

Appendix B

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Electric Stove

Test Model: FP201R

Environmental Conditions

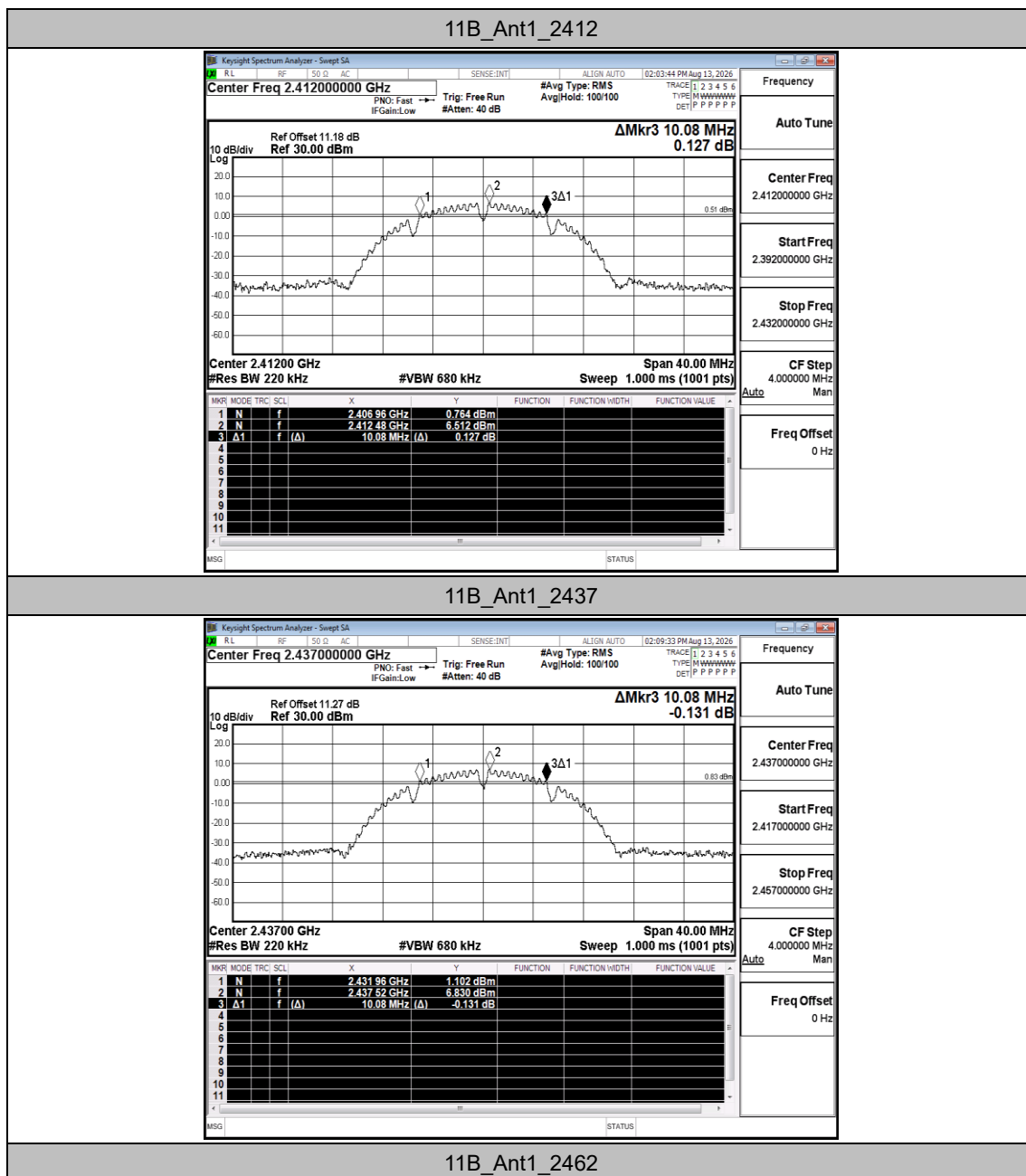
Temperature:	23.4°C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

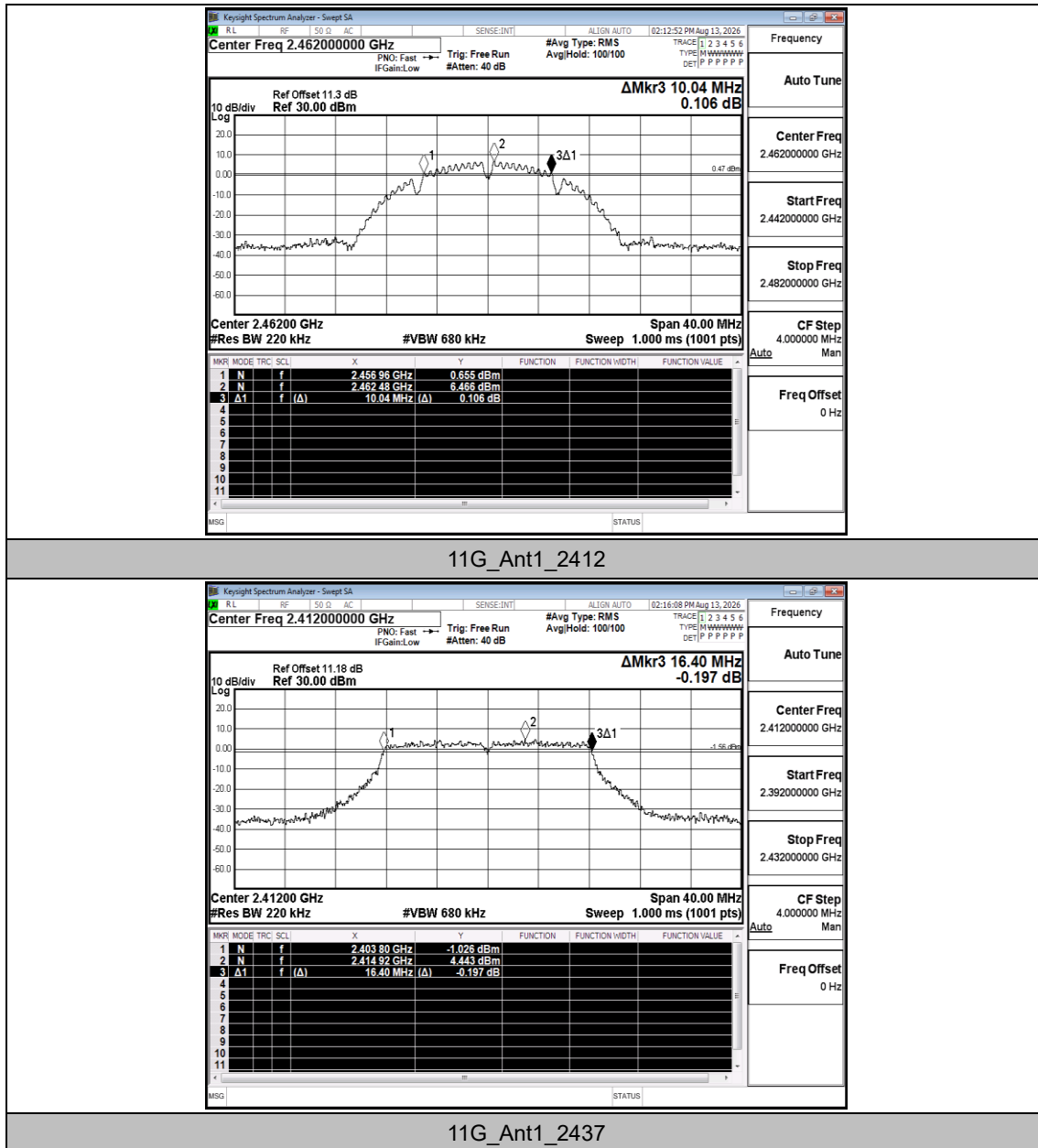
B.1 6dB Bandwidth

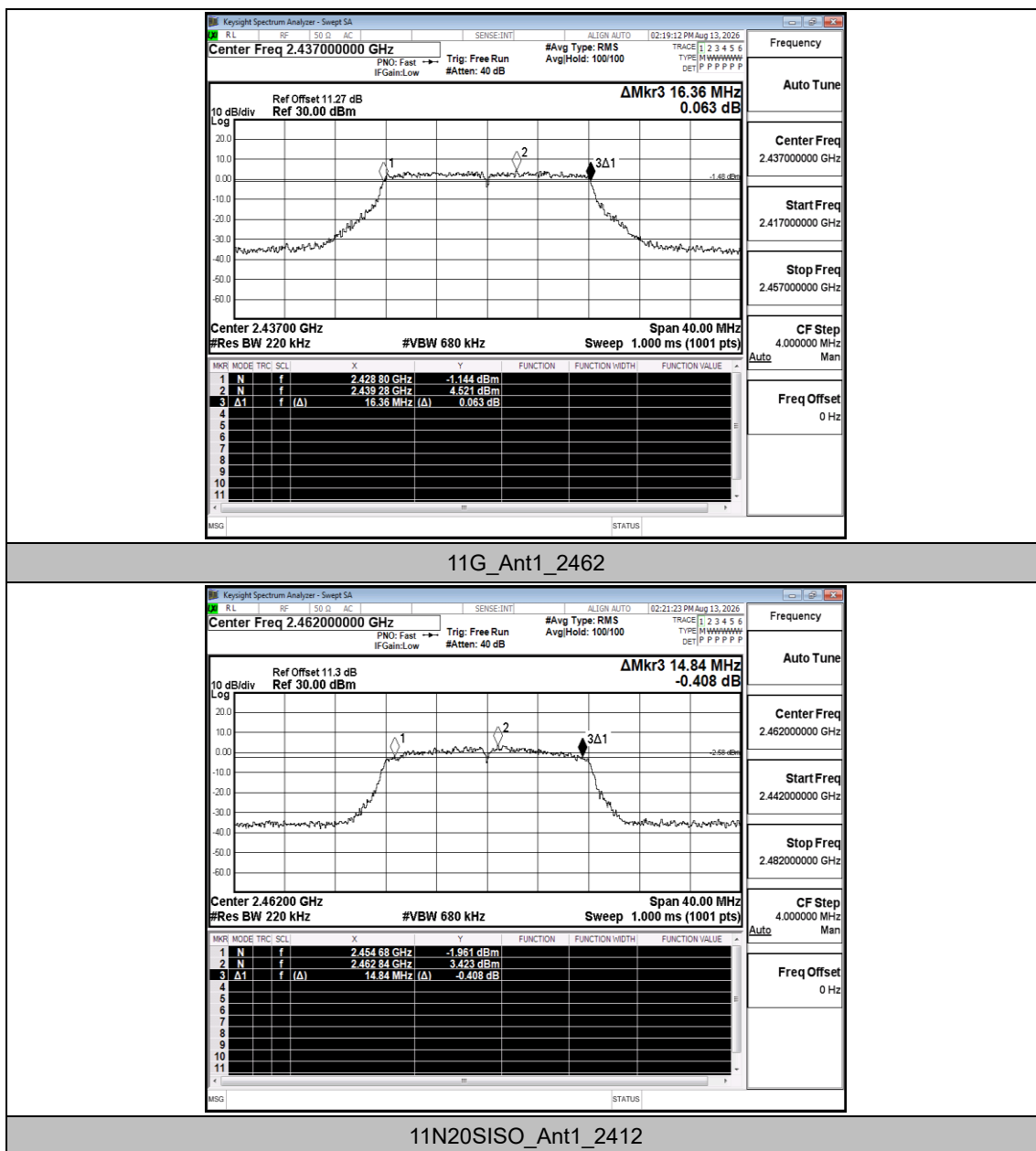
Test Result

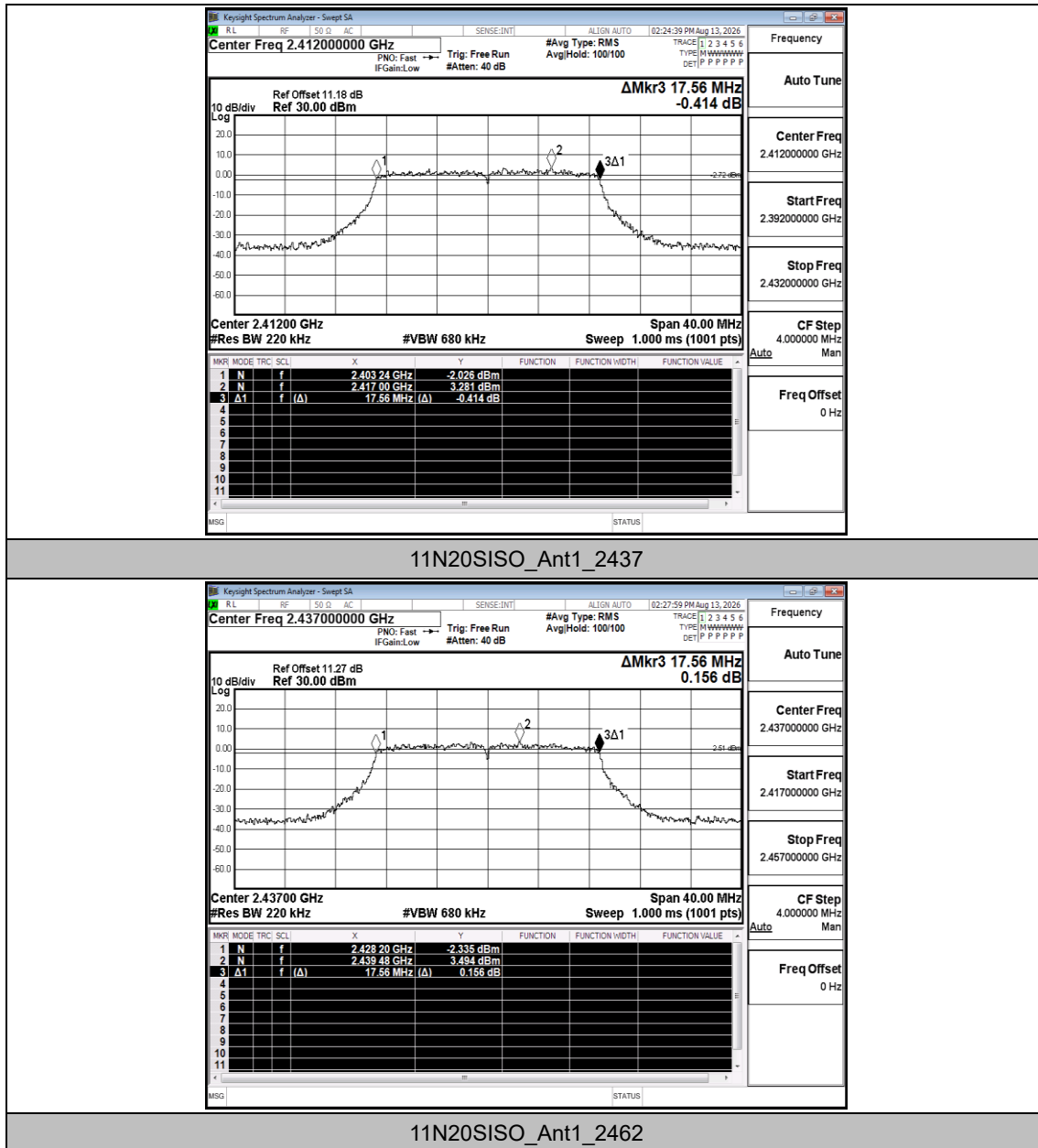
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	14.840	2454.680	2469.520	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	0.5	PASS
		2437	17.560	2428.200	2445.760	0.5	PASS
		2462	16.360	2453.880	2470.240	0.5	PASS

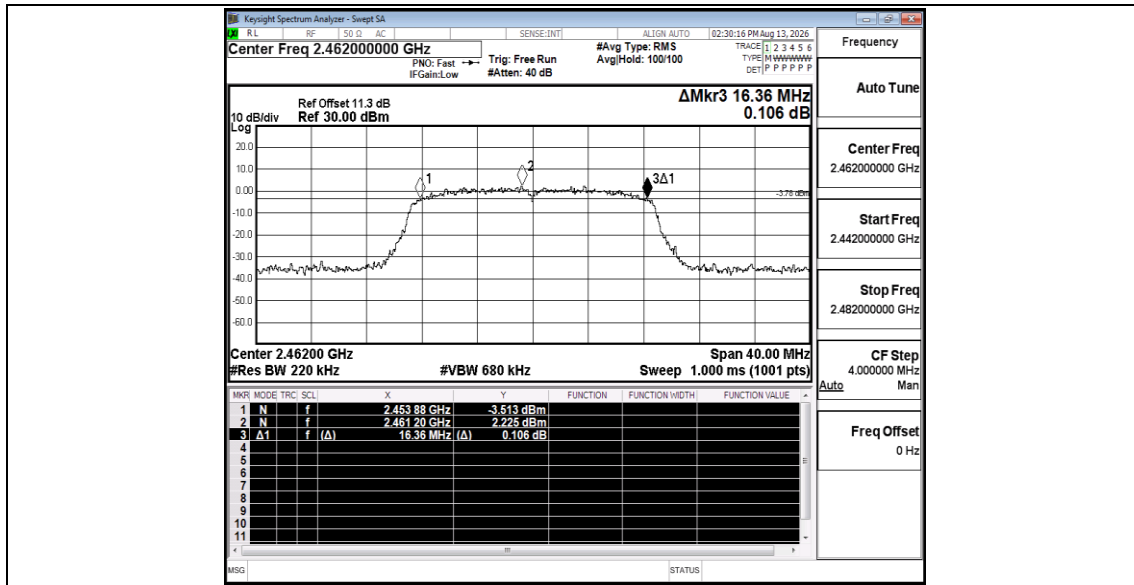
Test Graphs











B.2 Maximum Average conducted output power

Test Result

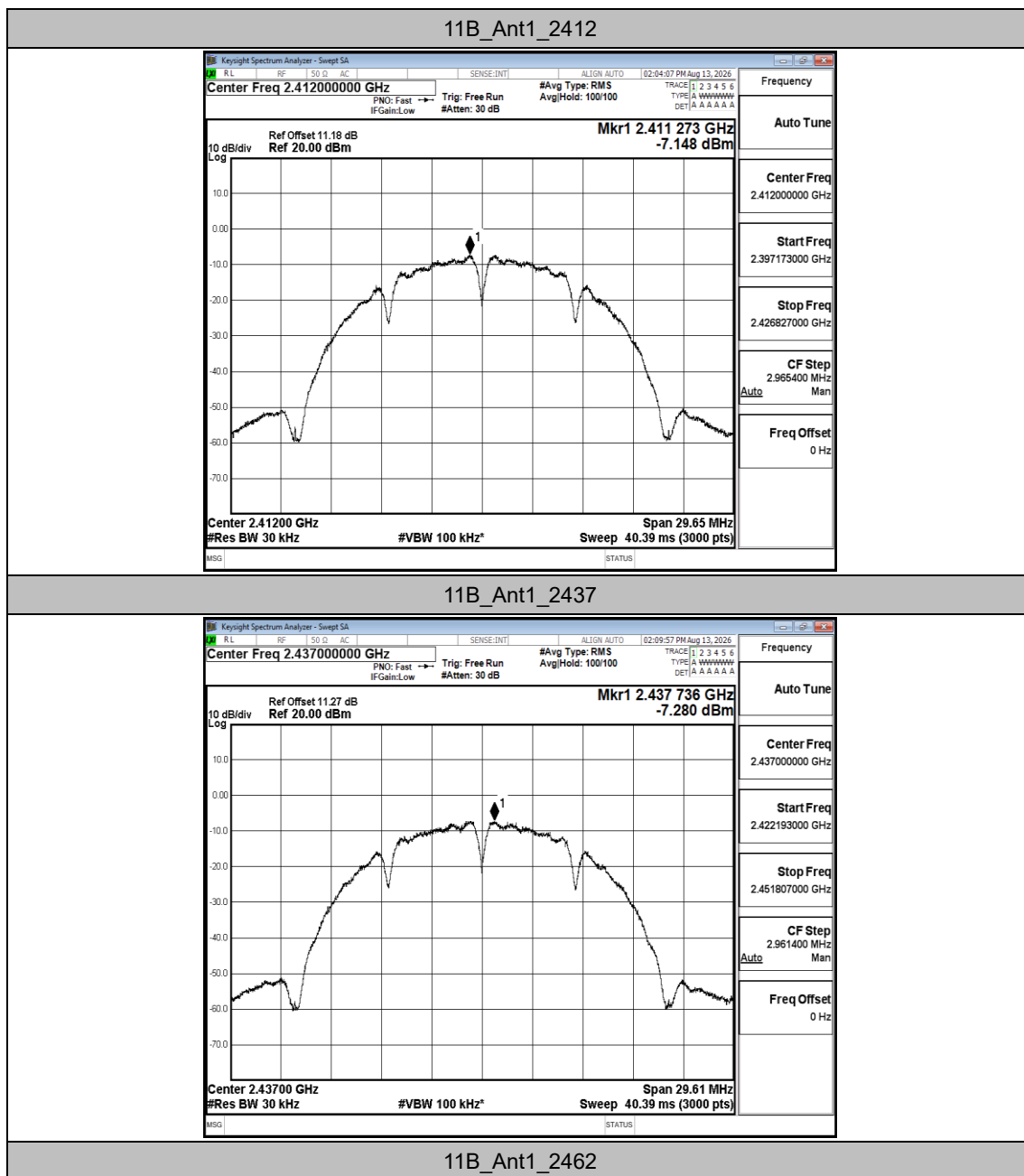
TestMode	Antenna	Frequency [MHz]	Measured Power	DC Factor [dB]	AV Power [dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	13.96	0.04	14.00	≤30.00	PASS
		2437	12.43	0.05	12.48	≤30.00	PASS
		2462	13.64	0.05	13.69	≤30.00	PASS
11G	Ant1	2412	14.42	0.27	14.69	≤30.00	PASS
		2437	14.40	0.26	14.66	≤30.00	PASS
		2462	11.97	0.26	12.23	≤30.00	PASS
11N20SISO	Ant1	2412	13.36	0.28	13.64	≤30.00	PASS
		2437	13.59	0.28	13.87	≤30.00	PASS
		2462	11.70	0.28	11.98	≤30.00	PASS

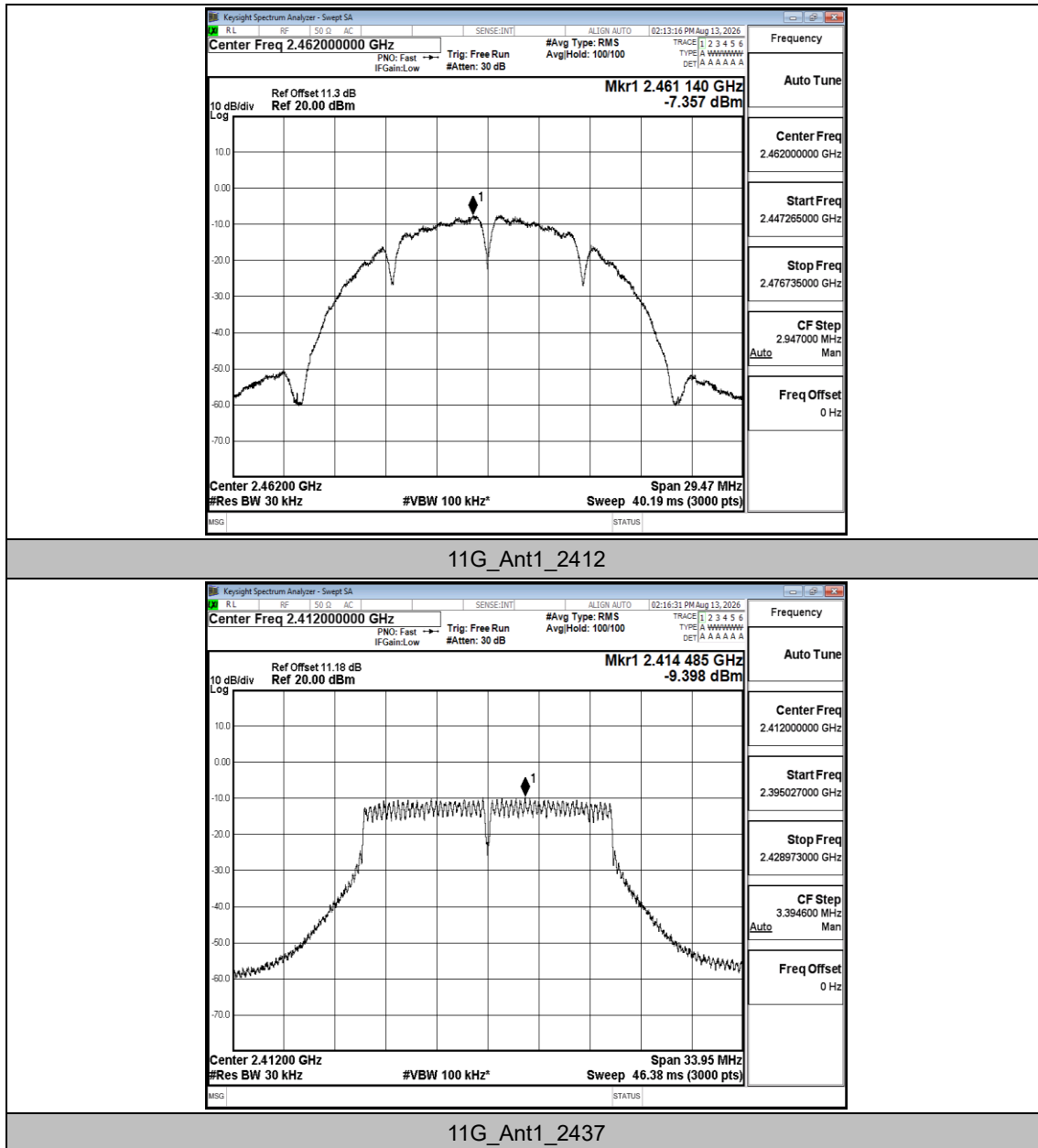
B.3 Maximum power spectral density

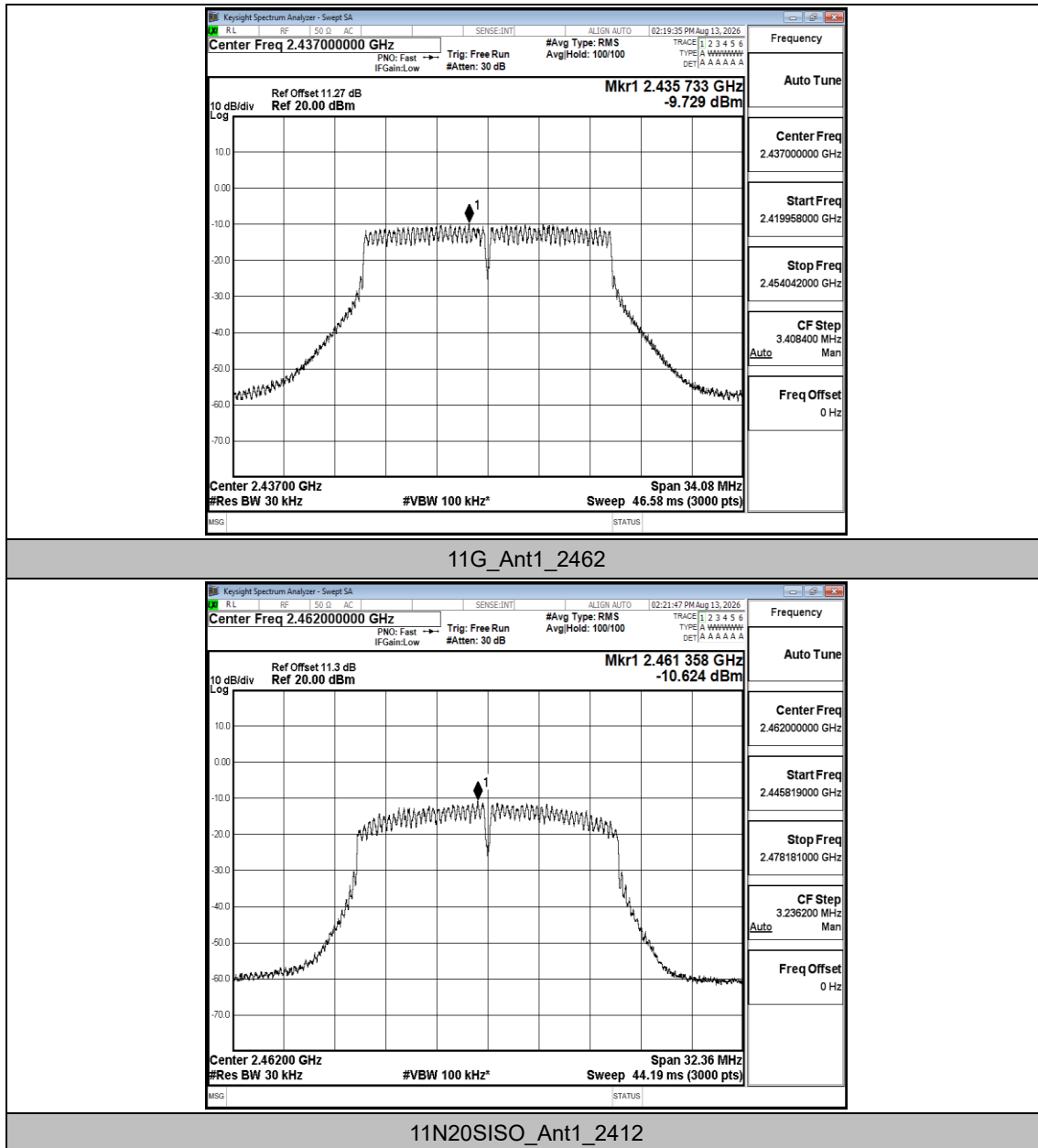
Test Result

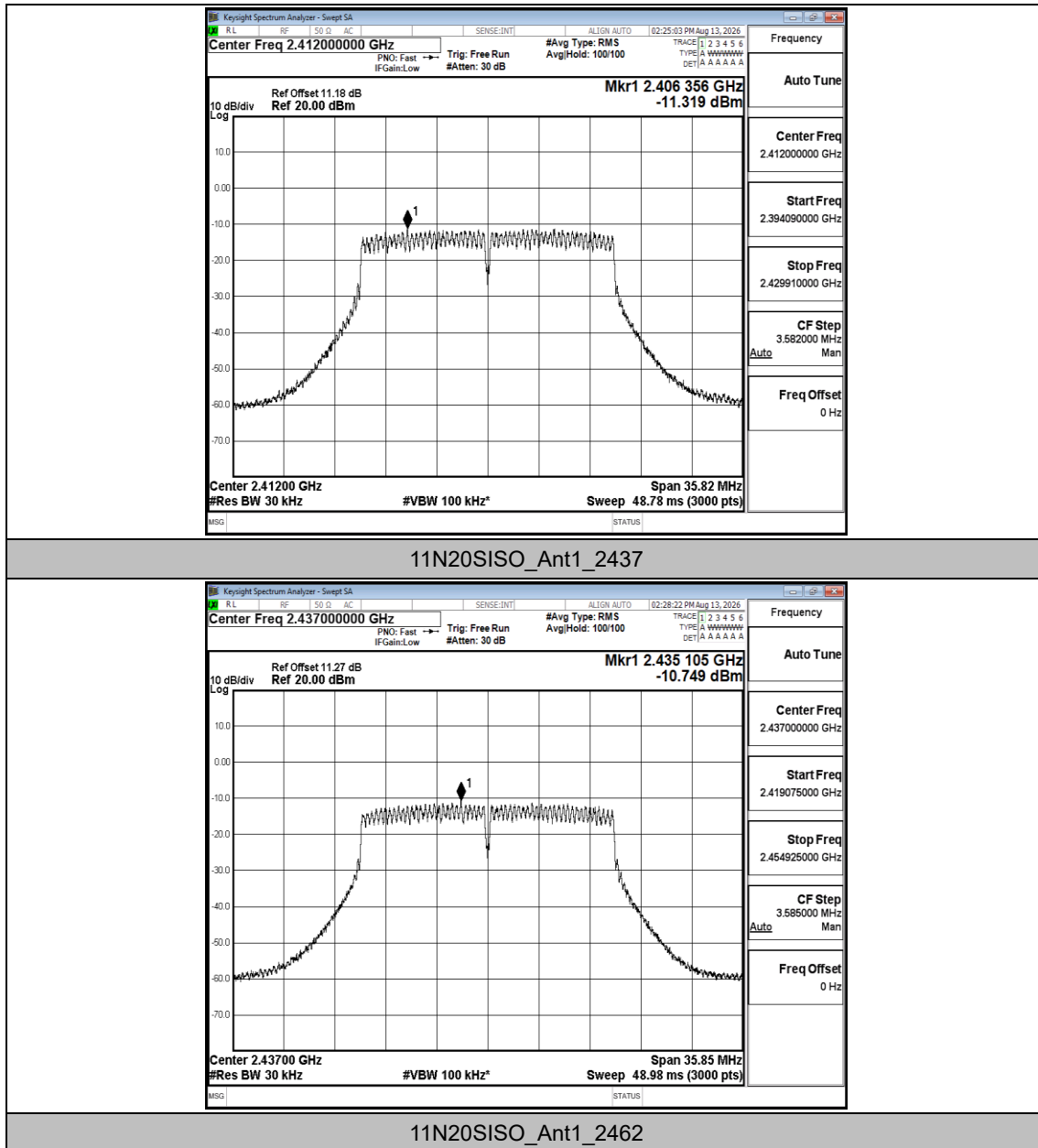
TestMode	Antenna	Frequency [MHz]	Measured PSD [dBm/30kHz]	DC Factor [dB]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-7.15	0.04	-7.11	-17.11	≤8.00	PASS
		2437	-7.28	0.05	-7.23	-17.23	≤8.00	PASS
		2462	-7.36	0.05	-7.31	-17.31	≤8.00	PASS
11G	Ant1	2412	-9.4	0.27	-9.13	-19.13	≤8.00	PASS
		2437	-9.73	0.26	-9.47	-19.47	≤8.00	PASS
		2462	-10.62	0.26	-10.36	-20.36	≤8.00	PASS
11N20SISO	Ant1	2412	-11.32	0.28	-11.04	-21.04	≤8.00	PASS
		2437	-10.75	0.28	-10.47	-20.47	≤8.00	PASS
		2462	-11.86	0.28	-11.58	-21.58	≤8.00	PASS

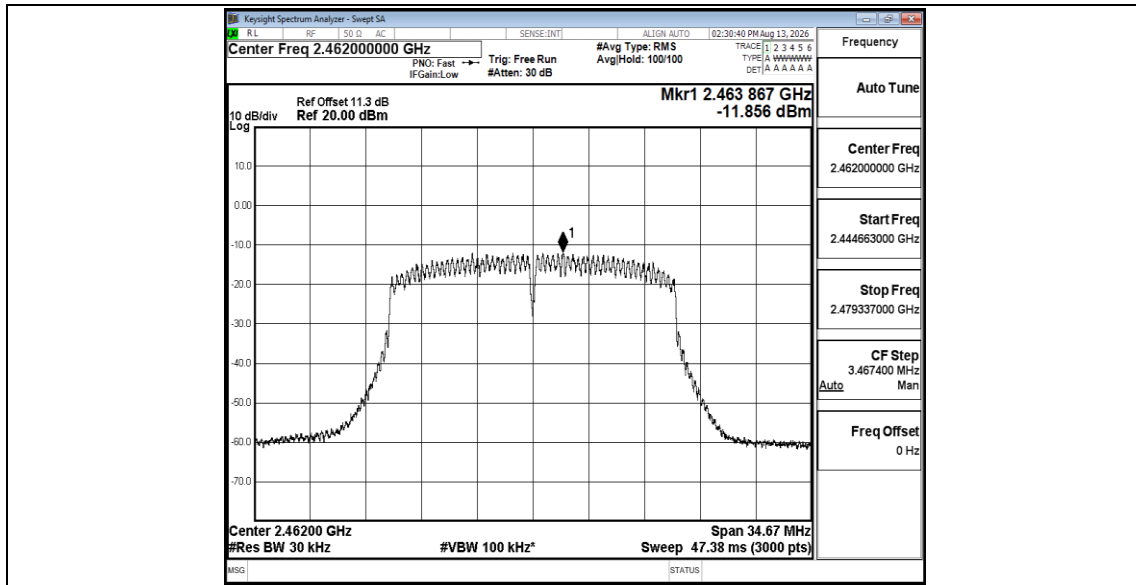
Test Graphs









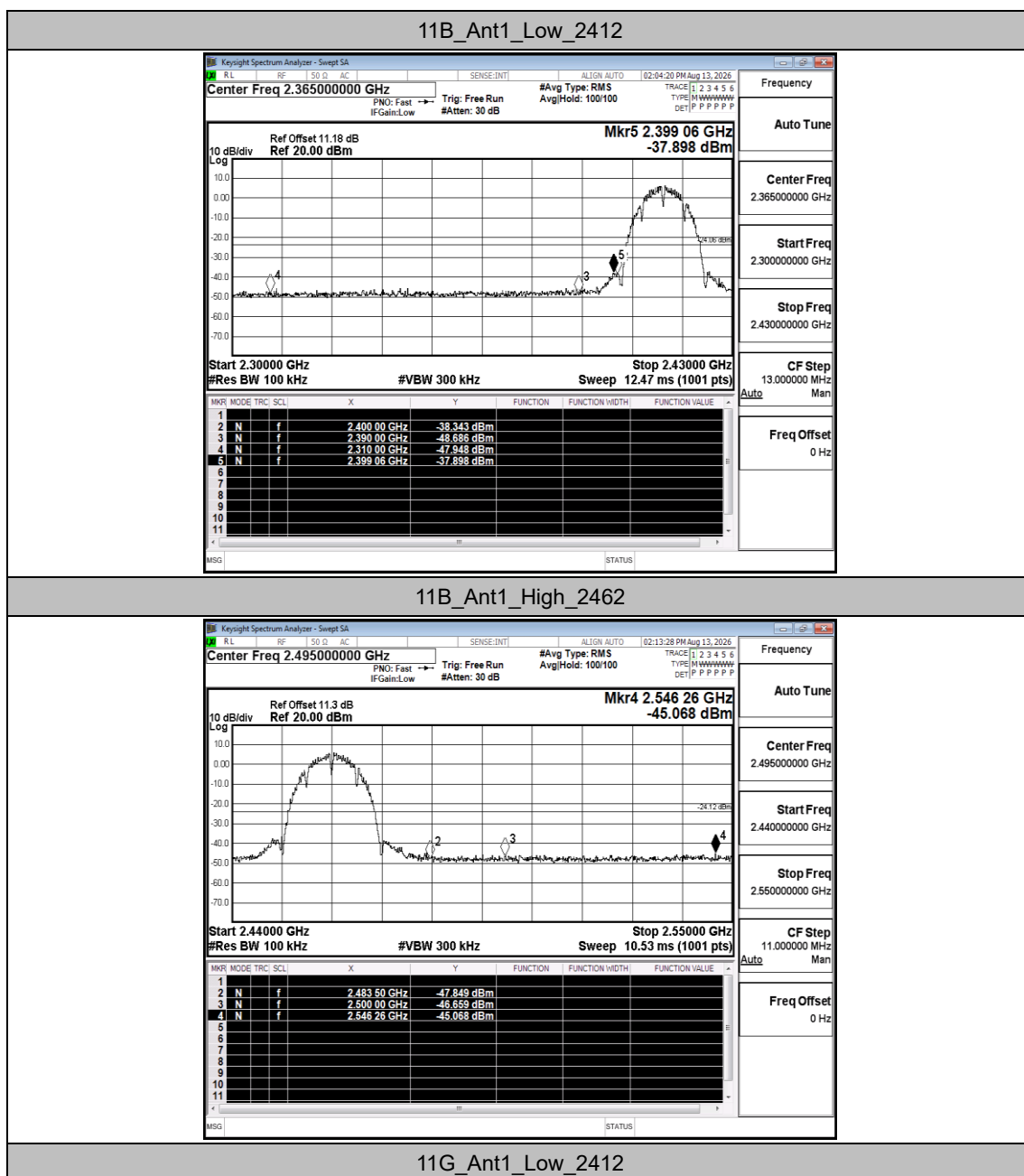


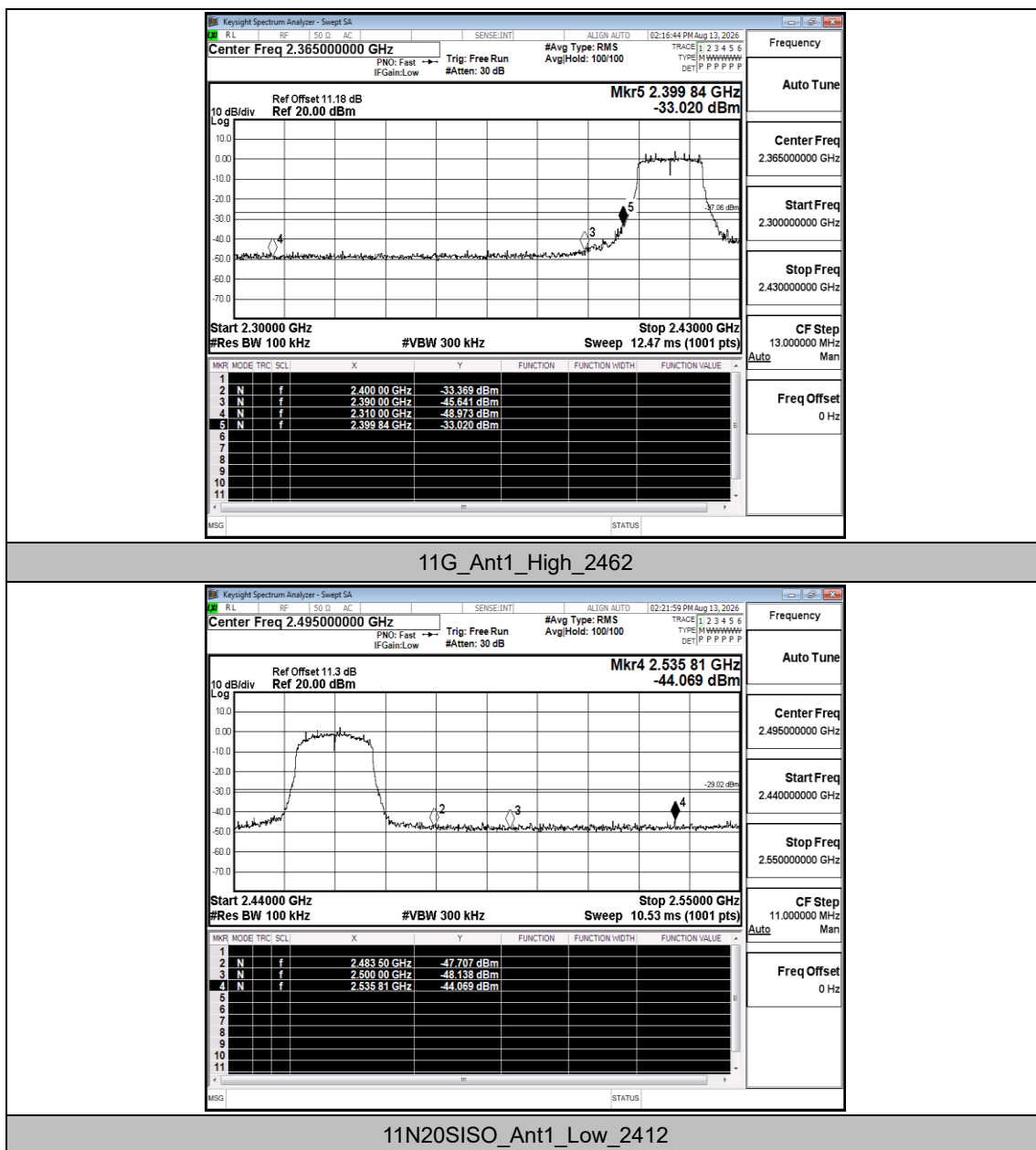
B.4 Band edge measurements

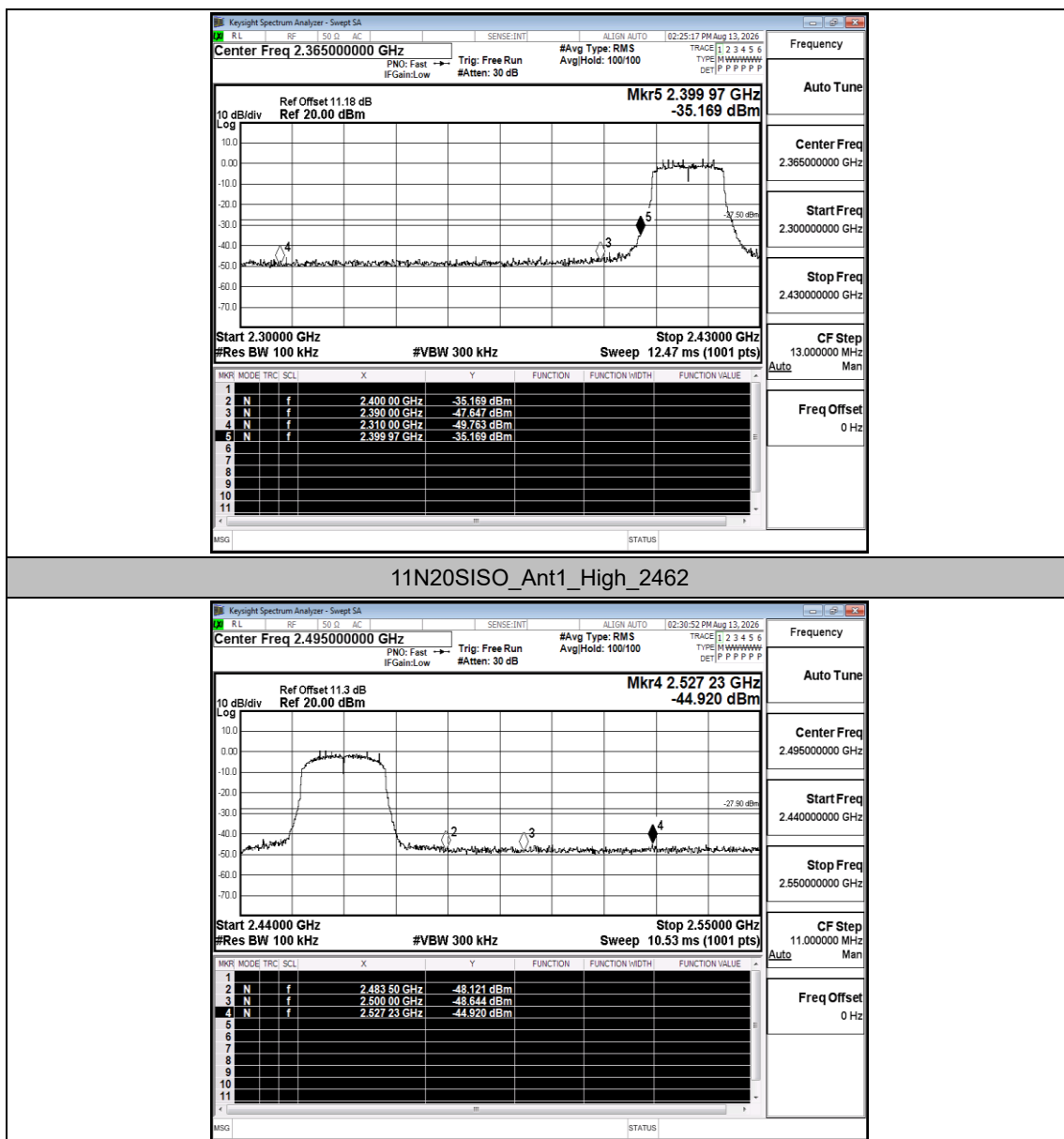
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.94	-37.9	≤-24.06	PASS
		High	2462	5.88	-45.07	≤-24.12	PASS
11G	Ant1	Low	2412	2.94	-33.02	≤-27.06	PASS
		High	2462	0.98	-44.07	≤-29.02	PASS
11N20SISO	Ant1	Low	2412	2.50	-35.17	≤-27.5	PASS
		High	2462	2.10	-44.92	≤-27.9	PASS

Test Graphs







B.5 Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.38	5.38	---	PASS
			30~1000	5.38	-69.61	≤-24.62	PASS
			1000~26500	5.38	-43.94	≤-24.62	PASS
		2437	Reference	6.60	6.60	---	PASS
			30~1000	6.60	-68.2	≤-23.4	PASS
			1000~26500	6.60	-42.1	≤-23.4	PASS
		2462	Reference	6.33	6.33	---	PASS
			30~1000	6.33	-69.32	≤-23.67	PASS
			1000~26500	6.33	-44.59	≤-23.67	PASS
11G	Ant1	2412	Reference	3.37	3.37	---	PASS
			30~1000	3.37	-69.64	≤-26.63	PASS
			1000~26500	3.37	-44.33	≤-26.63	PASS
		2437	Reference	3.33	3.33	---	PASS
			30~1000	3.33	-69.67	≤-26.67	PASS
			1000~26500	3.33	-44.32	≤-26.67	PASS
		2462	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-69.4	≤-28	PASS
			1000~26500	2.00	-43.58	≤-28	PASS
11N20SISO	Ant1	2412	Reference	2.35	2.35	---	PASS
			30~1000	2.35	-68.67	≤-27.65	PASS
			1000~26500	2.35	-43.43	≤-27.65	PASS
		2437	Reference	2.46	2.46	---	PASS
			30~1000	2.46	-69.66	≤-27.54	PASS
			1000~26500	2.46	-44.44	≤-27.54	PASS
		2462	Reference	1.59	1.59	---	PASS
			30~1000	1.59	-69.71	≤-28.41	PASS
			1000~26500	1.59	-44.33	≤-28.41	PASS

Test Graphs

