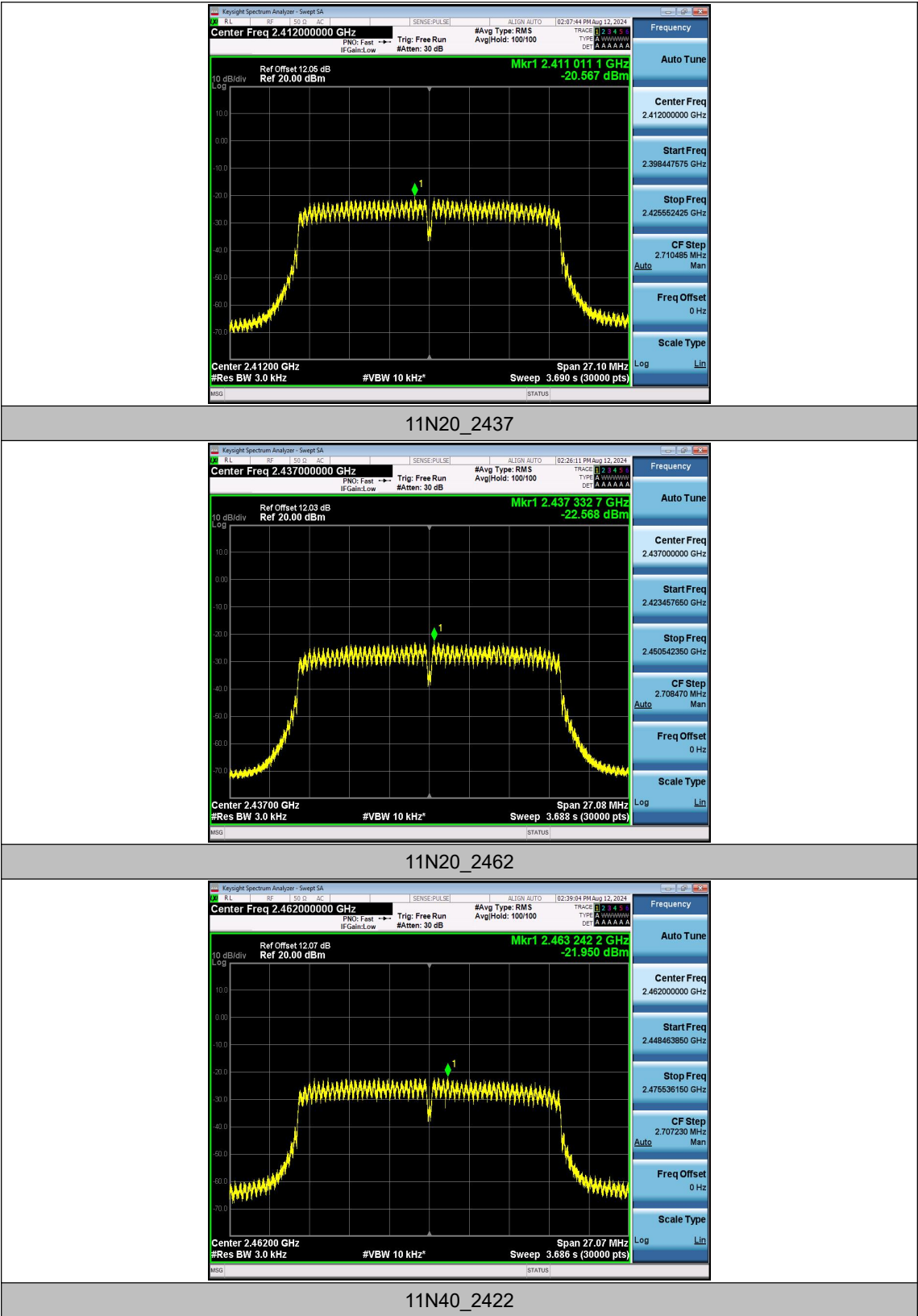
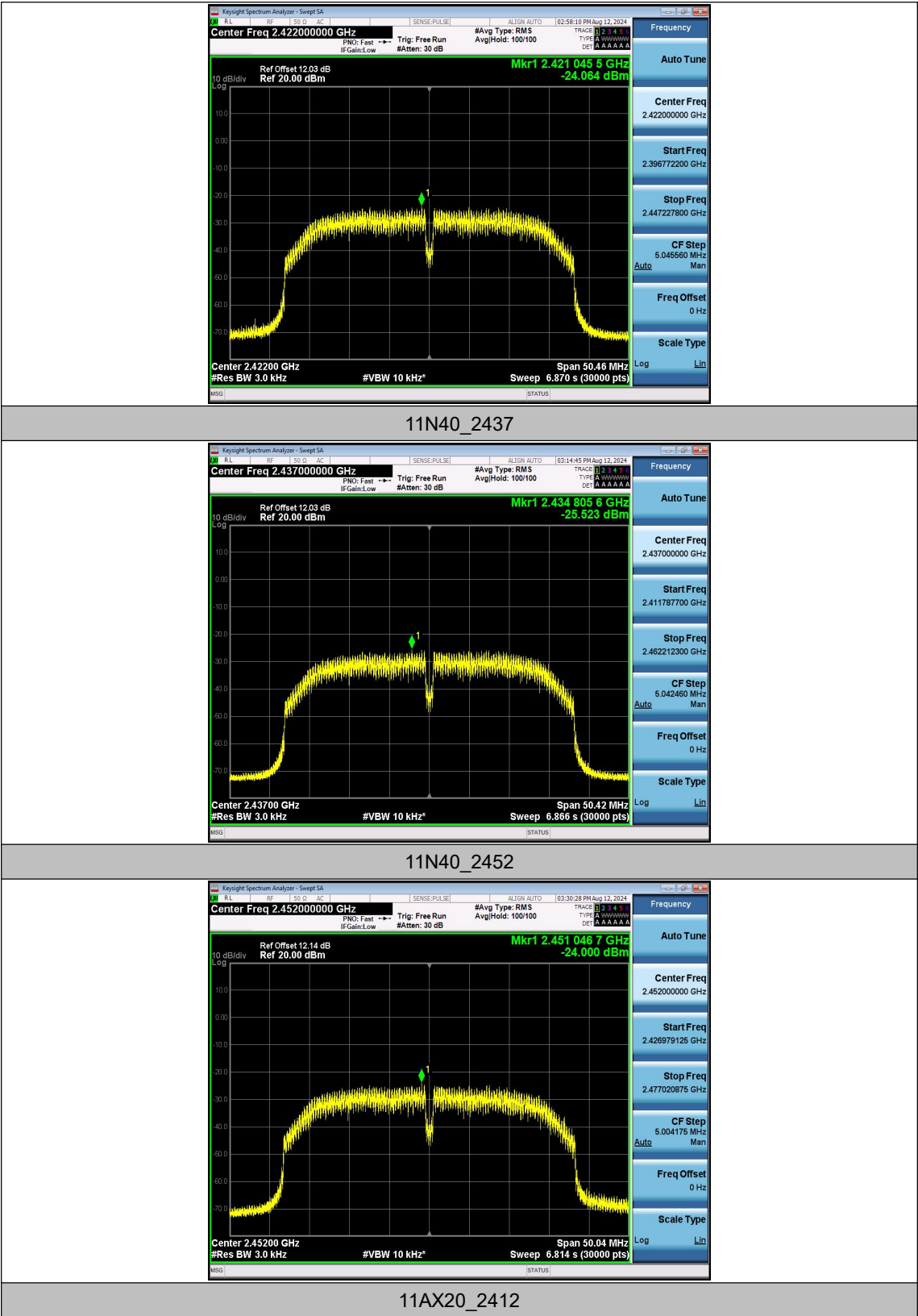
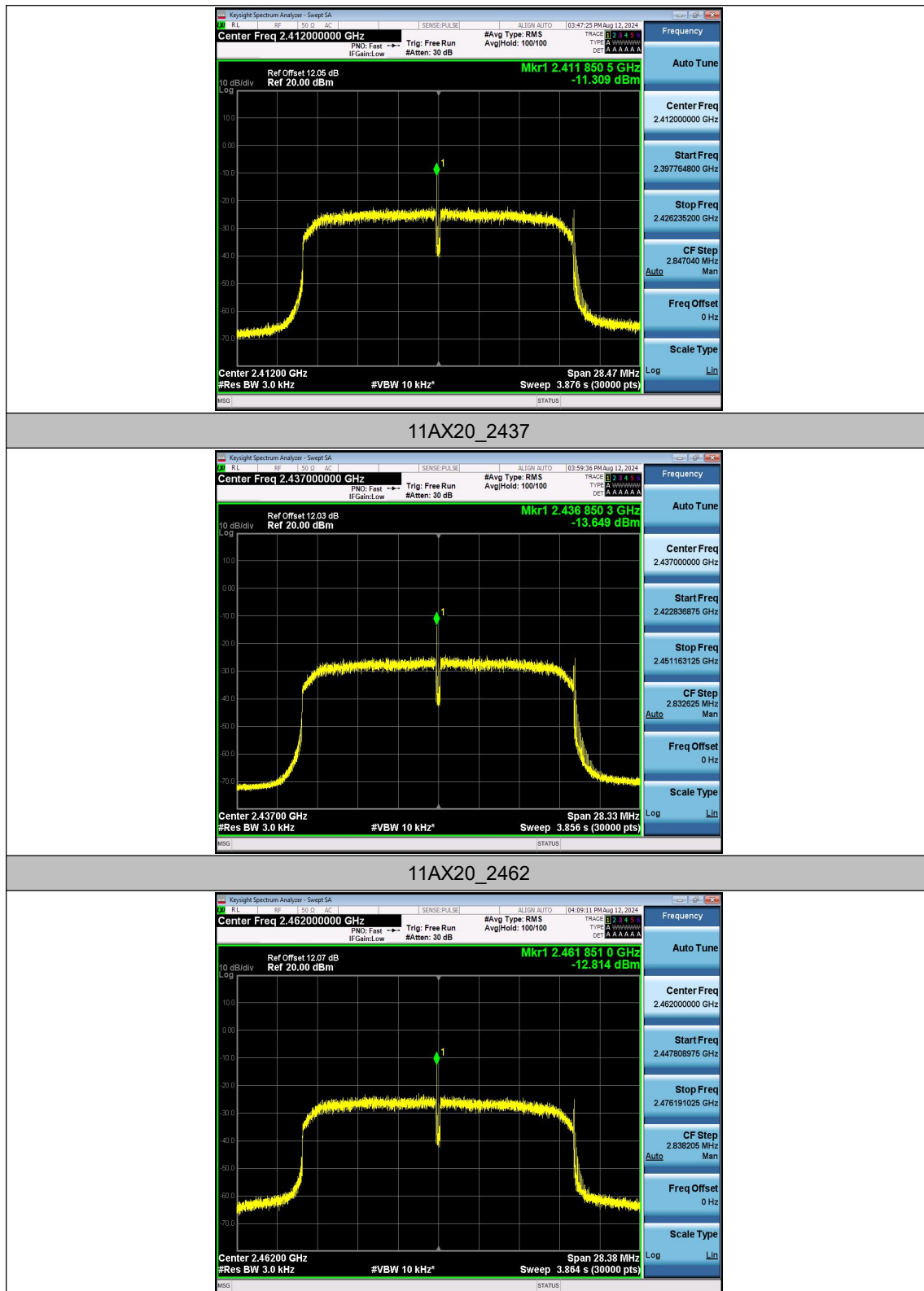








Appendix D: Band edge measurements

Reference level measurement

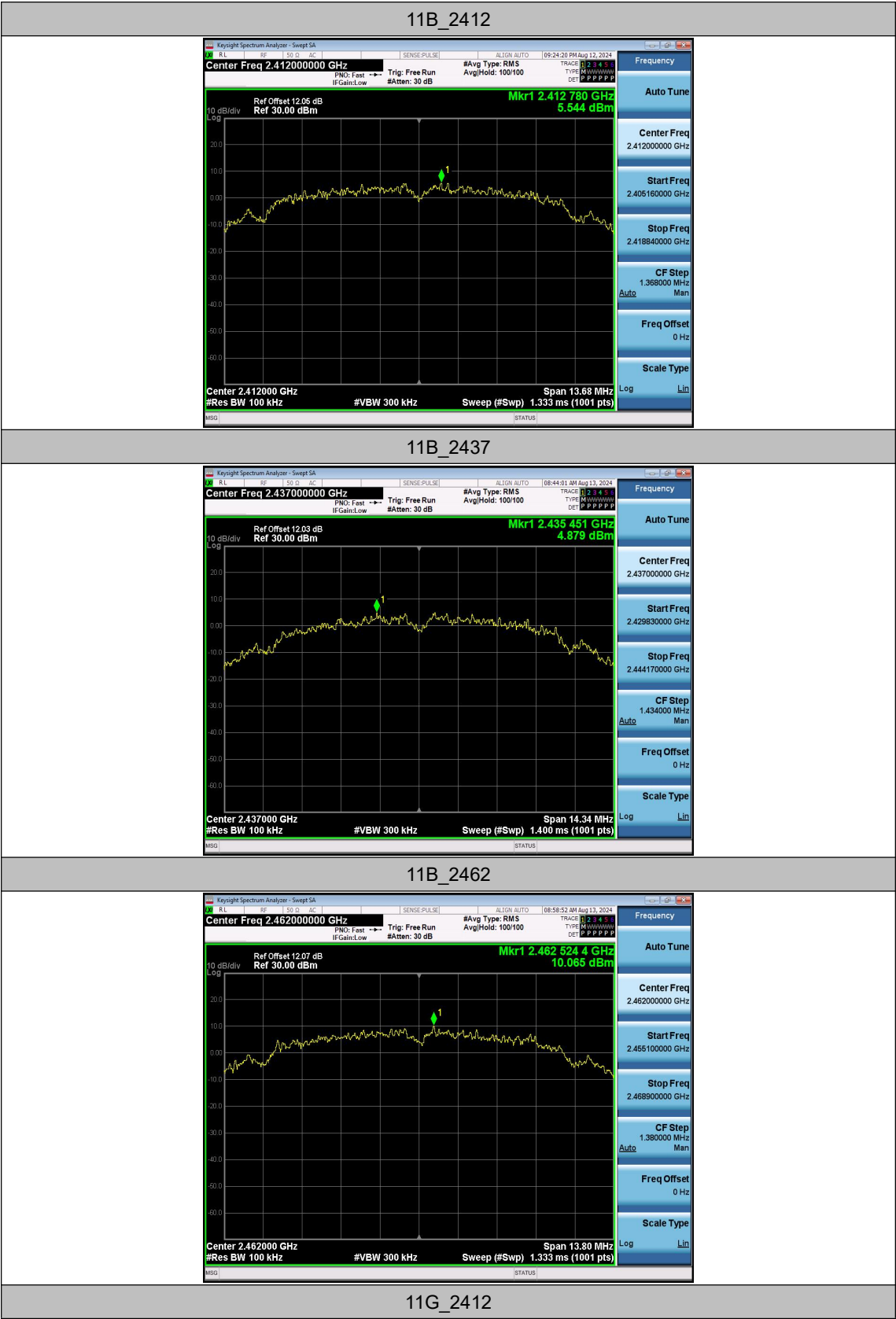
Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Onboard PCB antenna	2412	2412.78	5.54
		2437	2435.45	4.88
		2462	2462.52	10.07
11G	Onboard PCB antenna	2412	2407.03	-0.34
		2437	2438.20	-3.59
		2462	2454.52	2.36
11N20	Onboard PCB antenna	2412	2410.75	-2.47
		2437	2438.31	-2.05
		2462	2459.50	1.13
11N40	Onboard PCB antenna	2422	2414.50	-4.39
		2437	2434.53	-4.56
		2452	2449.51	-2.26
11AX20	Onboard PCB antenna	2412	2413.26	-0.28
		2437	2435.75	-2.06
		2462	2458.25	1.53

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	External PCB antenna	2412	2411.48	8.15
		2437	2436.49	5.98
		2462	2462.49	7.52
11G	External PCB antenna	2412	2412.62	-0.63
		2437	2432.01	-0.83
		2462	2463.28	1.40
11N20	External PCB antenna	2412	2413.24	1.03
		2437	2433.22	-2.23
		2462	2463.25	0.09
11N40	External PCB antenna	2422	2428.29	-3.75
		2437	2440.78	-4.45
		2452	2457.01	-3.60
11AX20	External PCB antenna	2412	2406.99	0.07
		2437	2434.79	-2.99
		2462	2460.76	-0.56

Test Graphs

Onboard PCB antenna



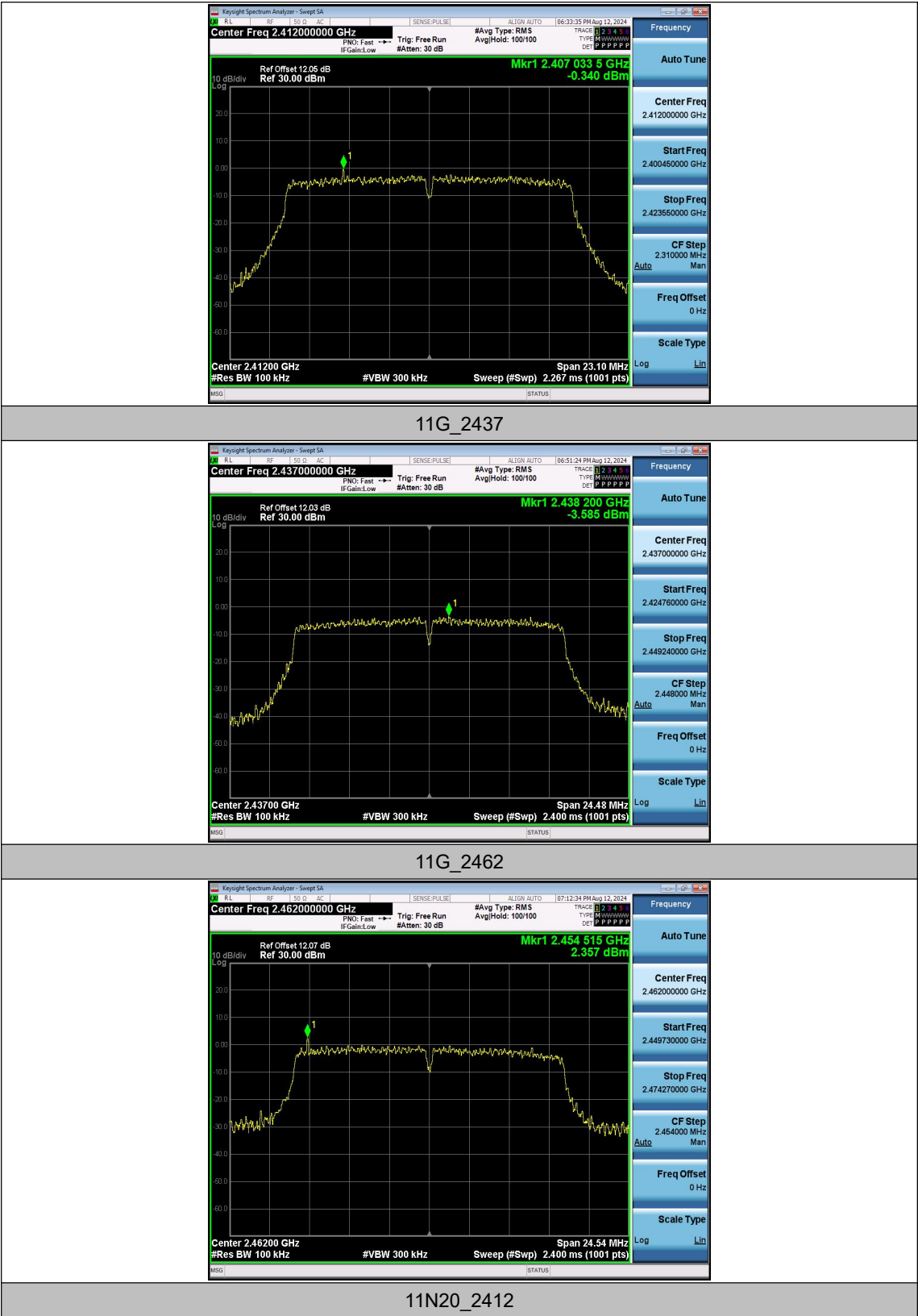
11B_2437

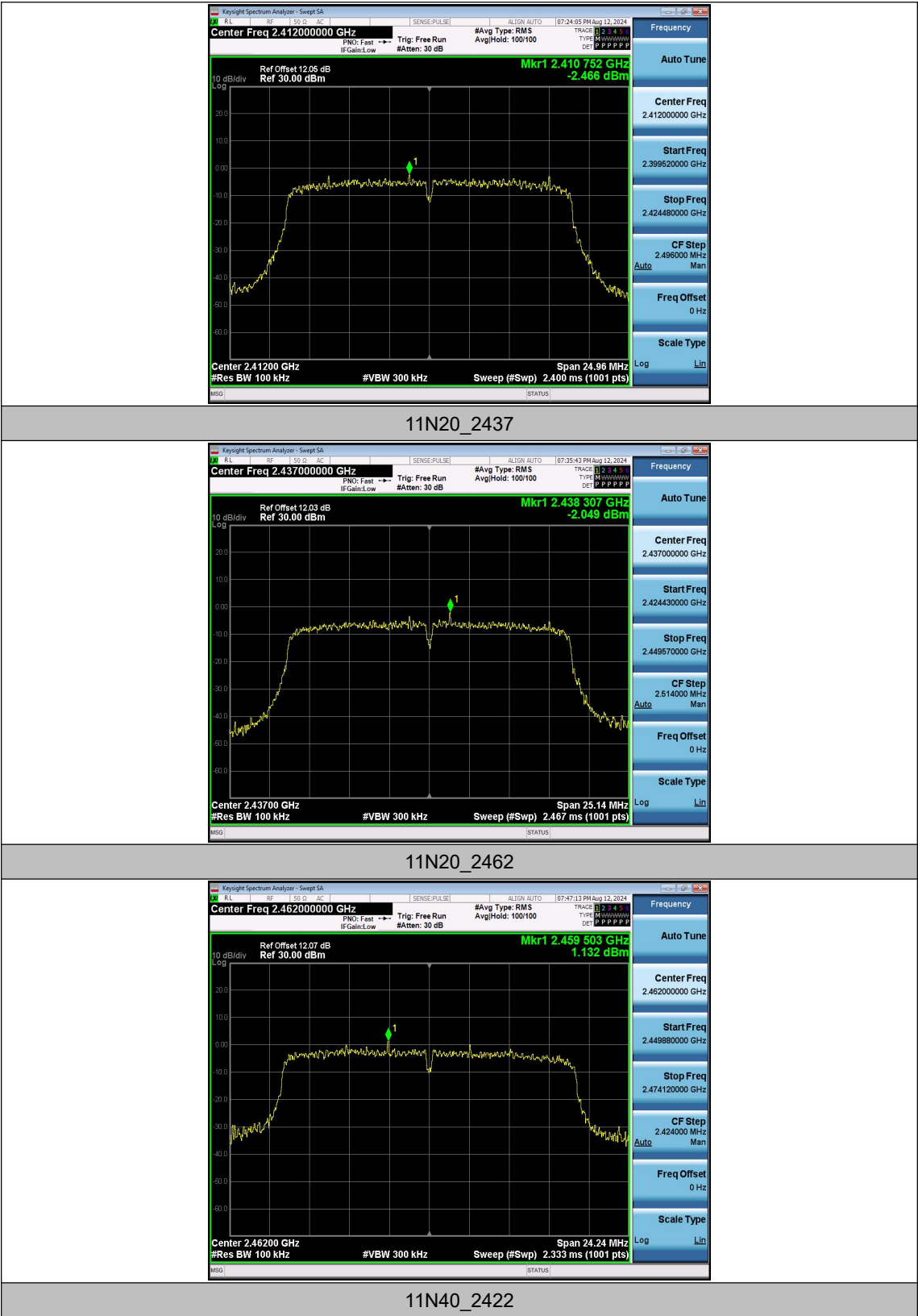
Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.429630000 GHz
Stop Freq 2.444170000 GHz
CF Step 1.434000 MHz
Auto
Freq Offset 0 Hz
Scale Type Log

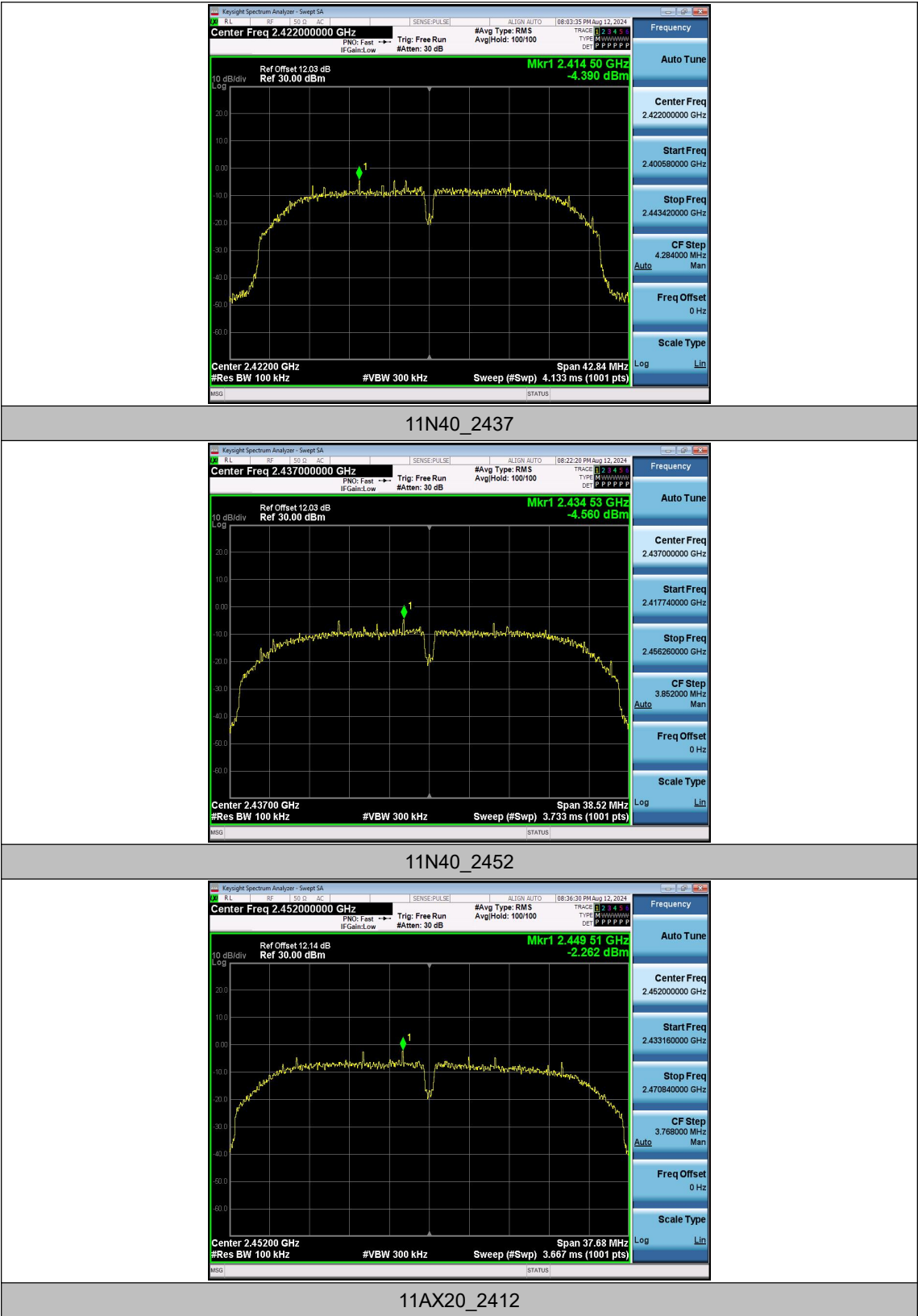
11B_2462

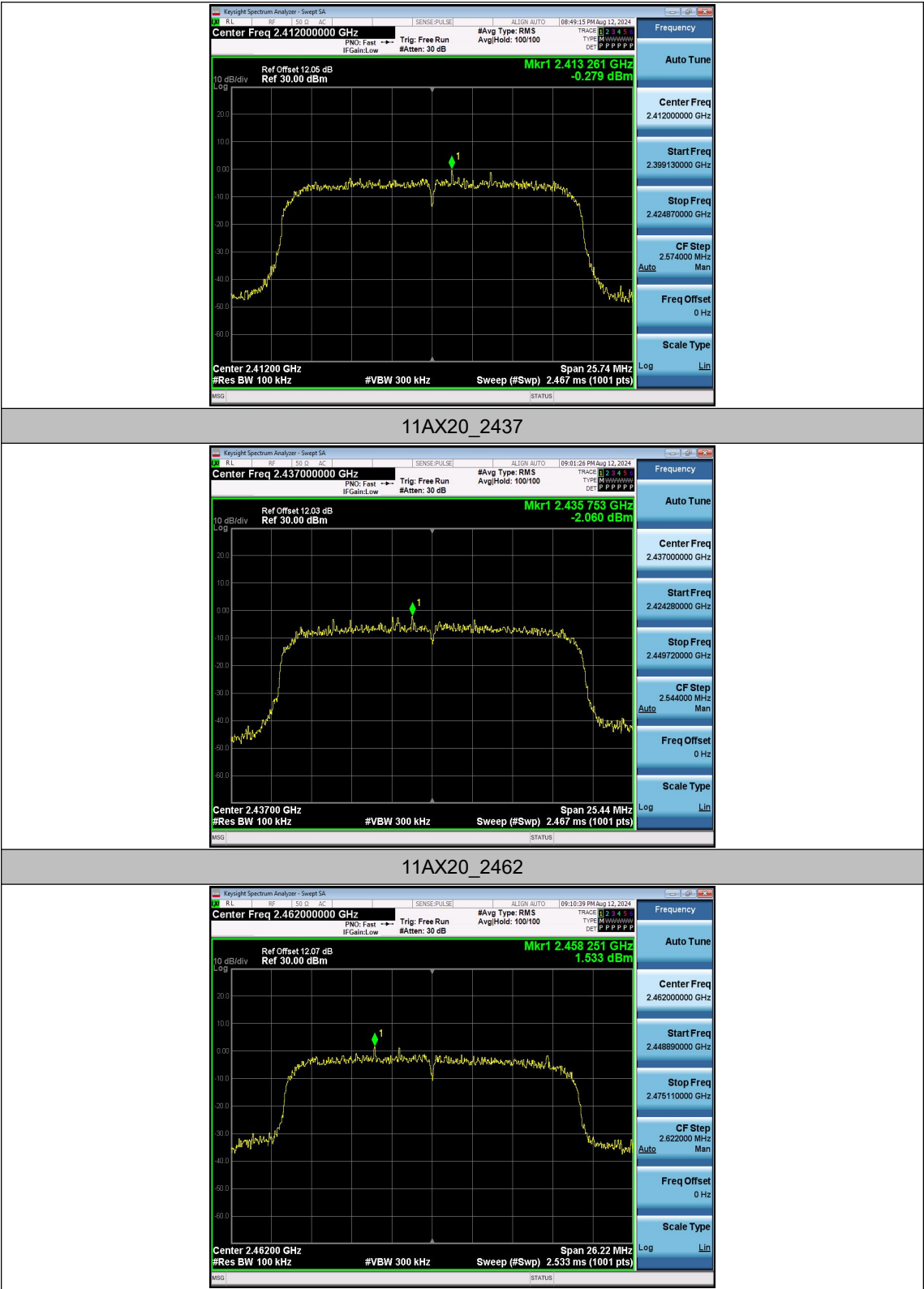
Frequency
Auto Tune
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Start Freq 2.455100000 GHz
Stop Freq 2.468900000 GHz
CF Step 1.380000 MHz
Auto
Freq Offset 0 Hz
Scale Type Log

11G_2412

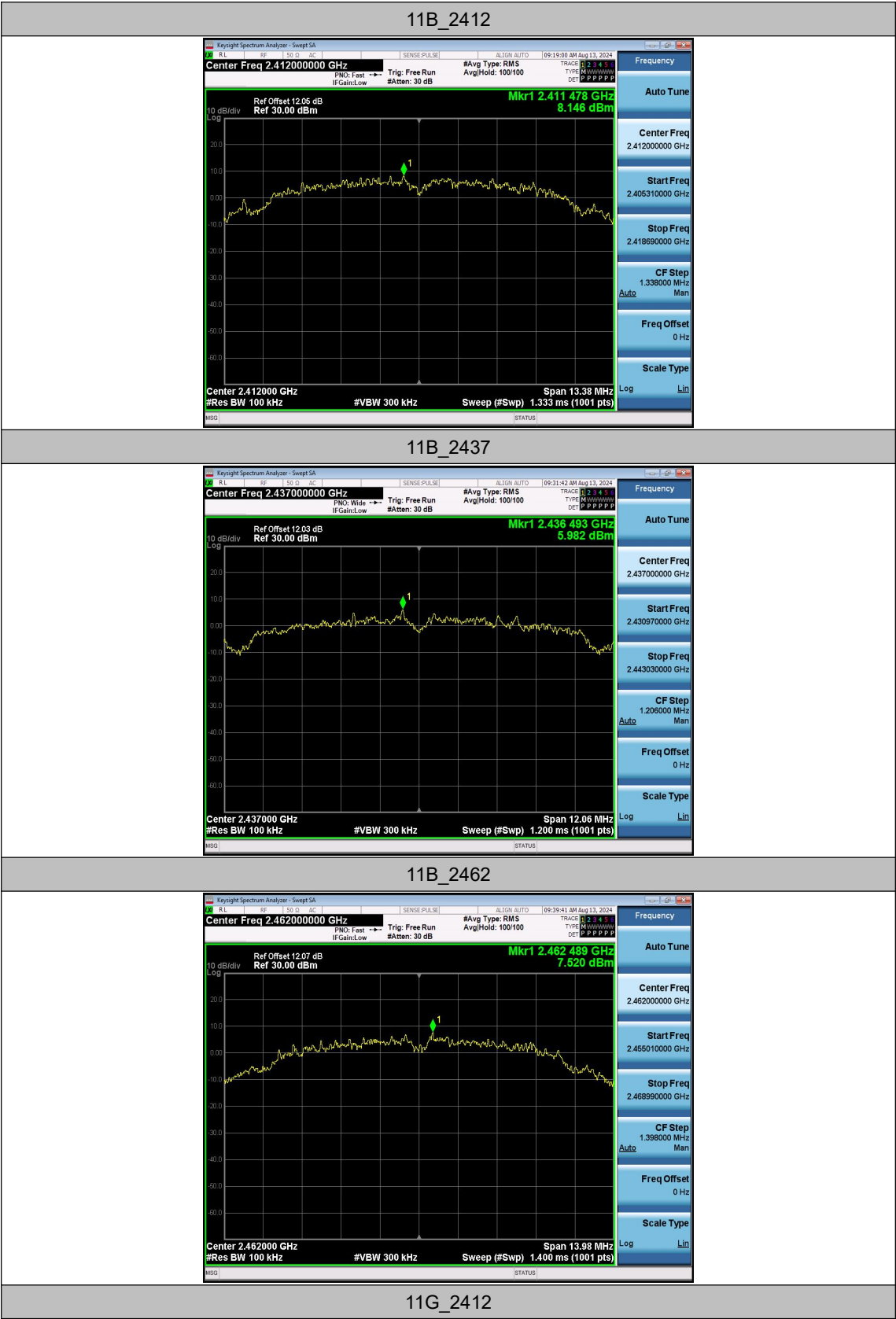


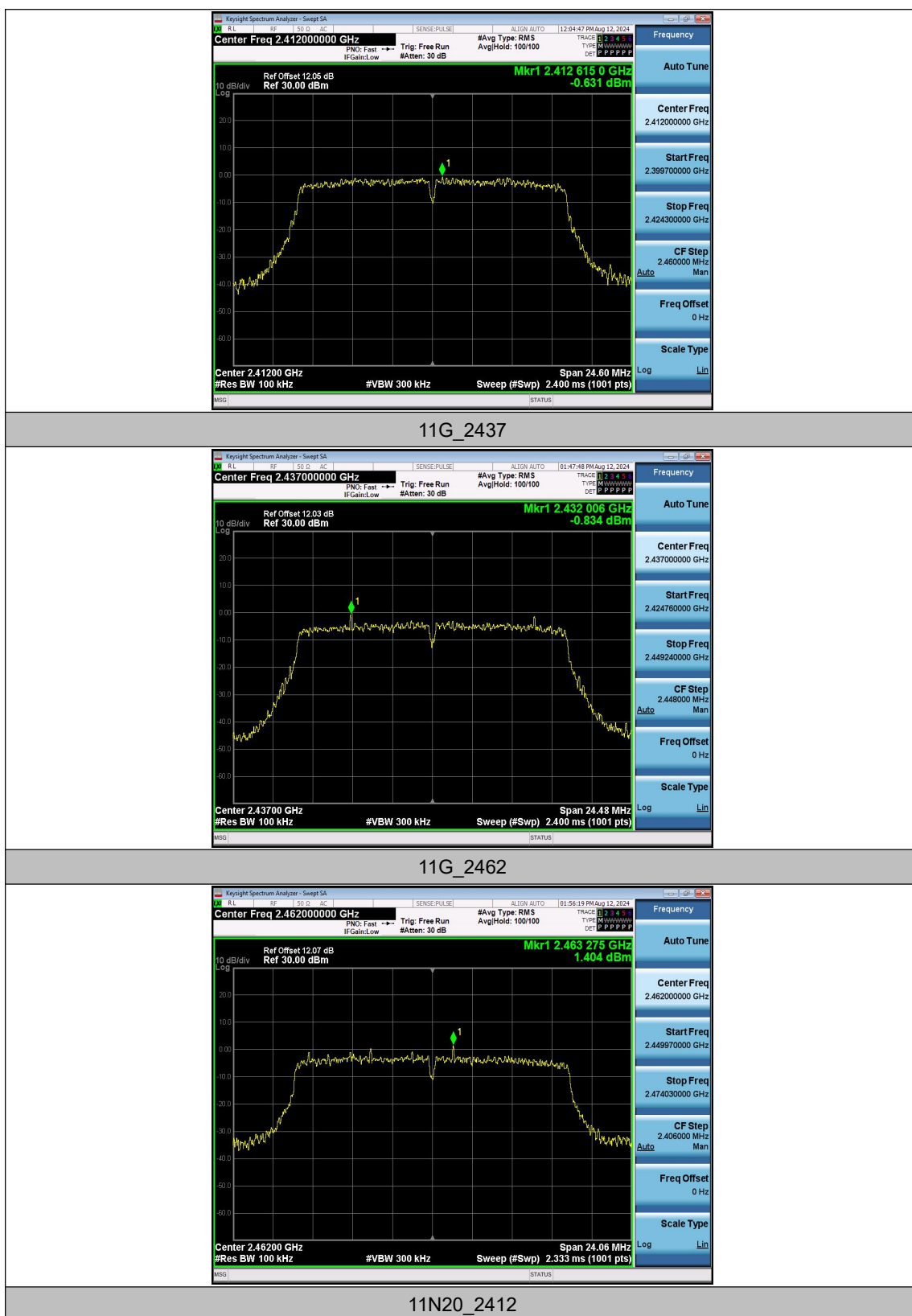


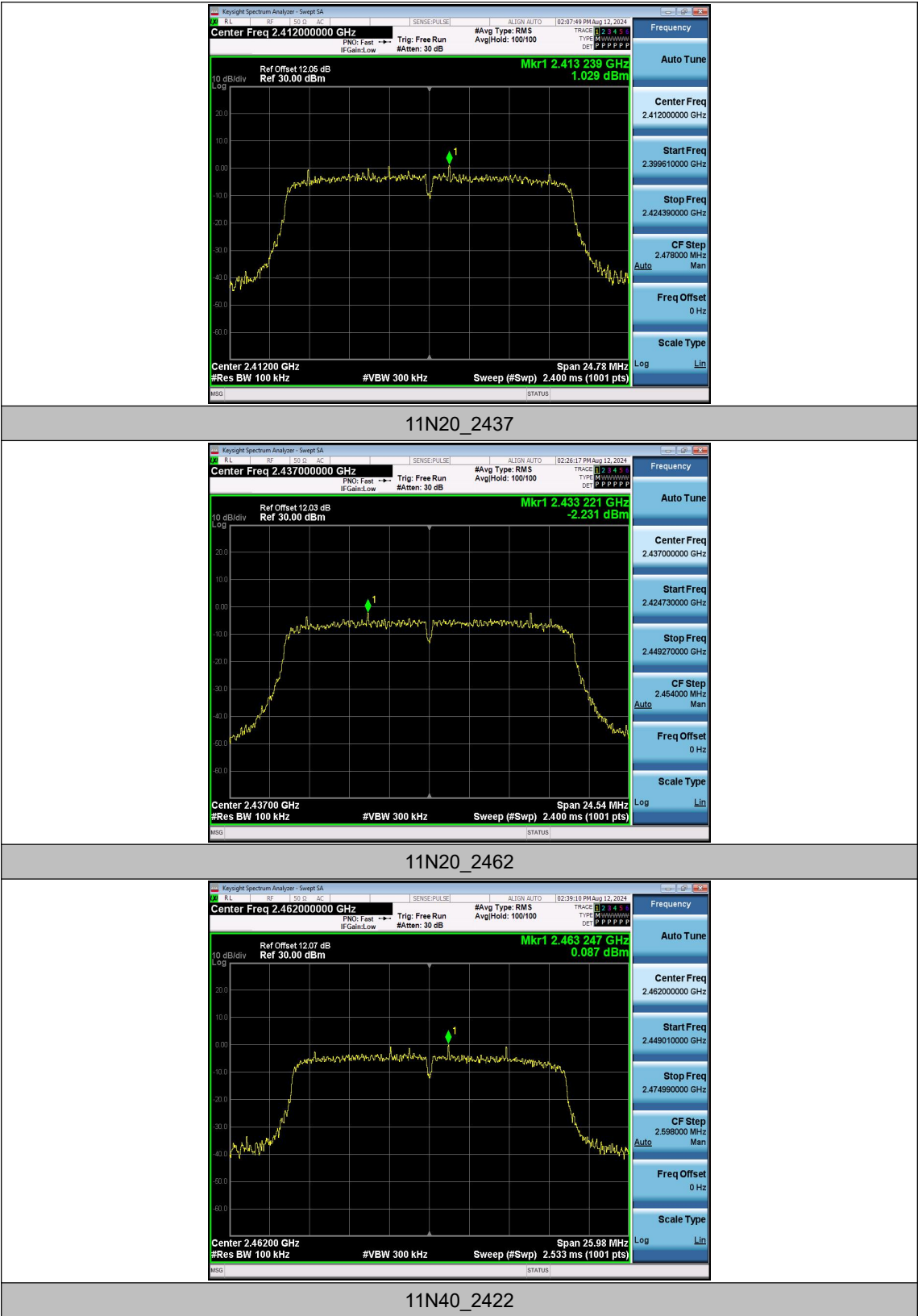


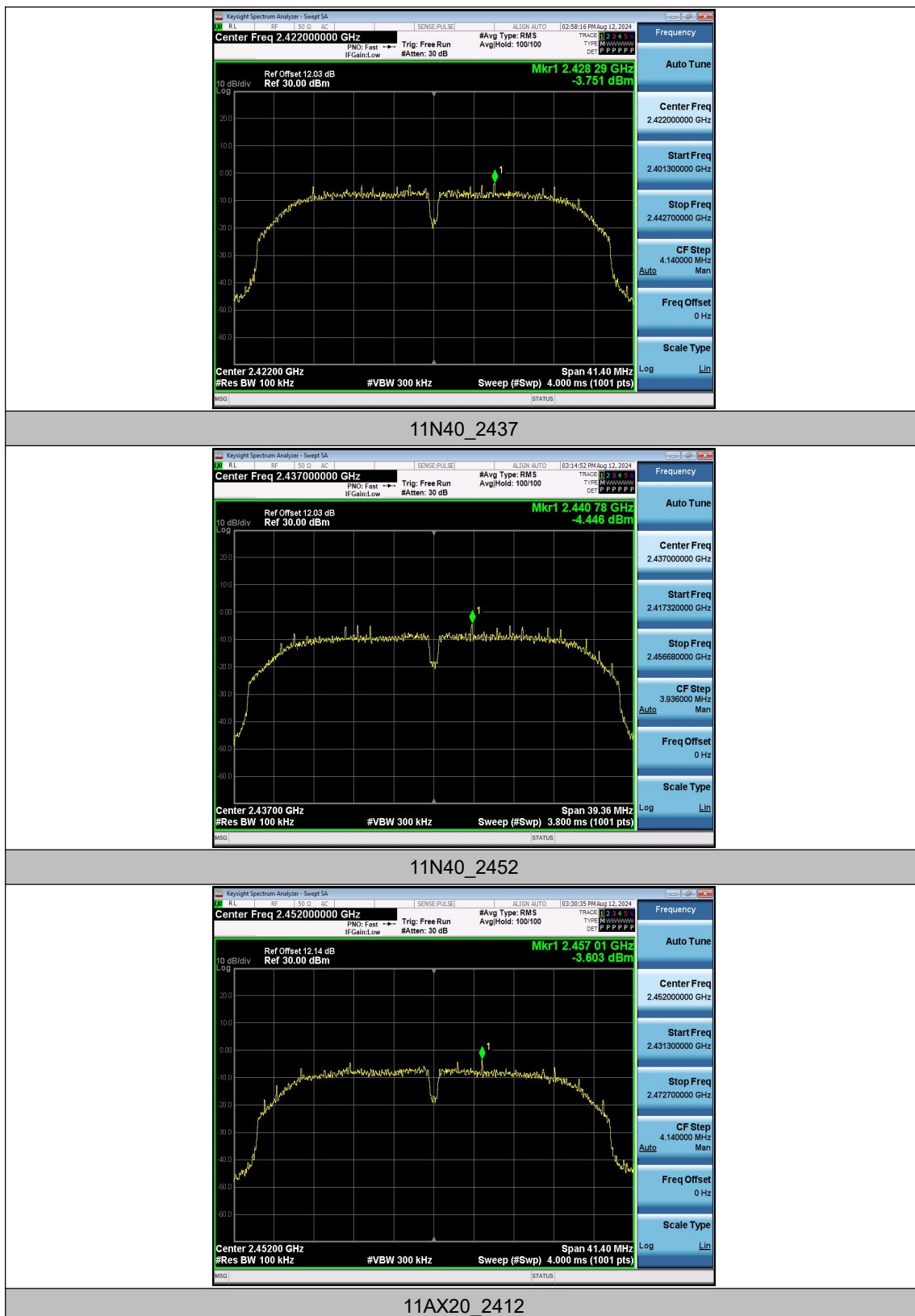


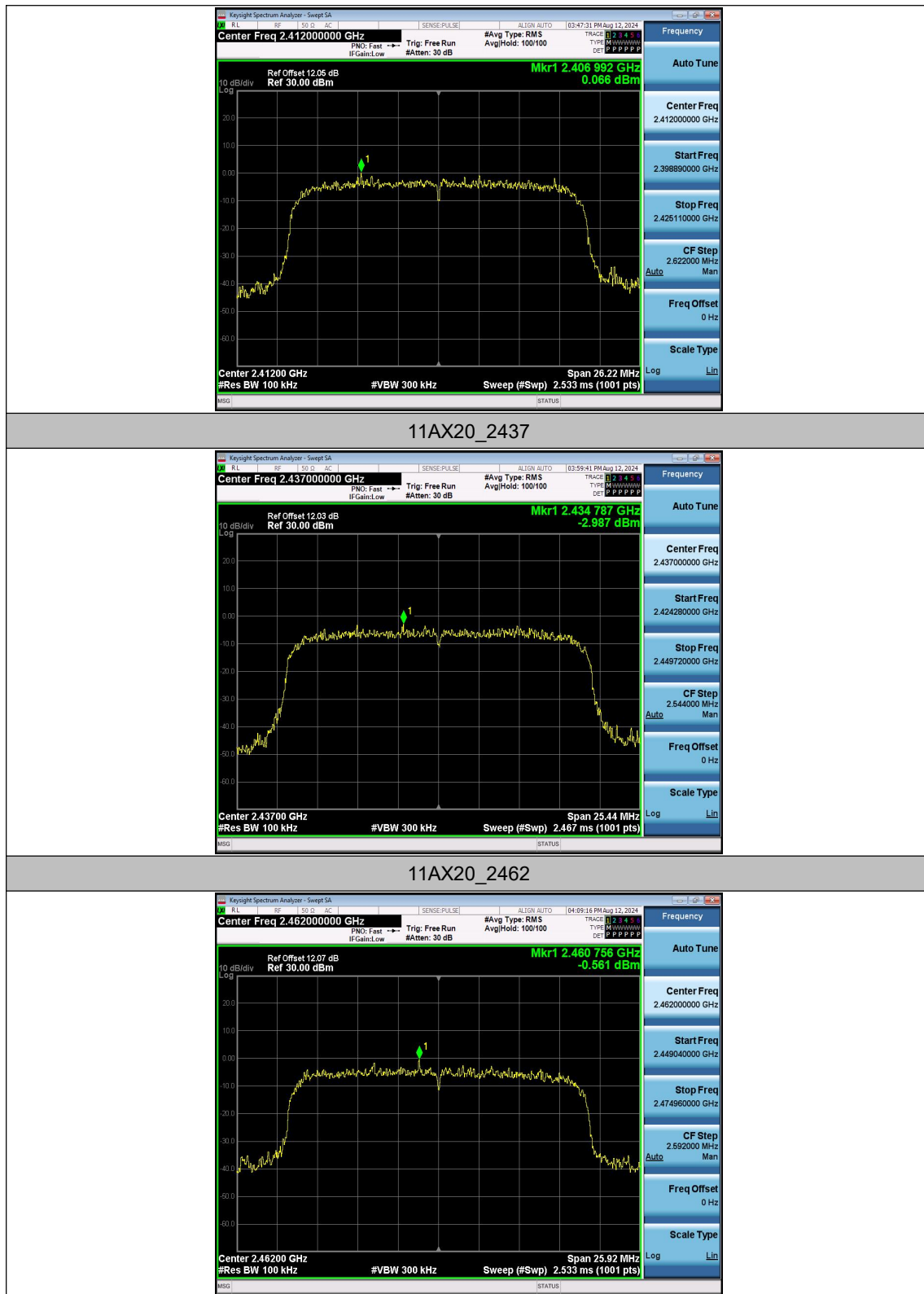
External PCB antenna











Band edge measurements**Test Result**

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Onboard PCB antenna	Low	2412	5.54	-45.16	≤-24.46	PASS
		High	2462	10.07	-44.28	≤-19.93	PASS
11G	Onboard PCB antenna	Low	2412	-0.34	-41.91	≤-30.34	PASS
		High	2462	2.36	-40.62	≤-27.64	PASS
11N20	Onboard PCB antenna	Low	2412	-2.47	-43.58	≤-32.47	PASS
		High	2462	1.13	-42.6	≤-28.87	PASS
11N40	Onboard PCB antenna	Low	2422	-4.39	-46.05	≤-34.39	PASS
		High	2452	-2.26	-44.39	≤-32.26	PASS
11AX20	Onboard PCB antenna	Low	2412	-0.28	-42.79	≤-30.28	PASS
		High	2462	1.53	-42.69	≤-28.47	PASS

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	External PCB antenna	Low	2412	8.15	-40.05	≤-21.85	PASS
		High	2462	7.52	-45.37	≤-22.48	PASS
11G	External PCB antenna	Low	2412	-0.63	-36.82	≤-30.63	PASS
		High	2462	1.40	-44.85	≤-28.6	PASS
11N20	External PCB antenna	Low	2412	1.03	-39.25	≤-28.97	PASS
		High	2462	0.09	-46.06	≤-29.91	PASS
11N40	External PCB antenna	Low	2422	-3.75	-42.84	≤-33.75	PASS
		High	2452	-3.60	-46.6	≤-33.6	PASS
11AX20	External PCB antenna	Low	2412	0.07	-38.95	≤-29.93	PASS
		High	2462	-0.56	-45.53	≤-30.56	PASS

Test Graphs

Onboard PCB antenna

