

Appendix for WIFI 2.4GHz

Product Name: EcoFlow Smart Generator 3000 (Dual Fuel)
Model No: EF-SG-H03-1

Appendix A: DTS Bandwidth

Test Result

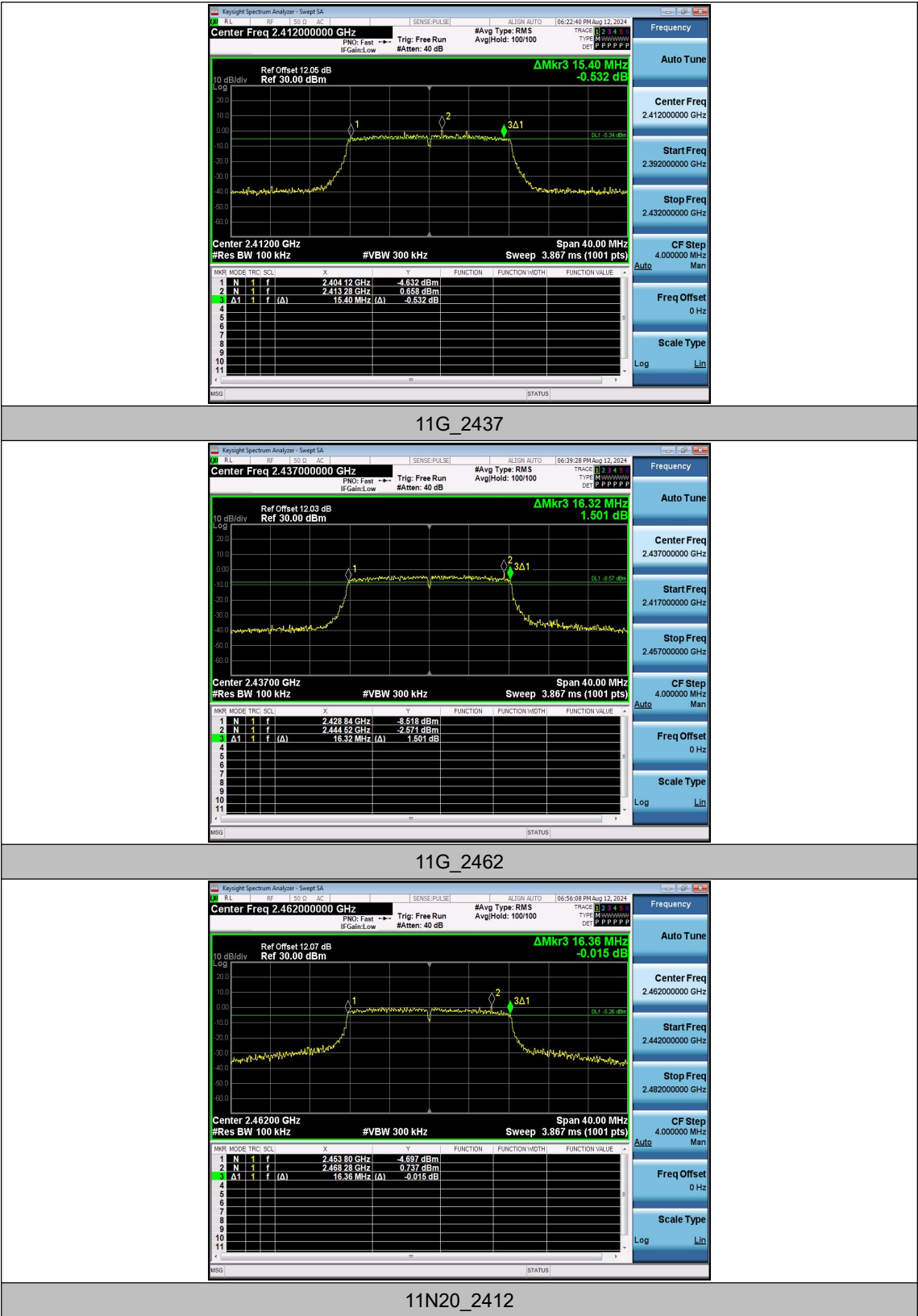
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Onboard	2412	9.120	2407.440	2416.560	0.5	PASS
	PCB	2437	9.560	2432.480	2442.040	0.5	PASS
	antenna	2462	9.200	2457.360	2466.560	0.5	PASS
11G	Onboard	2412	15.400	2404.120	2419.520	0.5	PASS
	PCB	2437	16.320	2428.840	2445.160	0.5	PASS
	antenna	2462	16.360	2453.800	2470.160	0.5	PASS
11N20	Onboard	2412	16.640	2403.880	2420.520	0.5	PASS
	PCB	2437	16.760	2428.640	2445.400	0.5	PASS
	antenna	2462	16.160	2453.480	2469.640	0.5	PASS
11N40	Onboard	2422	28.560	2408.480	2437.040	0.5	PASS
	PCB	2437	25.680	2423.880	2449.560	0.5	PASS
	antenna	2452	25.120	2438.240	2463.360	0.5	PASS
11AX20	Onboard	2412	17.160	2403.400	2420.560	0.5	PASS
	PCB	2437	16.960	2428.480	2445.440	0.5	PASS
	antenna	2462	17.480	2453.080	2470.560	0.5	PASS

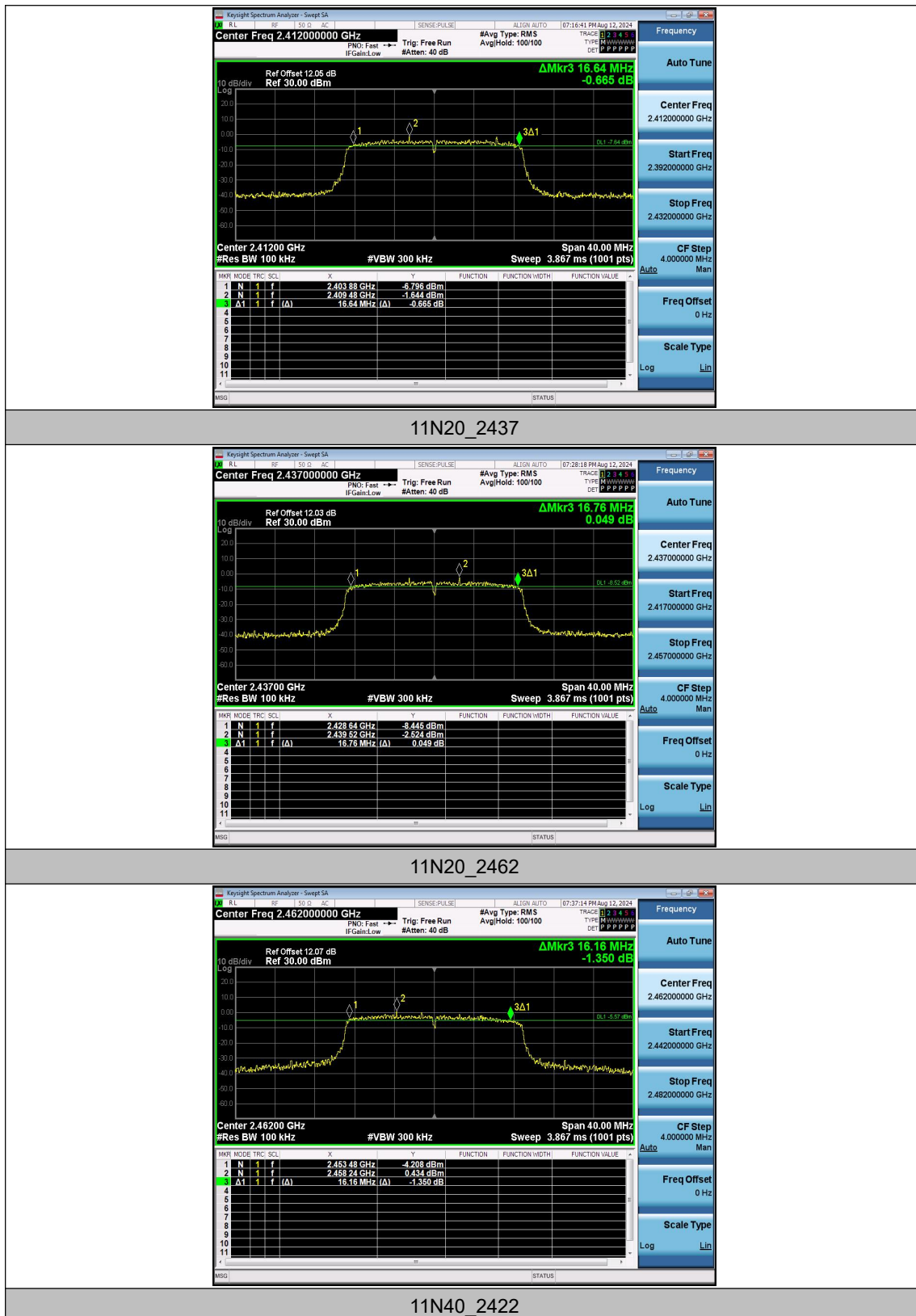
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	External	2412	8.920	2407.600	2416.520	0.5	PASS
	PCB	2437	8.040	2433.040	2441.080	0.5	PASS
	antenna	2462	9.320	2457.480	2466.800	0.5	PASS
11G	External	2412	16.400	2403.800	2420.200	0.5	PASS
	PCB	2437	16.320	2428.840	2445.160	0.5	PASS
	antenna	2462	16.040	2453.880	2469.920	0.5	PASS
11N20	External	2412	16.520	2403.640	2420.160	0.5	PASS
	PCB	2437	16.360	2429.040	2445.400	0.5	PASS
	antenna	2462	17.320	2453.240	2470.560	0.5	PASS
11N40	External	2422	27.600	2408.160	2435.760	0.5	PASS
	PCB	2437	26.240	2423.320	2449.560	0.5	PASS
	antenna	2452	27.600	2436.960	2464.560	0.5	PASS
11AX20	External	2412	17.480	2403.160	2420.640	0.5	PASS
	PCB	2437	16.960	2428.520	2445.480	0.5	PASS
	antenna	2462	17.280	2453.160	2470.440	0.5	PASS

Test Graphs

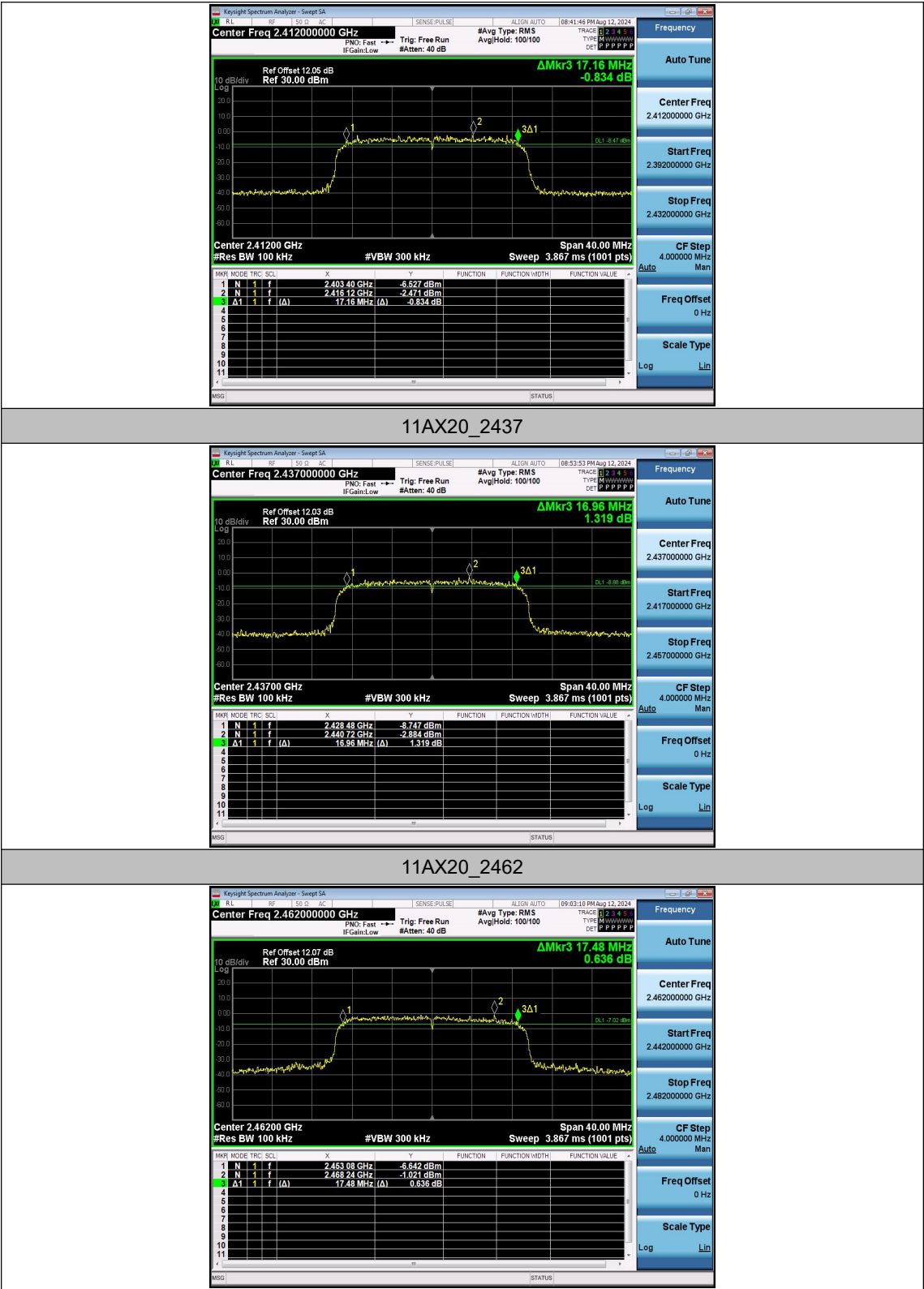
Onboard PCB antenna





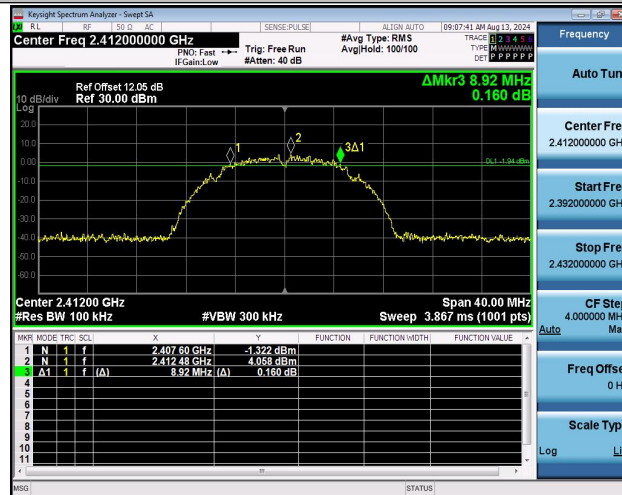




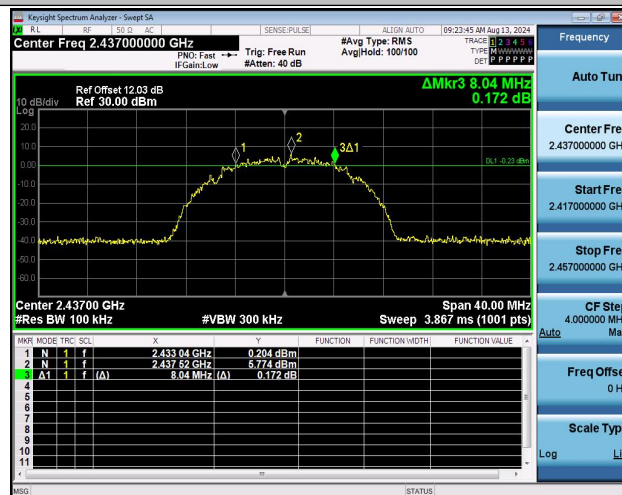


External PCB antenna

11B_2412



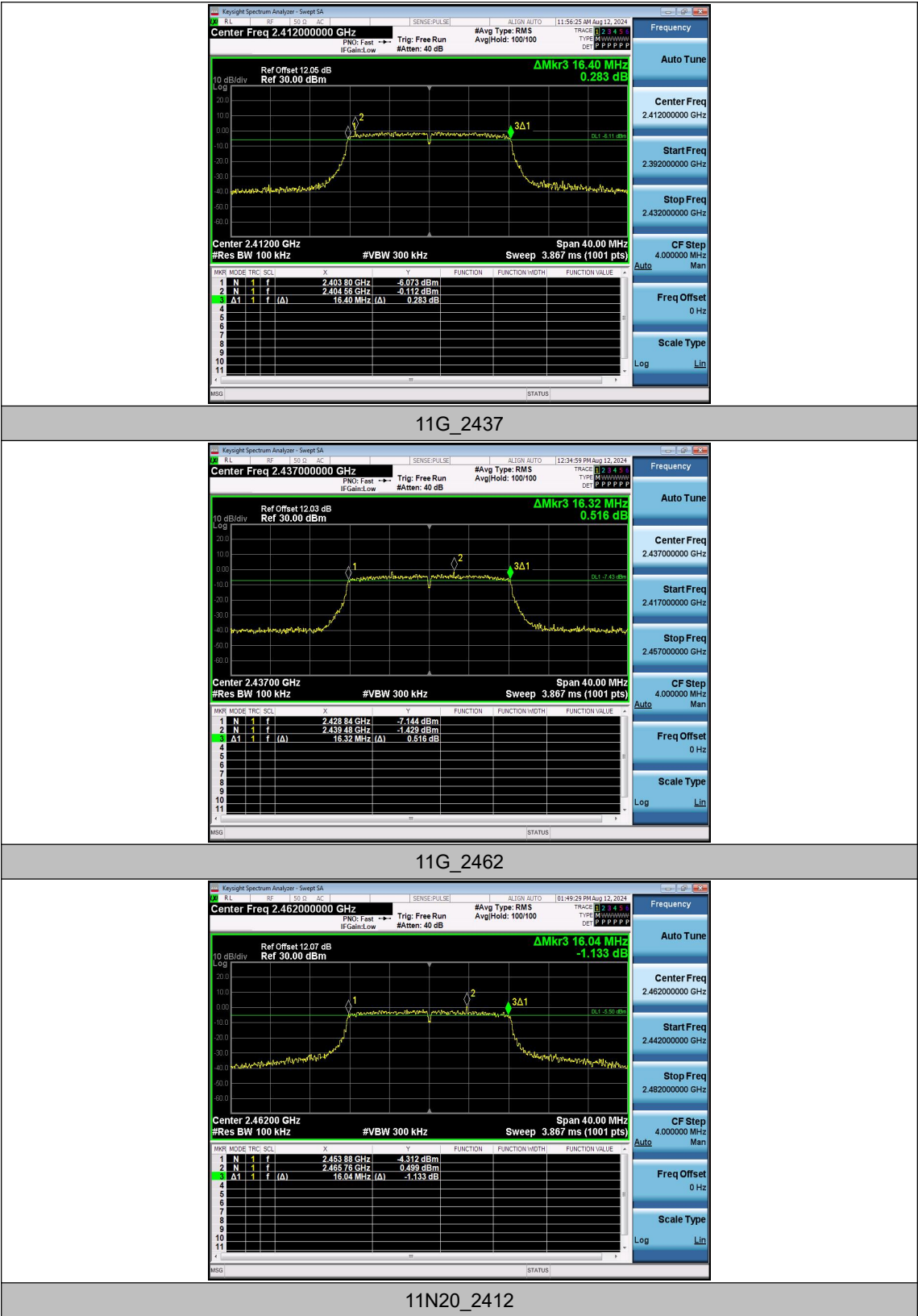
11B_2437

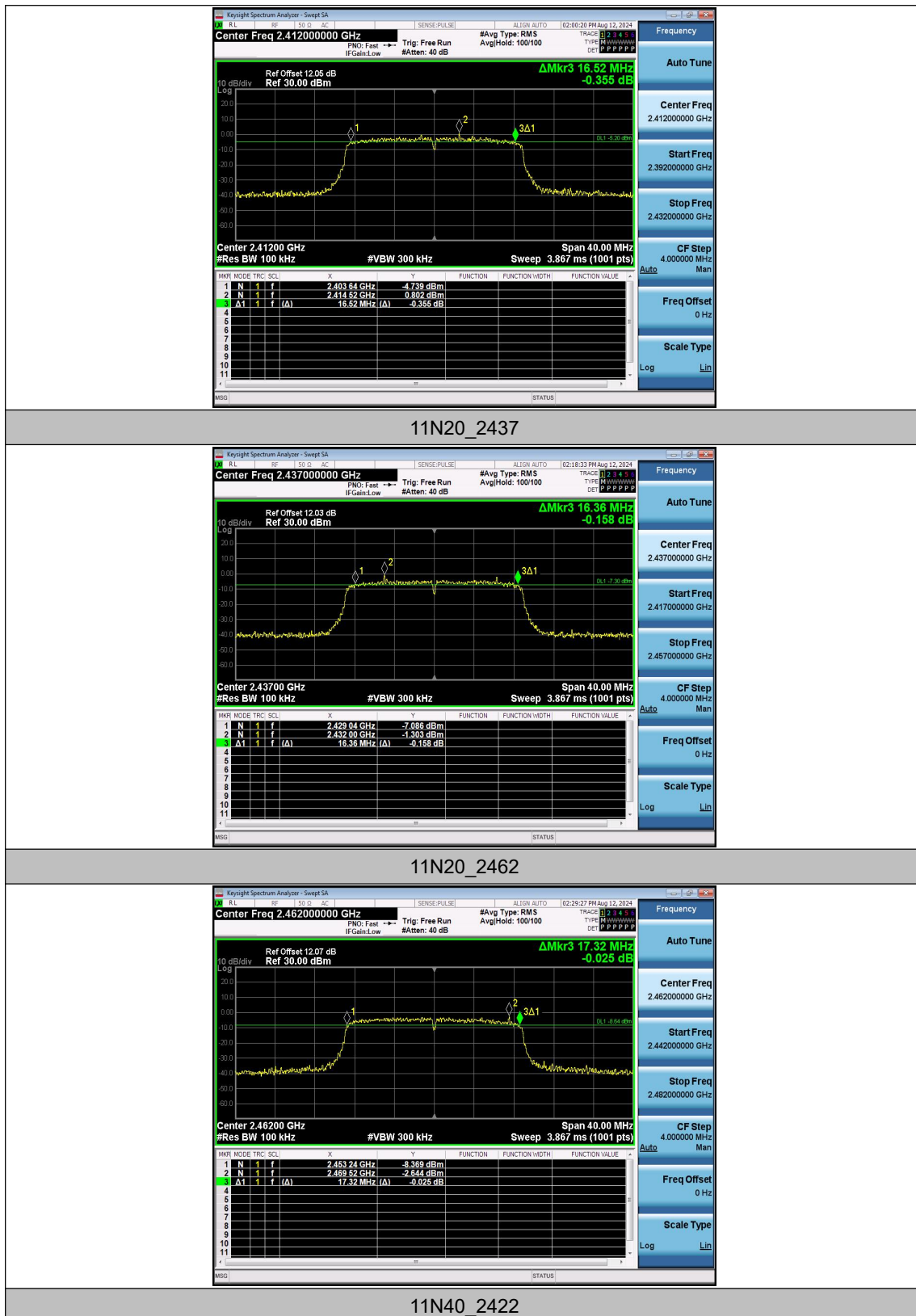


11B_2462

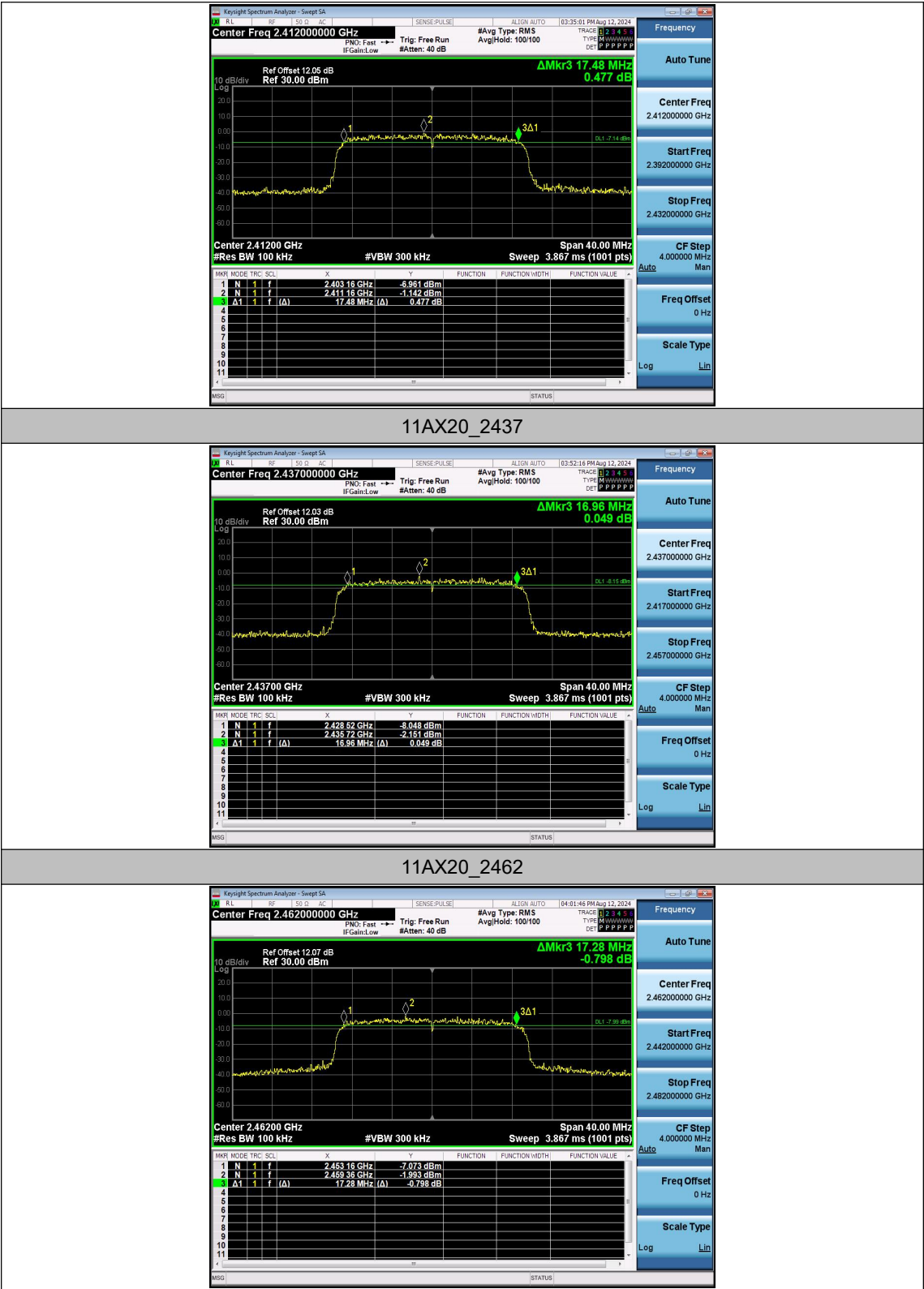


11G_2412









Appendix B: Maximum conducted output power

Duty Cycle Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Onboard PCB antenna	2412	19.00	19.00	100.00
		2437	19.00	19.00	100.00
		2462	19.00	19.00	100.00
11G	Onboard PCB antenna	2412	5.35	5.38	99.44
		2437	5.37	5.39	99.63
		2462	5.35	5.37	99.63
11N20	Onboard PCB antenna	2412	4.97	5.00	99.40
		2437	4.96	4.98	99.60
		2462	4.97	5.00	99.40
11N40	Onboard PCB antenna	2422	2.41	2.43	99.18
		2437	2.41	2.44	98.77
		2452	2.41	2.44	98.77
11AX20	Onboard PCB antenna	2412	7.56	7.58	99.74
		2437	7.56	7.59	99.60
		2462	7.56	7.58	99.74

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	External PCB antenna	2412	19.00	19.00	100.00
		2437	19.00	19.00	100.00
		2462	19.00	19.00	100.00
11G	External PCB antenna	2412	5.36	5.38	99.63
		2437	5.36	5.38	99.63
		2462	5.36	5.39	99.44
11N20	External PCB antenna	2412	4.96	4.99	99.40
		2437	4.97	4.99	99.60
		2462	4.96	4.98	99.60
11N40	External PCB antenna	2422	2.41	2.44	98.77
		2437	2.41	2.43	99.18
		2452	2.41	2.44	98.77
11AX20	External PCB antenna	2412	7.56	7.59	99.60
		2437	3.00	3.00	100.00
		2462	7.57	7.60	99.61

Average Power Test Result

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Onboard PCB antenna	2412	14.85	100.00	0.00	14.85	≤30.00	PASS
		2437	13.93	100.00	0.00	13.93	≤30.00	PASS
		2462	18.38	100.00	0.00	18.38	≤30.00	PASS
11G	Onboard PCB antenna	2412	11.39	99.44	0.02	11.41	≤30.00	PASS
		2437	10.01	99.63	0.02	10.03	≤30.00	PASS
		2462	13.50	99.63	0.02	13.52	≤30.00	PASS
11N20	Onboard PCB antenna	2412	10.33	99.40	0.03	10.36	≤30.00	PASS
		2437	9.10	99.60	0.02	9.12	≤30.00	PASS
		2462	12.18	99.40	0.03	12.21	≤30.00	PASS
11N40	Onboard PCB antenna	2422	9.05	99.18	0.04	9.09	≤30.00	PASS
		2437	8.20	98.77	0.05	8.25	≤30.00	PASS
		2452	10.23	98.77	0.05	10.28	≤30.00	PASS
11AX20	Onboard PCB antenna	2412	10.39	99.74	0.01	10.40	≤30.00	PASS
		2437	9.12	99.60	0.02	9.14	≤30.00	PASS
		2462	12.14	99.74	0.01	12.15	≤30.00	PASS

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	External PCB antenna	2412	17.18	100.00	0.00	17.18	≤30.00	PASS
		2437	13.68	100.00	0.00	13.68	≤30.00	PASS
		2462	15.74	100.00	0.00	15.74	≤30.00	PASS
11G	External PCB antenna	2412	13.14	99.63	0.02	13.16	≤30.00	PASS
		2437	10.52	99.63	0.02	10.54	≤30.00	PASS
		2462	12.02	99.44	0.02	12.04	≤30.00	PASS
11N20	External PCB antenna	2412	12.13	99.40	0.03	12.16	≤30.00	PASS
		2437	9.86	99.60	0.02	9.88	≤30.00	PASS
		2462	10.90	99.60	0.02	10.92	≤30.00	PASS
11N40	External PCB antenna	2422	10.18	98.77	0.05	10.23	≤30.00	PASS
		2437	8.60	99.18	0.04	8.64	≤30.00	PASS
		2452	9.69	98.77	0.05	9.74	≤30.00	PASS
11AX20	External PCB antenna	2412	11.80	99.60	0.02	11.82	≤30.00	PASS
		2437	9.55	100.00	0.00	9.55	≤30.00	PASS
		2462	10.55	99.61	0.02	10.57	≤30.00	PASS

Test Graphs

Onboard PCB antenna Duty Cycle

