

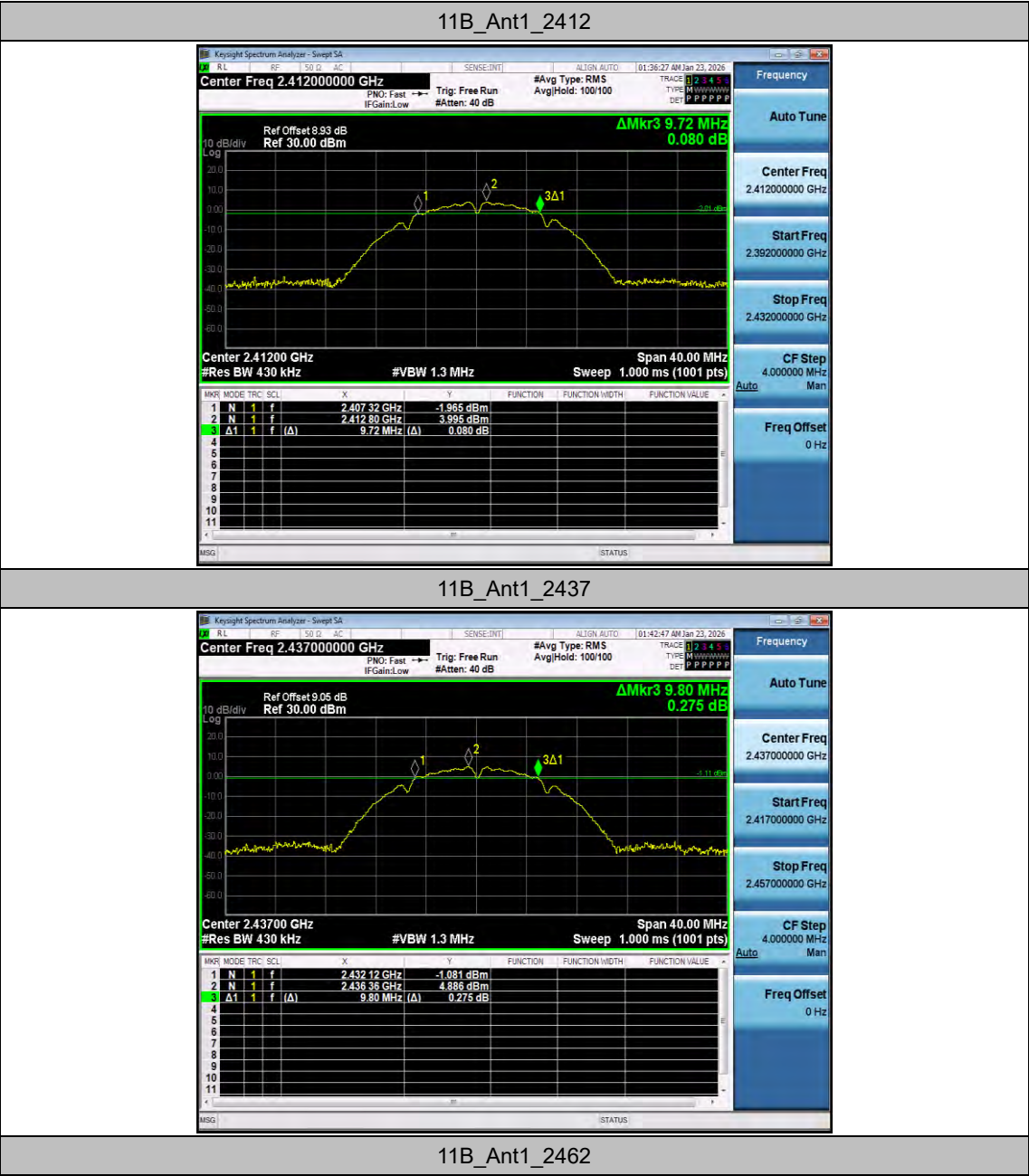
Case No. : <u>GTS20251114004-1-01</u>
Ambient Condition: <u>20℃,45%RH,</u>
Test Date: <u>2026.1.15-2026.1.23</u> Test Engineer: <u>Evan ouyang</u>

AppendixA.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.720	2407.320	2417.040	0.5	PASS
		2437	9.800	2432.120	2441.920	0.5	PASS
		2462	9.760	2457.200	2466.960	0.5	PASS
11G	Ant1	2412	15.120	2404.920	2420.040	0.5	PASS
		2437	15.800	2429.040	2444.840	0.5	PASS
		2462	15.200	2454.720	2469.920	0.5	PASS
11N20SISO	Ant1	2412	15.400	2405.280	2420.680	0.5	PASS
		2437	16.680	2428.600	2445.280	0.5	PASS
		2462	14.880	2454.840	2469.720	0.5	PASS
11N40SISO	Ant1	2422	30.720	2407.360	2438.080	0.5	PASS
		2437	34.960	2419.400	2454.360	0.5	PASS
		2452	33.600	2435.840	2469.440	0.5	PASS

Test Graphs



11B_Ant1_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_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



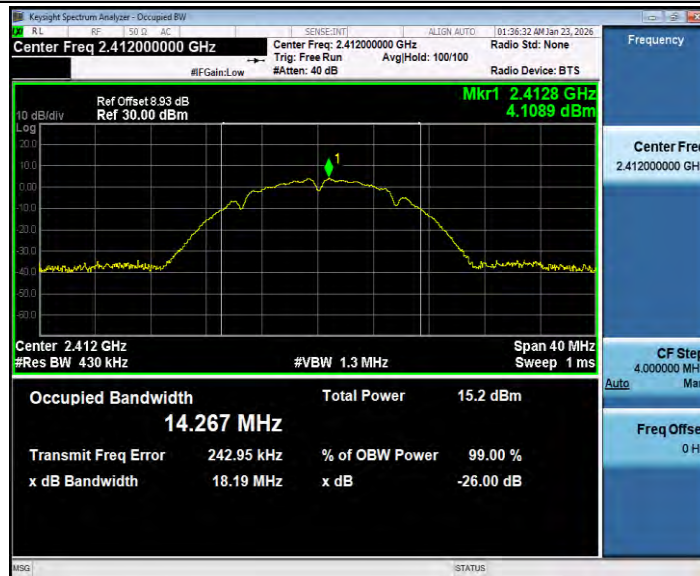
AppendixA.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.267	2405.1095	2419.3765	---	---
		2437	14.430	2429.7970	2444.2270	---	---
		2462	14.337	2454.9661	2469.3031	---	---
11G	Ant1	2412	16.665	2403.8021	2420.4671	---	---
		2437	16.777	2428.6481	2445.4251	---	---
		2462	16.659	2453.7447	2470.4037	---	---
11N20SISO	Ant1	2412	17.602	2403.3466	2420.9486	---	---
		2437	17.661	2428.2390	2445.9000	---	---
		2462	17.650	2453.2948	2470.9448	---	---
11N40SISO	Ant1	2422	35.852	2404.2294	2440.0814	---	---
		2437	36.113	2419.0099	2455.1229	---	---
		2452	36.200	2434.0606	2470.2606	---	---

Test Graphs

11B_Ant1_2412



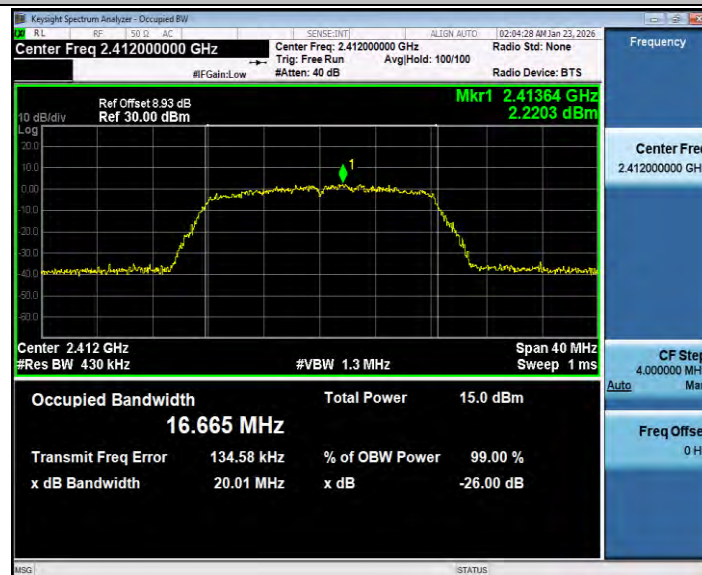
11B_Ant1_2437



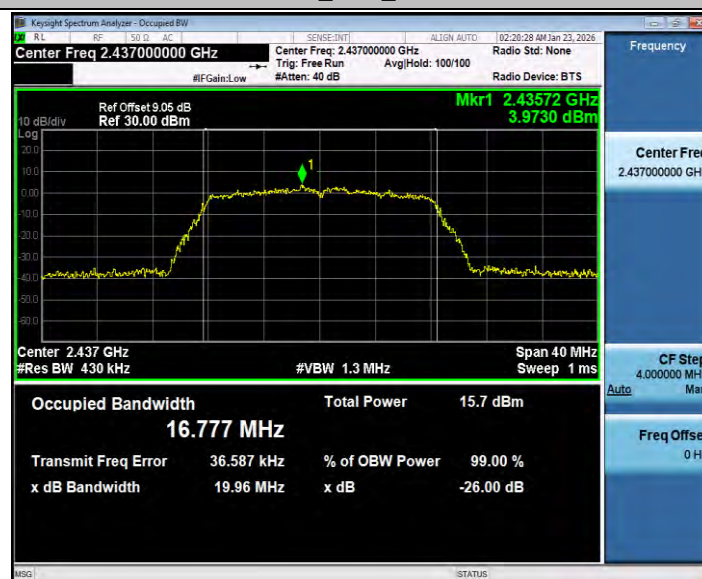
11B_Ant1_2462



11G_Ant1_2412



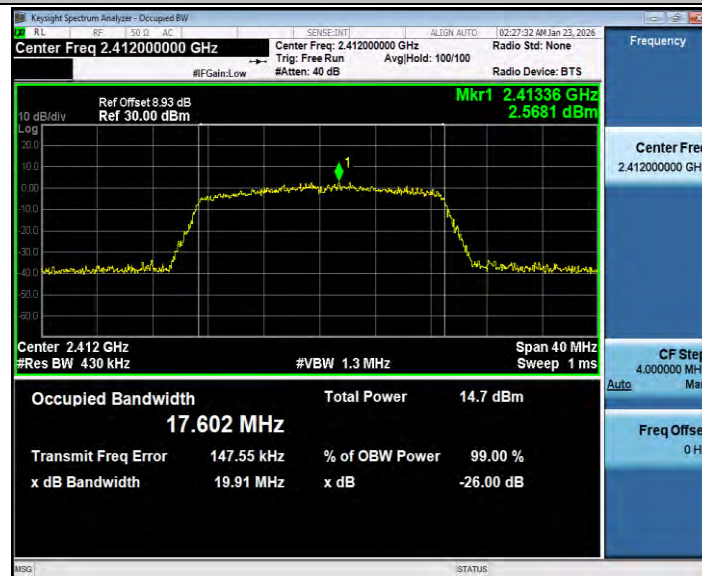
11G_Ant1_2437



11G_Ant1_2462



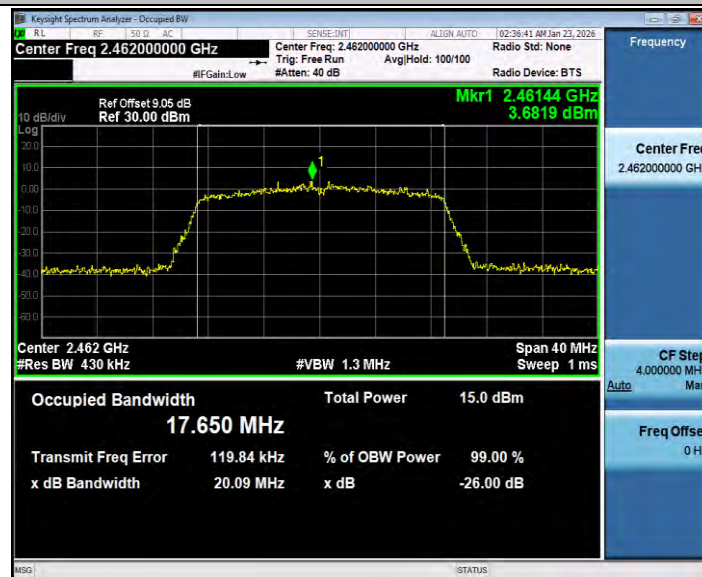
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



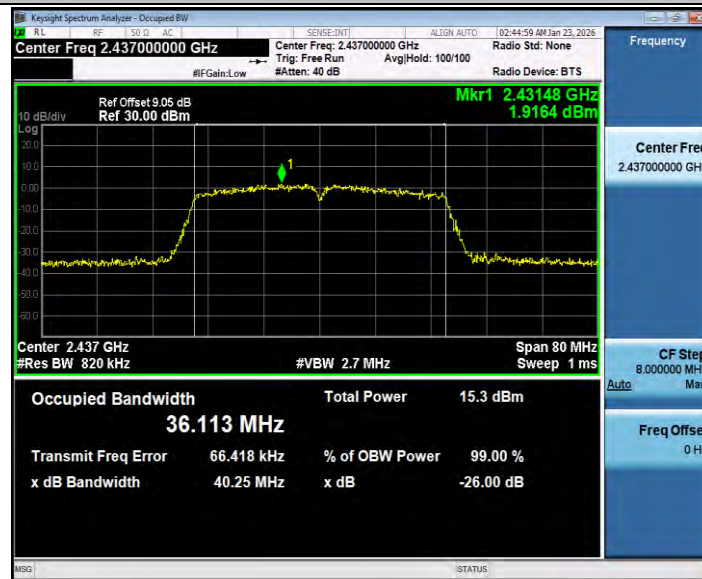
11N20SISO_Ant1_2462



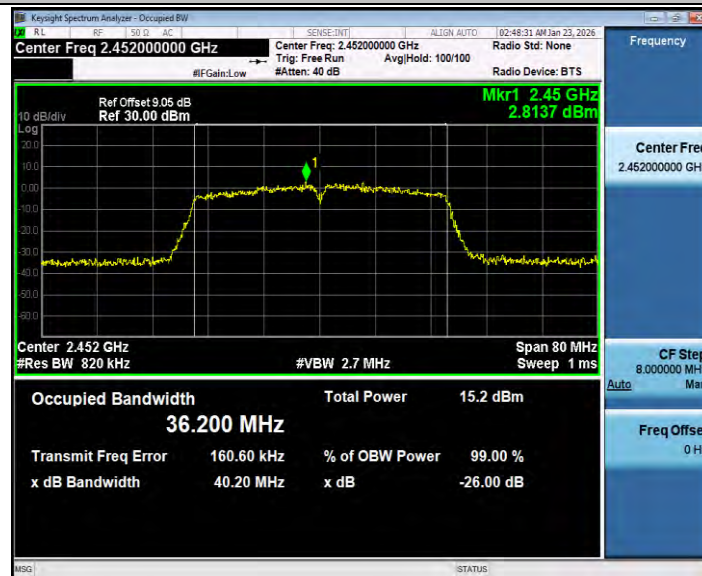
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



AppendixA.3: Maximum conducted output power

Test Result -CHP

TestMode	Antenna	Frequency [MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.88	≤30.00	PASS
		2437	15.74	≤30.00	PASS
		2462	15.12	≤30.00	PASS
11G	Ant1	2412	15.86	≤30.00	PASS
		2437	16.62	≤30.00	PASS
		2462	16.14	≤30.00	PASS
11N20SISO	Ant1	2412	15.53	≤30.00	PASS
		2437	16.45	≤30.00	PASS
		2462	15.87	≤30.00	PASS
11N40SISO	Ant1	2422	14.68	≤30.00	PASS
		2437	15.23	≤30.00	PASS
		2452	15.20	≤30.00	PASS

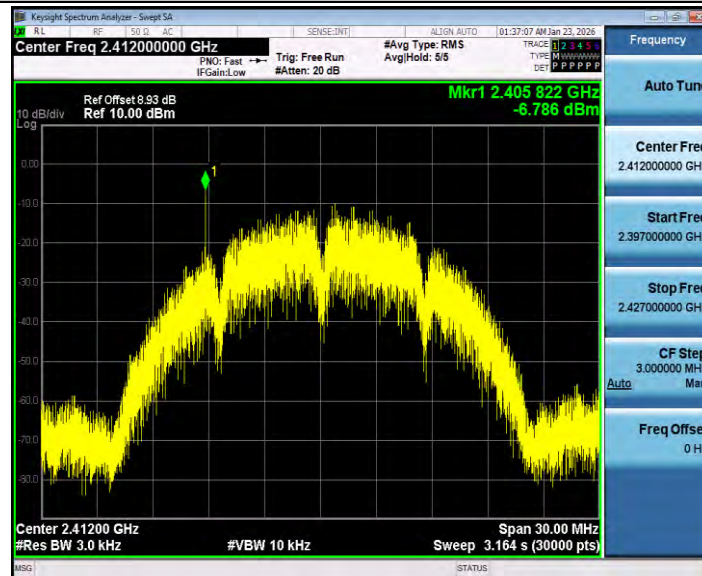
AppendixA.4: Maximum power spectral density

Test Result

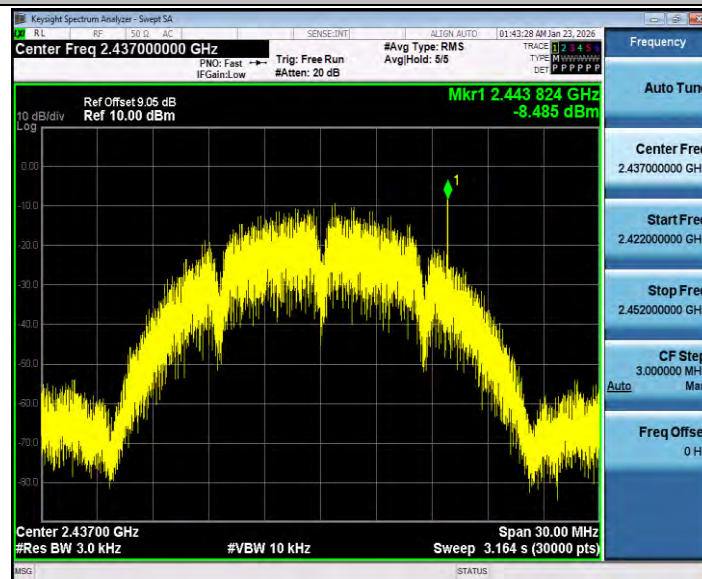
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.79	≤8.00	PASS
		2437	-8.49	≤8.00	PASS
		2462	3.28	≤8.00	PASS
11G	Ant1	2412	-17.17	≤8.00	PASS
		2437	-16.84	≤8.00	PASS
		2462	-16.33	≤8.00	PASS
11N20SISO	Ant1	2412	-16.96	≤8.00	PASS
		2437	-16.70	≤8.00	PASS
		2462	-16.69	≤8.00	PASS
11N40SISO	Ant1	2422	-21.13	≤8.00	PASS
		2437	-21.02	≤8.00	PASS
		2452	-20.81	≤8.00	PASS

Test Graphs

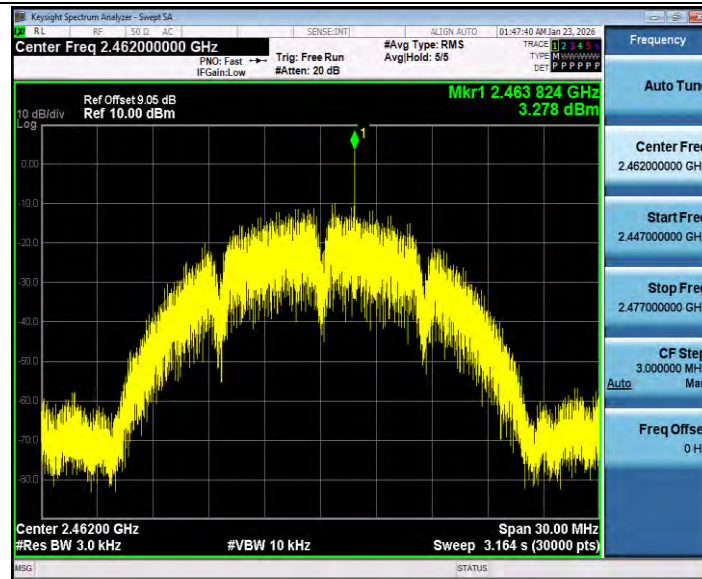
11B_Ant1_2412



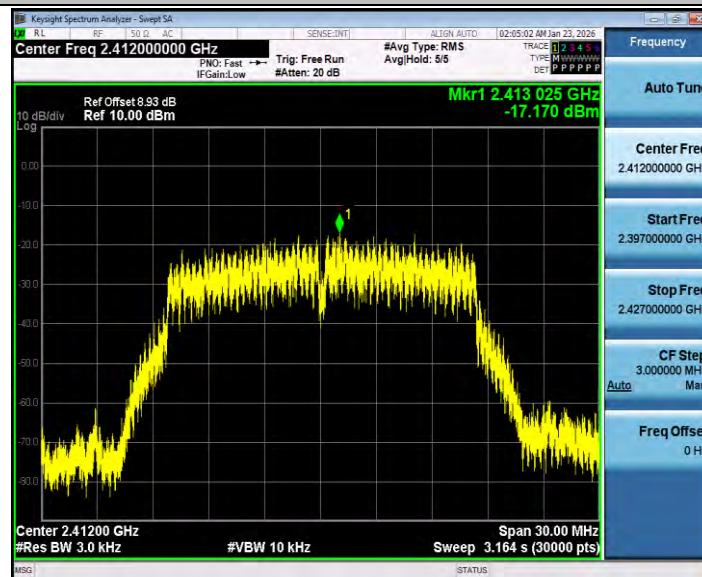
11B_Ant1_2437



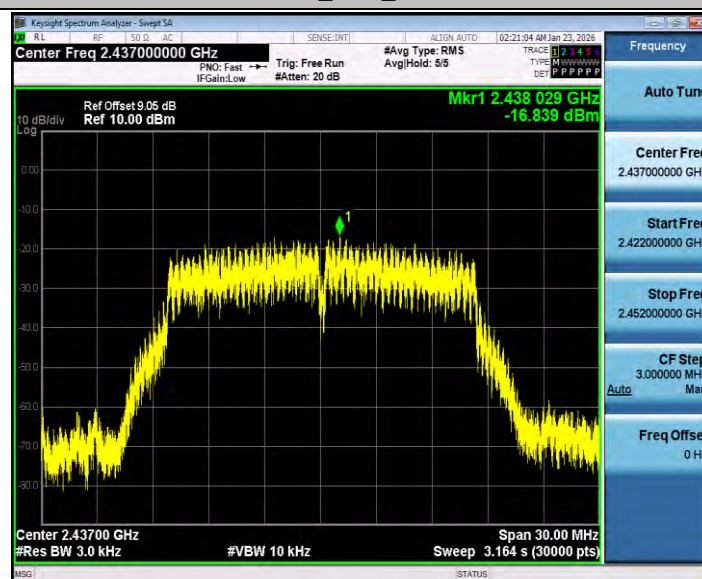
11B_Ant1_2462



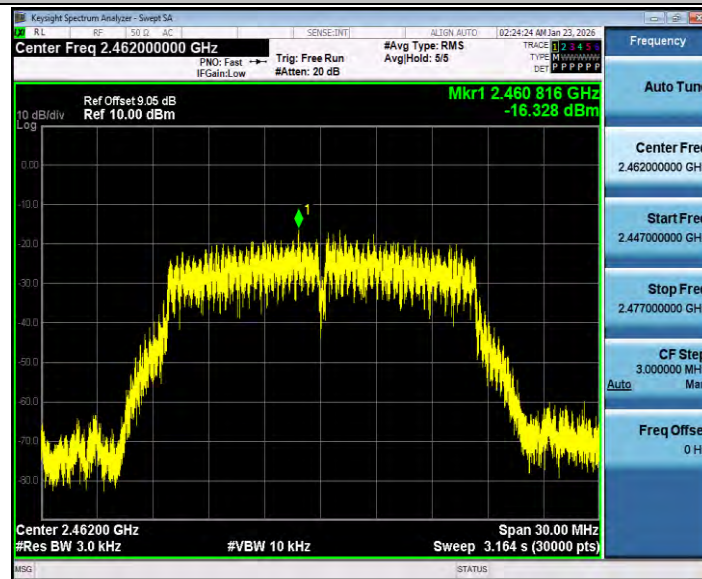
11G_Ant1_2412



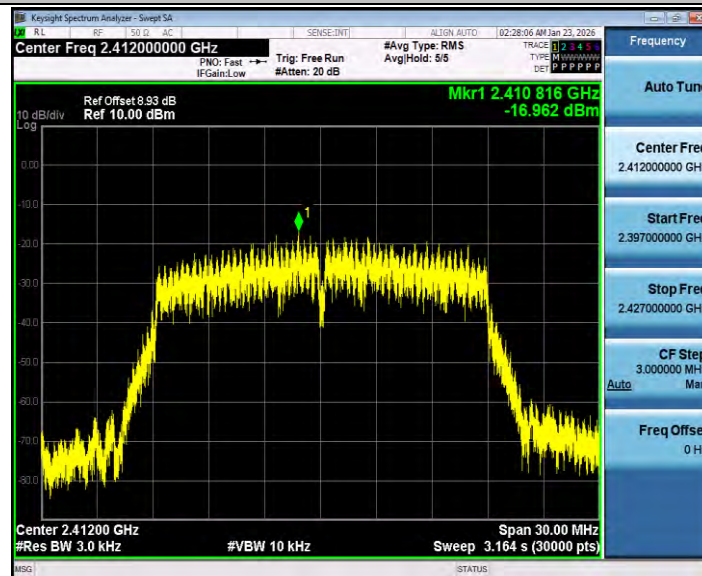
11G_Ant1_2437



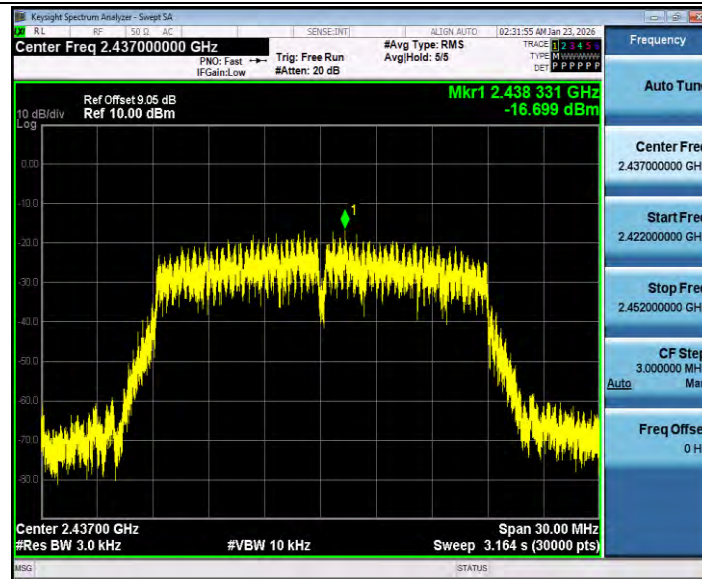
11G_Ant1_2462



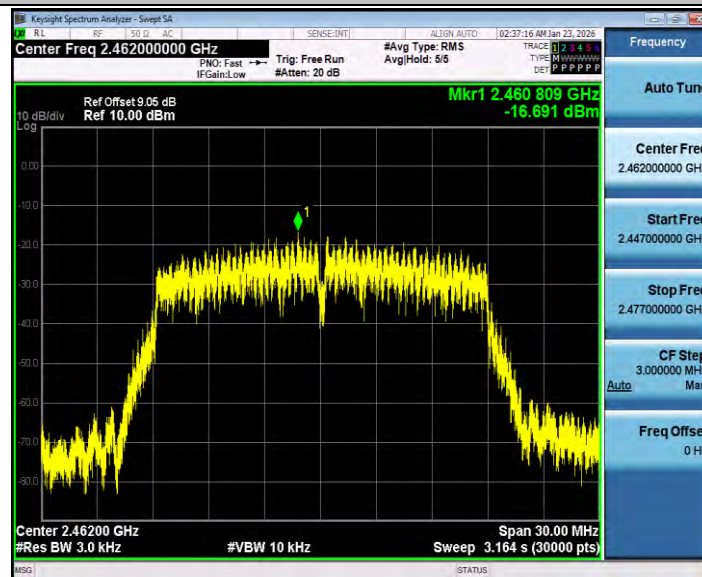
11N20SISO_Ant1_2412



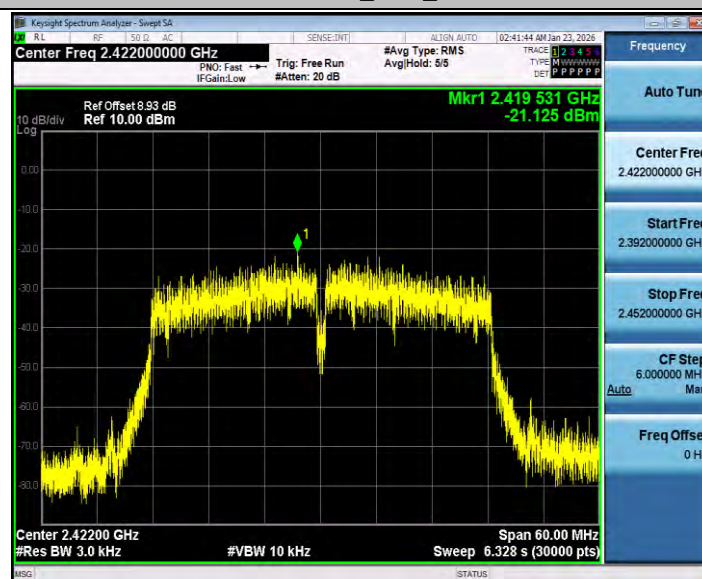
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

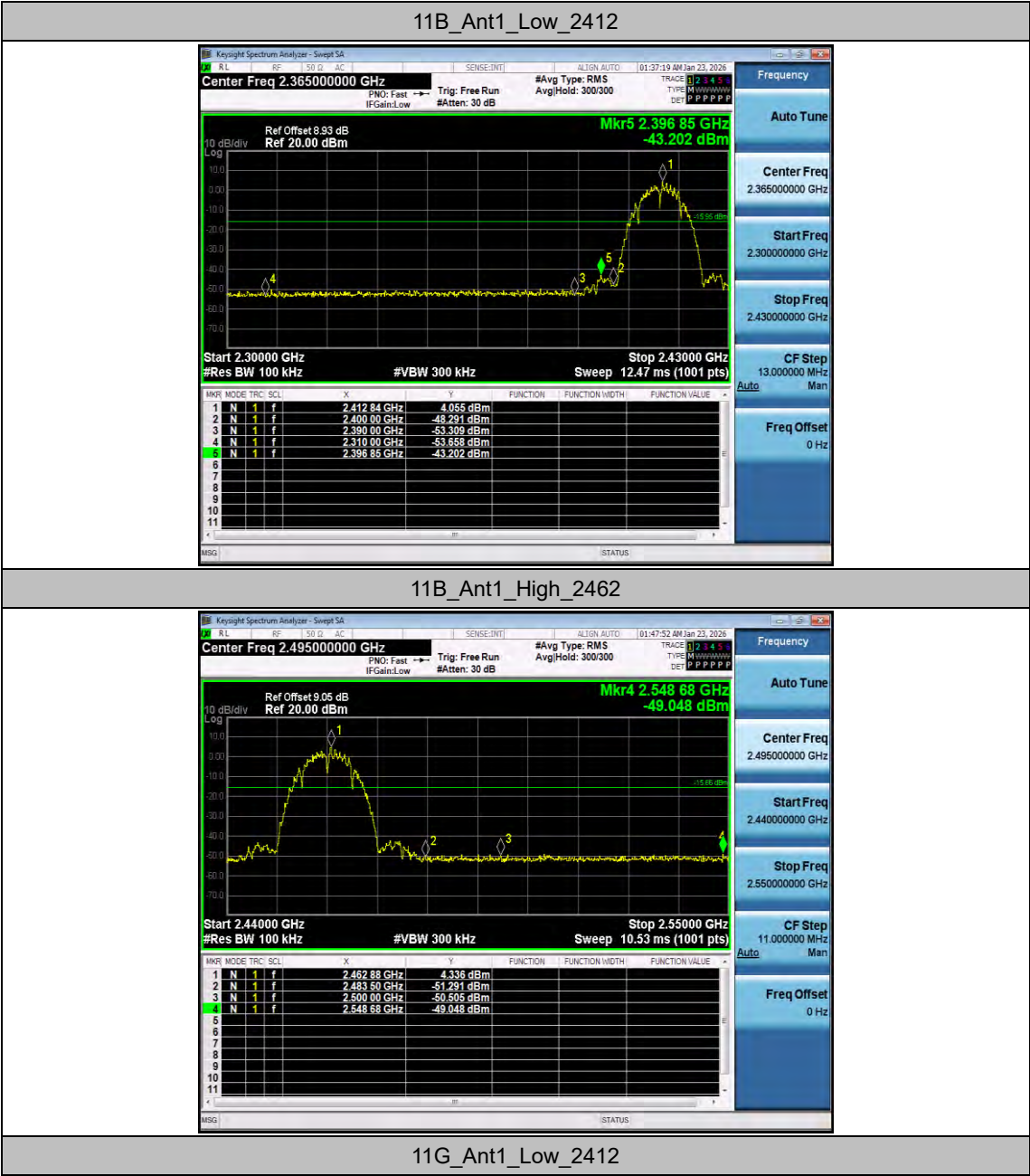


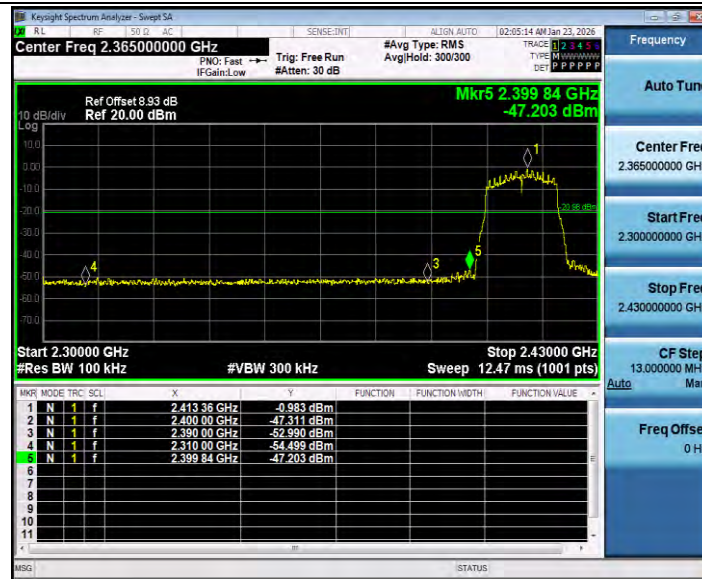
Appendix A.5: Band edge measurements

Test Result

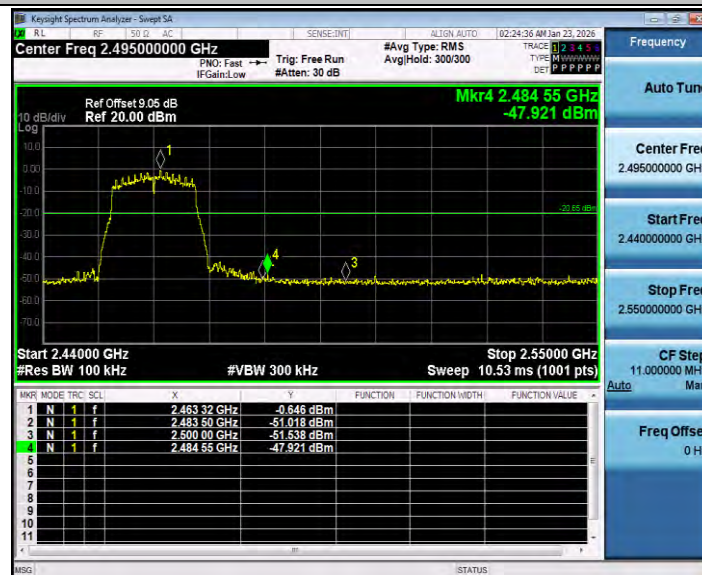
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.06	-43.2	≤ -15.95	PASS
		High	2462	4.34	-49.05	≤ -15.66	PASS
11G	Ant1	Low	2412	-0.98	-47.2	≤ -20.98	PASS
		High	2462	-0.65	-47.92	≤ -20.65	PASS
11N20SISO	Ant1	Low	2412	-1.03	-46.62	≤ -21.03	PASS
		High	2462	-0.82	-48.35	≤ -20.82	PASS
11N40SISO	Ant1	Low	2422	-4.42	-42.36	≤ -24.42	PASS
		High	2452	-4.10	-44.32	≤ -24.1	PASS

Test Graphs

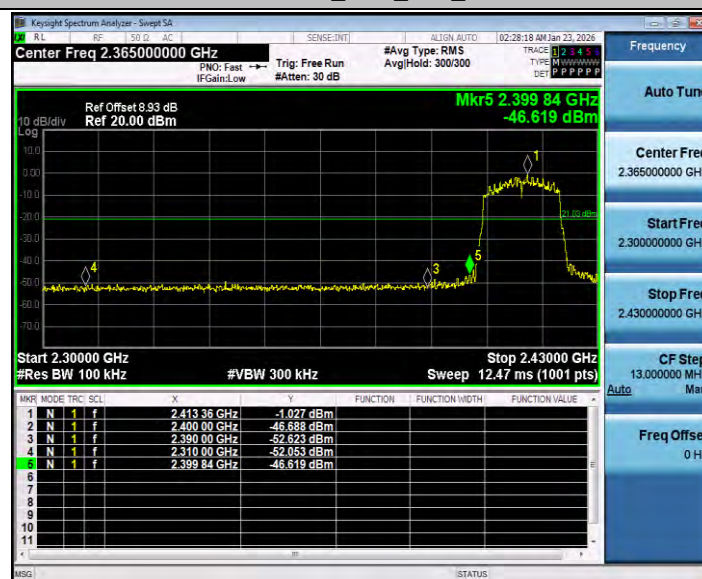




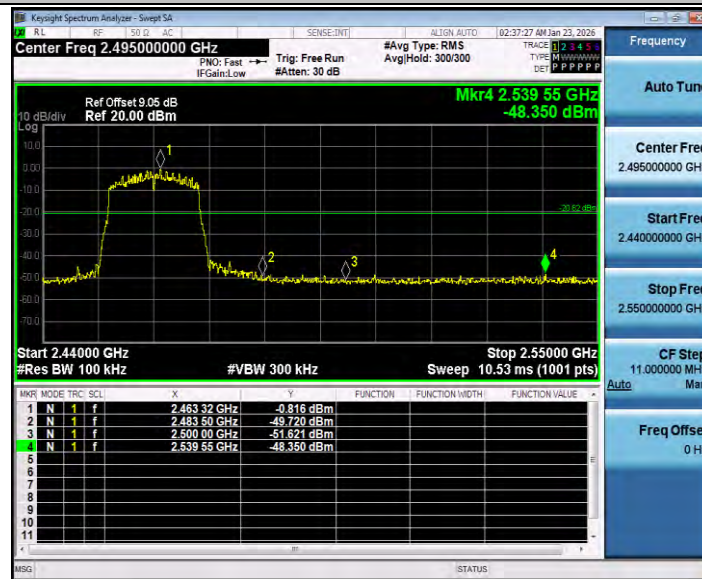
11G_Ant1_High_2462



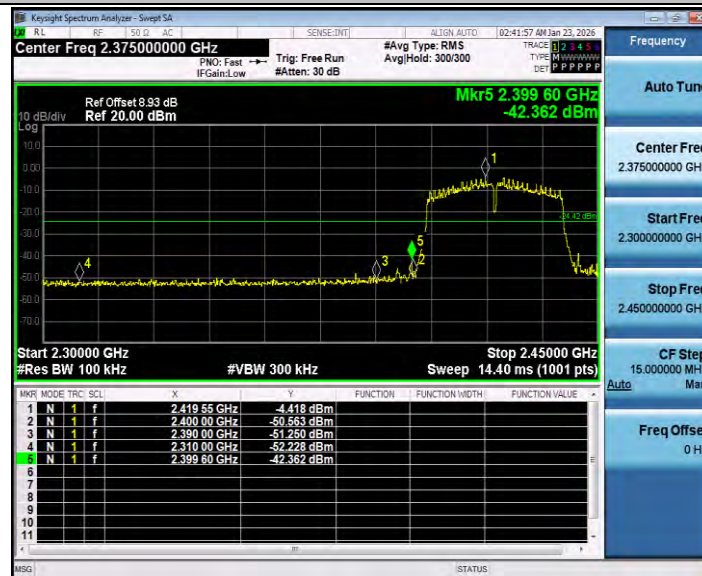
11N20SISO_Ant1_Low_2412



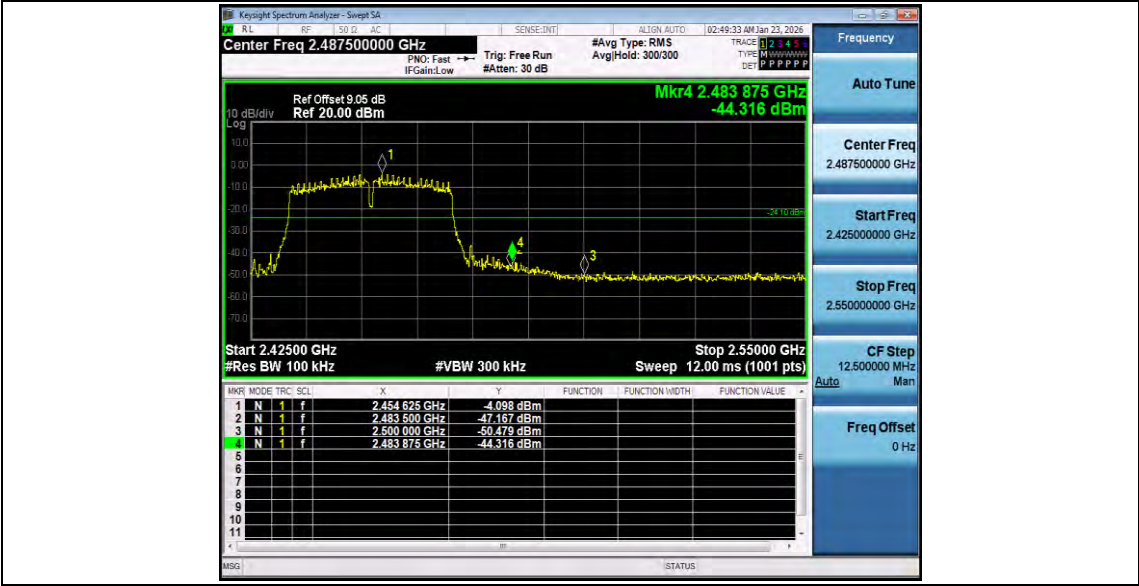
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

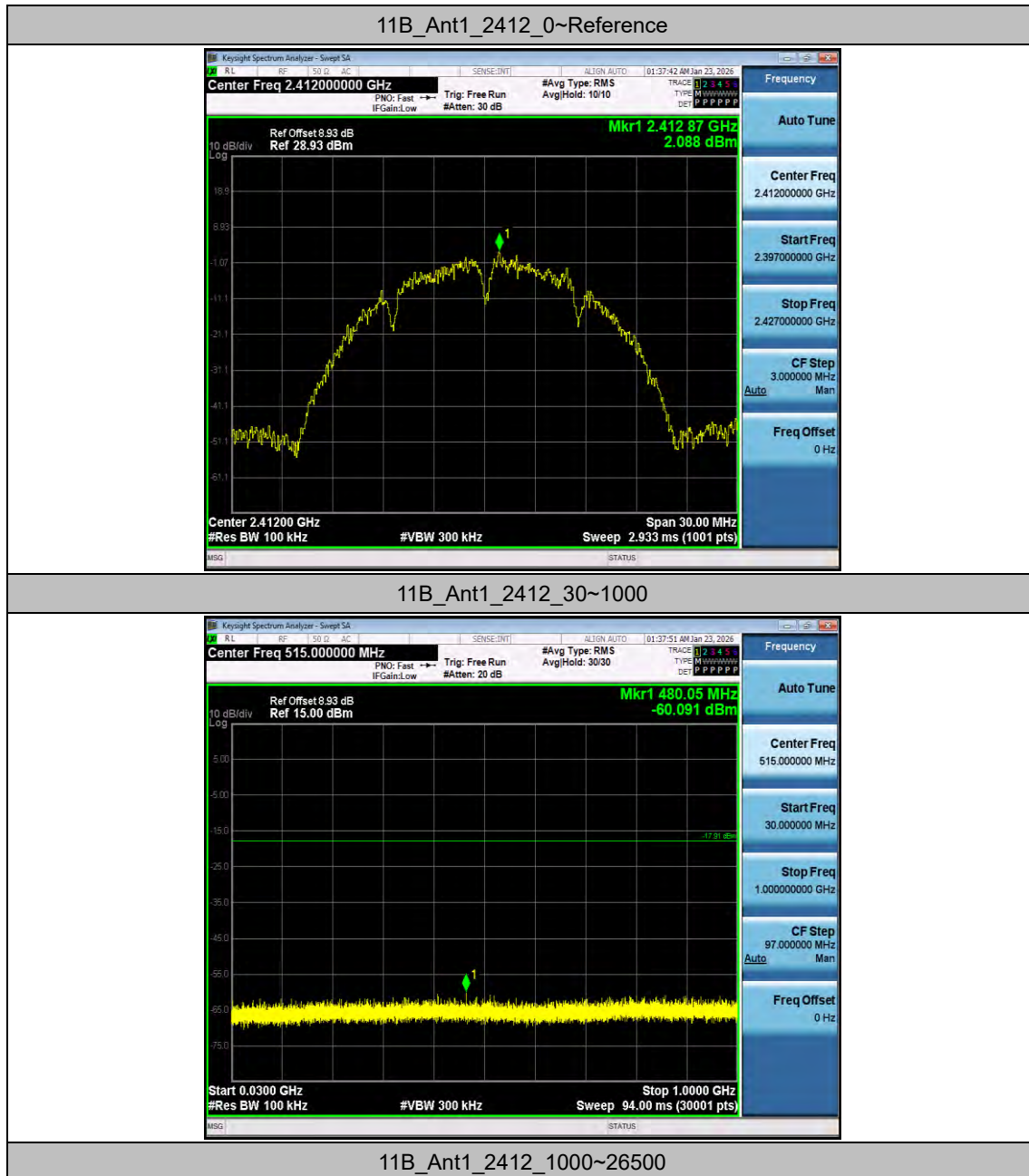


Appendix A.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.09	2.09	---	PASS
			30~1000	2.09	-60.09	≤-17.91	PASS
			1000~26500	2.09	-48.41	≤-17.91	PASS
		2437	Reference	2.22	2.22	---	PASS
			30~1000	2.22	-60.24	≤-17.78	PASS
			1000~26500	2.22	-48.09	≤-17.78	PASS
		2462	Reference	1.10	1.10	---	PASS
			30~1000	1.10	-60.61	≤-18.9	PASS
			1000~26500	1.10	-47.36	≤-18.9	PASS
11G	Ant1	2412	Reference	-1.78	-1.78	---	PASS
			30~1000	-1.78	-60.34	≤-21.78	PASS
			1000~26500	-1.78	-48.03	≤-21.78	PASS
		2437	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-58.92	≤-20.49	PASS
			1000~26500	-0.49	-47.7	≤-20.49	PASS
		2462	Reference	-1.36	-1.36	---	PASS
			30~1000	-1.36	-59.92	≤-21.36	PASS
			1000~26500	-1.36	-47.57	≤-21.36	PASS
11N20SISO	Ant1	2412	Reference	-1.41	-1.41	---	PASS
			30~1000	-1.41	-59.47	≤-21.41	PASS
			1000~26500	-1.41	-47.7	≤-21.41	PASS
		2437	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-58.66	≤-20.48	PASS
			1000~26500	-0.48	-47.93	≤-20.48	PASS
		2462	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-60.53	≤-21.32	PASS
			1000~26500	-1.32	-47.81	≤-21.32	PASS
11N40SISO	Ant1	2422	Reference	-5.15	-5.15	---	PASS
			30~1000	-5.15	-60.19	≤-25.15	PASS
			1000~26500	-5.15	-47.98	≤-25.15	PASS
		2437	Reference	-4.56	-4.56	---	PASS
			30~1000	-4.56	-60.04	≤-24.56	PASS
			1000~26500	-4.56	-46.69	≤-24.56	PASS
		2452	Reference	-4.71	-4.71	---	PASS
			30~1000	-4.71	-58.17	≤-24.71	PASS
			1000~26500	-4.71	-48.02	≤-24.71	PASS

Test Graphs

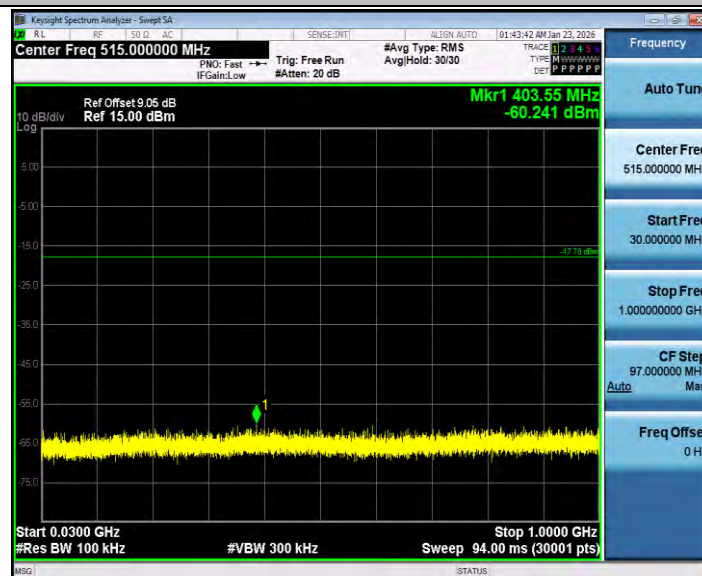




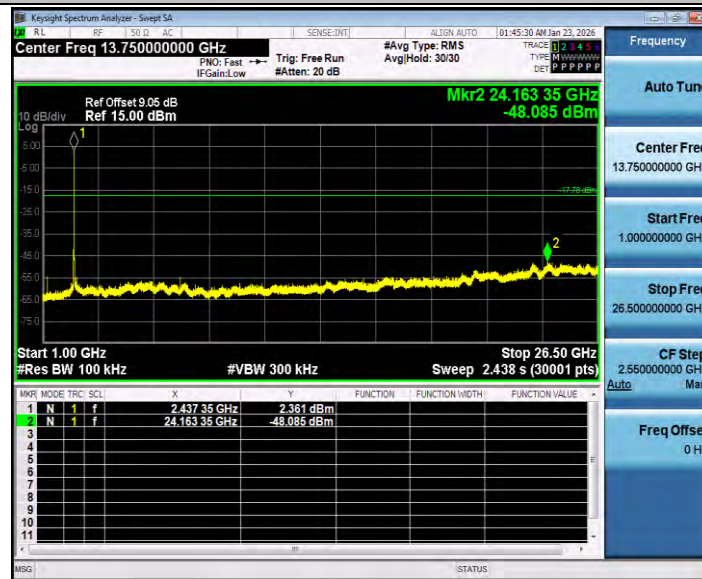
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



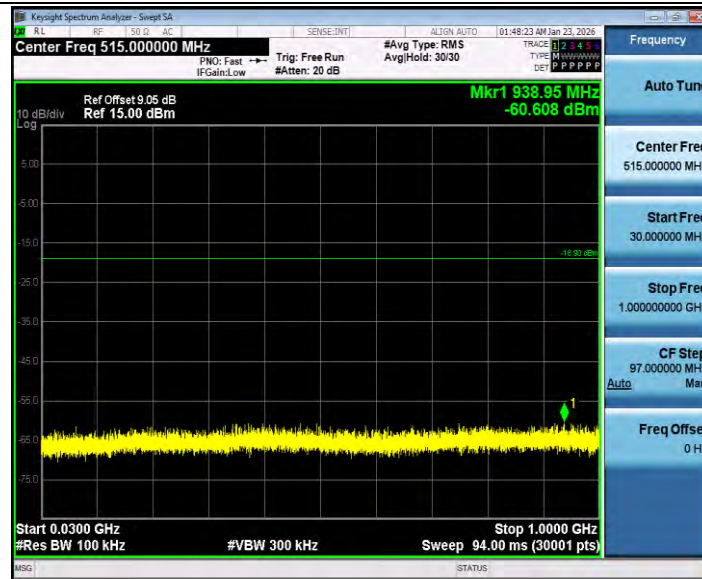
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



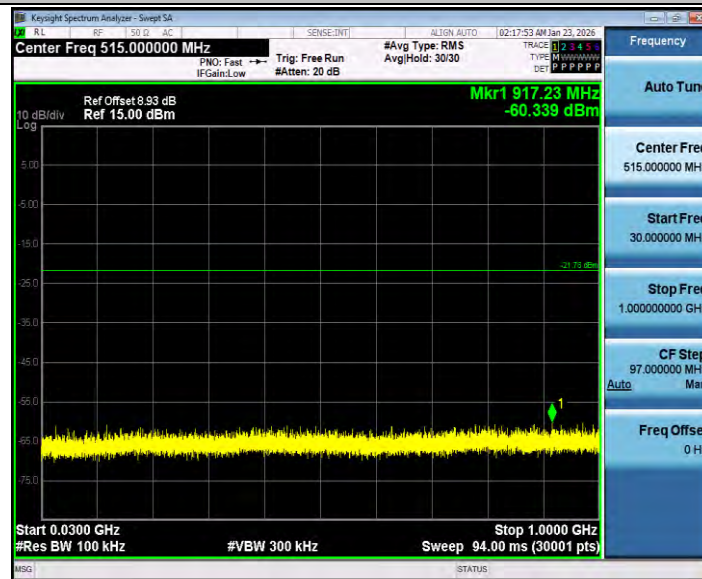
11B_Ant1_2462_1000~26500



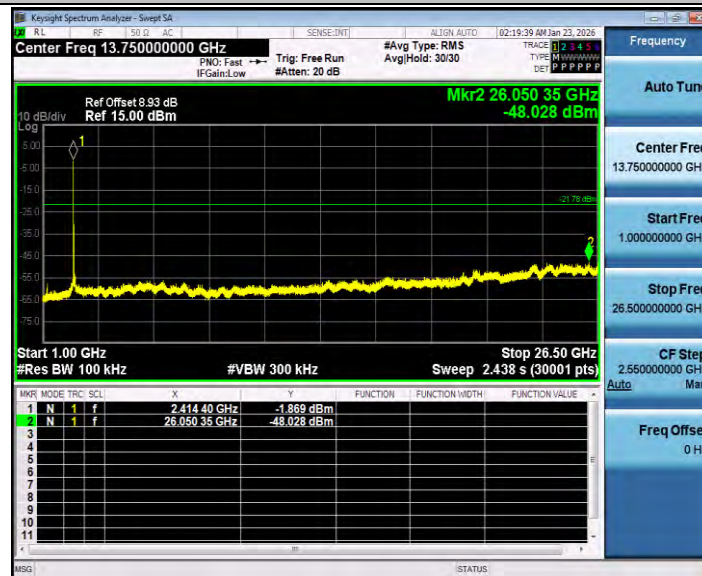
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



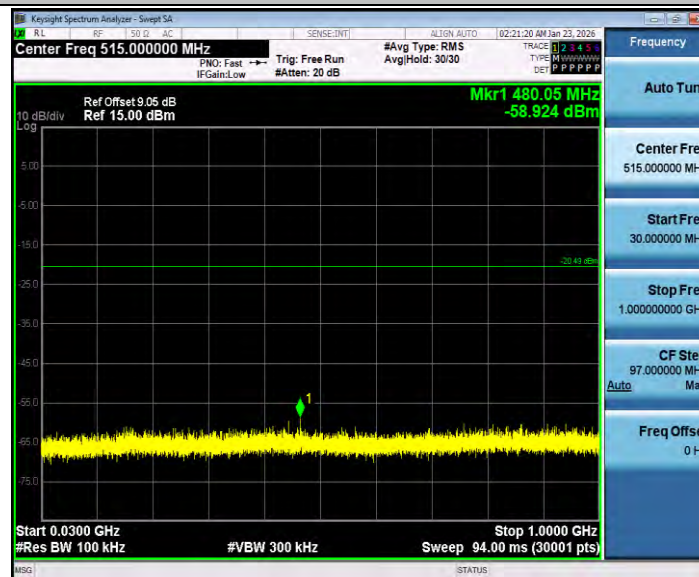
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



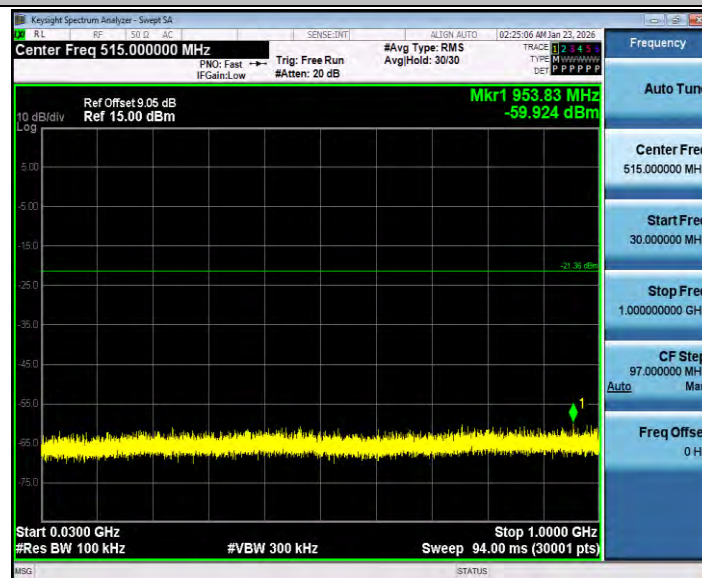
11G_Ant1_2437_1000~26500



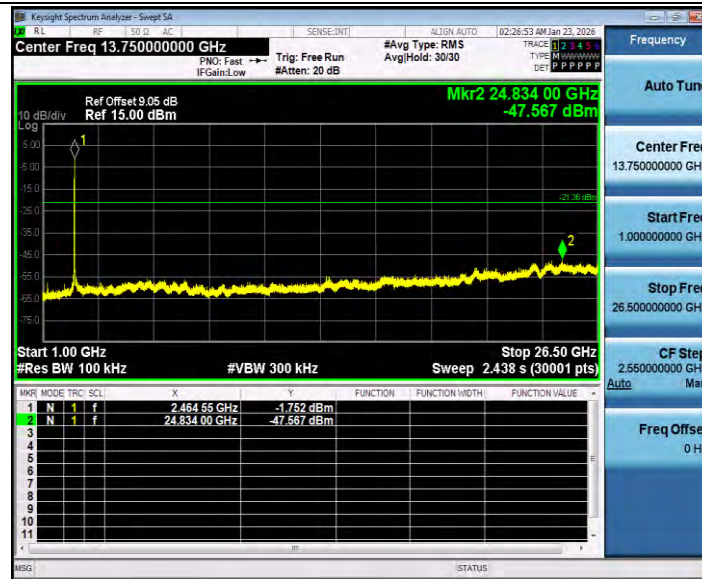
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



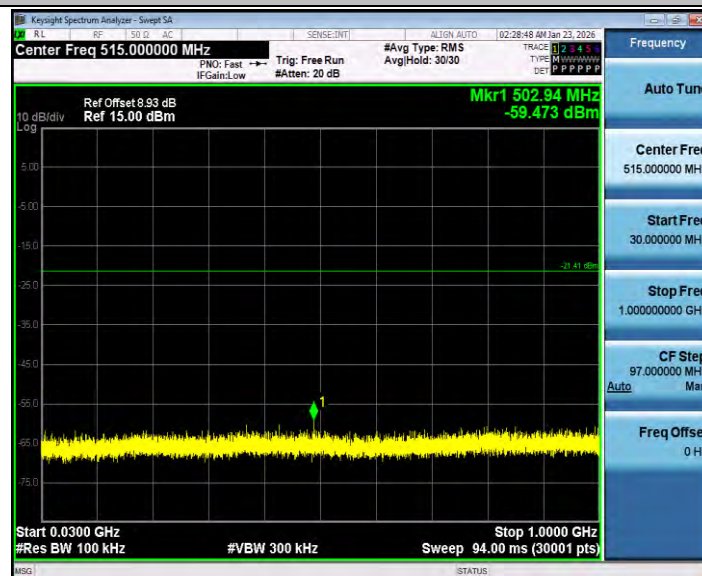
11G_Ant1_2462_1000~26500



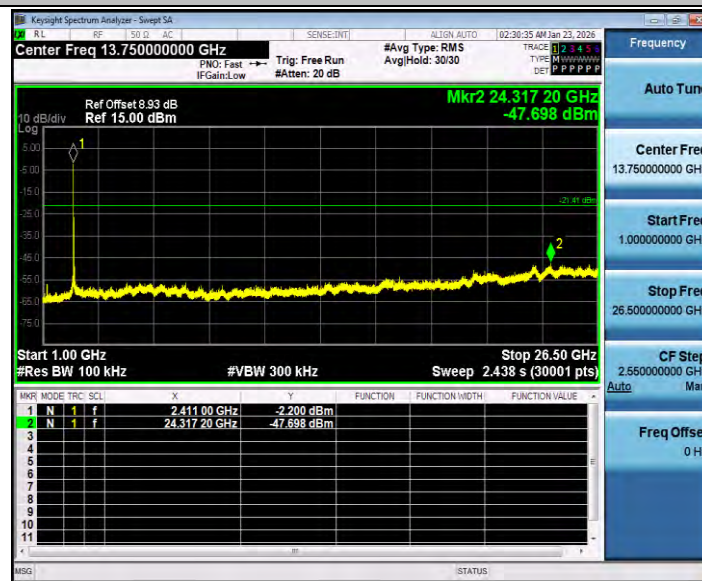
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



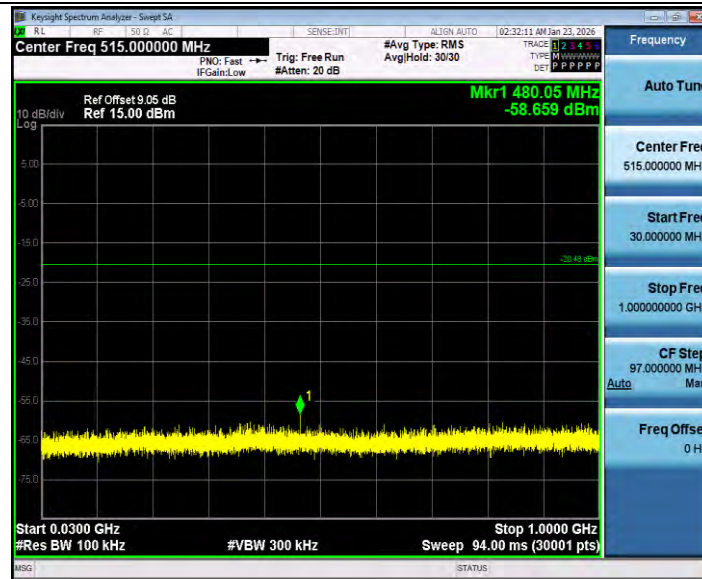
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



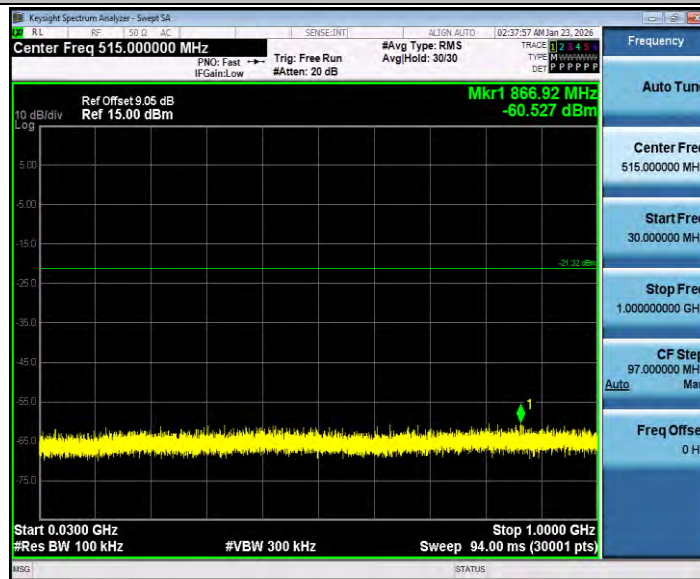
11N20SISO_Ant1_2437_1000~26500



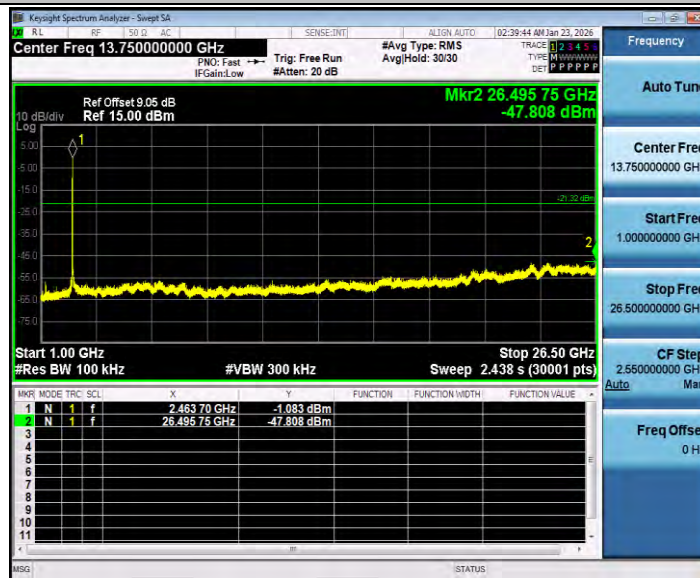
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



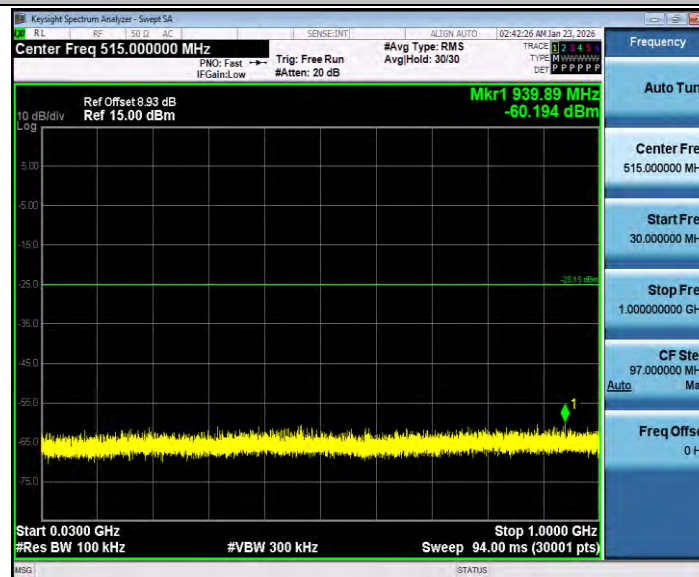
11N20SISO_Ant1_2462_1000~26500



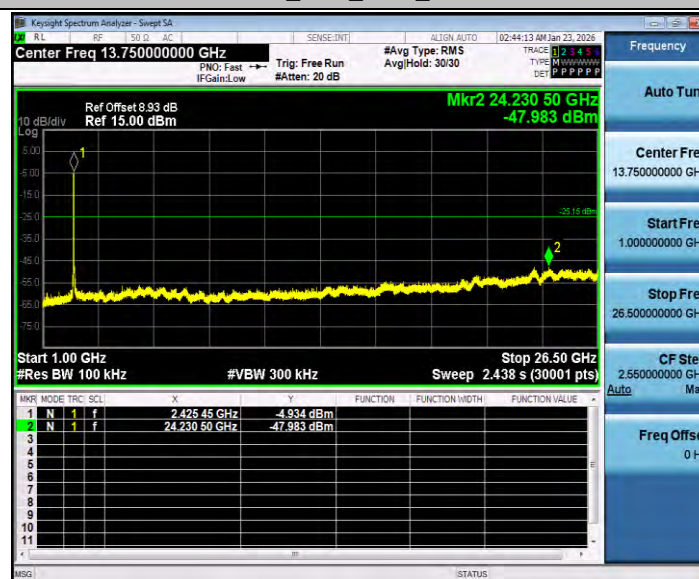
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



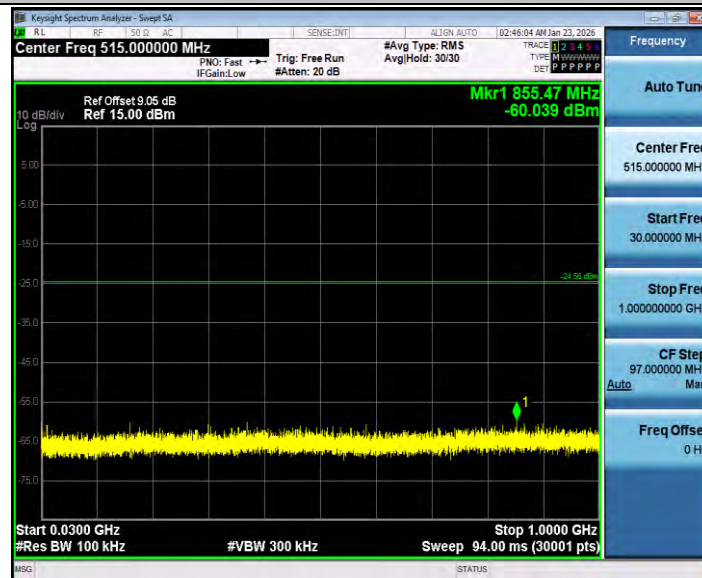
11N40SISO_Ant1_2422_1000~26500



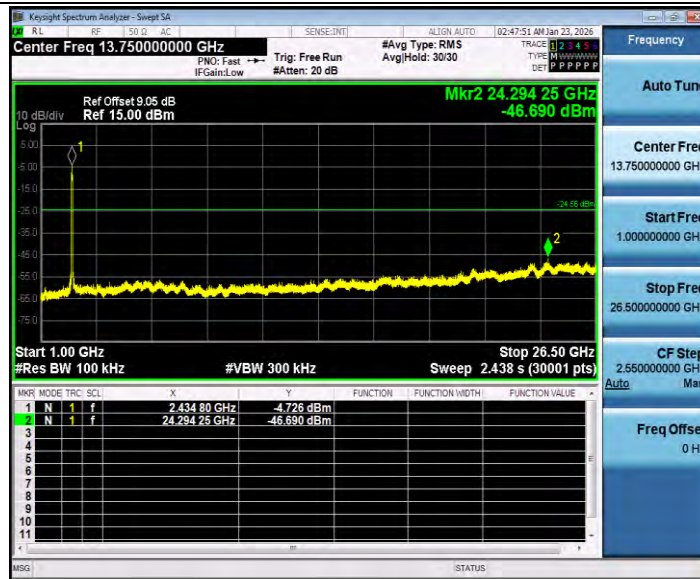
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



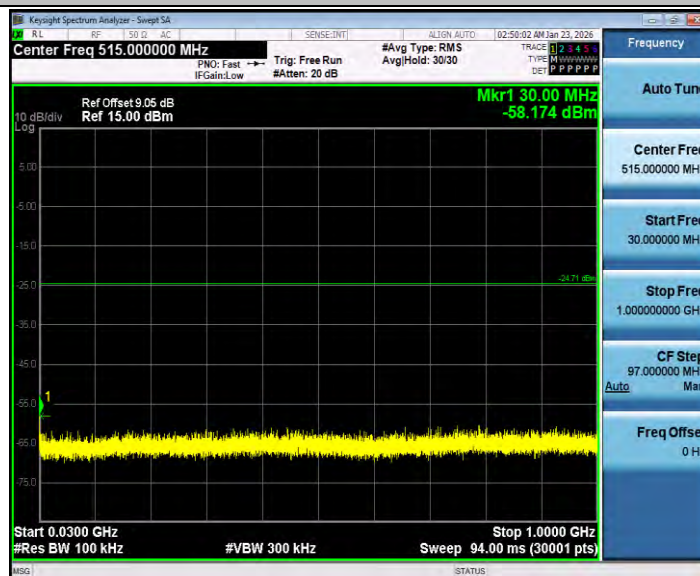
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



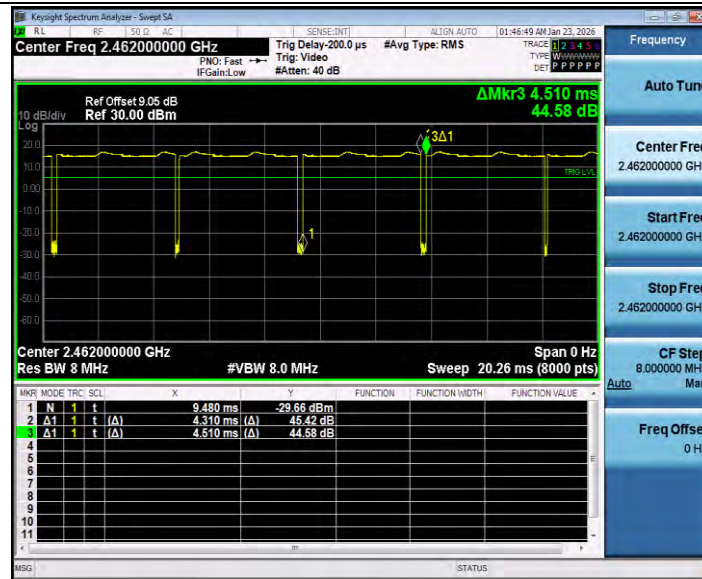
11N40SISO_Ant1_2452_30~1000



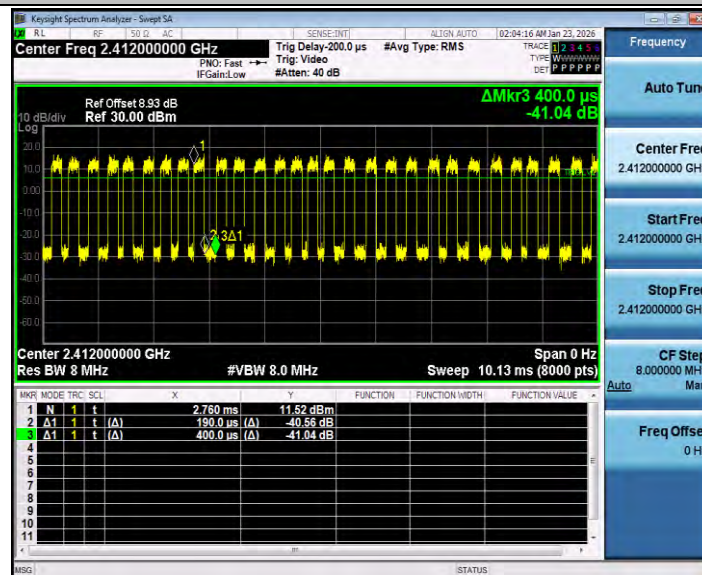
AppendixA.7: Duty Cycle

Test Result

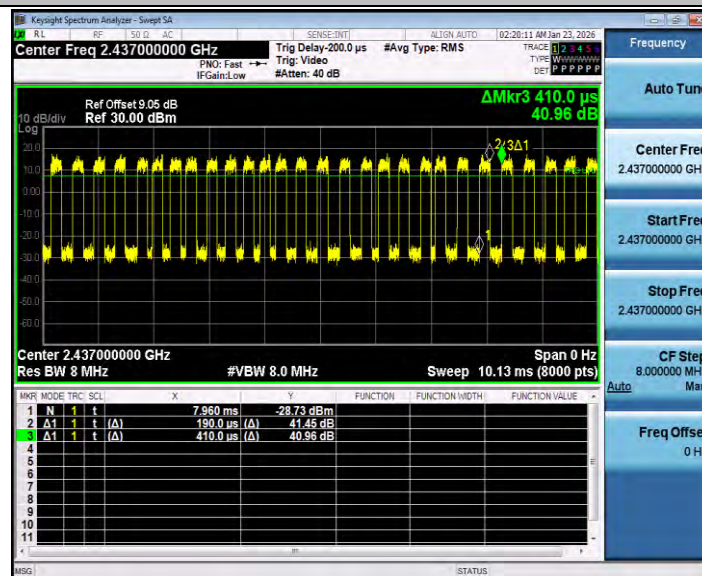
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor [KHz]
11B	Ant1	2412	4.31	4.50	95.78	0.19	0.23
		2437	4.31	4.43	97.29	0.12	0.23
		2462	4.31	4.51	95.57	0.20	0.23
11G	Ant1	2412	0.19	0.40	47.50	3.23	5.26
		2437	0.19	0.41	46.34	3.34	5.26
		2462	0.19	0.41	46.34	3.34	5.26
11N20SISO	Ant1	2412	0.16	0.38	42.11	3.76	6.25
		2437	0.16	0.38	42.11	3.76	6.25
		2462	0.16	0.38	42.11	3.76	6.25
11N40SISO	Ant1	2422	0.10	0.31	32.26	4.91	10.00
		2437	0.10	0.30	33.33	4.77	10.00
		2452	0.10	0.31	32.26	4.91	10.00



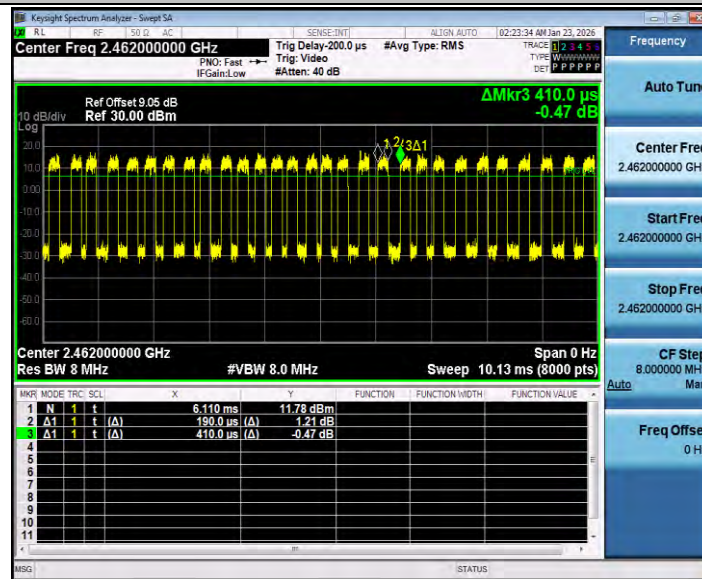
11G_Ant1_2412



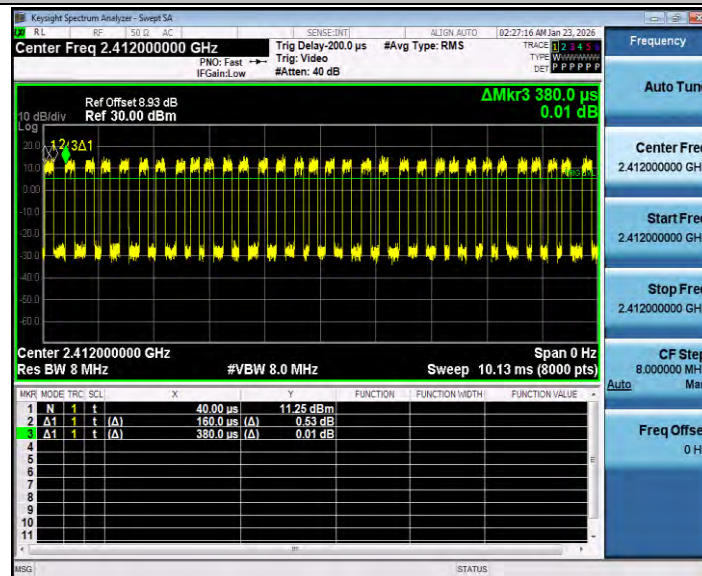
11G_Ant1_2437



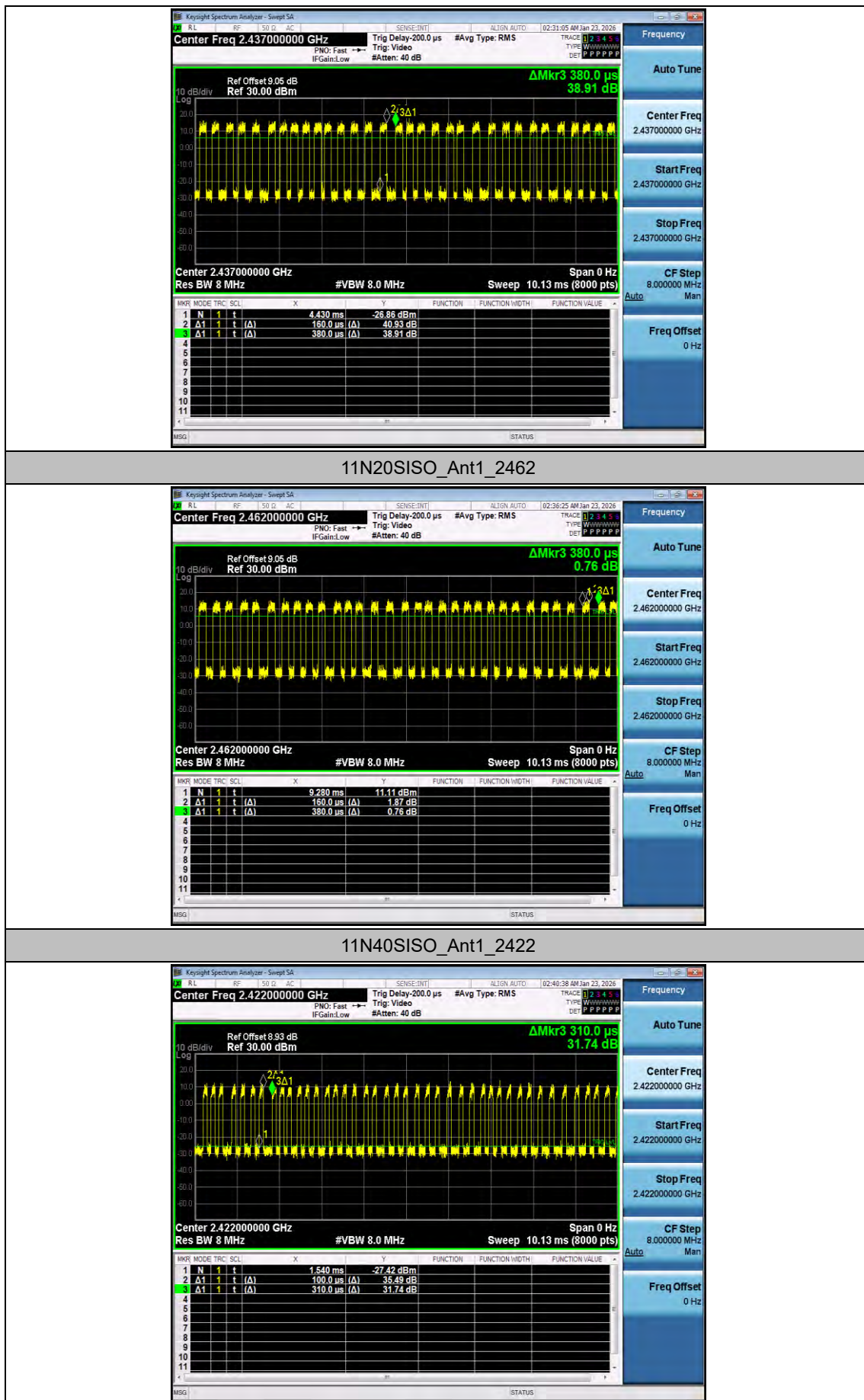
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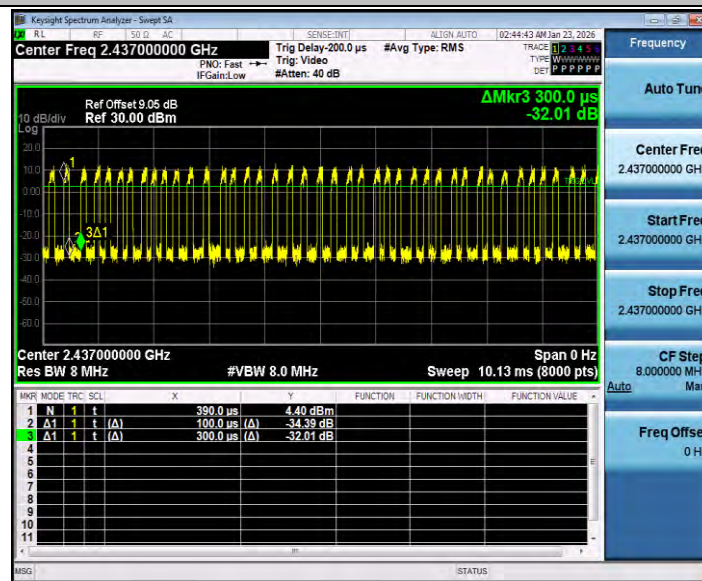
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

