

Case No. : <u>GTS20260617003-1-03</u>
Ambient Condition: <u>23</u> °C, <u>52</u> %RH,
Test Date: <u>2026.6.22-2026.7.20</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	10.320	2406.840	2417.160	0.5	PASS
		2437	10.320	2431.840	2442.160	0.5	PASS
		2462	10.320	2456.840	2467.160	0.5	PASS
11G	Ant2	2412	16.360	2403.880	2420.240	0.5	PASS
		2437	16.480	2428.760	2445.240	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant2	2412	17.520	2403.240	2420.760	0.5	PASS
		2437	17.480	2428.200	2445.680	0.5	PASS
		2462	17.520	2453.200	2470.720	0.5	PASS
11N40SISO	Ant2	2422	36.240	2403.920	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.240	2433.920	2470.160	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

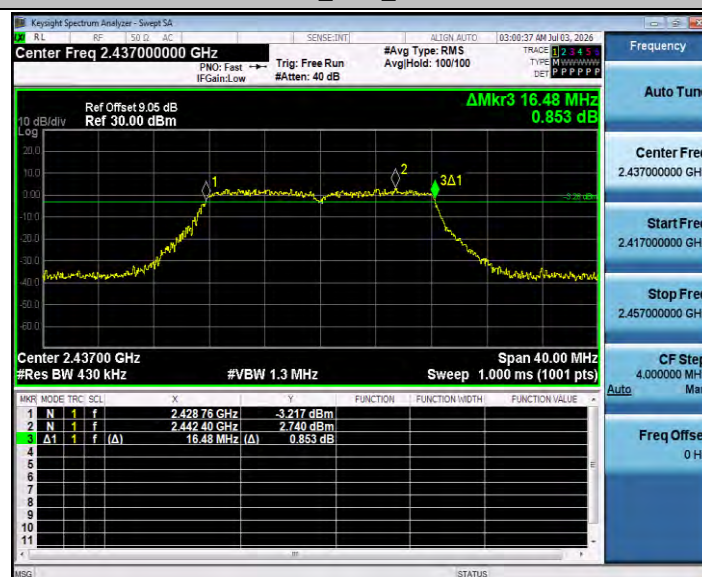
11B_Ant2_2462



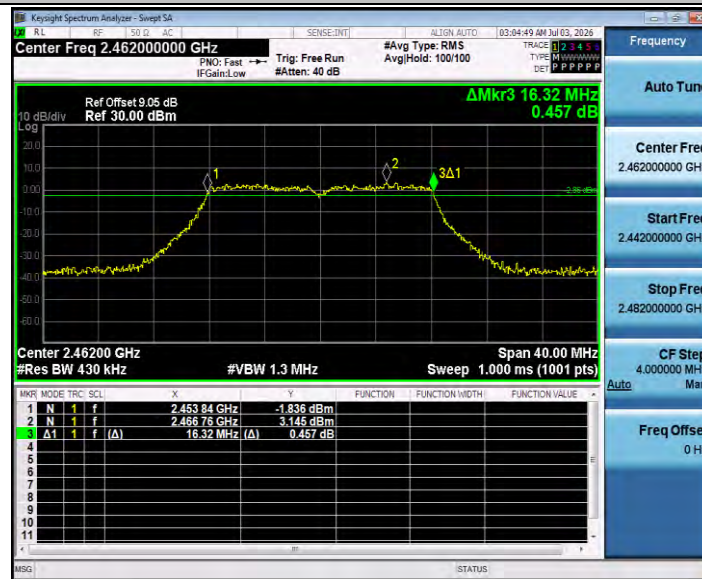
11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



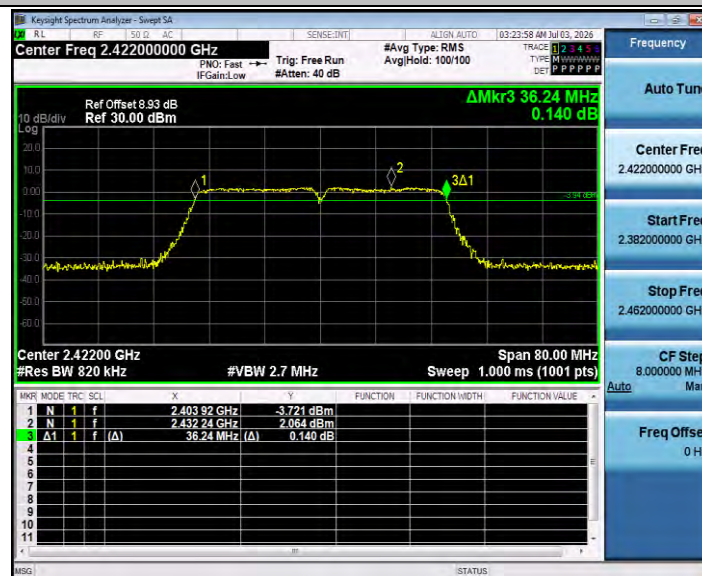
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



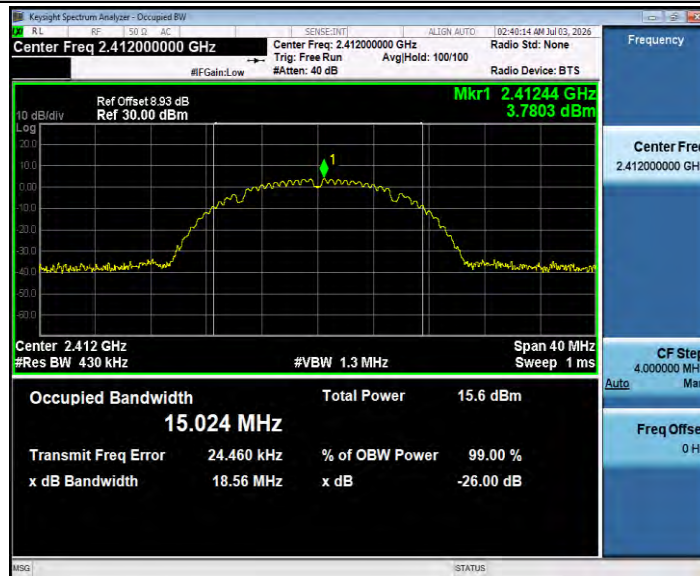
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	15.024	2404.5125	2419.5365	---	---
		2437	15.080	2429.4393	2444.5193	---	---
		2462	15.020	2454.4869	2469.5069	---	---
11G	Ant2	2412	16.964	2403.4607	2420.4247	---	---
		2437	16.932	2428.4603	2445.3923	---	---
		2462	16.830	2453.5377	2470.3677	---	---
11N20SISO	Ant2	2412	17.857	2403.0816	2420.9386	---	---
		2437	17.942	2427.9783	2445.9203	---	---
		2462	17.856	2453.0525	2470.9085	---	---
11N40SISO	Ant2	2422	36.299	2403.8623	2440.1613	---	---
		2437	36.387	2418.7681	2455.1551	---	---
		2452	36.457	2433.7549	2470.2119	---	---

Test Graphs

11B_Ant2_2412



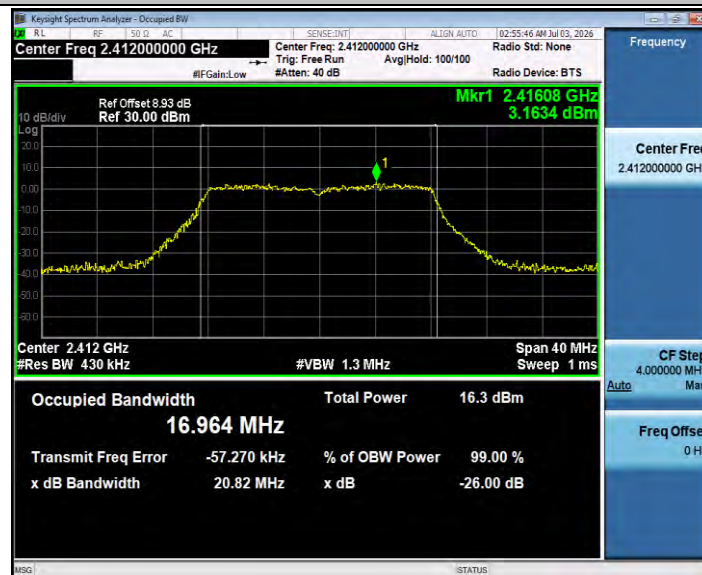
11B_Ant2_2437



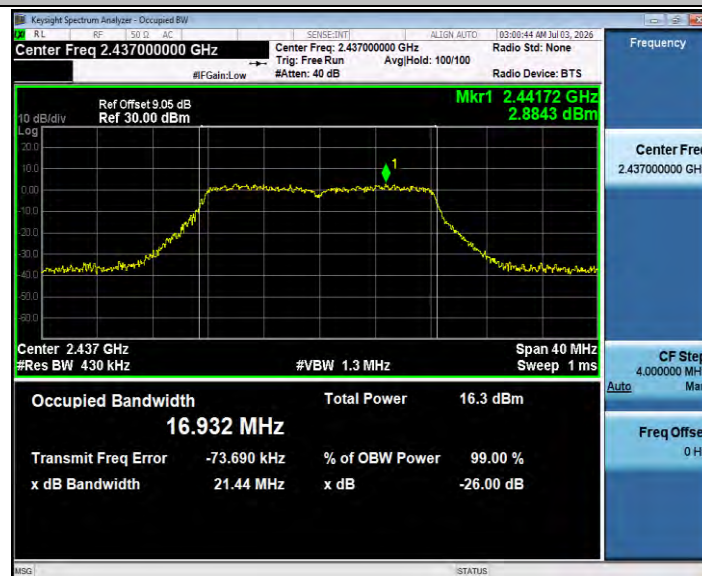
11B_Ant2_2462



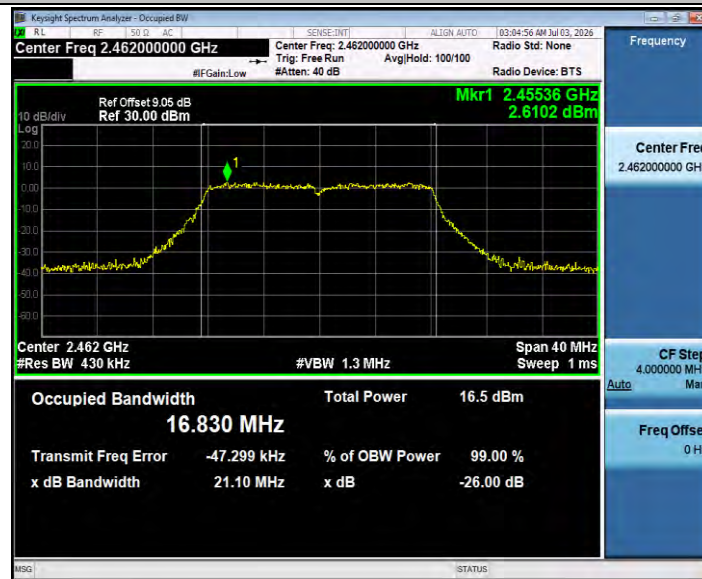
11G_Ant2_2412



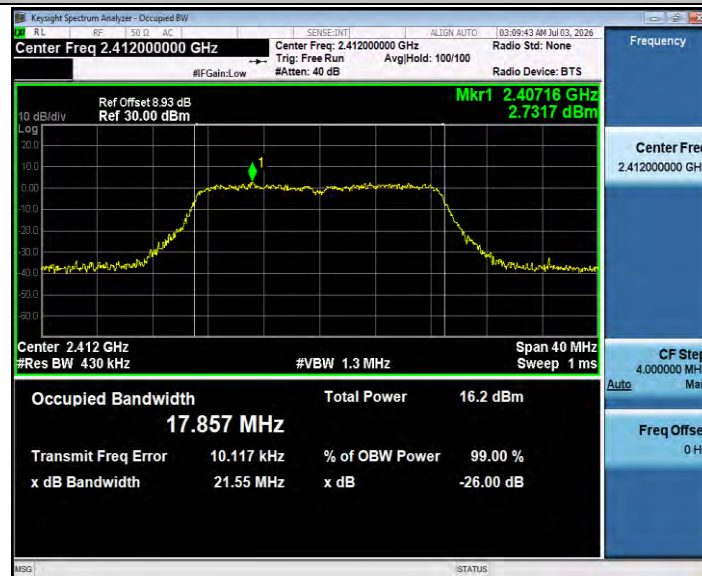
11G_Ant2_2437



11G_Ant2_2462



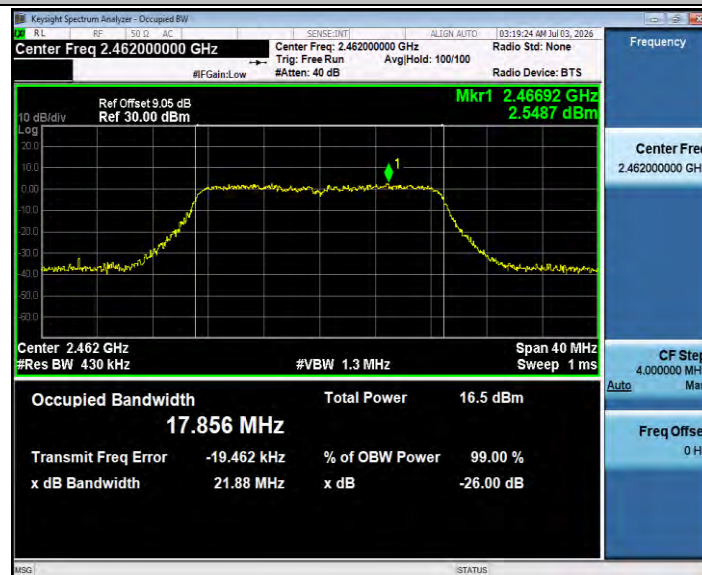
11N20SISO_Ant2_2412



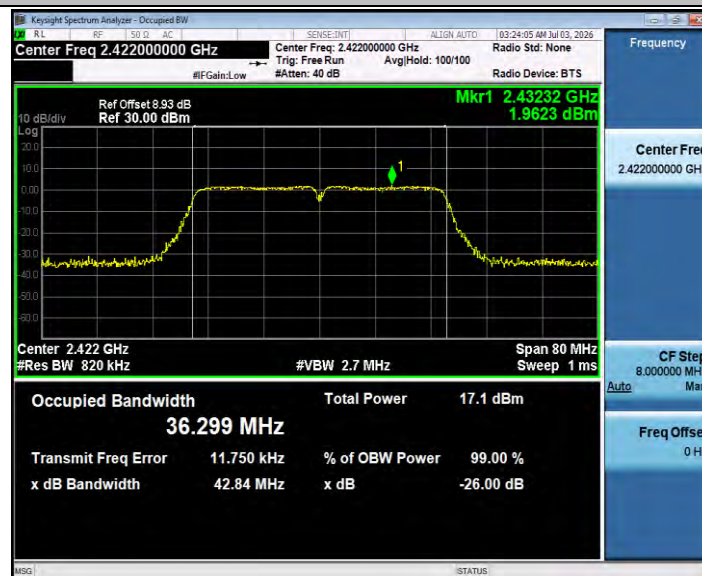
11N20SISO_Ant2_2437



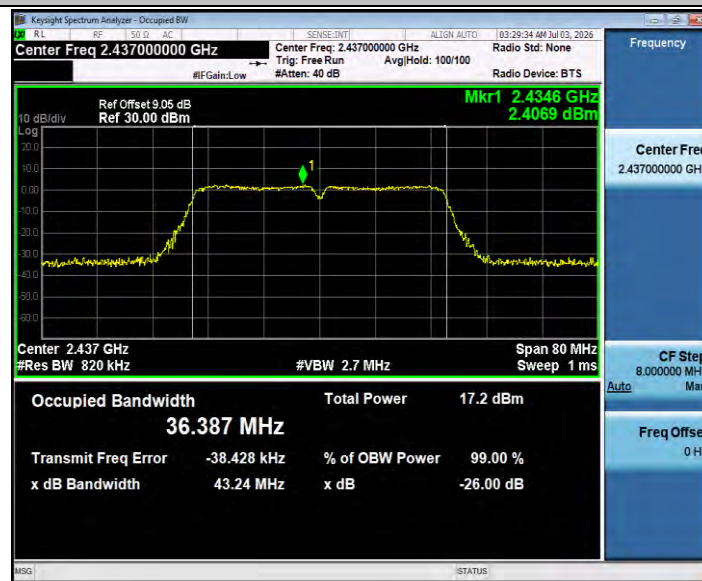
11N20SISO_Ant2_2462



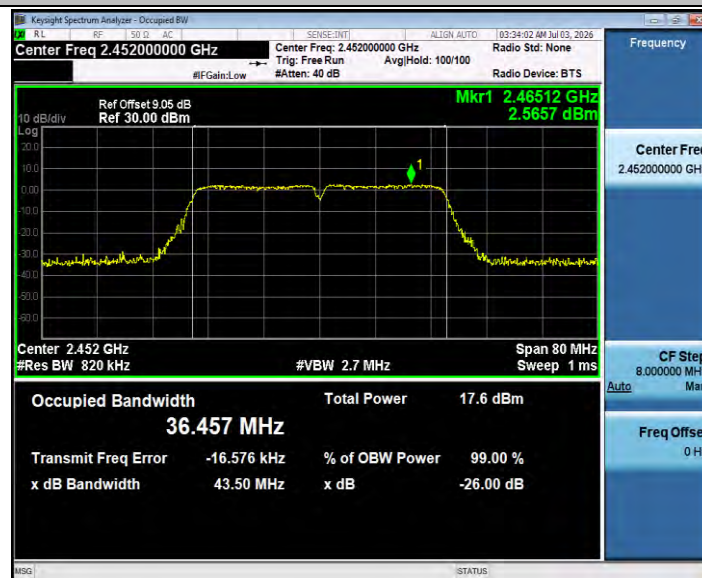
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix C.3: Maximum conducted output power

Test Result

DC 11.4V by battery

Test Mode	Antenna	Frequency [MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	15.70	≤30.00	PASS
		2437	15.64	≤30.00	PASS
		2462	16.73	≤30.00	PASS
11G	Ant2	2412	17.33	≤30.00	PASS
		2437	17.41	≤30.00	PASS
		2462	17.61	≤30.00	PASS
11N20SISO	Ant2	2412	17.55	≤30.00	PASS
		2437	17.62	≤30.00	PASS
		2462	17.87	≤30.00	PASS
11N40SISO	Ant2	2422	17.43	≤30.00	PASS
		2437	17.50	≤30.00	PASS
		2452	17.96	≤30.00	PASS

DC 7.6V by battery

Test Mode	Antenna	Frequency [MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	15.43	≤30.00	PASS
		2437	15.19	≤30.00	PASS
		2462	16.35	≤30.00	PASS
11G	Ant2	2412	17.08	≤30.00	PASS
		2437	17.12	≤30.00	PASS
		2462	17.23	≤30.00	PASS
11N20SISO	Ant2	2412	17.19	≤30.00	PASS
		2437	17.27	≤30.00	PASS
		2462	17.39	≤30.00	PASS
11N40SISO	Ant2	2422	17.11	≤30.00	PASS
		2437	17.16	≤30.00	PASS
		2452	17.41	≤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	-17.25	≤8.00	PASS
		2437	-17.49	≤8.00	PASS
		2462	-16.29	≤8.00	PASS
11G	Ant2	2412	-17.74	≤8.00	PASS
		2437	-18.32	≤8.00	PASS
		2462	-18.18	≤8.00	PASS
11N20SISO	Ant2	2412	-16.97	≤8.00	PASS
		2437	-18.03	≤8.00	PASS
		2462	-17.26	≤8.00	PASS
11N40SISO	Ant2	2422	-18.74	≤8.00	PASS
		2437	-18.37	≤8.00	PASS
		2452	-18.83	≤8.00	PASS

Test Graphs

11B_Ant2_2412



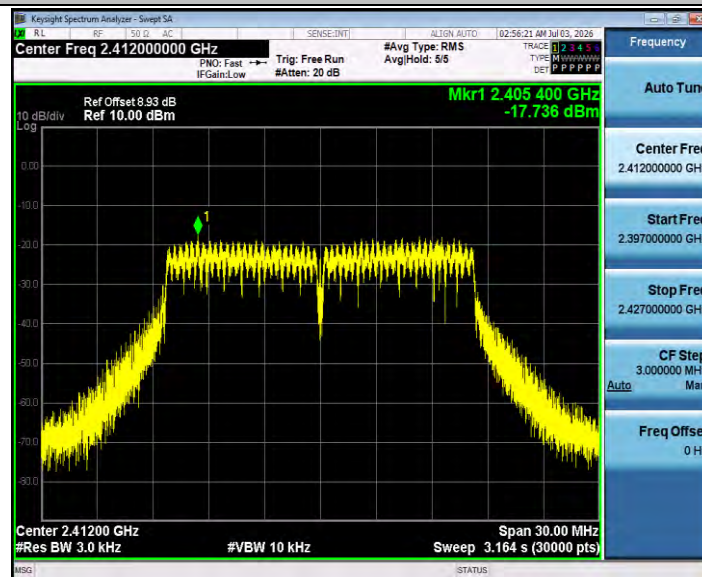
11B_Ant2_2437



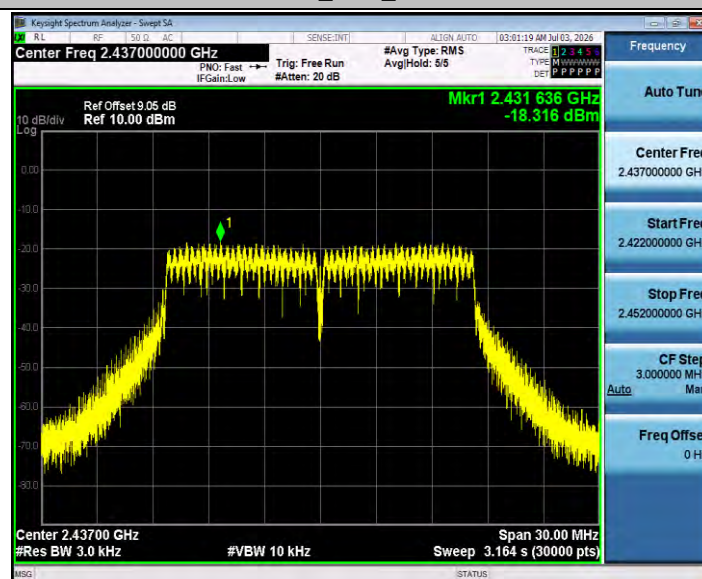
11B_Ant2_2462



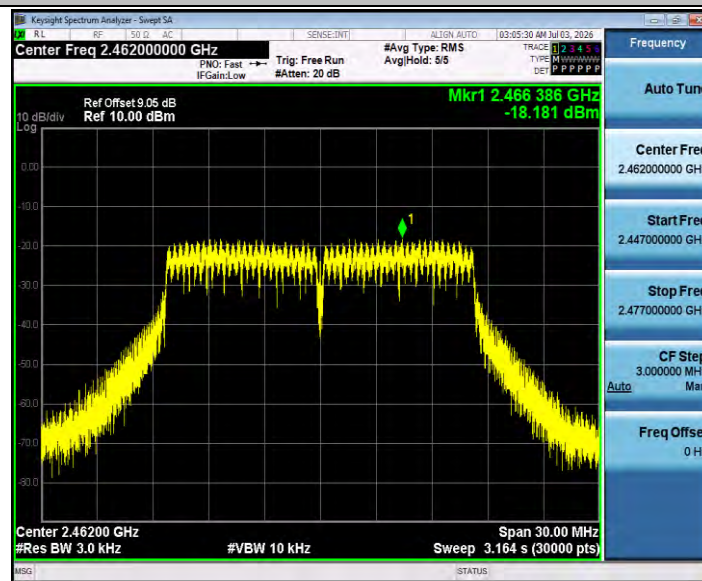
11G_Ant2_2412



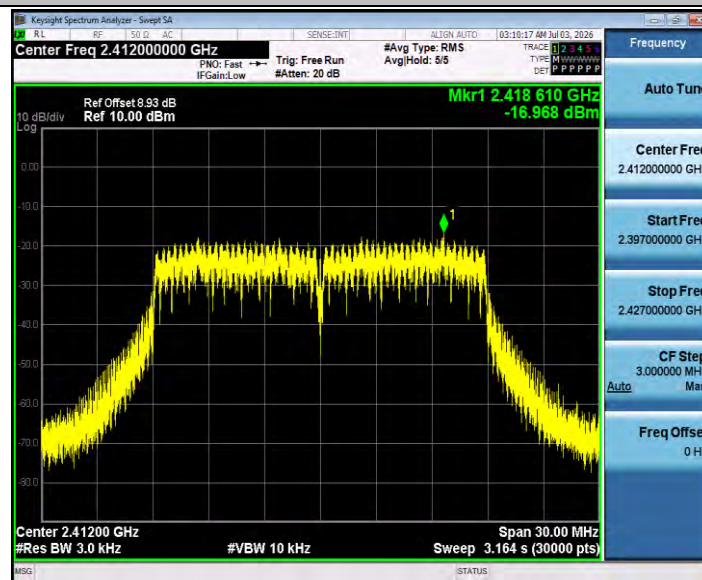
11G_Ant2_2437



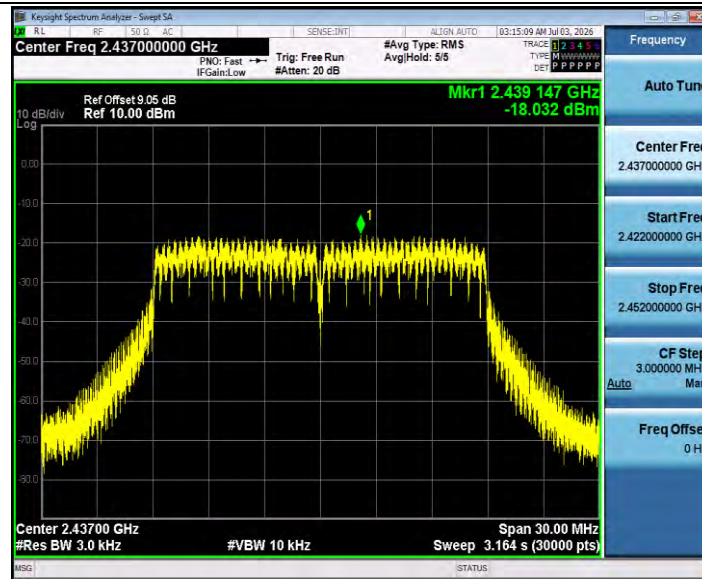
11G_Ant2_2462



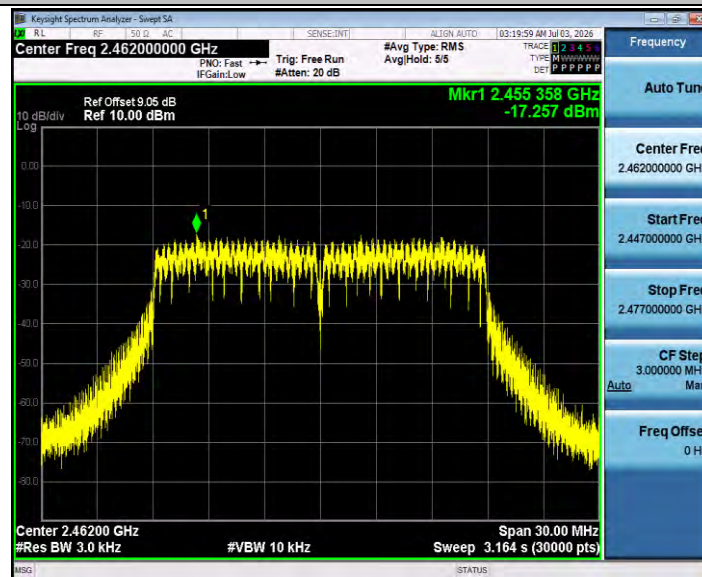
11N20SISO_Ant2_2412



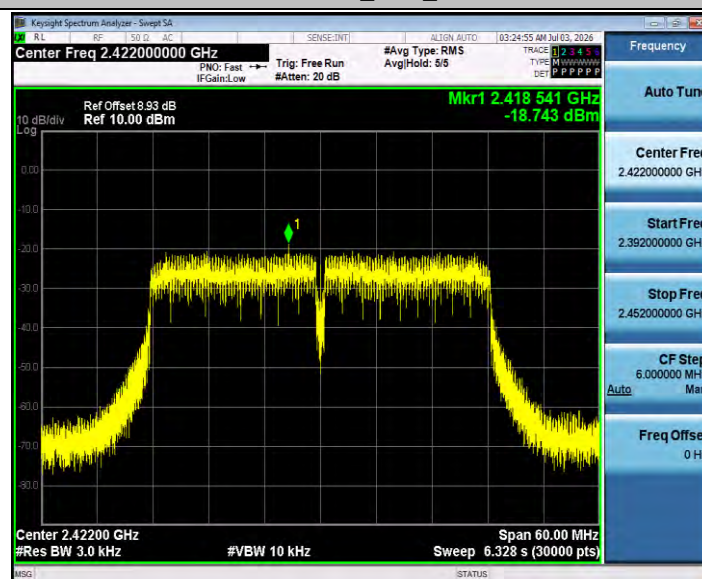
11N20SISO_Ant2_2437



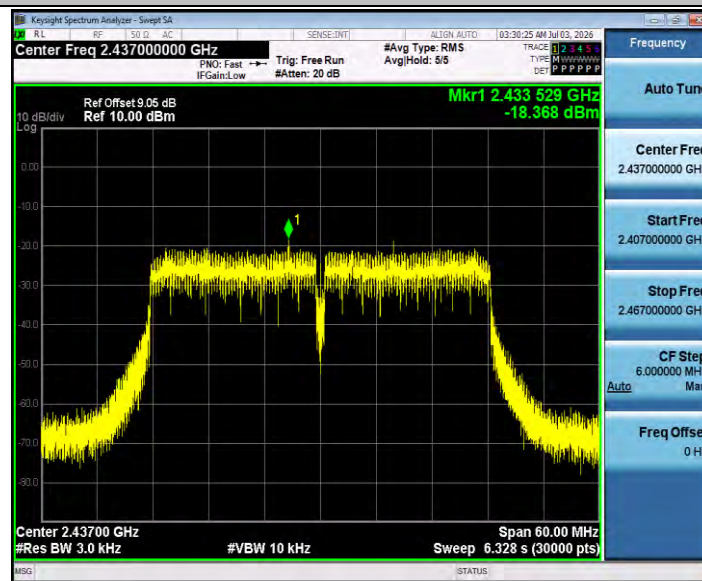
11N20SISO_Ant2_2462



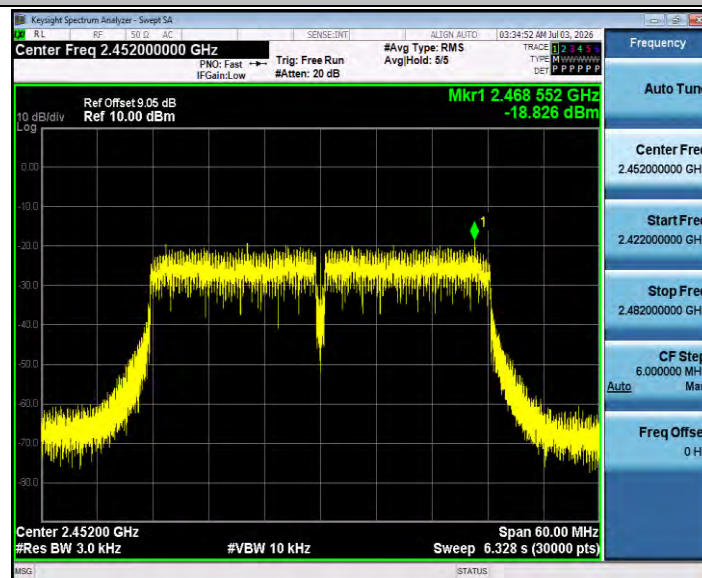
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

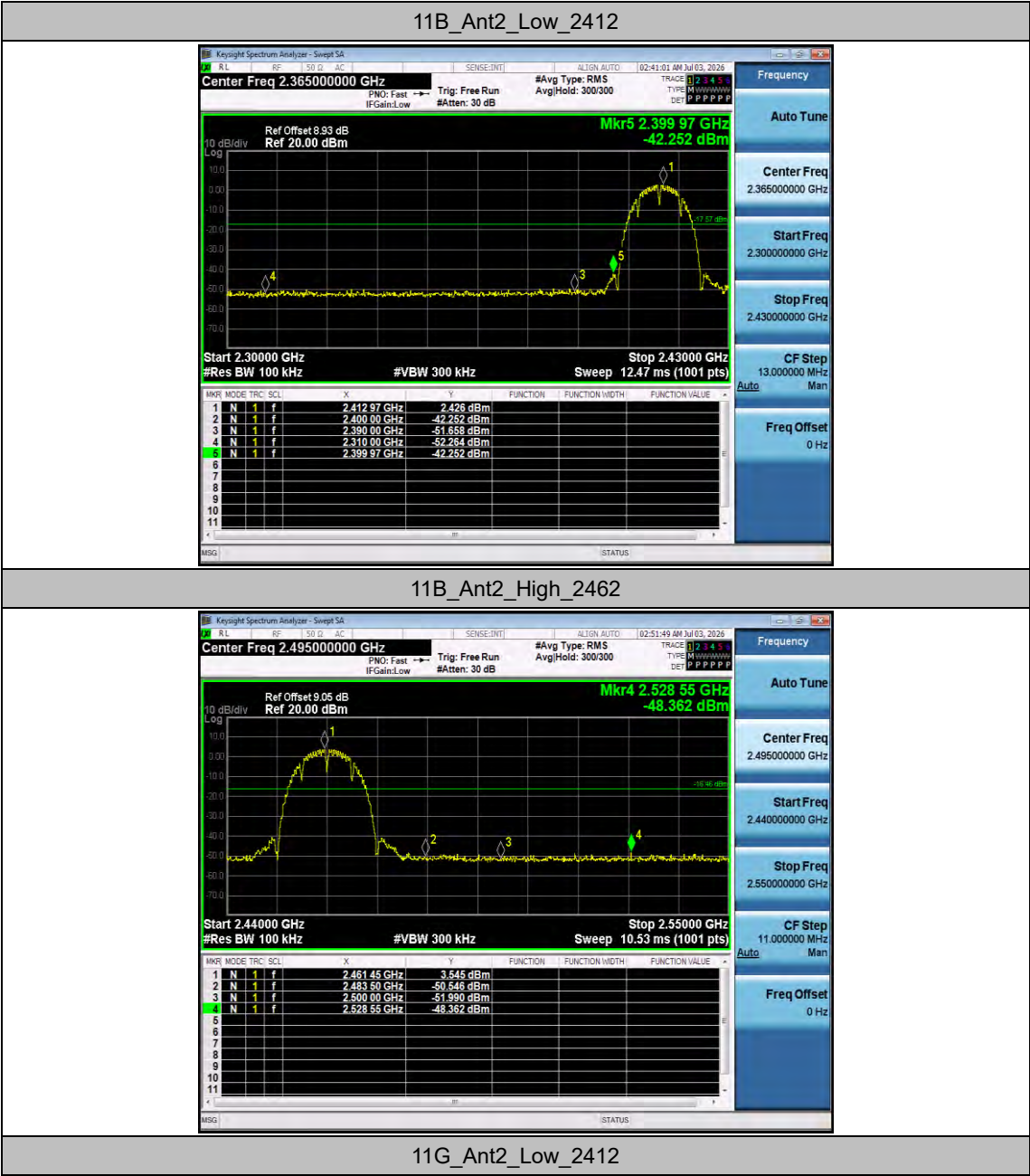


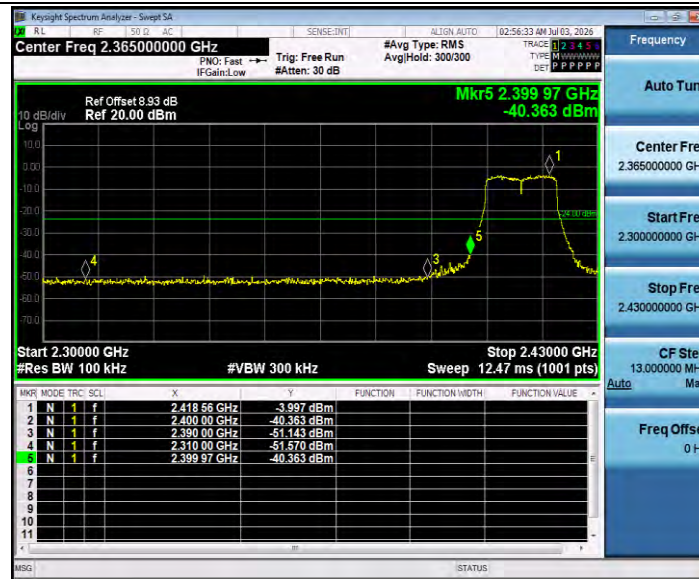
Appendix C.5:Band edge measurements

Test Result

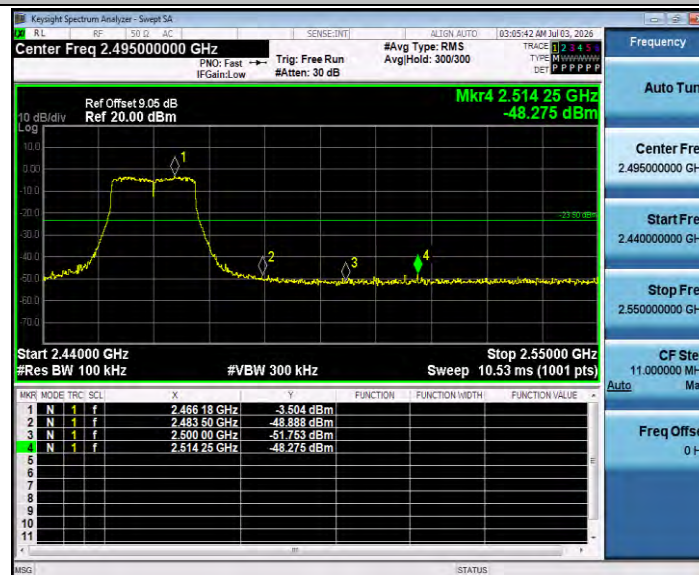
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	2.43	-42.25	≤ -17.57	PASS
		High	2462	3.55	-48.36	≤ -16.46	PASS
11G	Ant2	Low	2412	-4.00	-40.36	≤ -24	PASS
		High	2462	-3.50	-48.28	≤ -23.5	PASS
11N20SISO	Ant2	Low	2412	-4.05	-40.14	≤ -24.05	PASS
		High	2462	-3.38	-48.32	≤ -23.38	PASS
11N40SISO	Ant2	Low	2422	-6.99	-41.59	≤ -26.99	PASS
		High	2452	-6.15	-45.8	≤ -26.15	PASS

Test Graphs

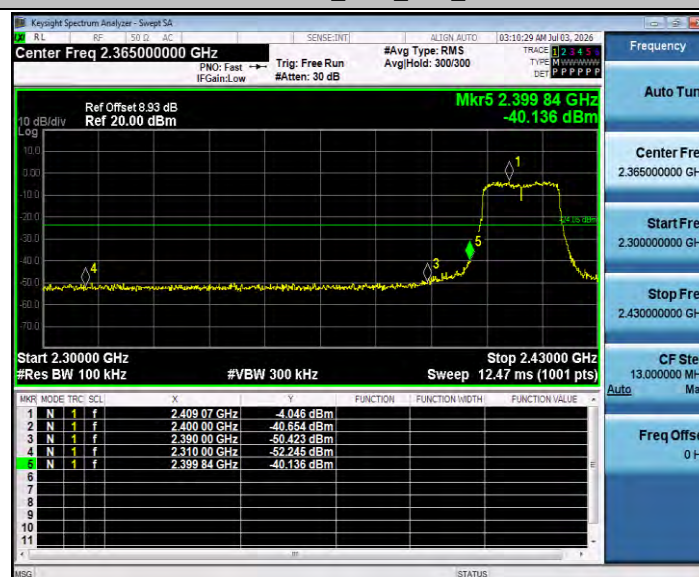




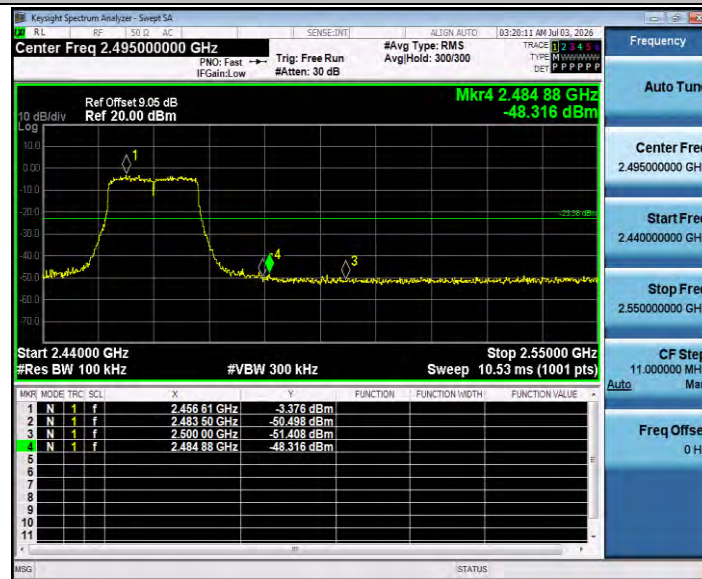
11G_Ant2_High_2462



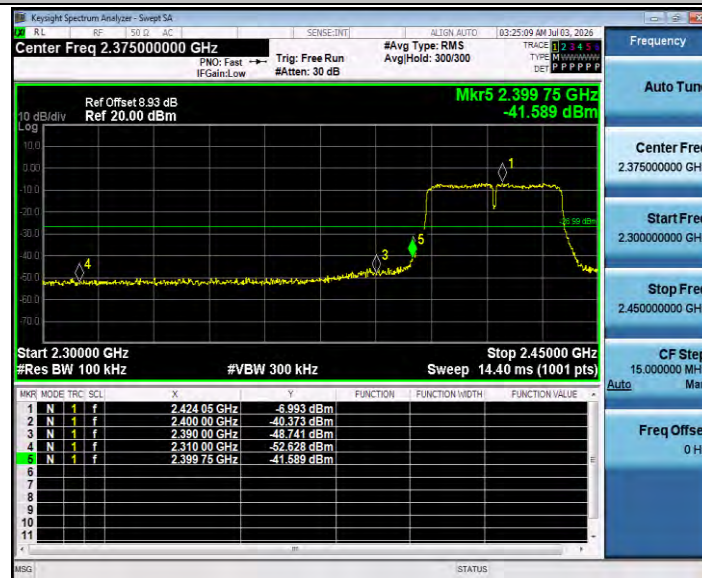
11N20SISO_Ant2_Low_2412



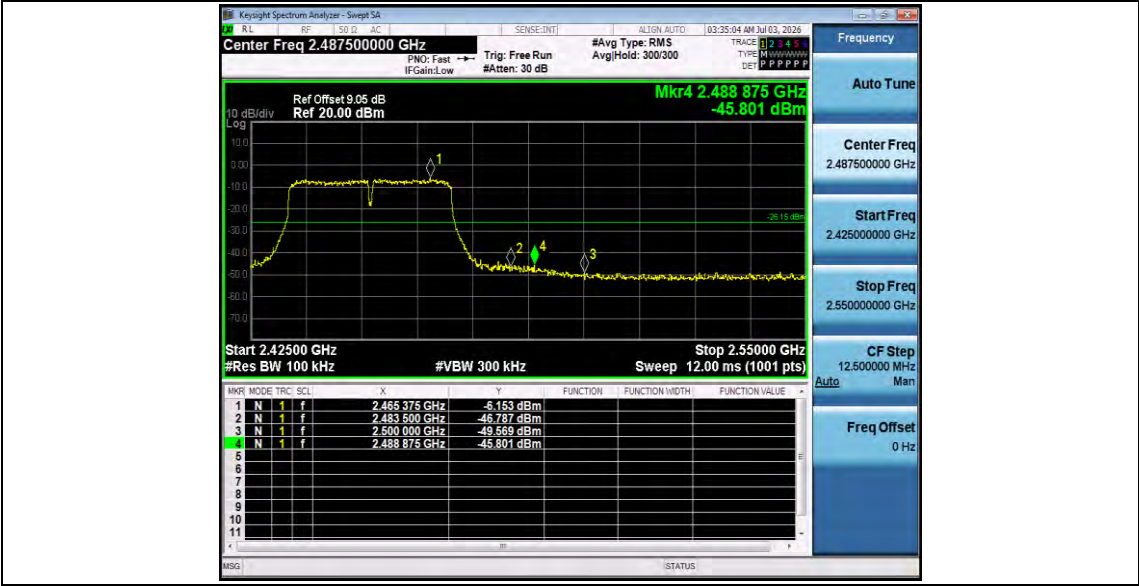
11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

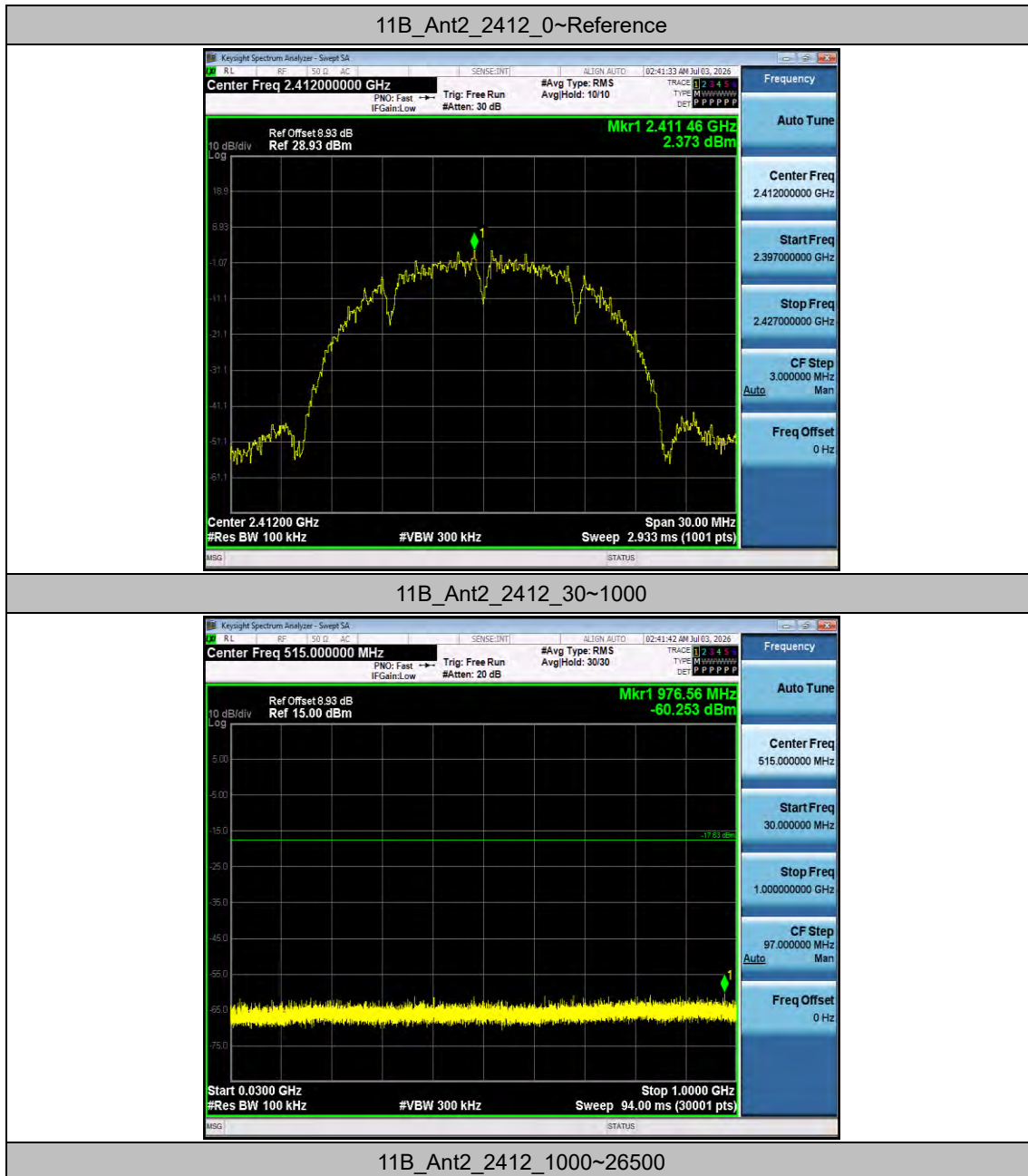


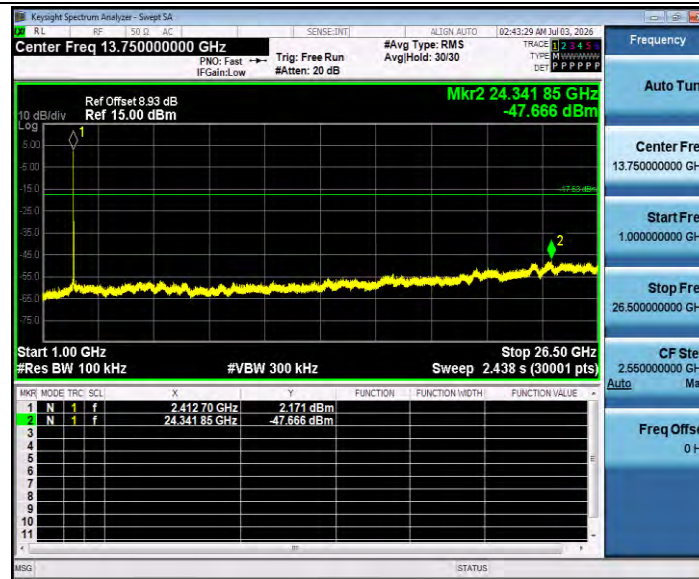
Appendix C.6:Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	2.37	2.37	---	PASS
			30~1000	2.37	-60.25	≤ -17.63	PASS
			1000~26500	2.37	-47.67	≤ -17.63	PASS
		2437	Reference	1.29	1.29	---	PASS
			30~1000	1.29	-60.74	≤ -18.71	PASS
			1000~26500	1.29	-47.51	≤ -18.71	PASS
		2462	Reference	3.10	3.10	---	PASS
			30~1000	3.10	-60.47	≤ -16.9	PASS
			1000~26500	3.10	-48.17	≤ -16.9	PASS
11G	Ant2	2412	Reference	-4.30	-4.30	---	PASS
			30~1000	-4.30	-60.61	≤ -24.3	PASS
			1000~26500	-4.30	-46.97	≤ -24.3	PASS
		2437	Reference	-3.87	-3.87	---	PASS
			30~1000	-3.87	-60.04	≤ -23.87	PASS
			1000~26500	-3.87	-47.75	≤ -23.87	PASS
		2462	Reference	-3.62	-3.62	---	PASS
			30~1000	-3.62	-60.26	≤ -23.62	PASS
			1000~26500	-3.62	-46.52	≤ -23.62	PASS
11N20SISO	Ant2	2412	Reference	-4.19	-4.19	---	PASS
			30~1000	-4.19	-60.17	≤ -24.19	PASS
			1000~26500	-4.19	-47.21	≤ -24.19	PASS
		2437	Reference	-4.53	-4.53	---	PASS
			30~1000	-4.53	-60.53	≤ -24.53	PASS
			1000~26500	-4.53	-46.7	≤ -24.53	PASS
		2462	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-59.27	≤ -24.38	PASS
			1000~26500	-4.38	-47.2	≤ -24.38	PASS
11N40SISO	Ant2	2422	Reference	-7.24	-7.24	---	PASS
			30~1000	-7.24	-60.15	≤ -27.24	PASS
			1000~26500	-7.24	-47.59	≤ -27.24	PASS
		2437	Reference	-7.28	-7.28	---	PASS
			30~1000	-7.28	-60.63	≤ -27.28	PASS
			1000~26500	-7.28	-47.73	≤ -27.28	PASS
		2452	Reference	-6.77	-6.77	---	PASS
			30~1000	-6.77	-60.34	≤ -26.77	PASS
			1000~26500	-6.77	-47.81	≤ -26.77	PASS

Test Graphs

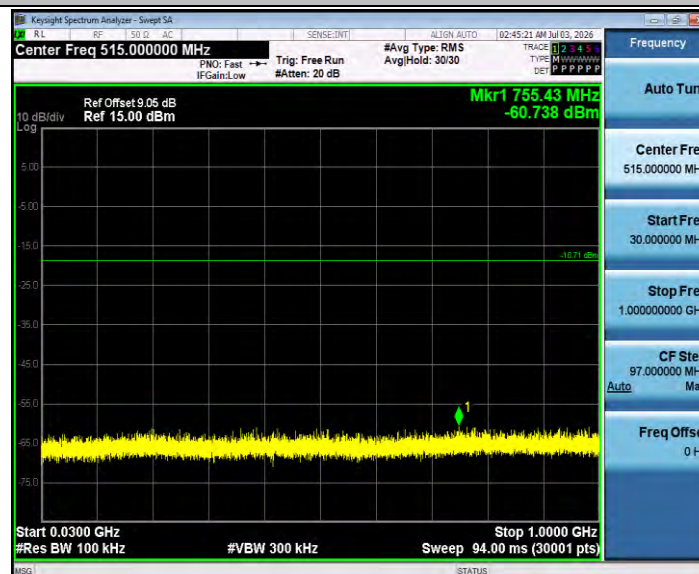




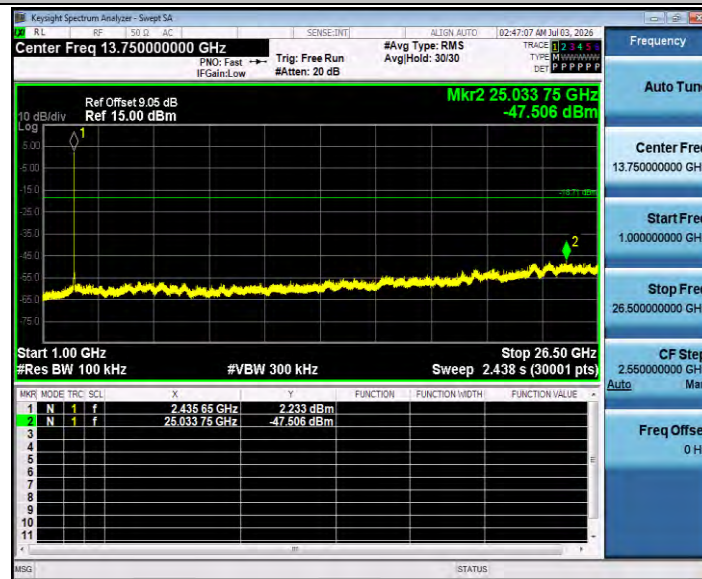
11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



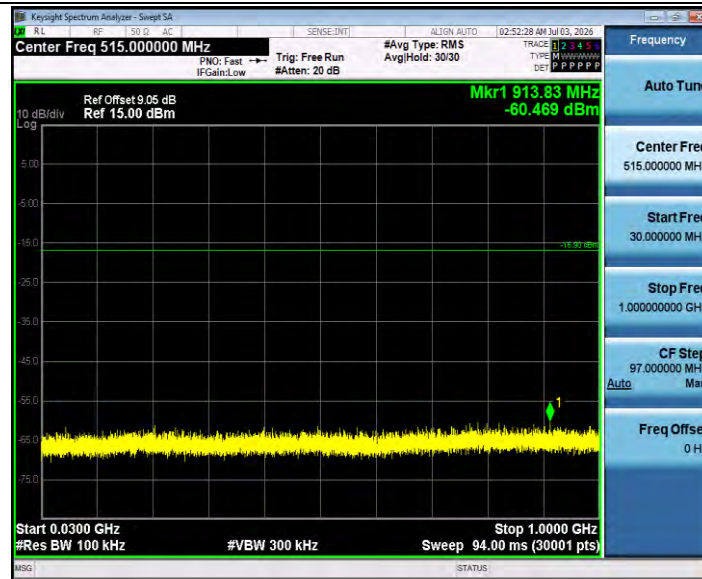
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000

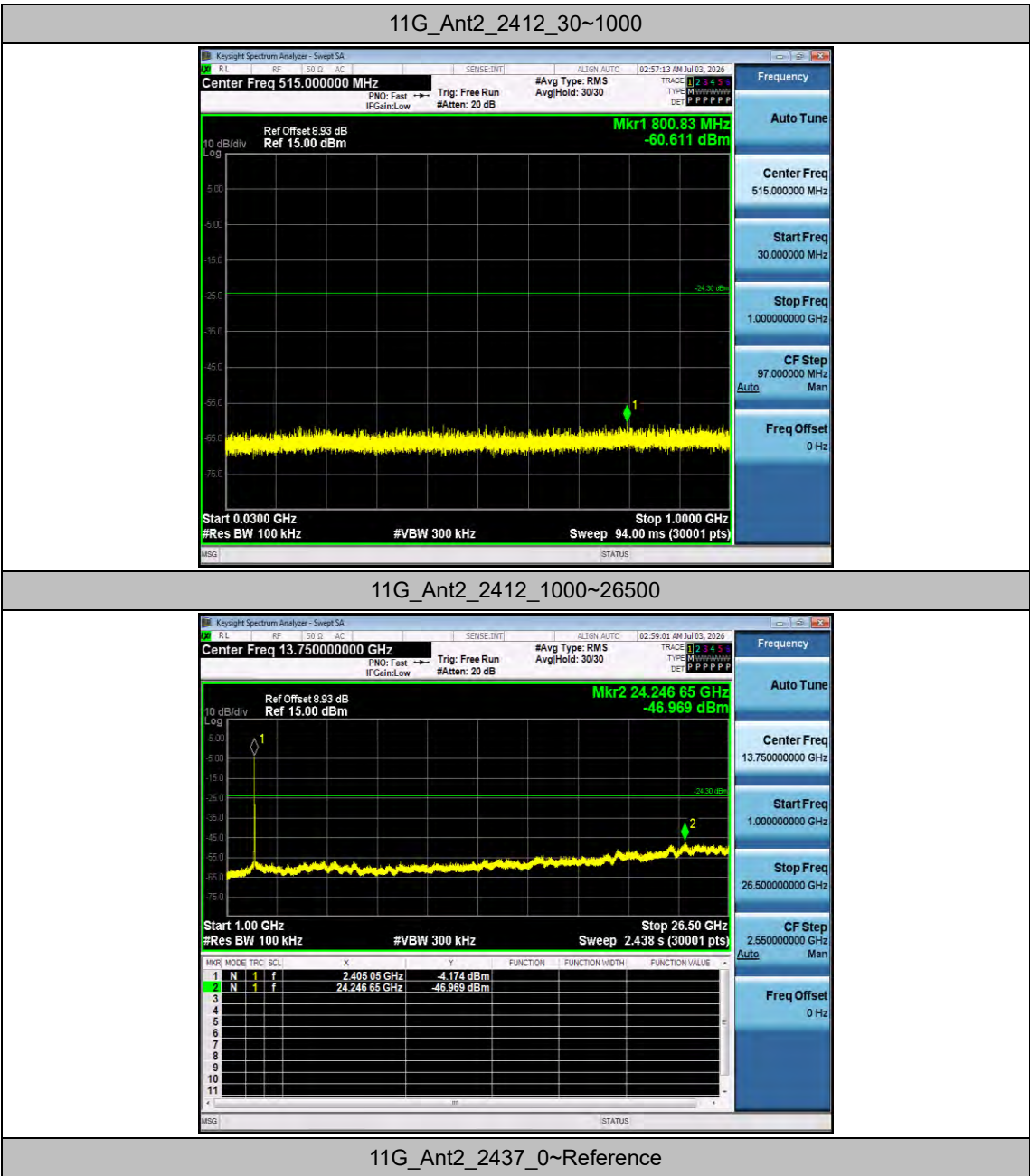


11B_Ant2_2462_1000~26500



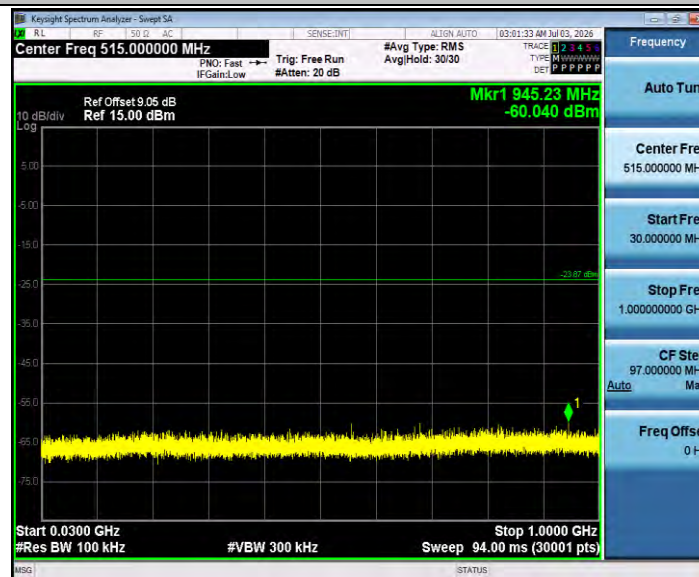
11G_Ant2_2412_0~Reference







11G_Ant2_2437_30~1000



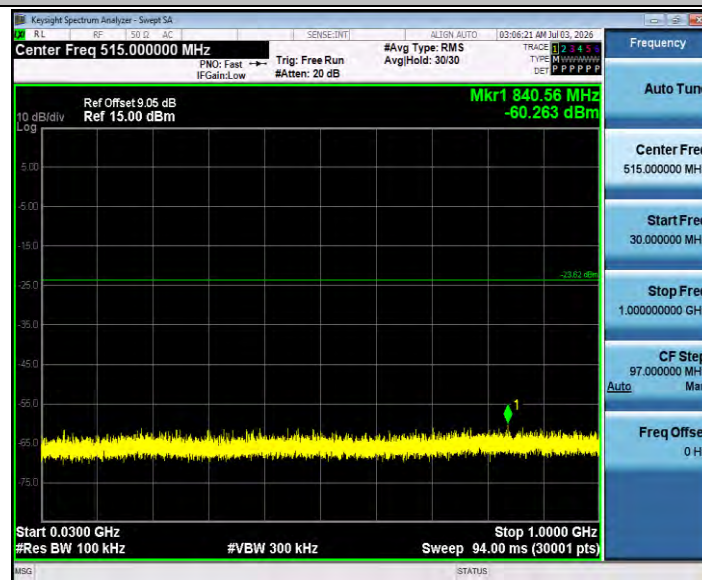
11G_Ant2_2437_1000~26500



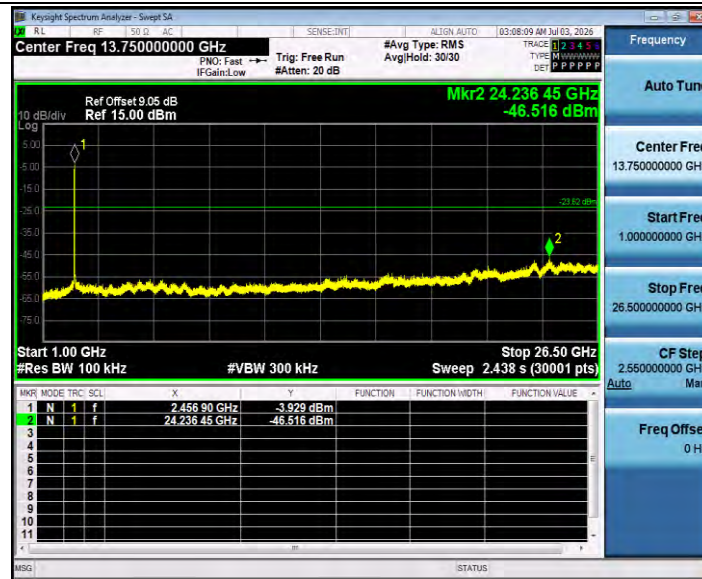
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



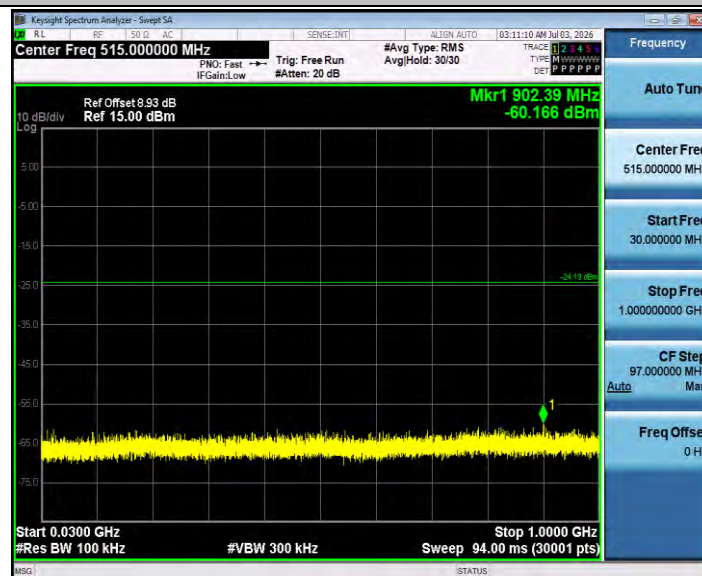
11G_Ant2_2462_1000~26500



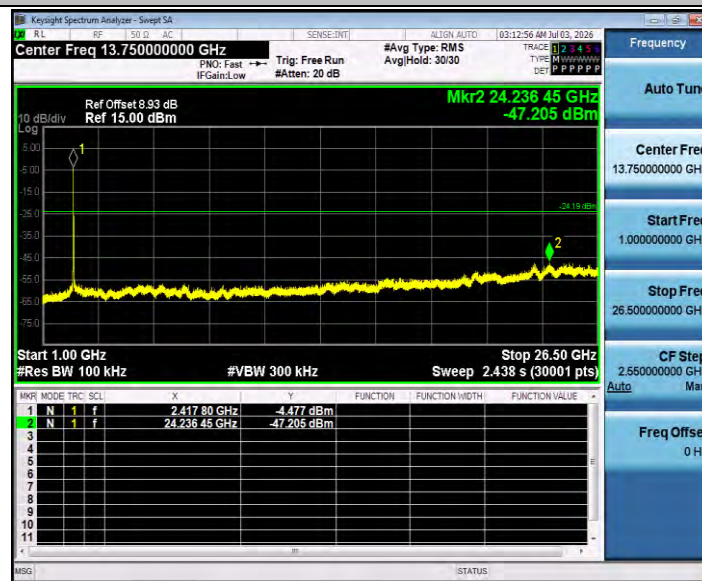
11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



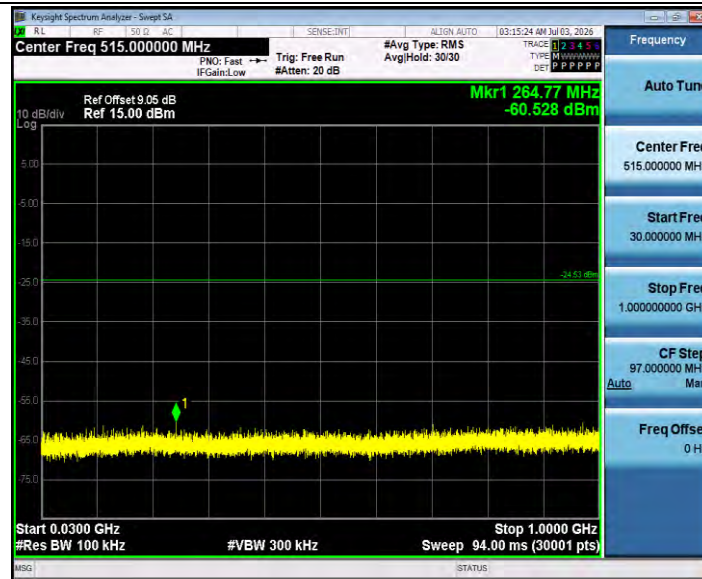
11N20SISO_Ant2_2412_1000~26500



11N20SISO_Ant2_2437_0~Reference



11N20SISO_Ant2_2437_30~1000

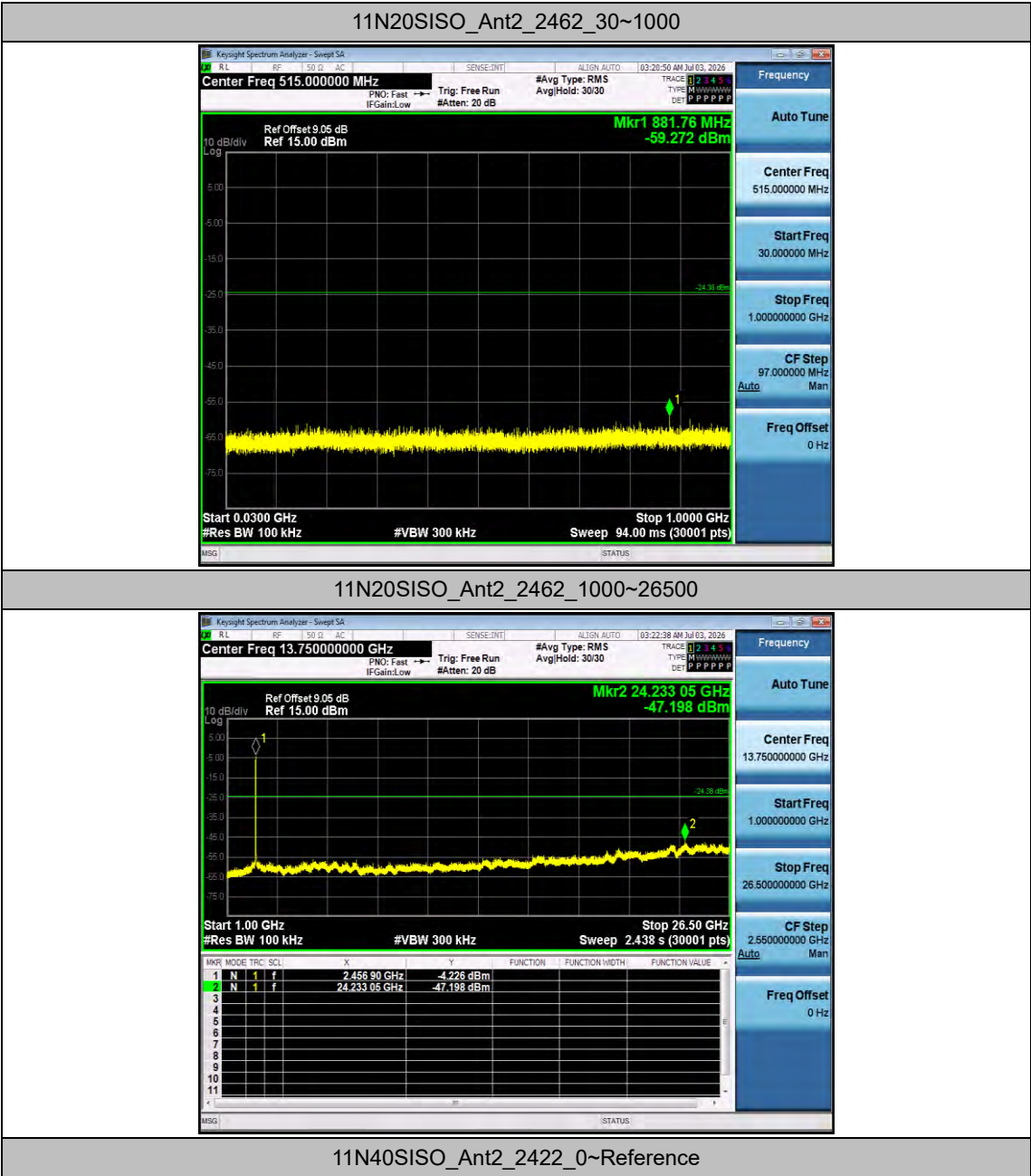


11N20SISO_Ant2_2437_1000~26500



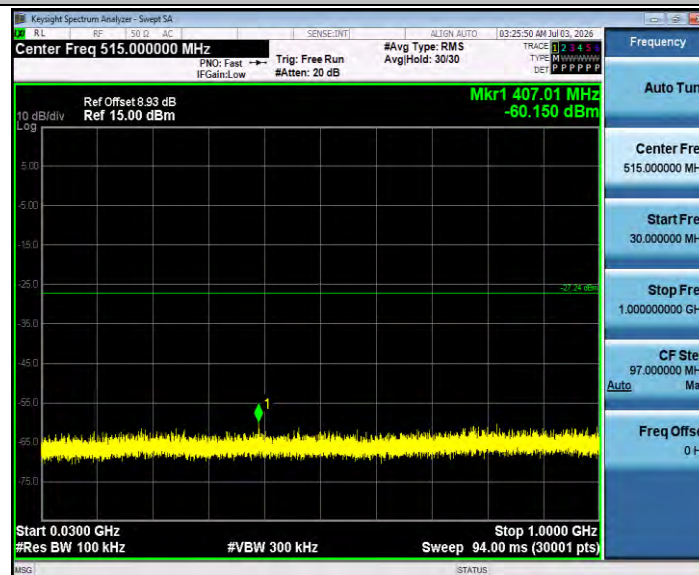
11N20SISO_Ant2_2462_0~Reference







11N40SISO_Ant2_2422_30~1000



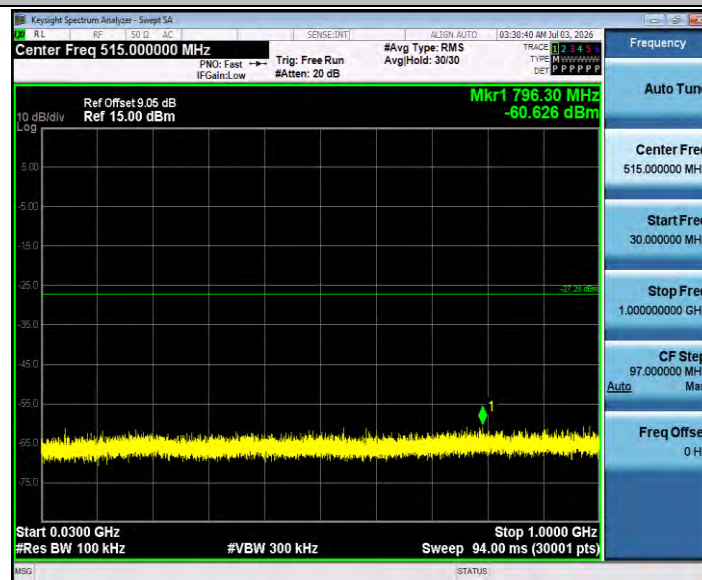
11N40SISO_Ant2_2422_1000~26500



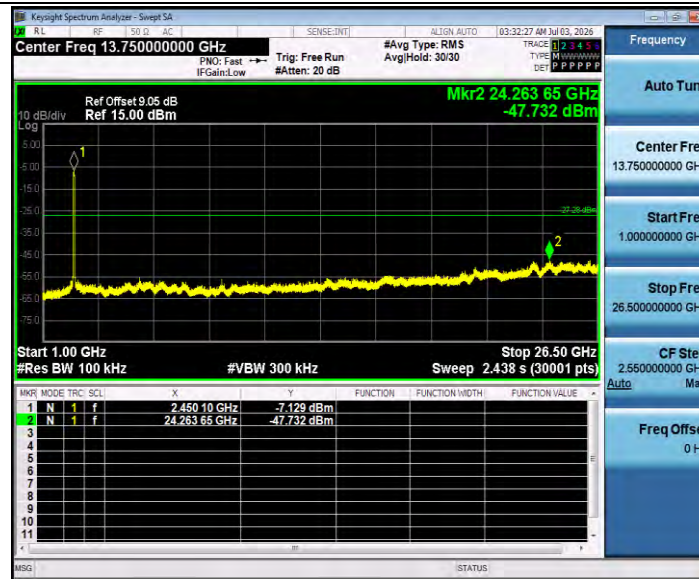
11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



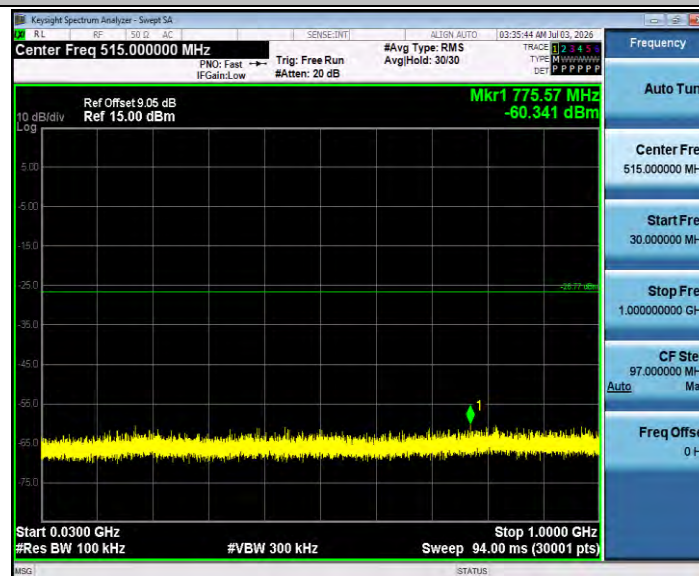
11N40SISO_Ant2_2437_1000~26500

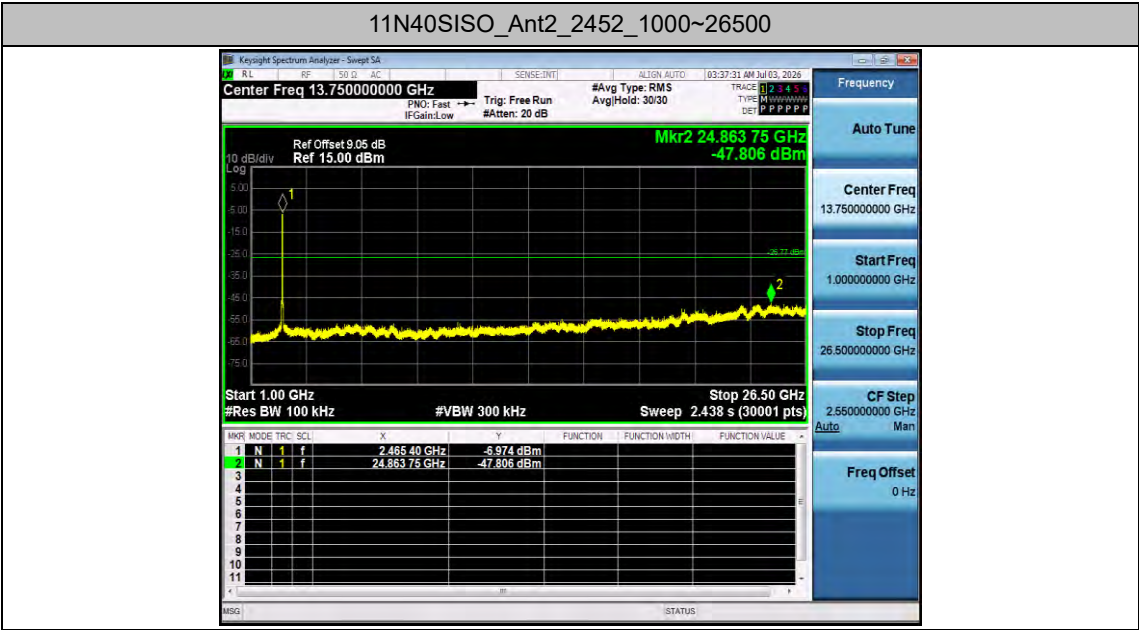


11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000



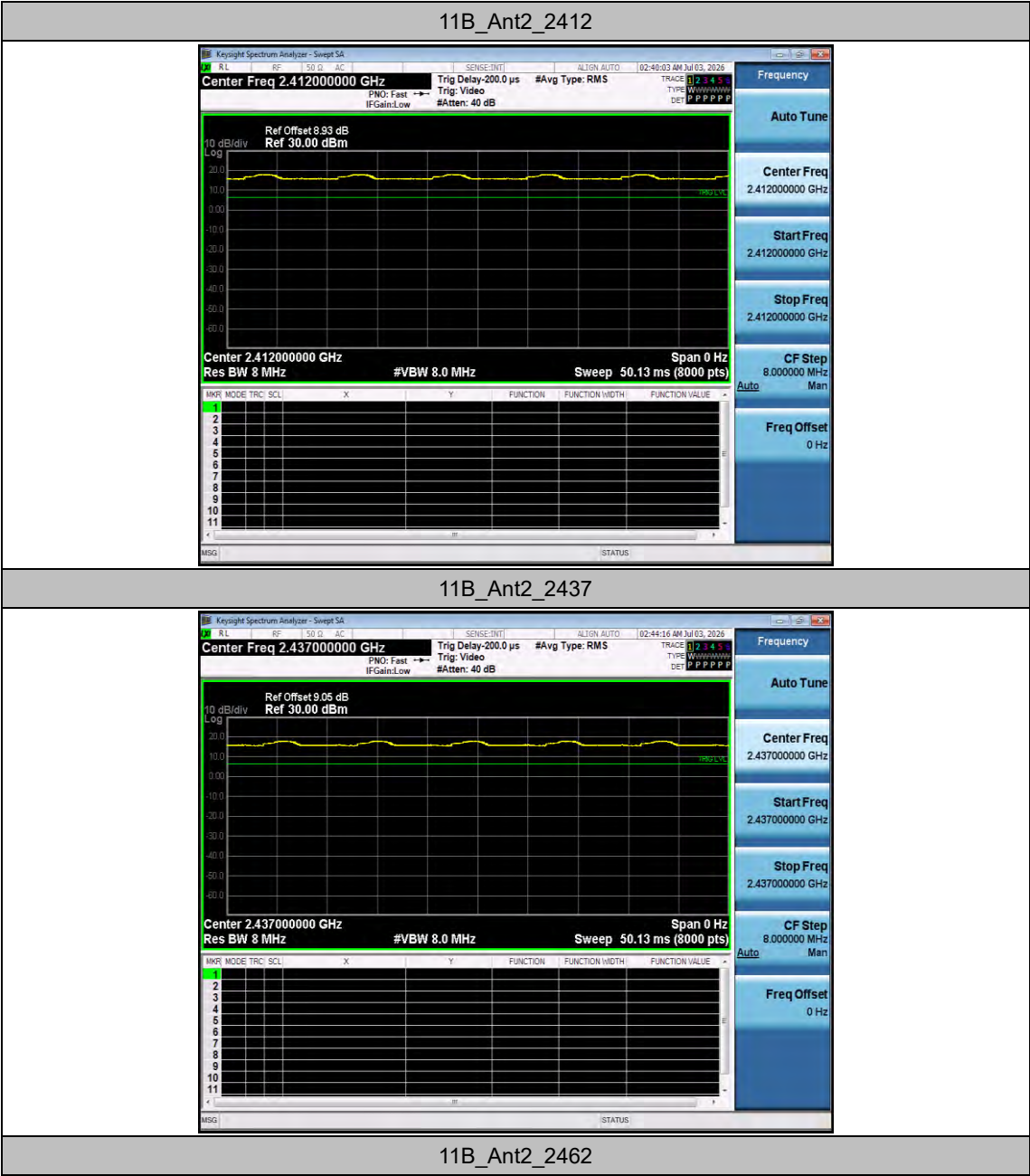


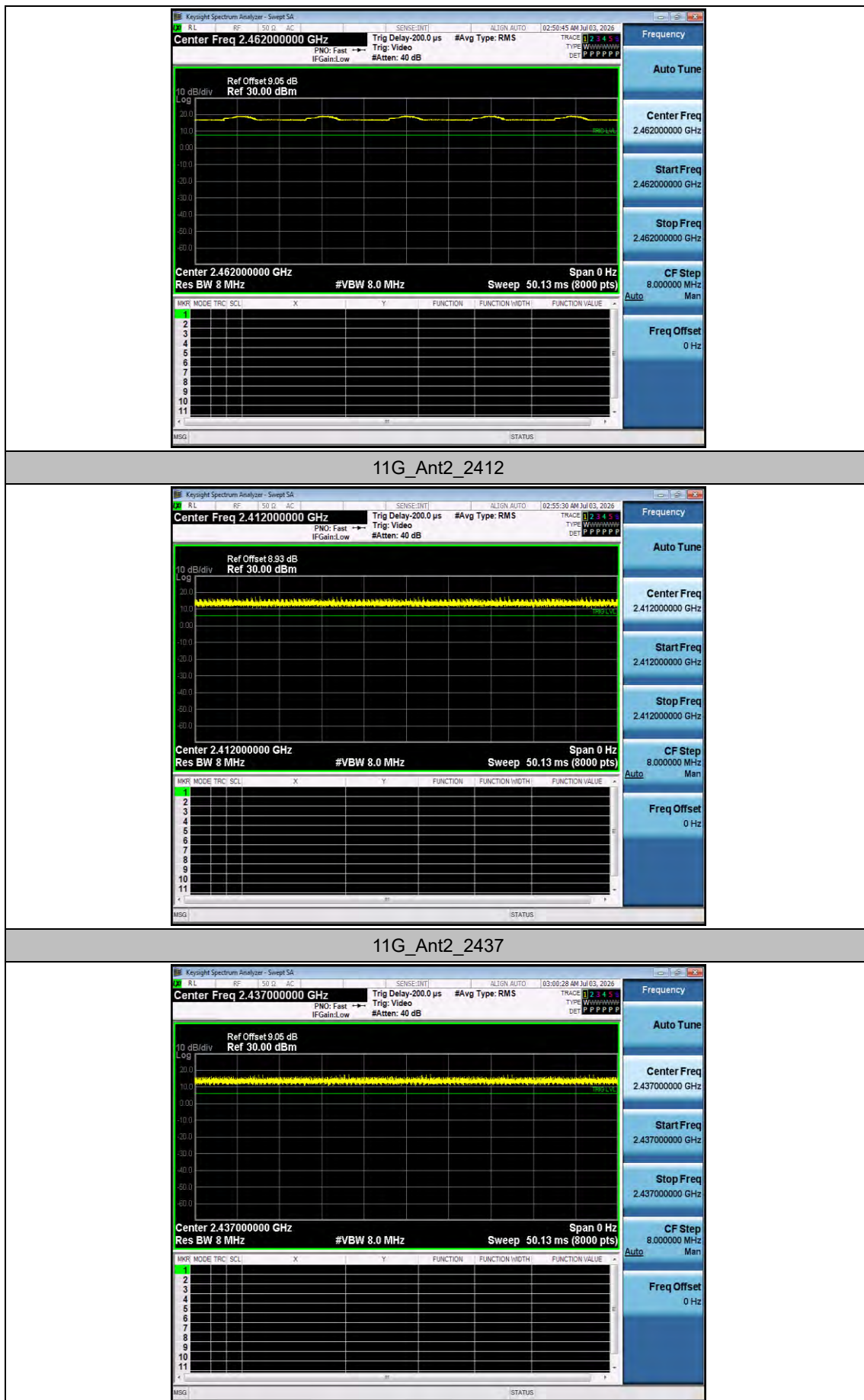
Appendix C.7: Duty Cycle

Test Result

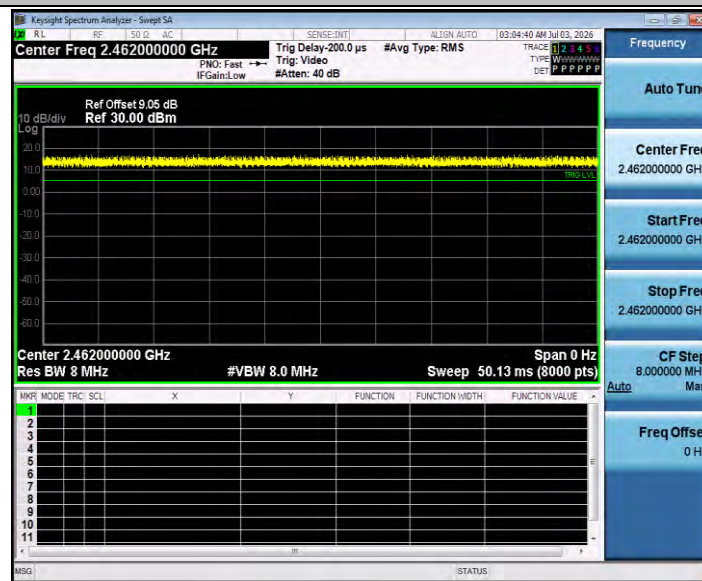
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor [KHz]
11B	Ant2	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2462	50.00	50.00	100.00	0.00	0.02
11G	Ant2	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2462	50.00	50.00	100.00	0.00	0.02
11N20SISO	Ant2	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2462	50.00	50.00	100.00	0.00	0.02
11N40SISO	Ant2	2422	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2452	50.00	50.00	100.00	0.00	0.02

Test Graphs

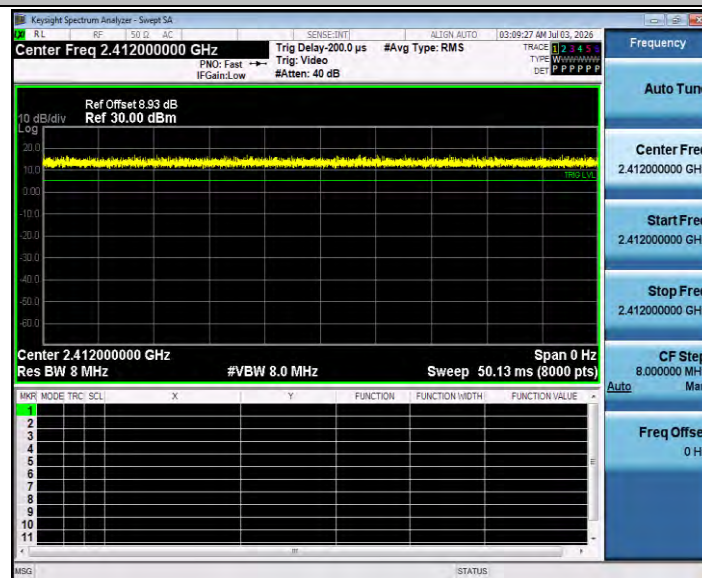




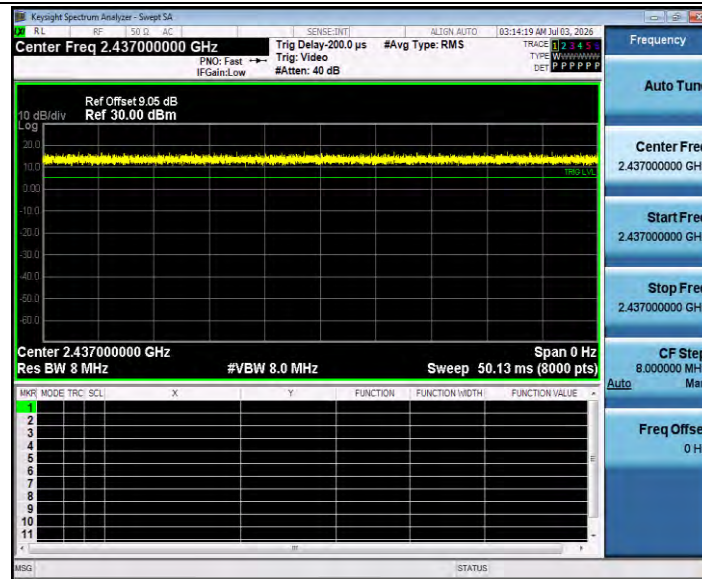
11G_Ant2_2462



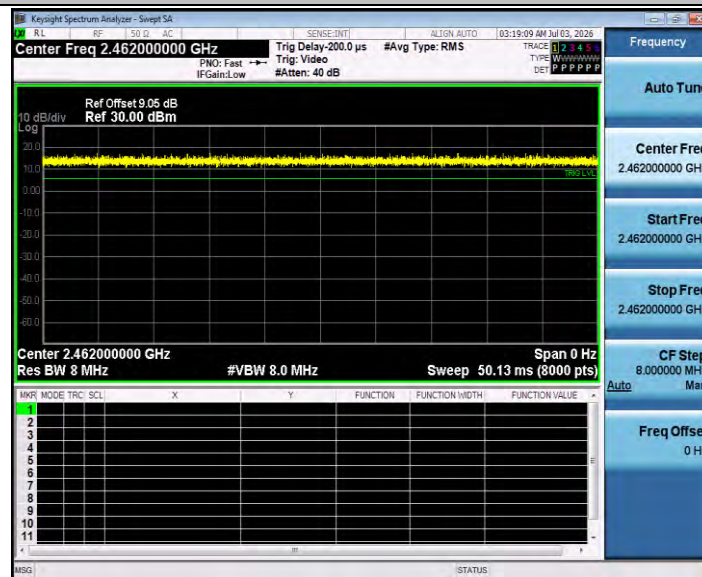
11N20SISO_Ant2_2412



11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422

