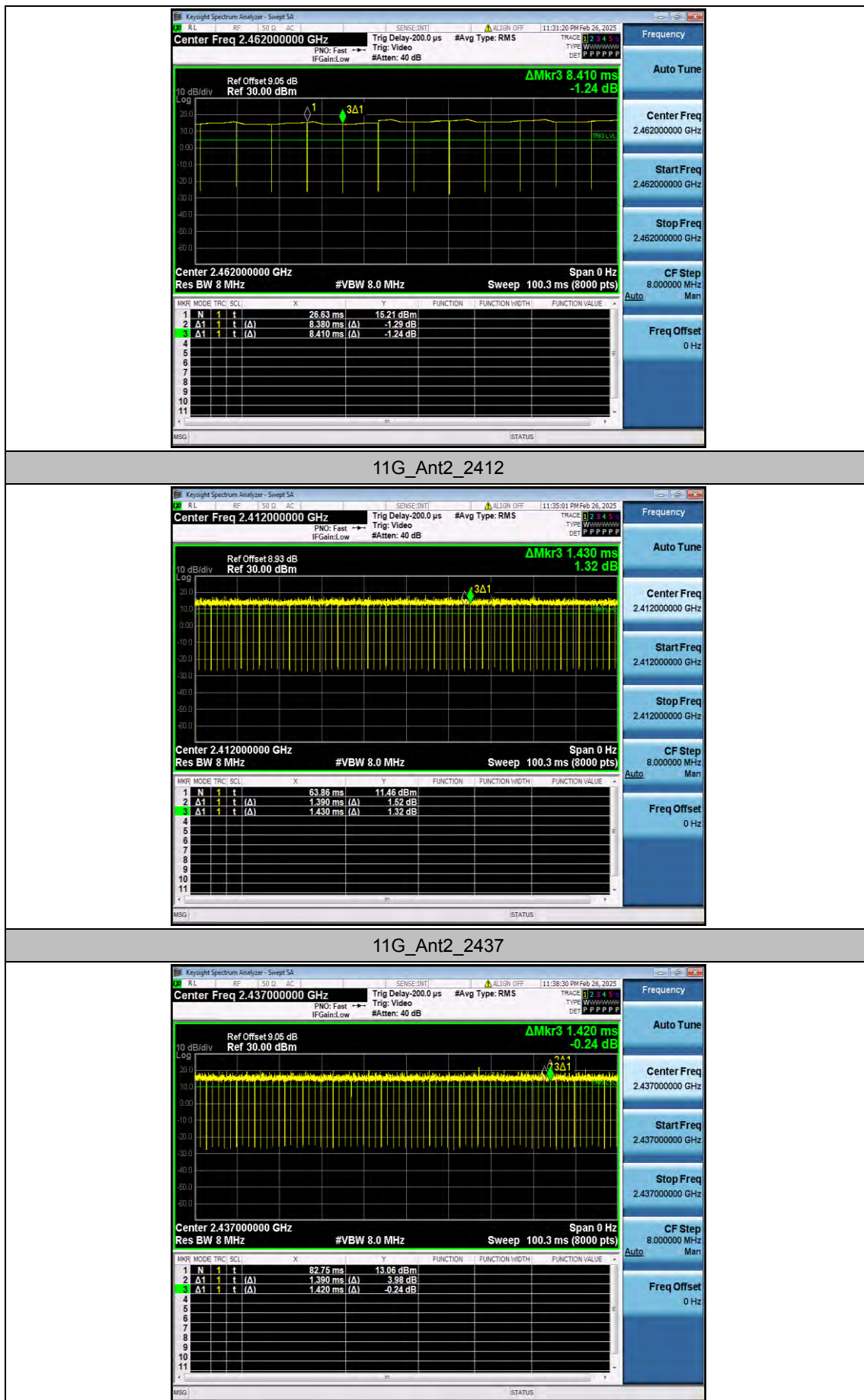
11B_Ant2_2412



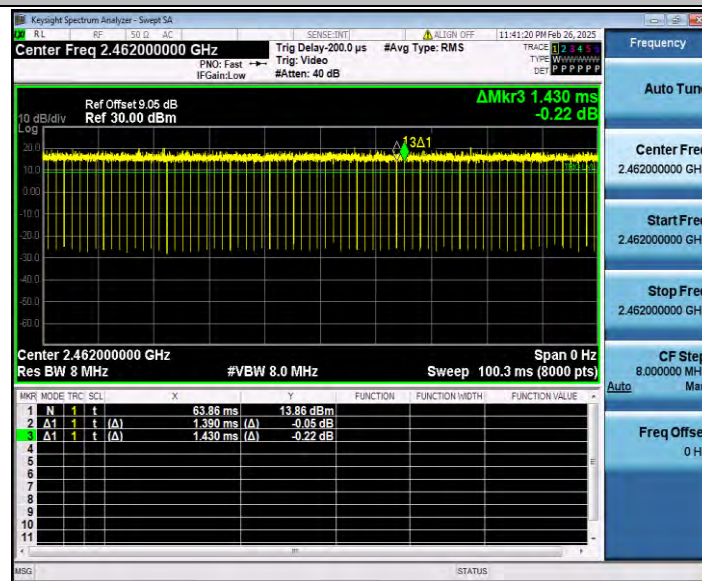
11B_Ant2_2437



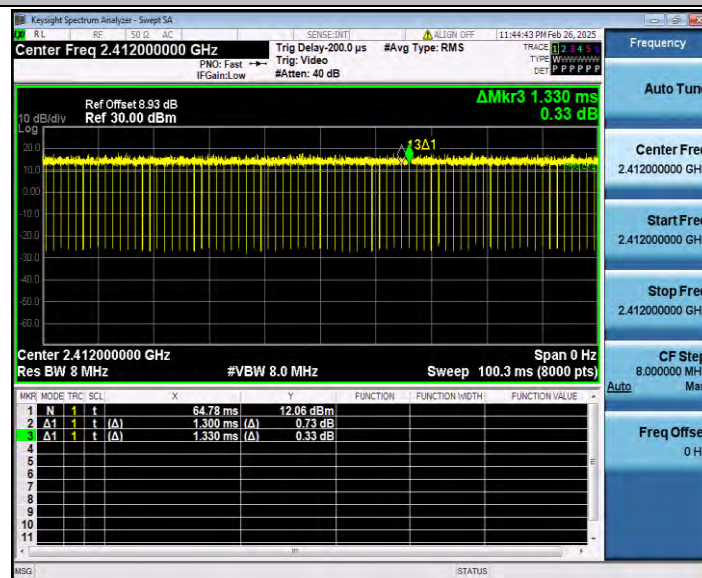
11B_Ant2_2462



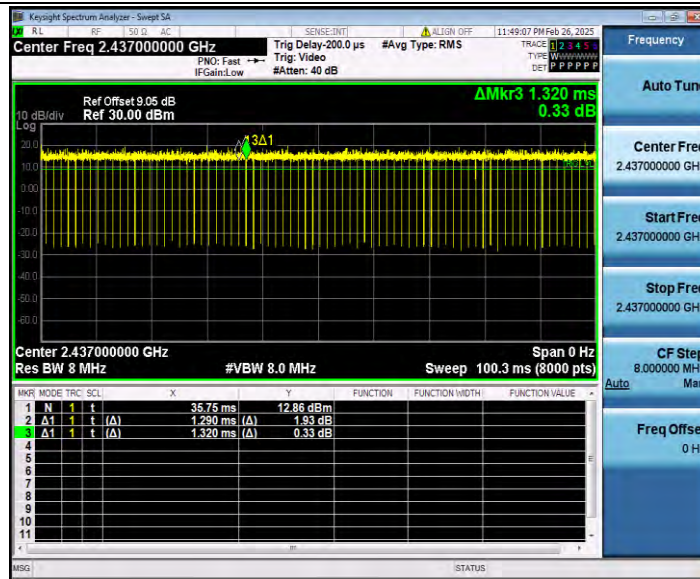
11G_Ant2_2462



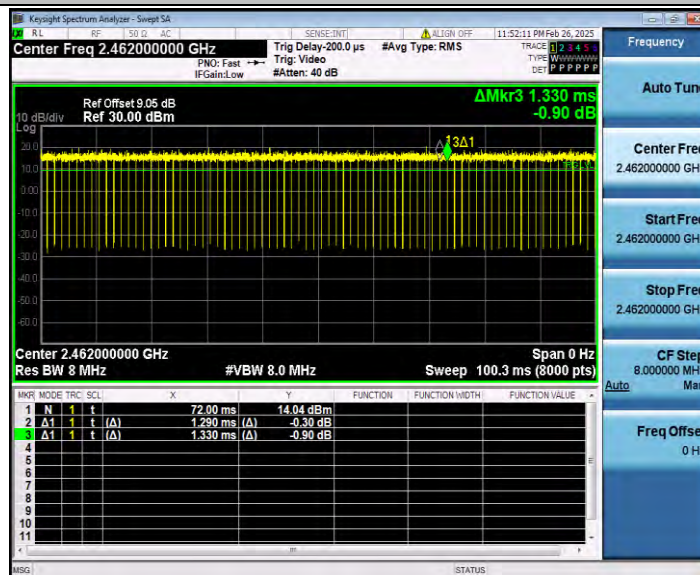
11N20SISO_Ant2_2412



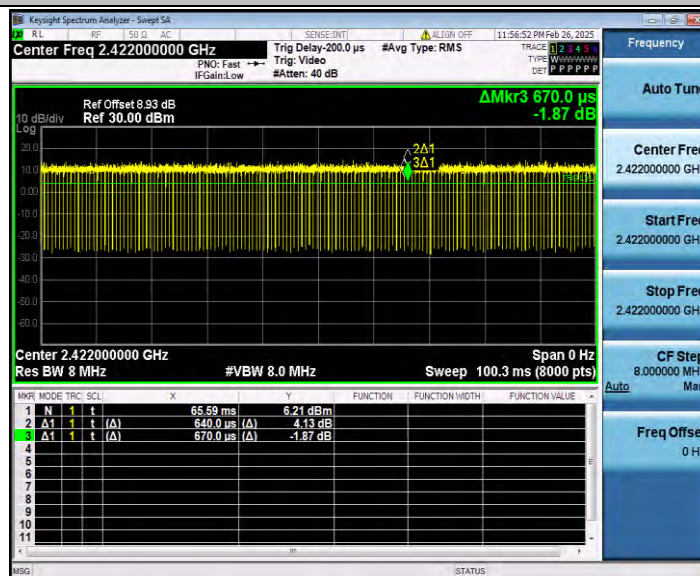
11N20SISO_Ant2_2437



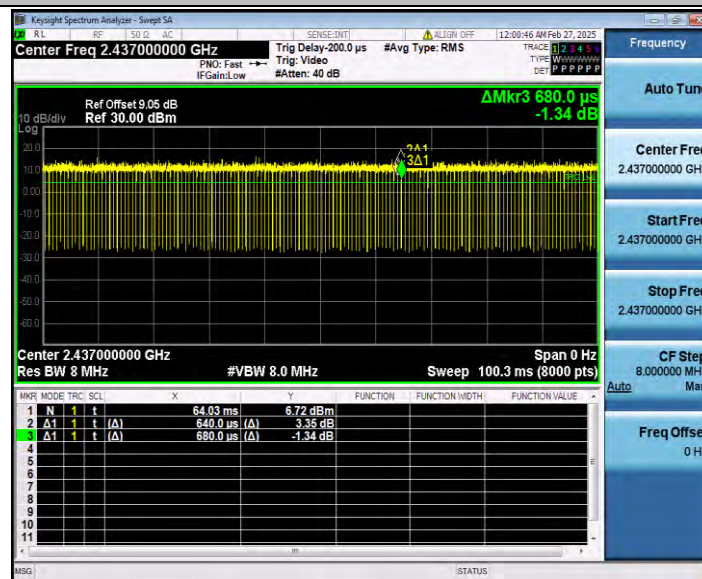
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

