

Appendix – 2.4G Wi-Fi Test Data

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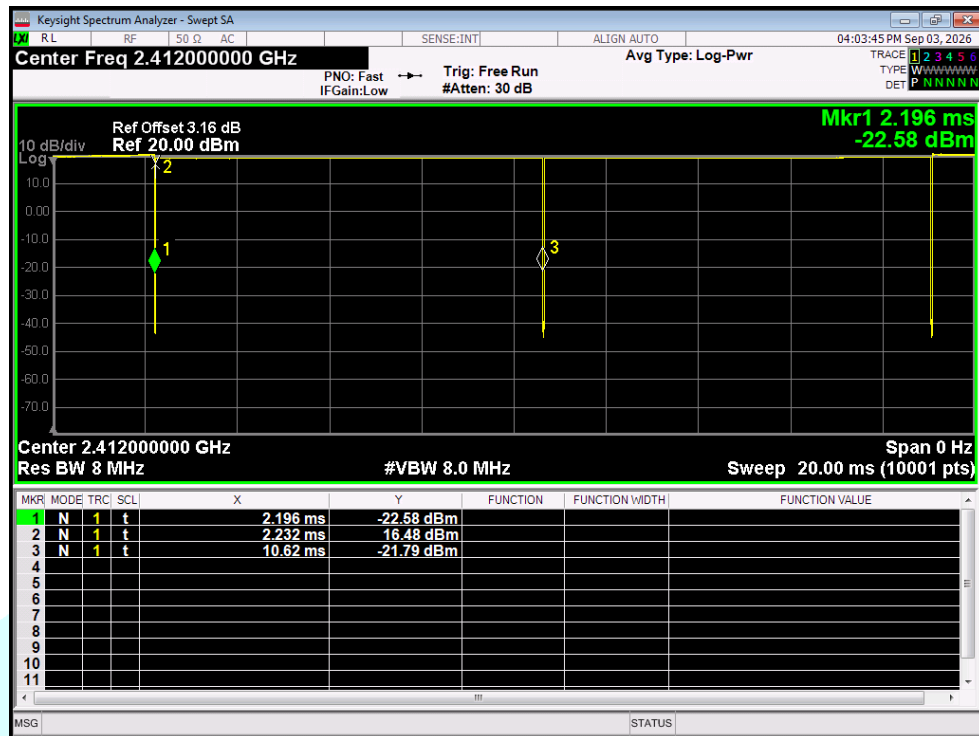
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1. Duty Cycle

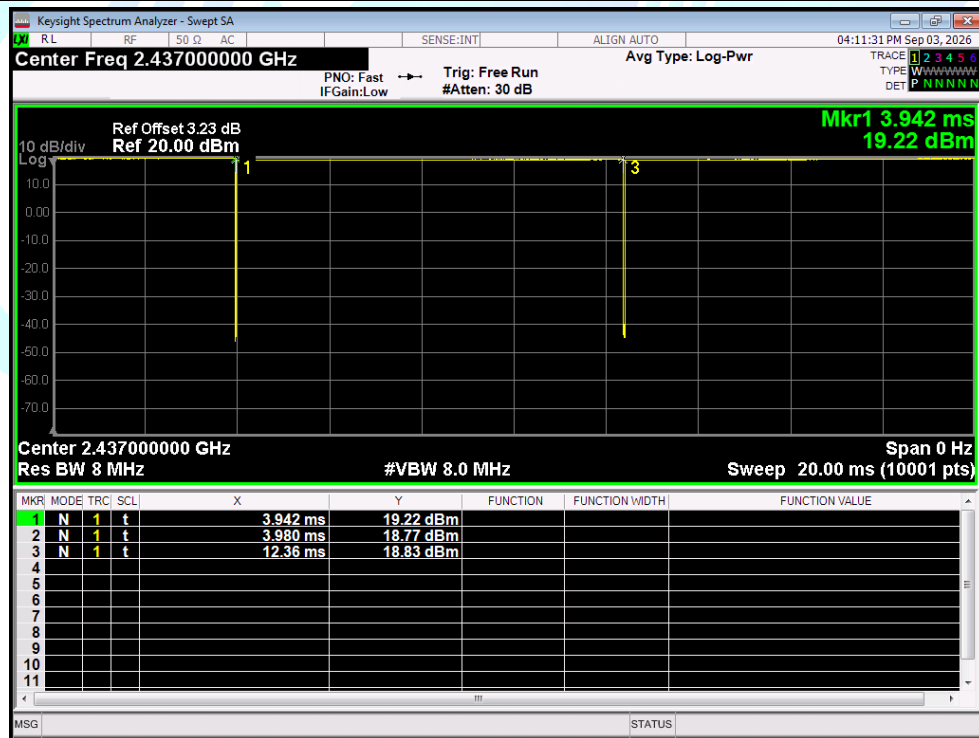
Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
b SISO	2412	99.57	0.02	0.12
	2437	99.55	0.02	0.12
	2462	99.55	0.02	0.12
g SISO	2412	97.76	0.10	0.72
	2437	96.54	0.15	0.72
	2462	97.76	0.10	0.72
n20 SISO	2412	97.45	0.11	0.77
	2437	96.16	0.17	0.77
	2462	97.6	0.11	0.77

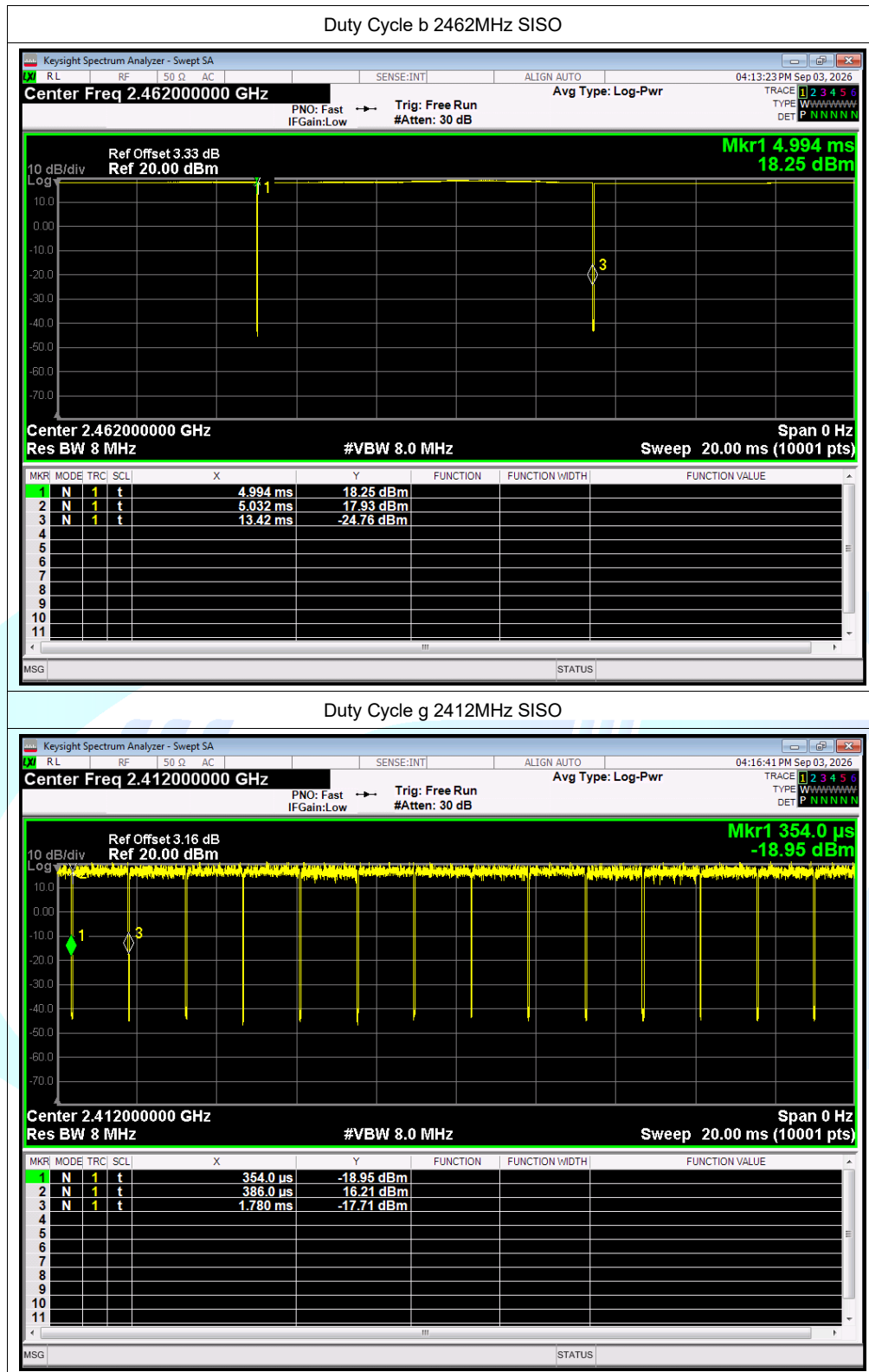
Test Graphs

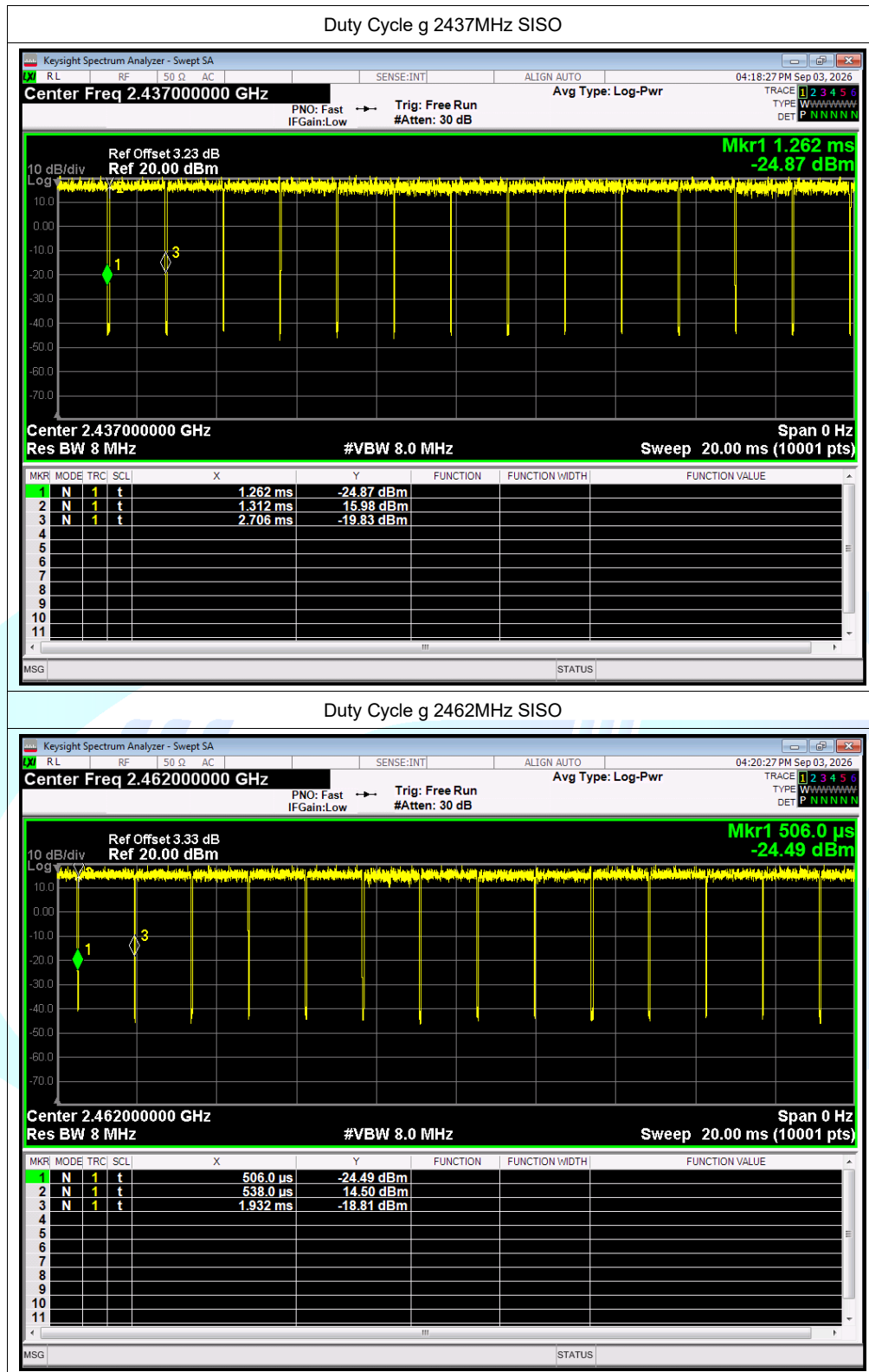
Duty Cycle b 2412MHz SISO

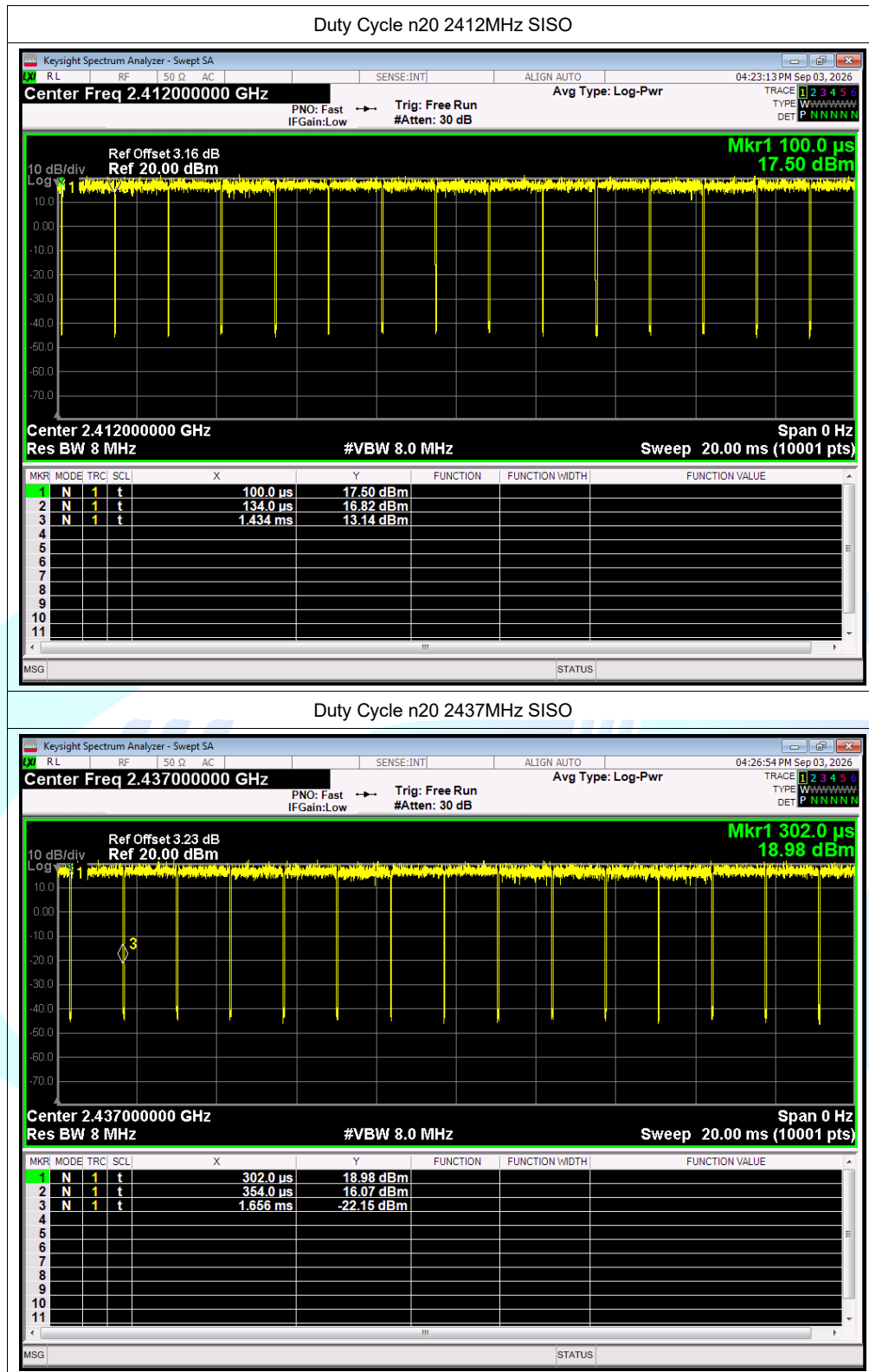


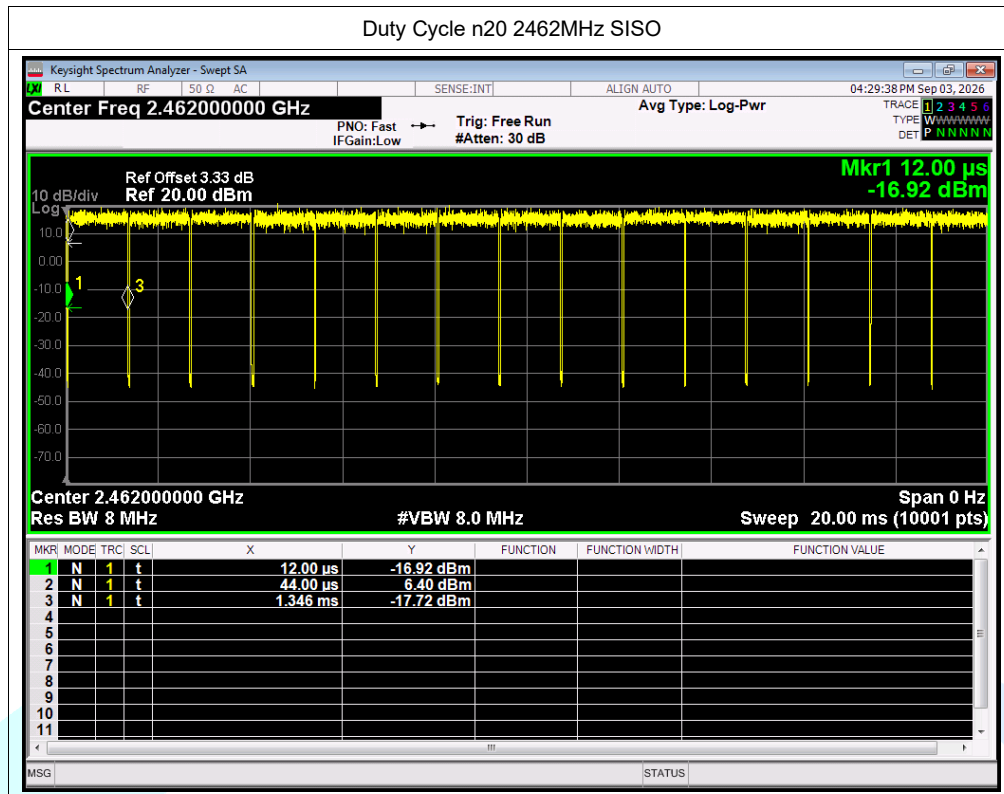
Duty Cycle b 2437MHz SISO





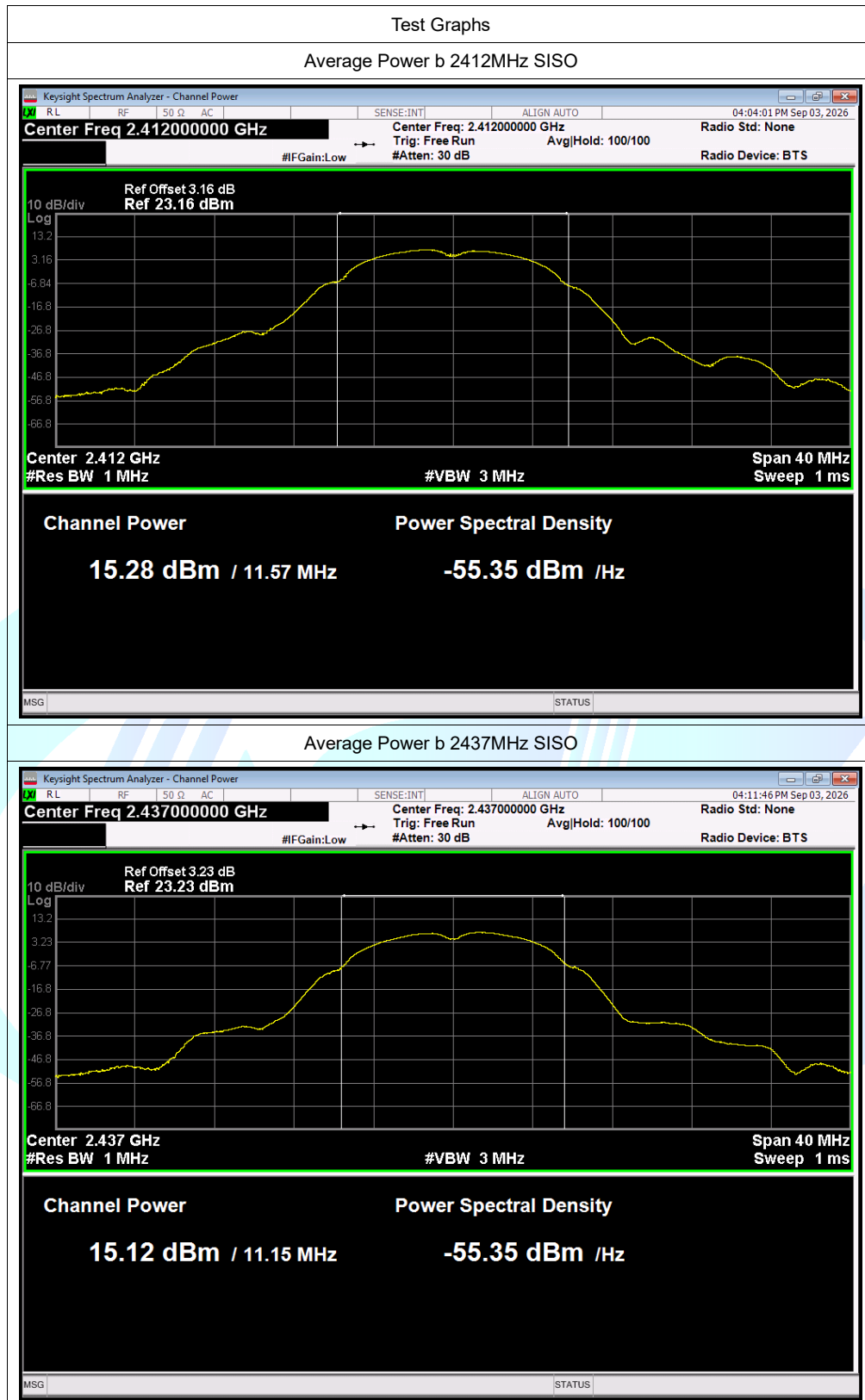


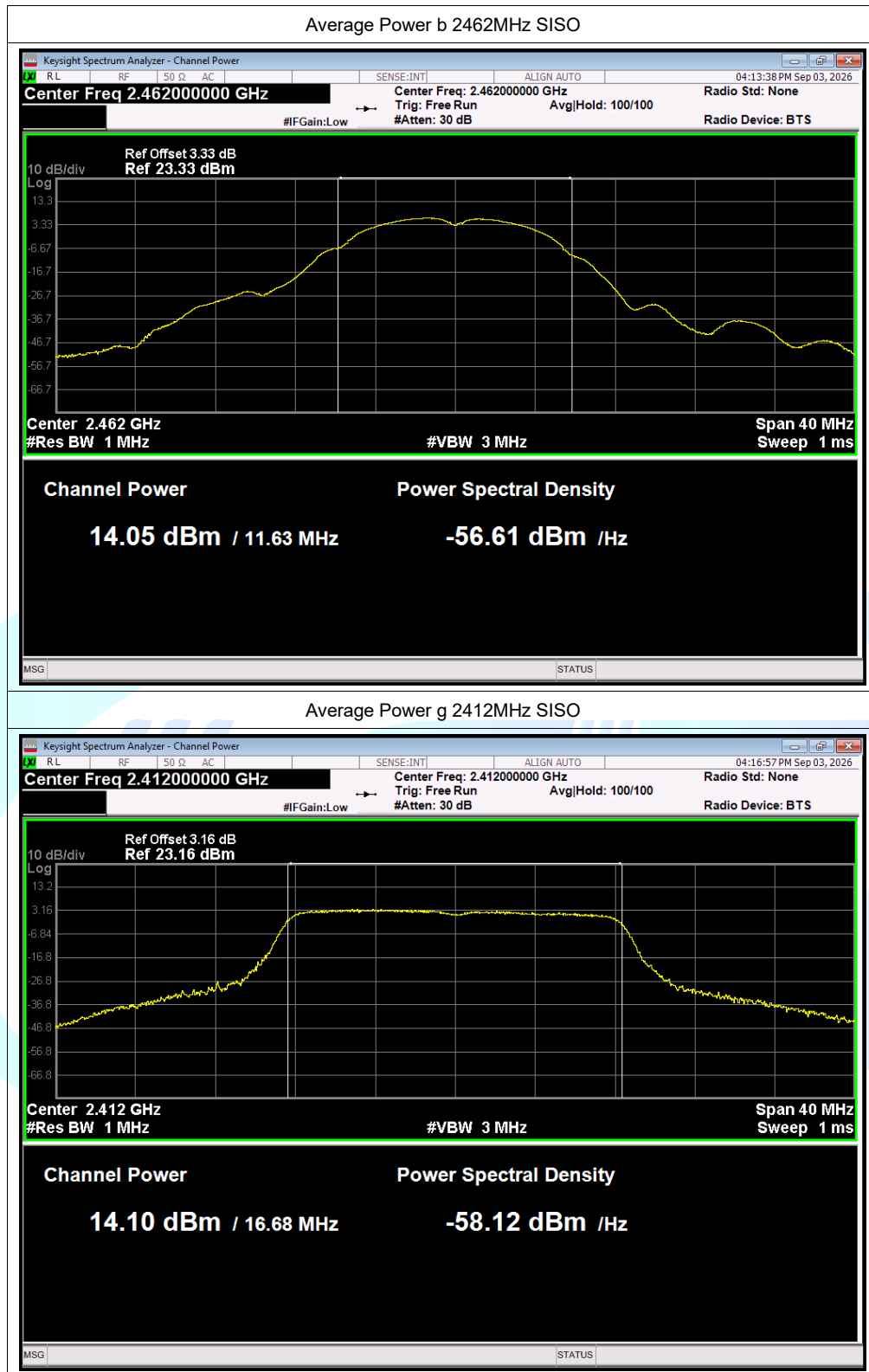




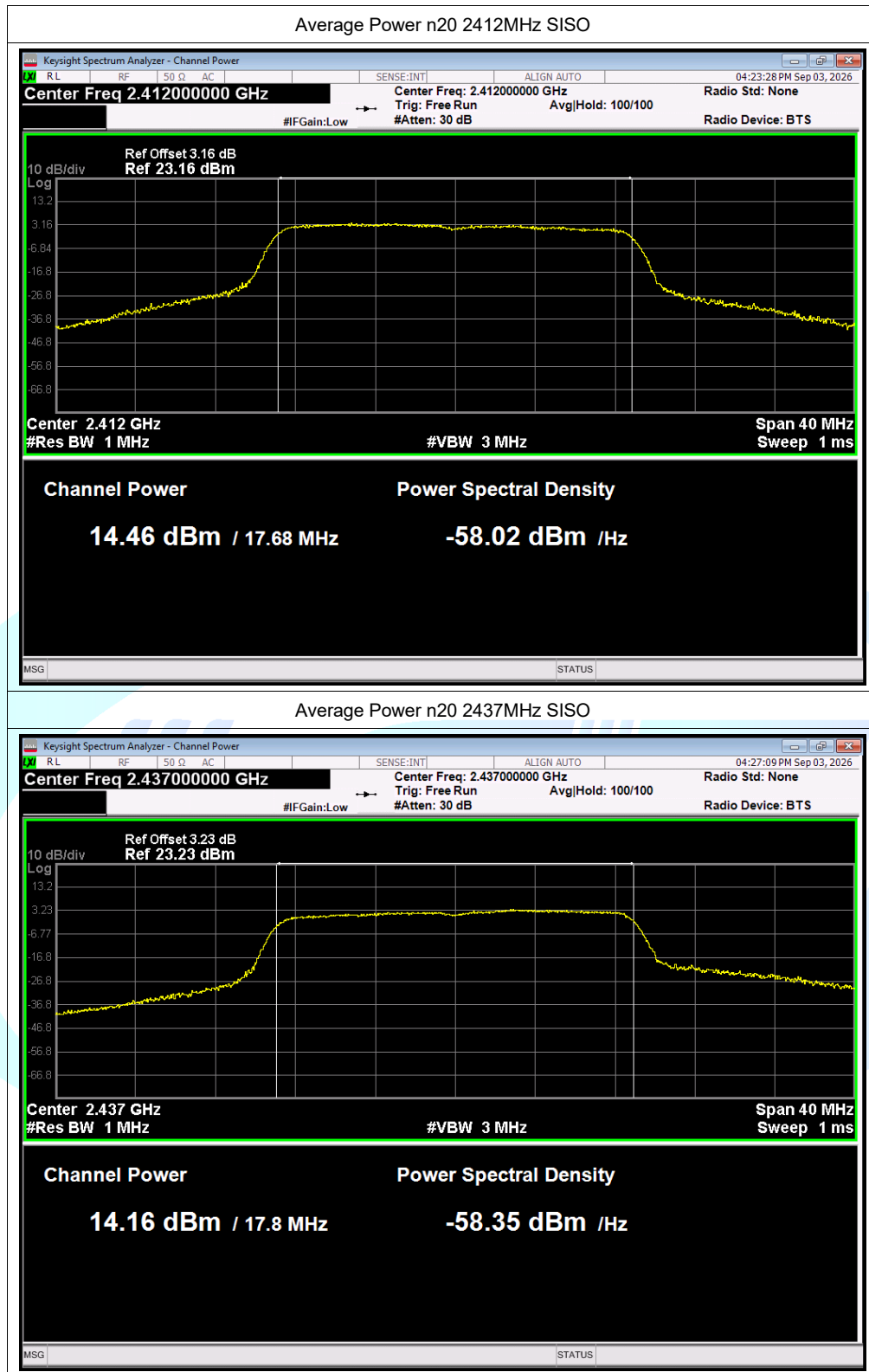
2. Conducted Output Power

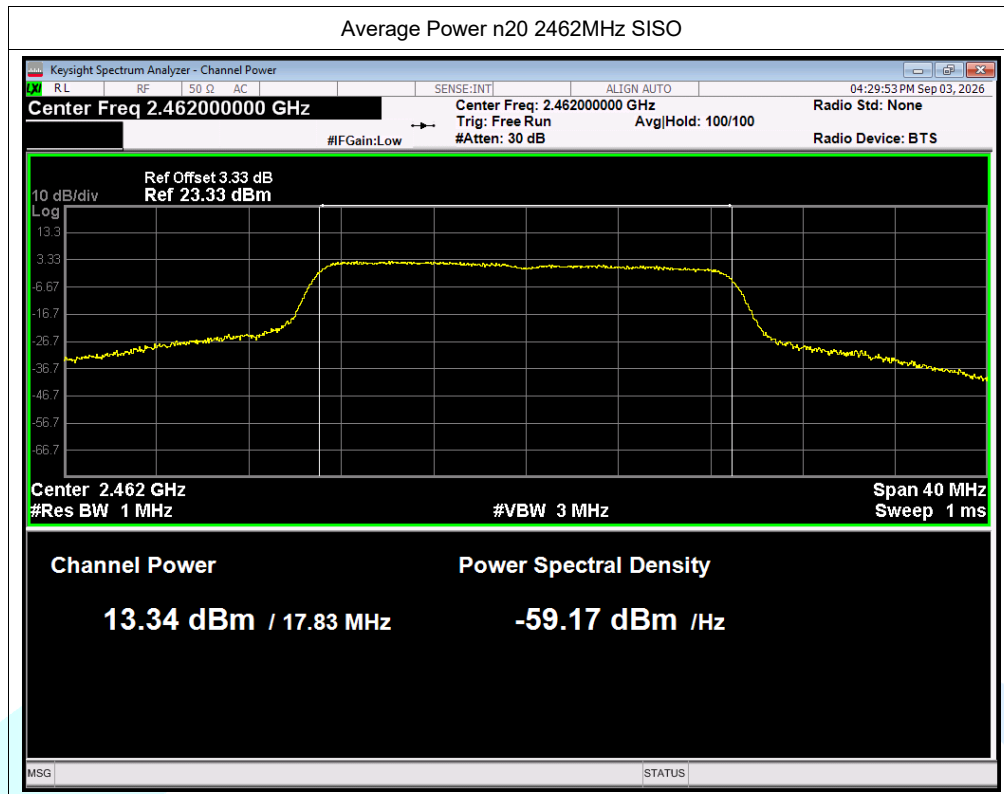
Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit (dBm)	Verdict
b SISO	2412	15.28	0.02	15.30	30	Pass
	2437	15.12	0.02	15.14	30	Pass
	2462	14.05	0.02	14.07	30	Pass
g SISO	2412	14.10	0.10	14.20	30	Pass
	2437	13.77	0.15	13.92	30	Pass
	2462	12.83	0.10	12.93	30	Pass
n20 SISO	2412	14.46	0.11	14.57	30	Pass
	2437	14.16	0.17	14.33	30	Pass
	2462	13.34	0.11	13.45	30	Pass









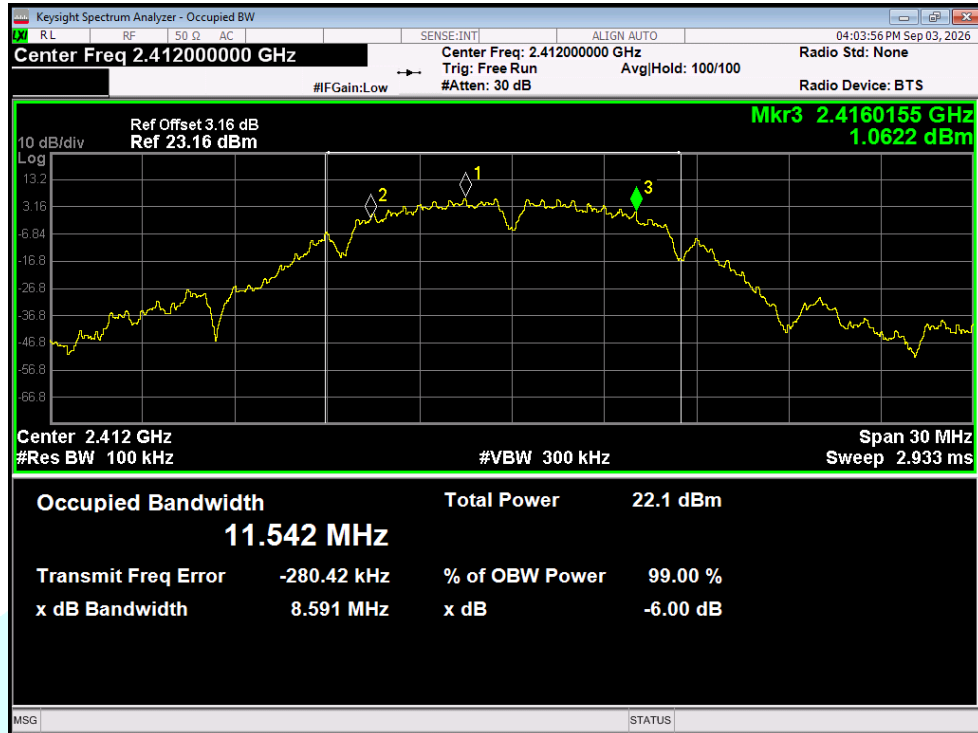


3. 6dB Emission Bandwidth

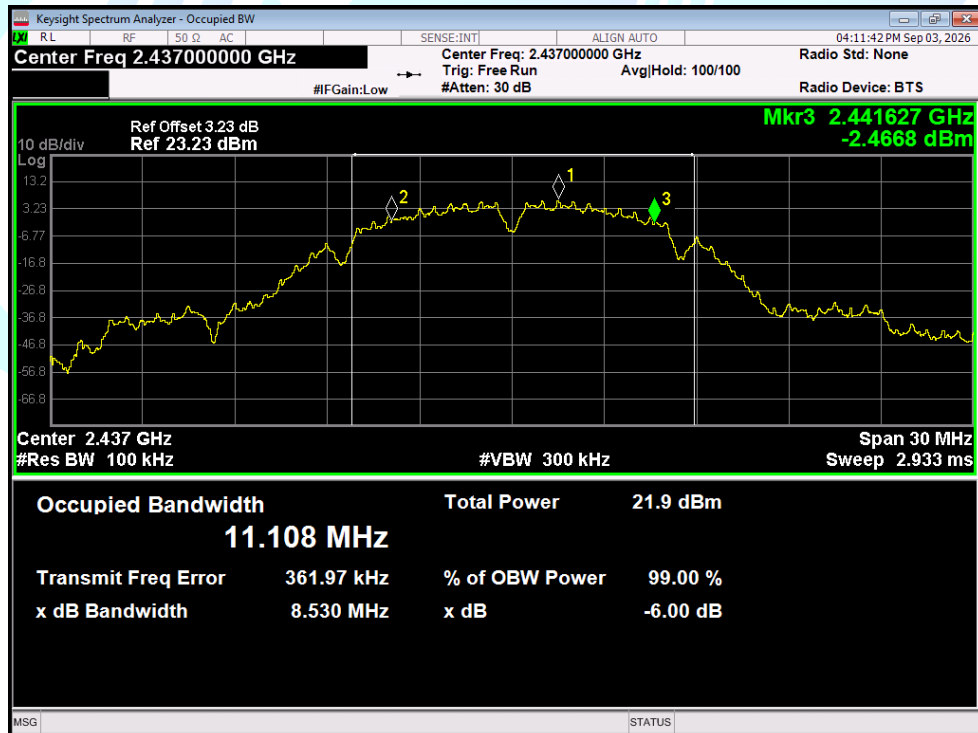
Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit (MHz)	Verdict
b SISO	2412	8.591	0.5	Pass
	2437	8.53	0.5	Pass
	2462	8.616	0.5	Pass
g SISO	2412	16.32	0.5	Pass
	2437	15.75	0.5	Pass
	2462	14.73	0.5	Pass
n20 SISO	2412	16.38	0.5	Pass
	2437	15.4	0.5	Pass
	2462	17.45	0.5	Pass

Test Graphs

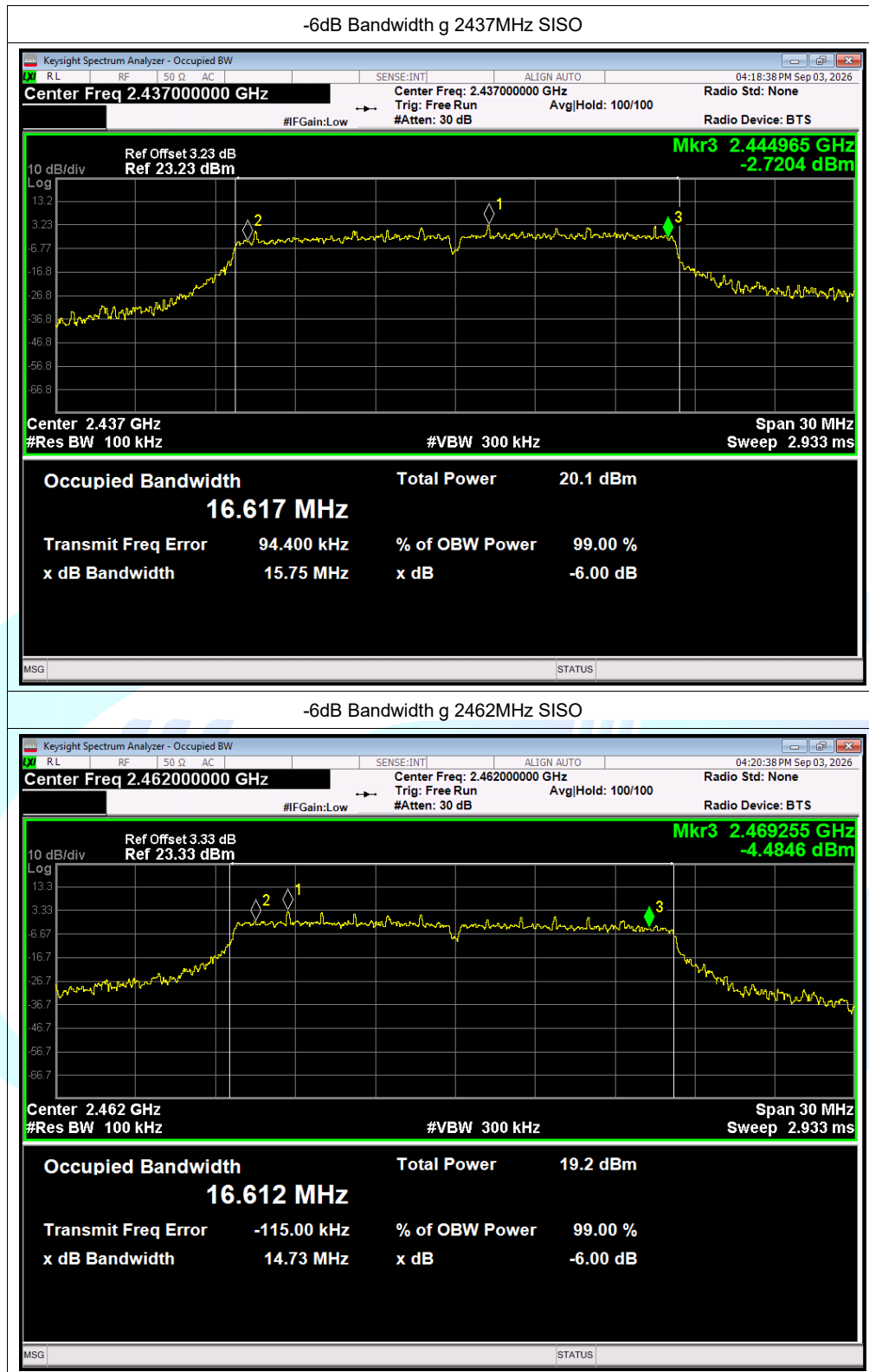
-6dB Bandwidth b 2412MHz SISO



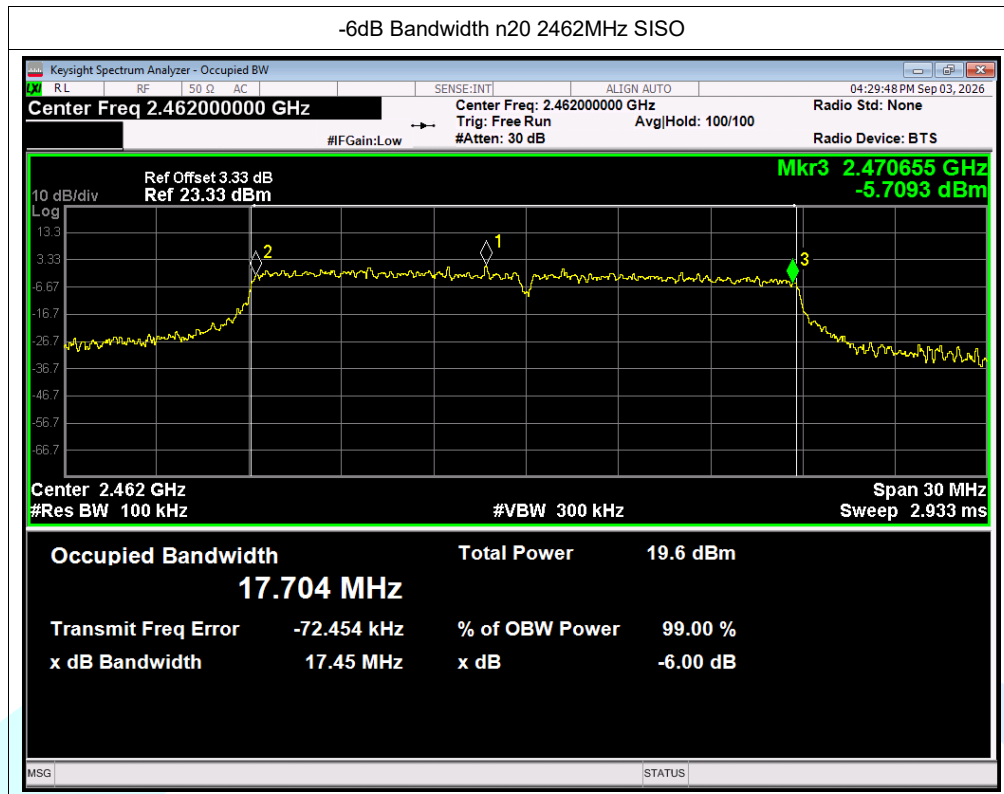
-6dB Bandwidth b 2437MHz SISO







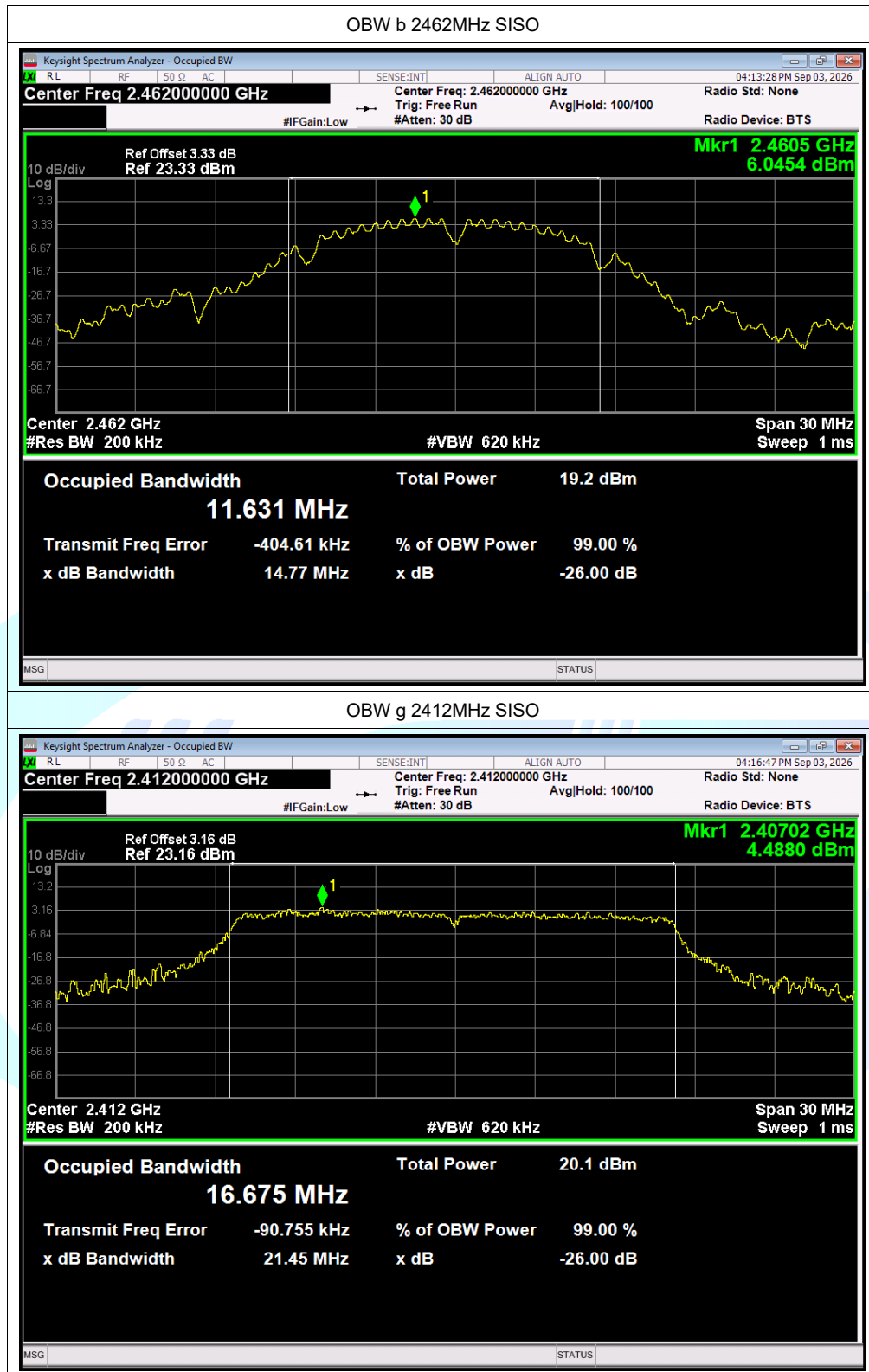




4. 99% Occupied Bandwidth

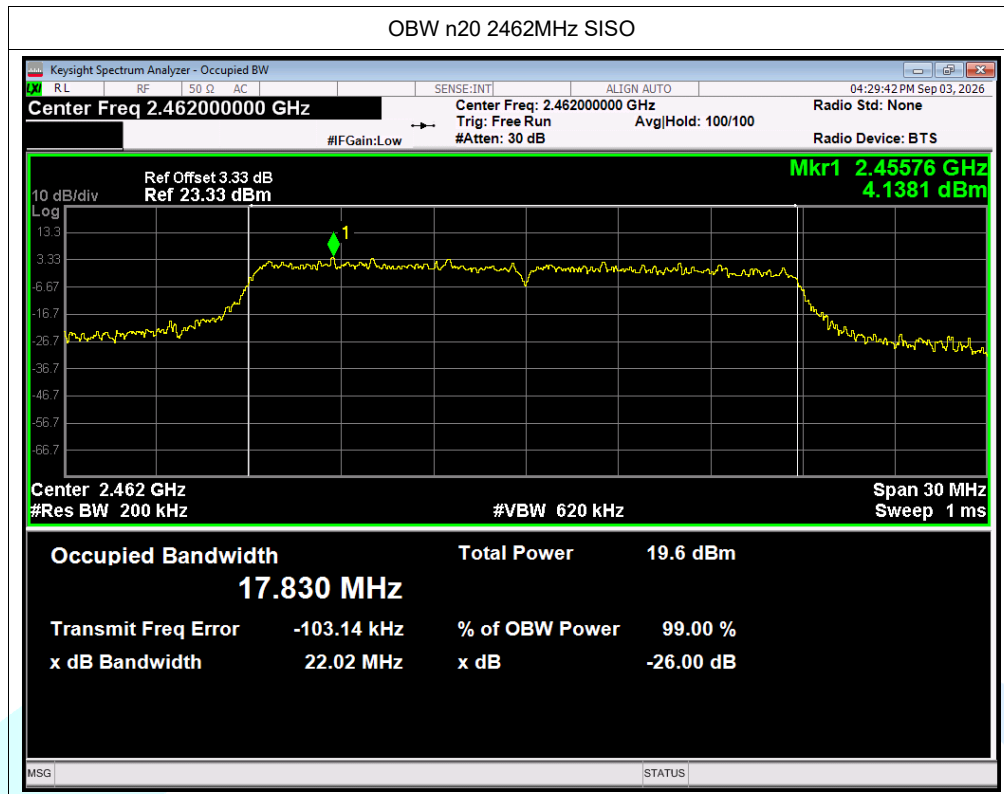
Mode	Frequency (MHz)	99% OBW (MHz)
b SISO	2412	11.573
	2437	11.146
	2462	11.631
g SISO	2412	16.675
	2437	16.859
	2462	16.789
n20 SISO	2412	17.684
	2437	17.802
	2462	17.83





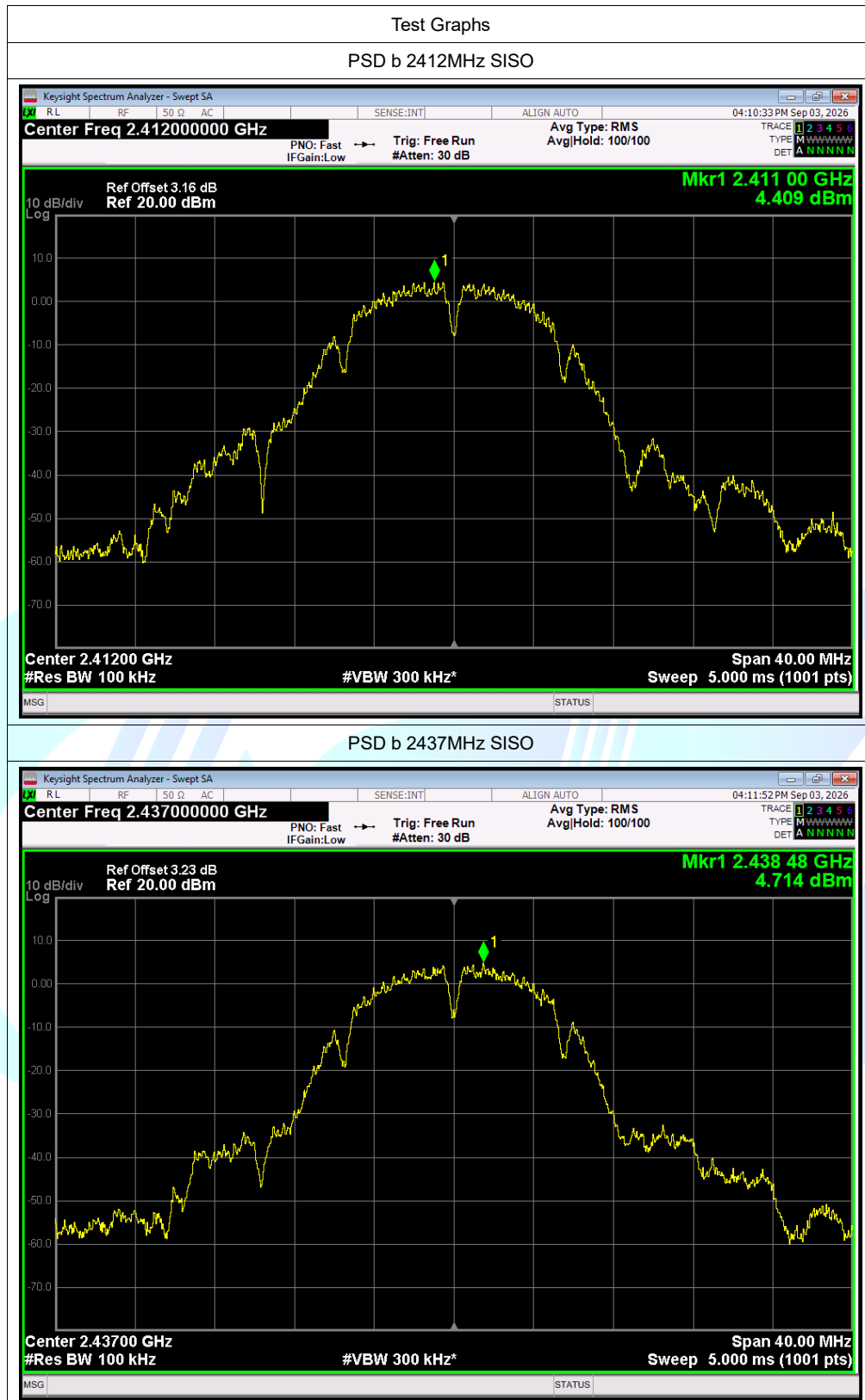


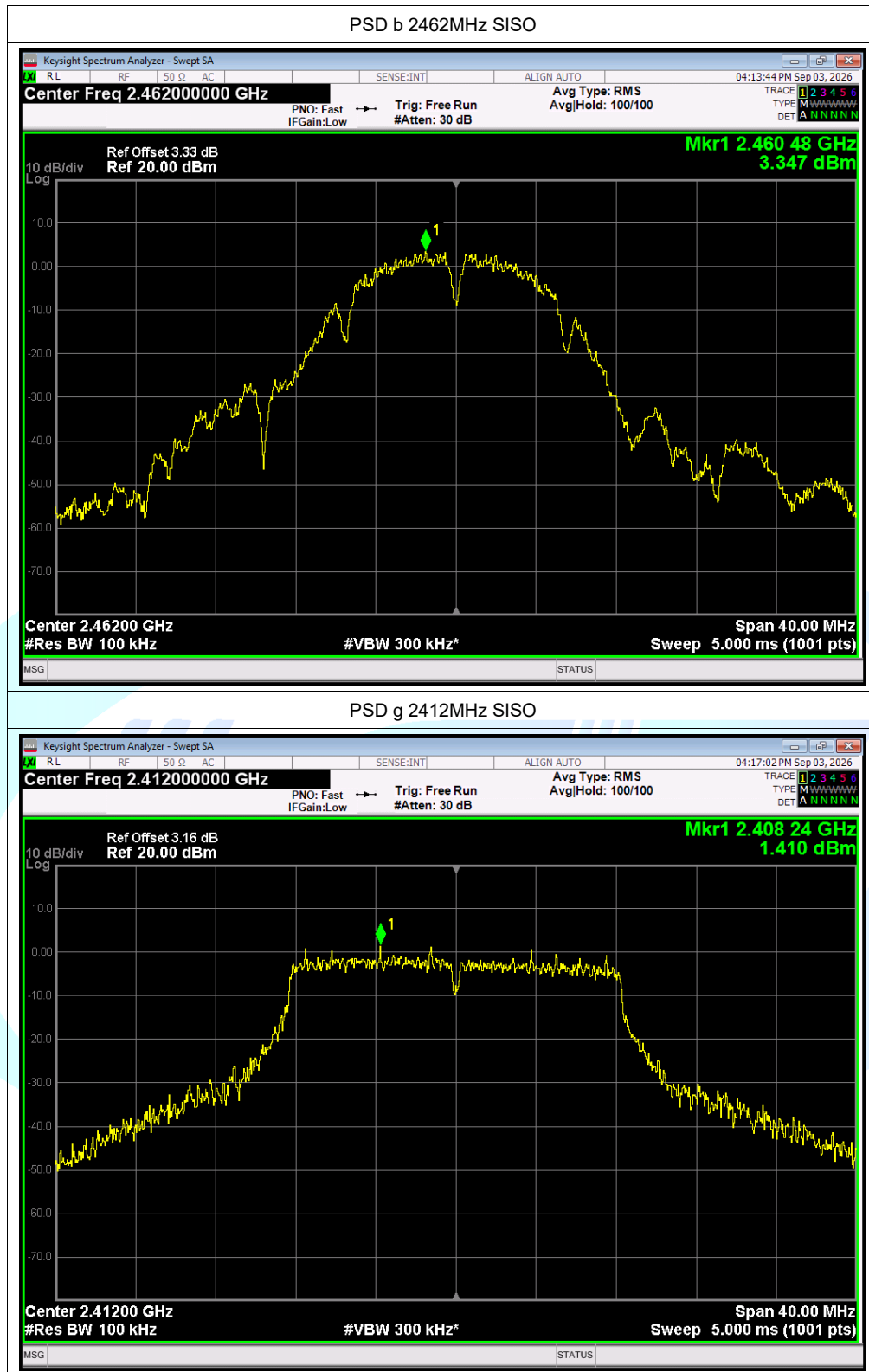


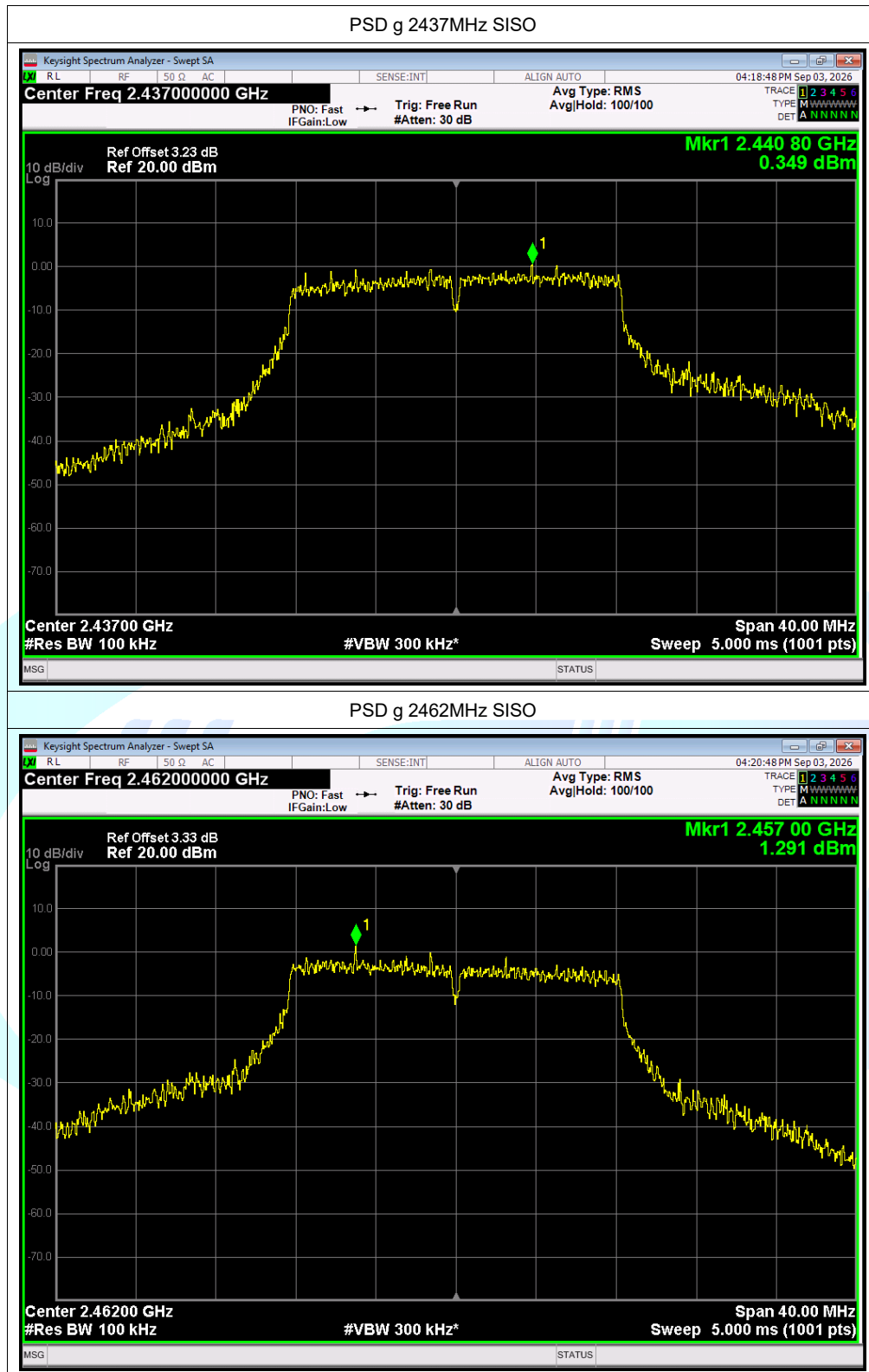


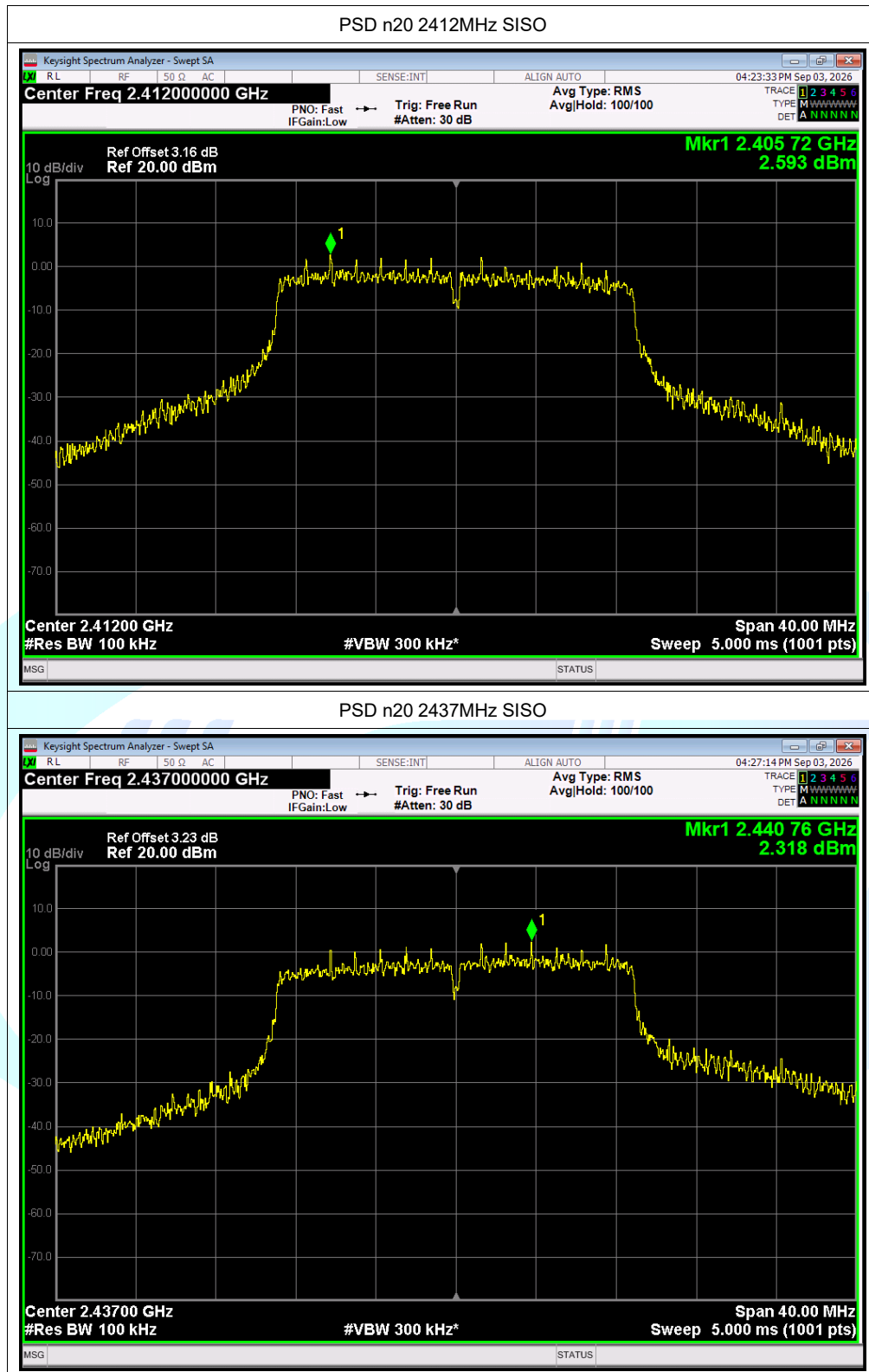
5. Power Spectral Density

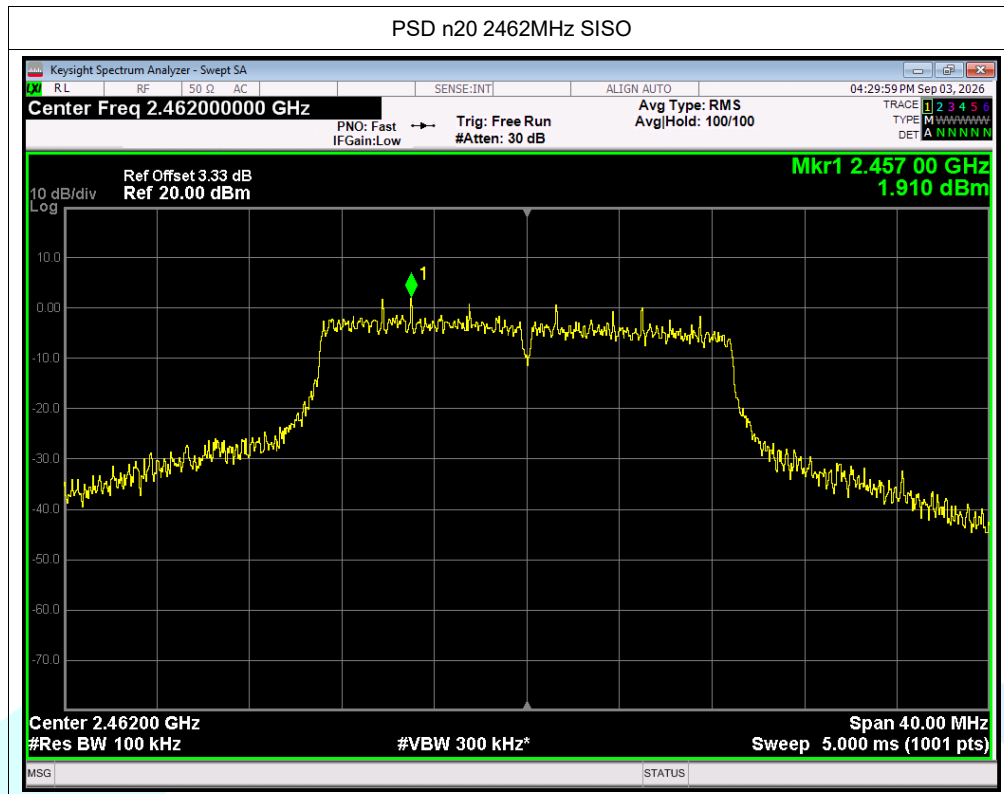
Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
b SISO	2412	-10.82	0.02	-10.80	8	Pass
	2437	-10.52	0.02	-10.50	8	Pass
	2462	-11.88	0.02	-11.86	8	Pass
g SISO	2412	-13.82	0.10	-13.72	8	Pass
	2437	-14.88	0.15	-14.73	8	Pass
	2462	-13.94	0.10	-13.84	8	Pass
n20 SISO	2412	-12.64	0.11	-12.53	8	Pass
	2437	-12.91	0.17	-12.74	8	Pass
	2462	-13.32	0.11	-13.21	8	Pass







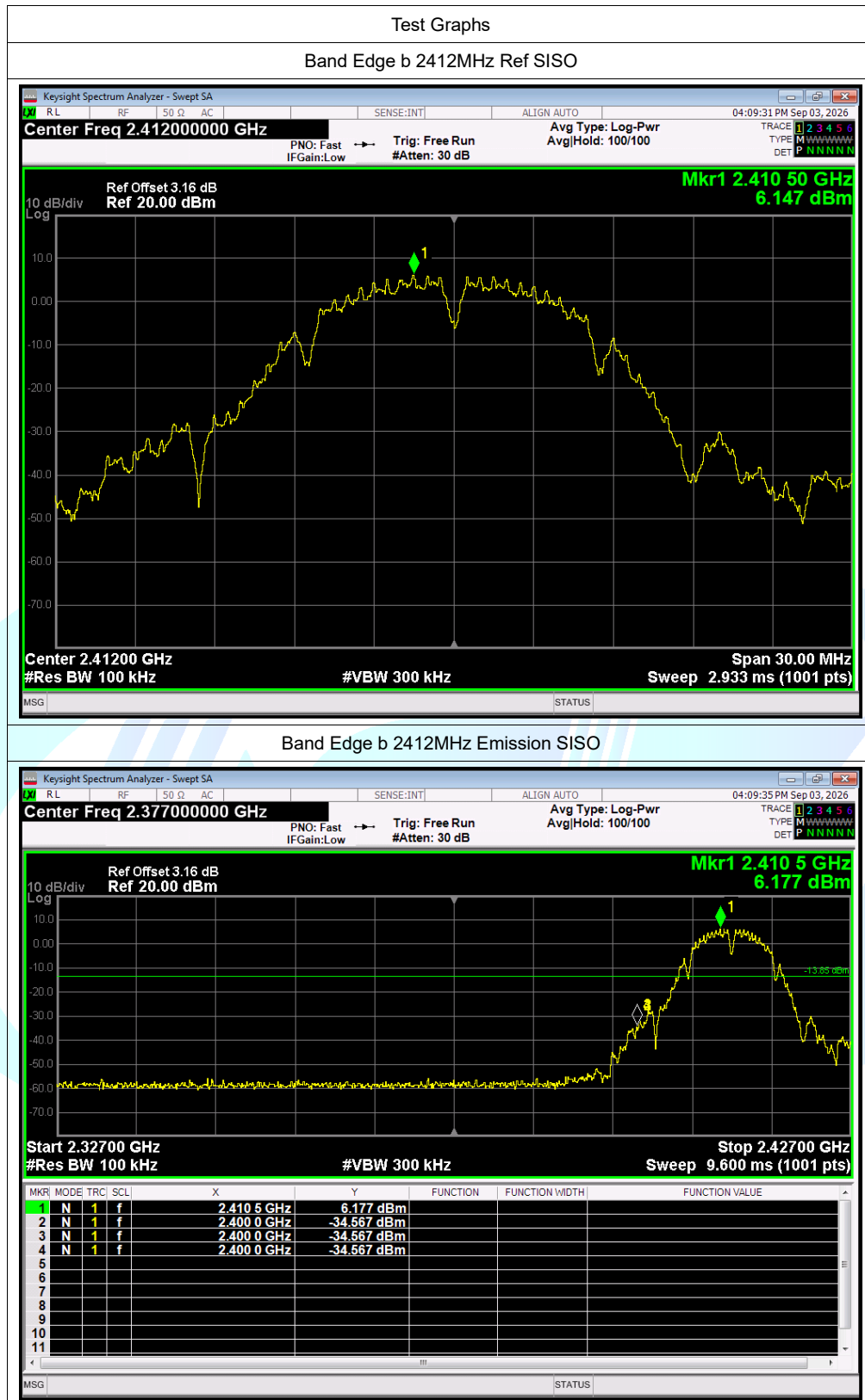


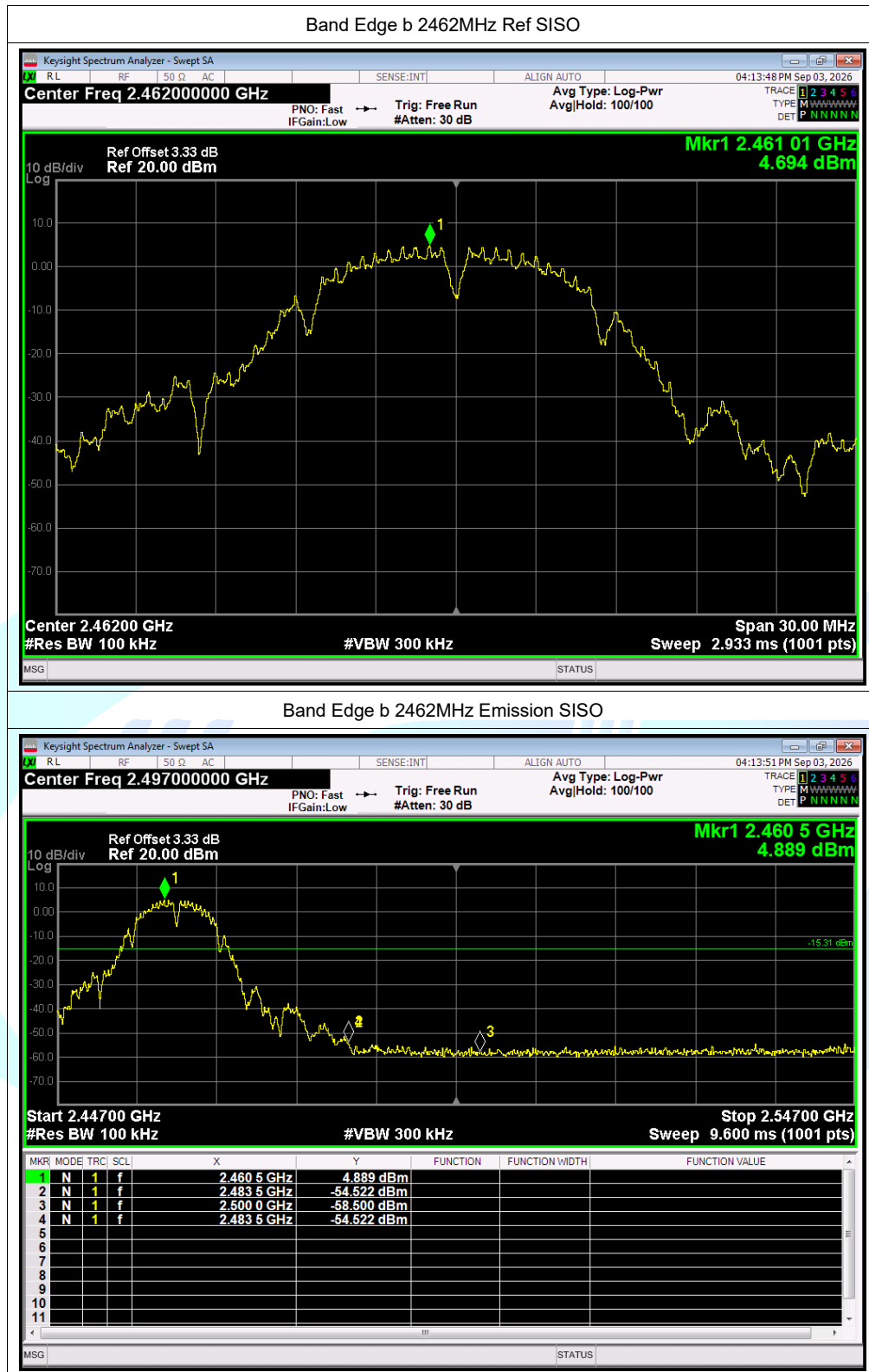


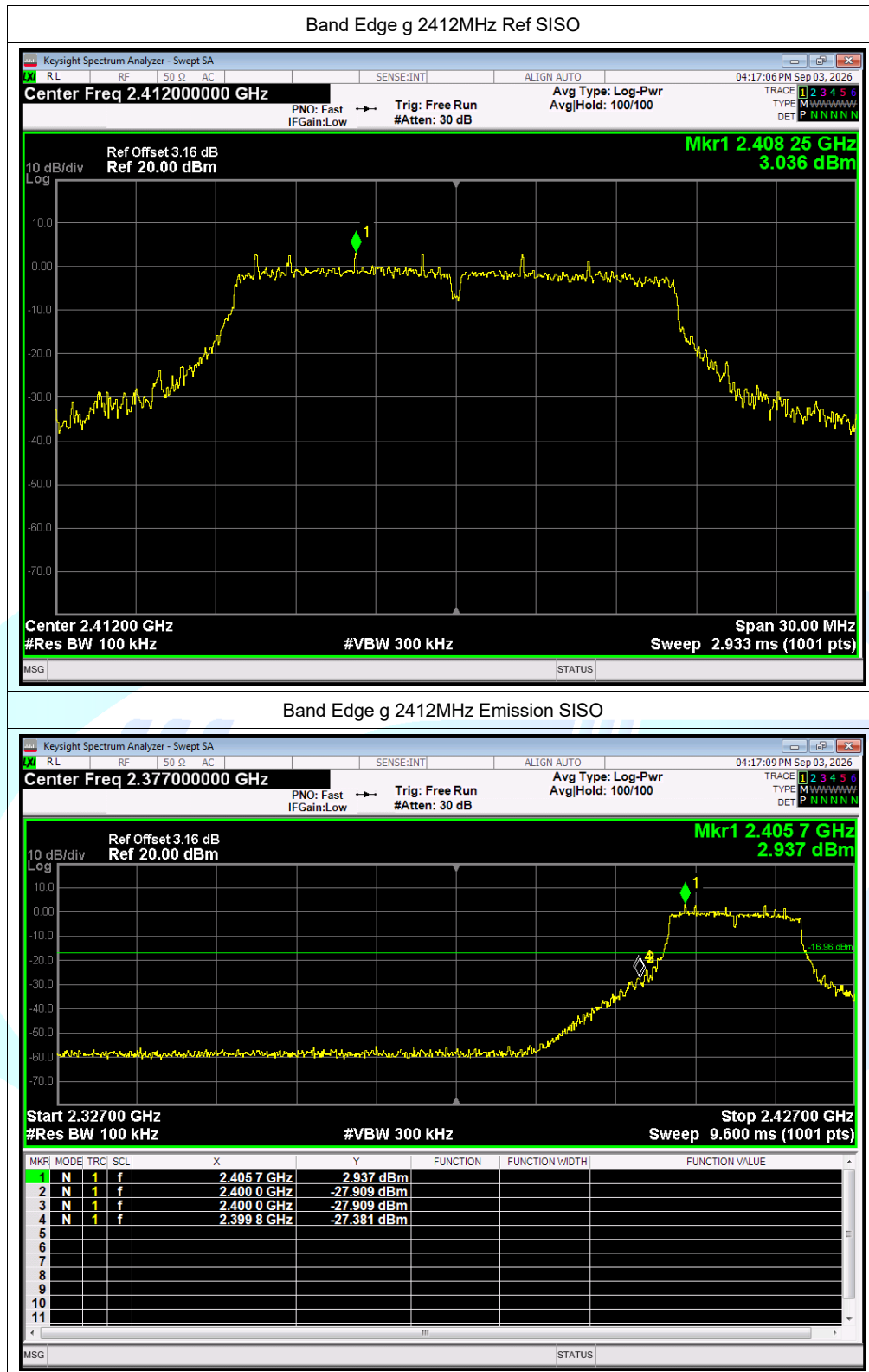
6. Band-edge Emission

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
b SISO	2412	-40.71	-20	Pass
	2462	-59.21	-20	Pass
g SISO	2412	-30.42	-20	Pass
	2462	-50.89	-20	Pass
n20 SISO	2412	-30.36	-20	Pass
	2462	-47.38	-20	Pass

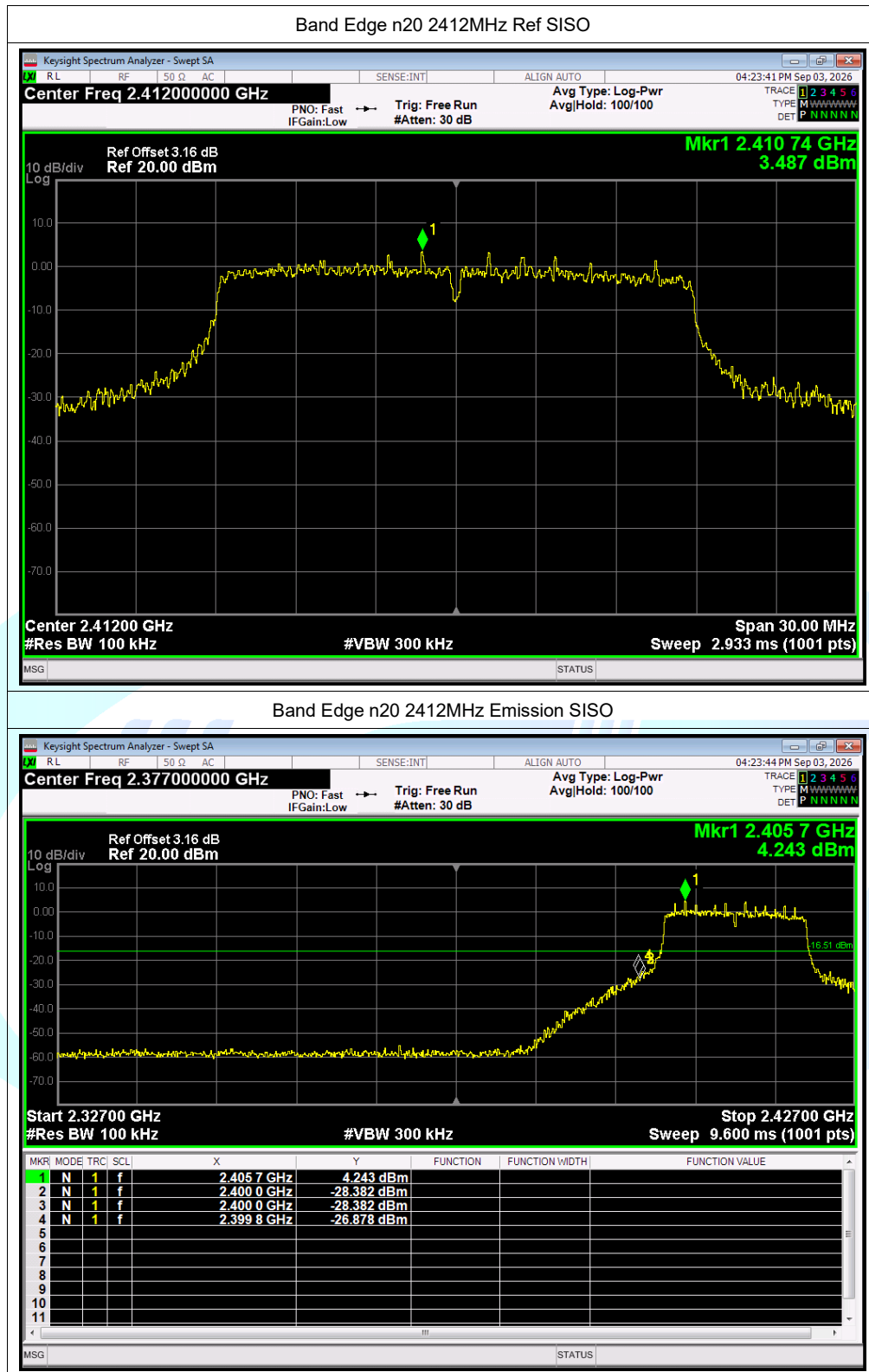












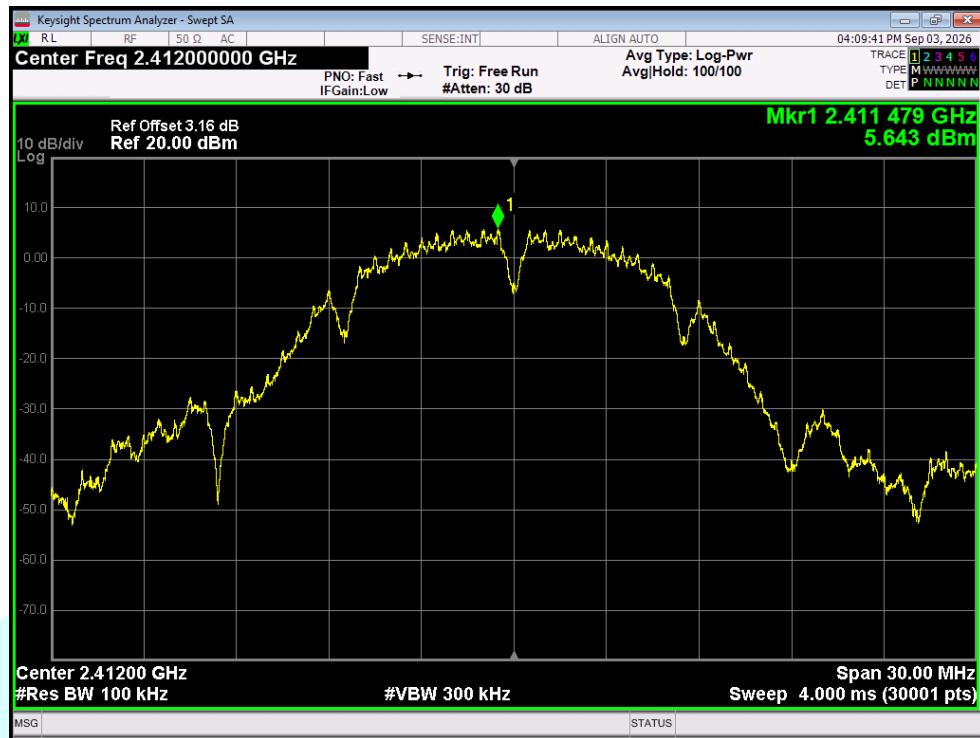


7. Conducted Spurious Emission

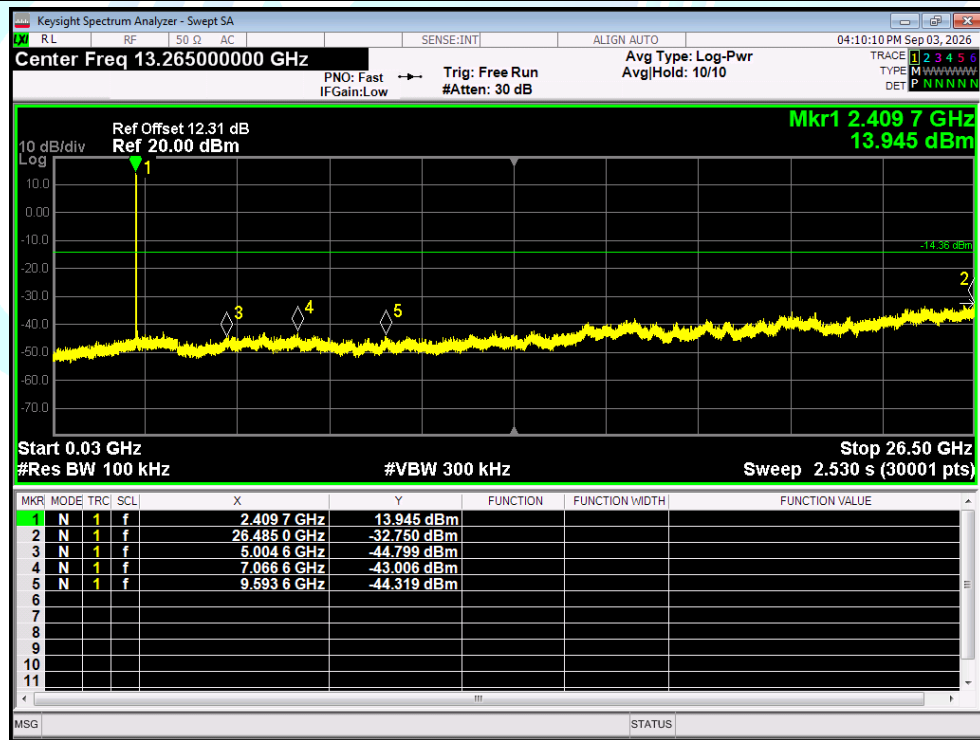
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
b SISO	2412	-38.38	-20	Pass
	2437	-38.00	-20	Pass
	2462	-37.62	-20	Pass
g SISO	2412	-36.23	-20	Pass
	2437	-36.10	-20	Pass
	2462	-35.38	-20	Pass
n20 SISO	2412	-37.10	-20	Pass
	2437	-36.29	-20	Pass
	2462	-36.00	-20	Pass

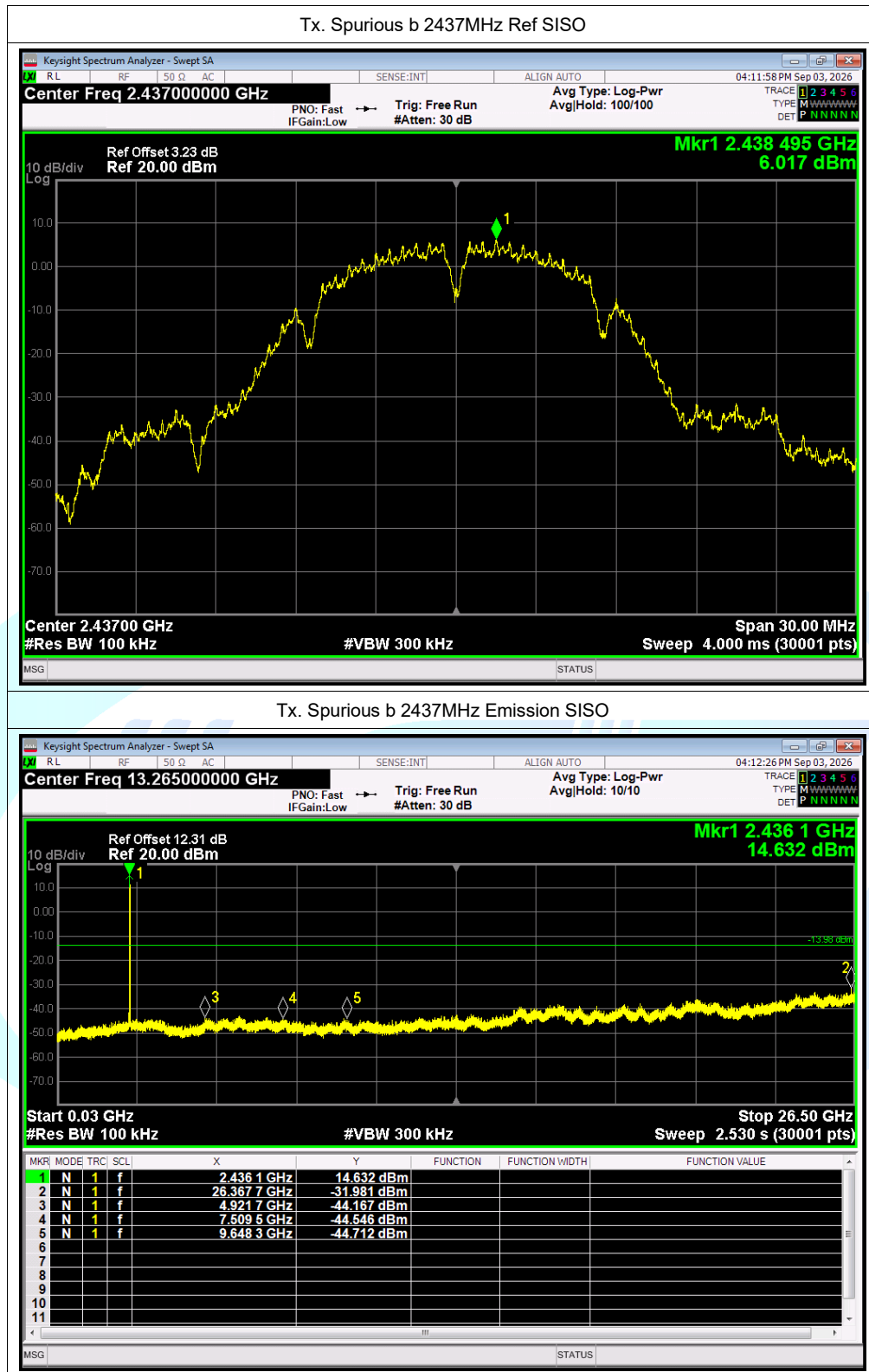
Test Graphs

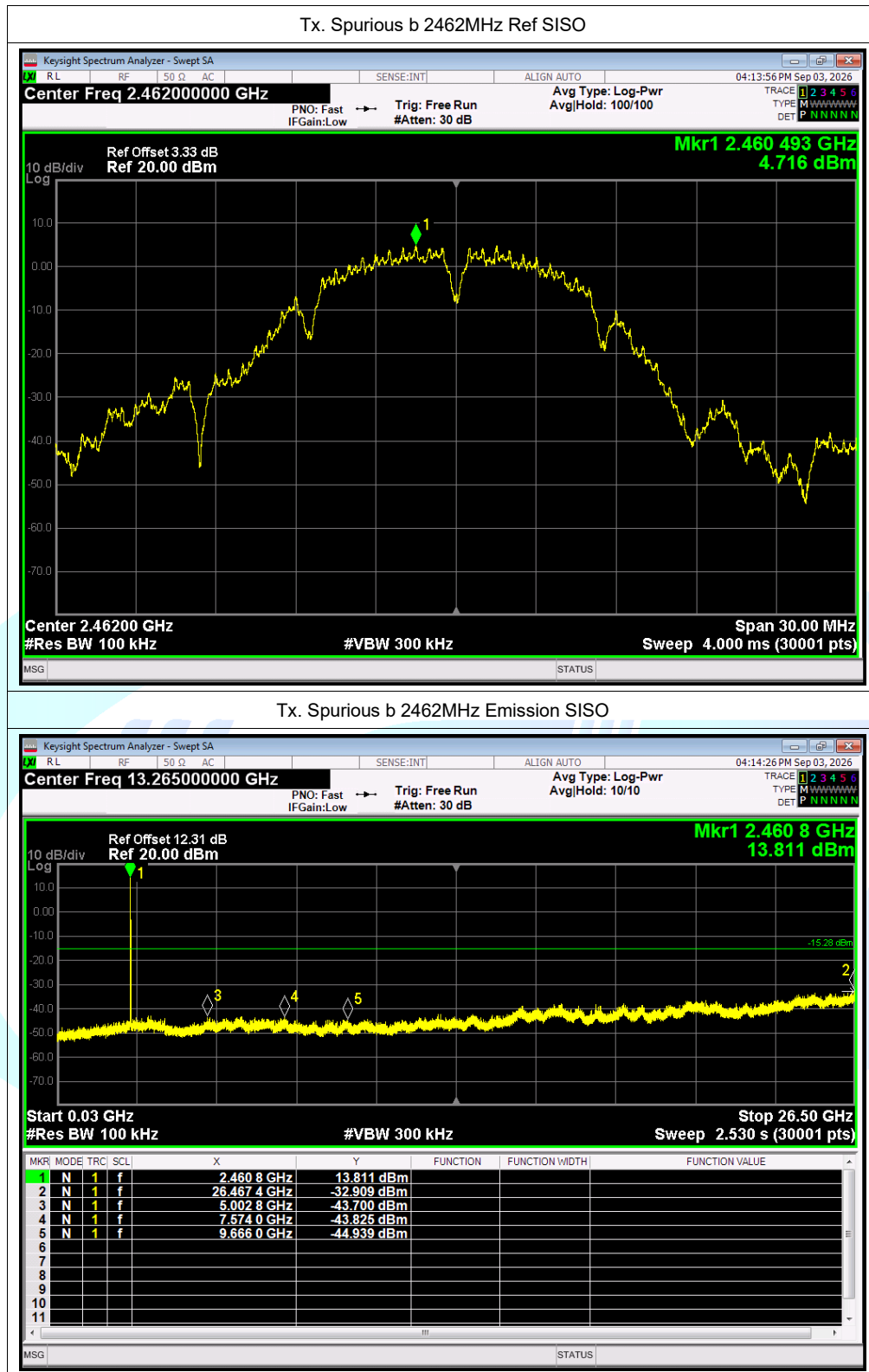
Tx. Spurious b 2412MHz Ref SISO

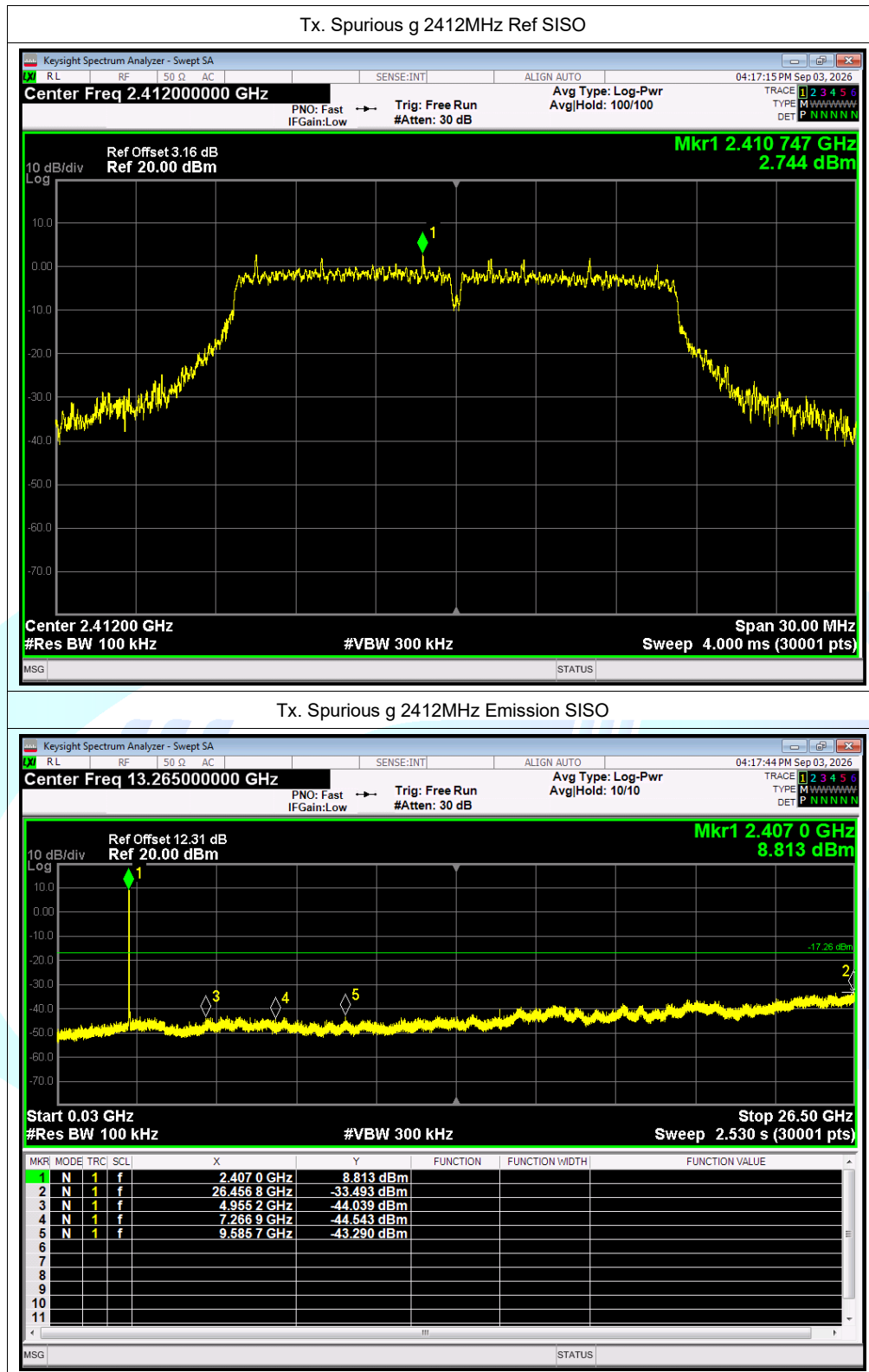


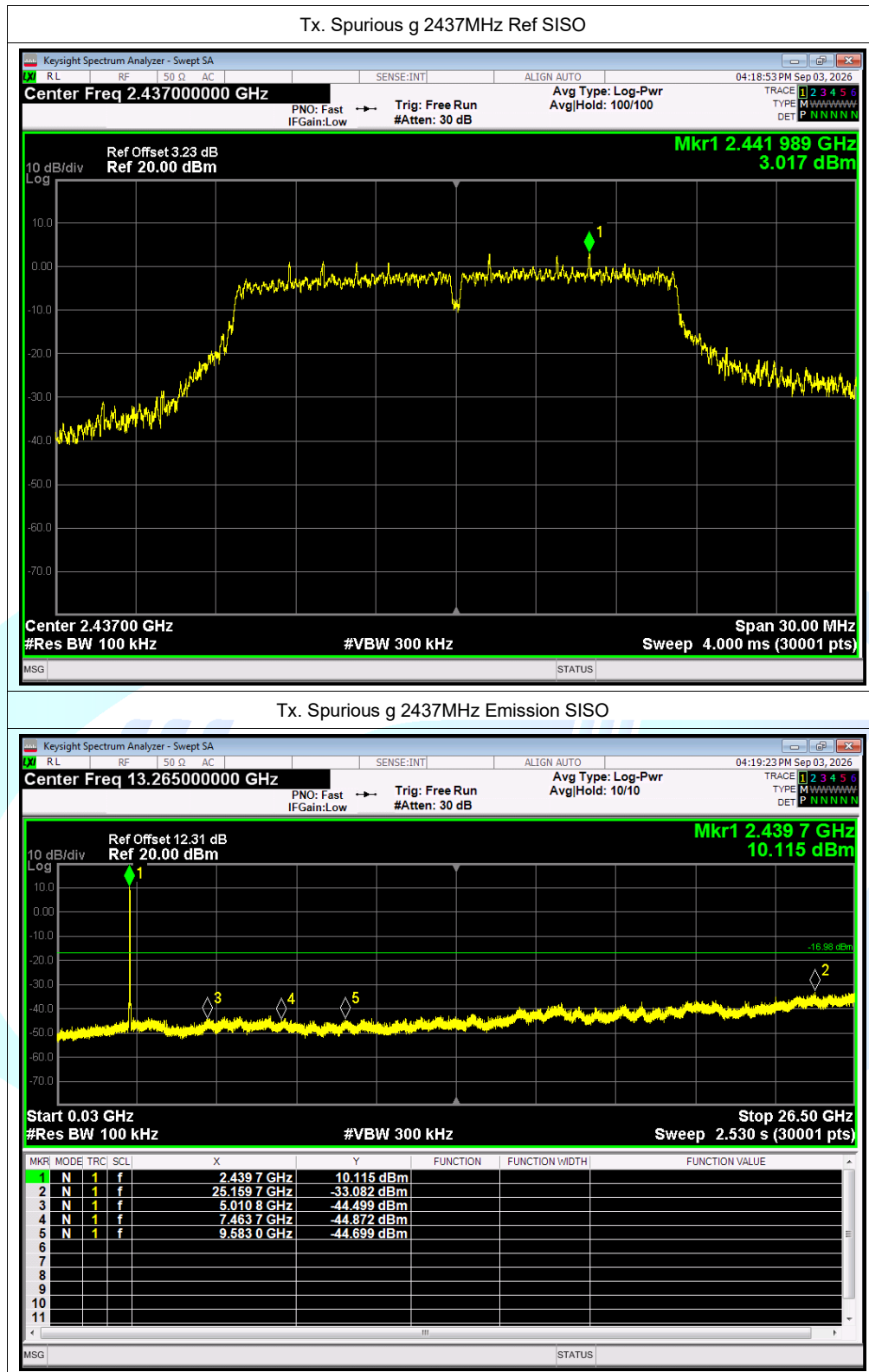
Tx. Spurious b 2412MHz Emission SISO

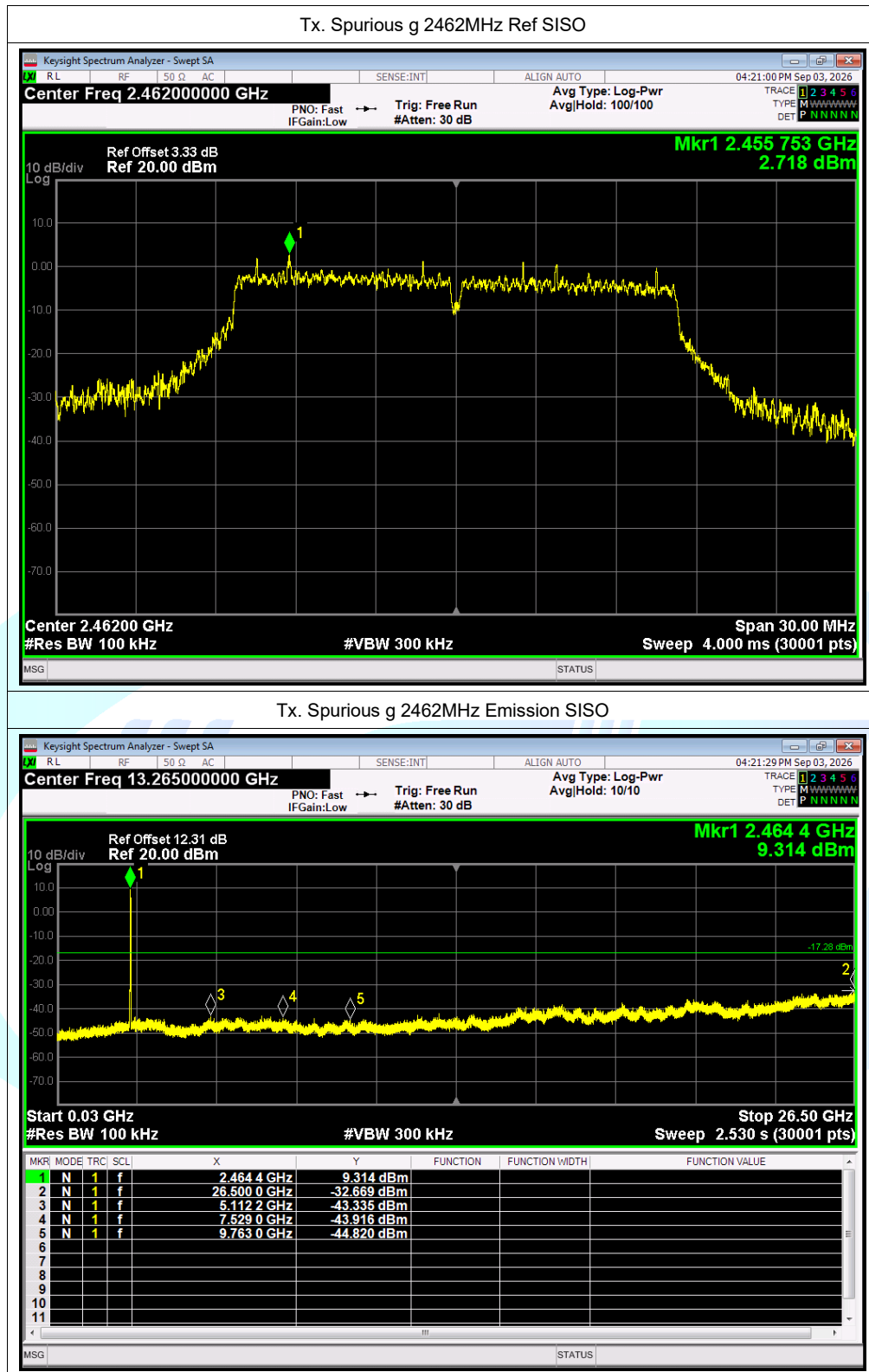




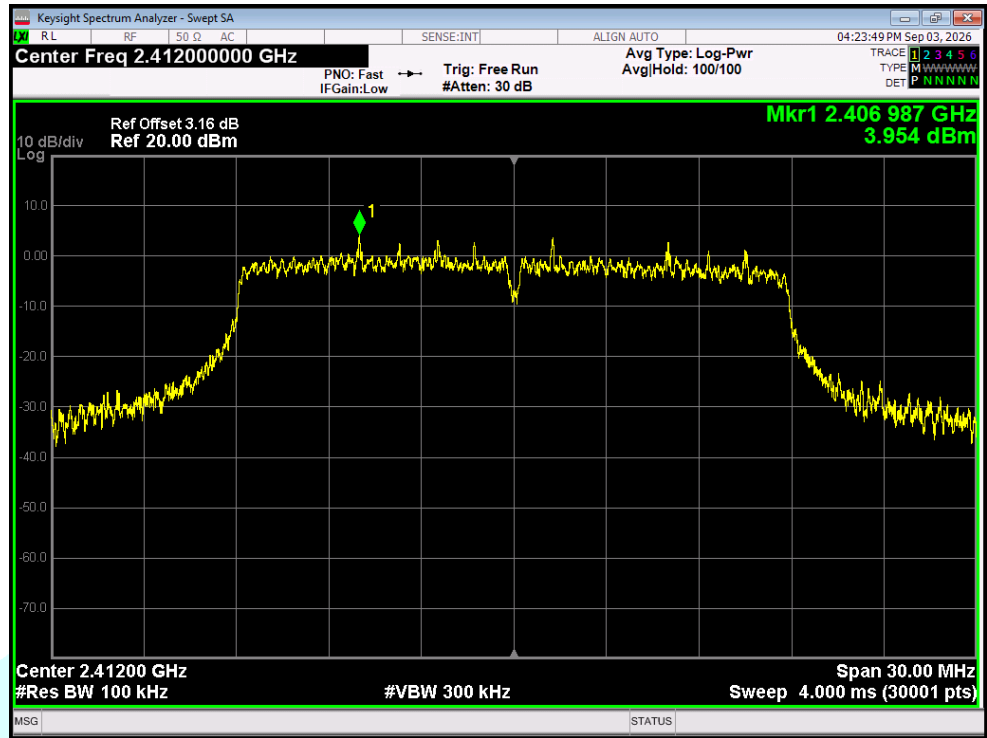




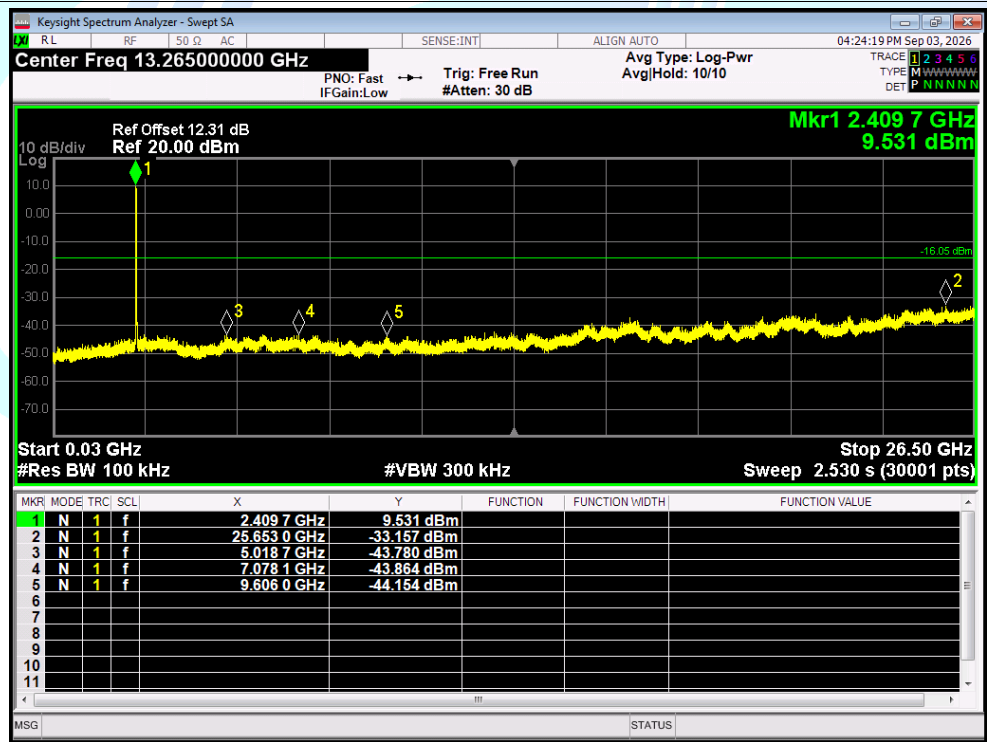




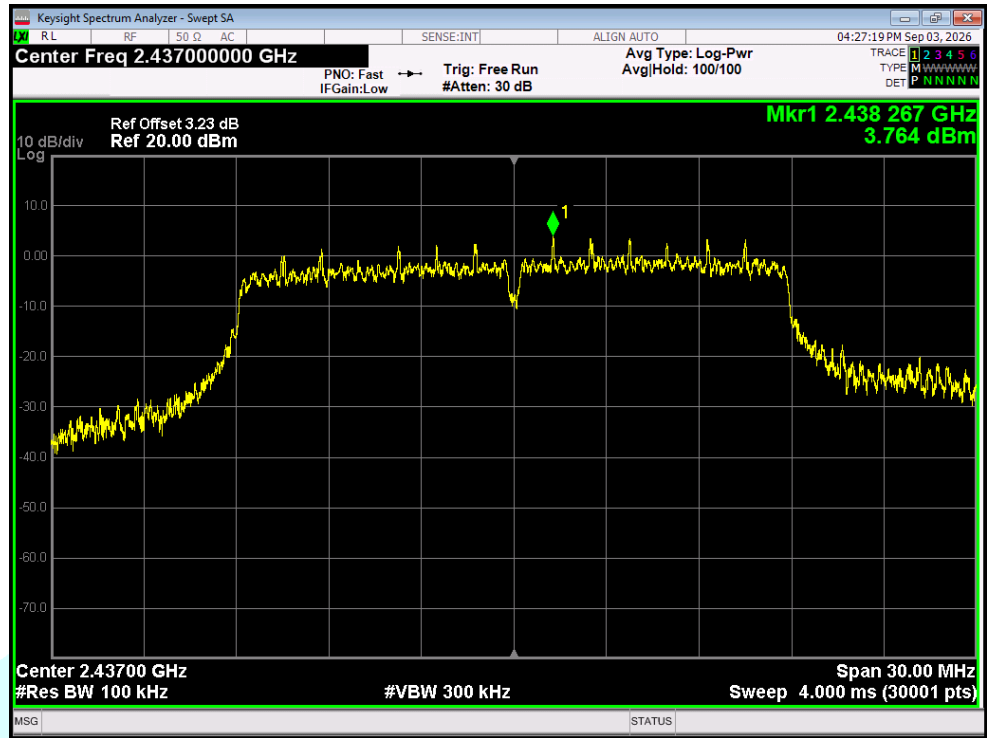
Tx. Spurious n20 2412MHz Ref SISO



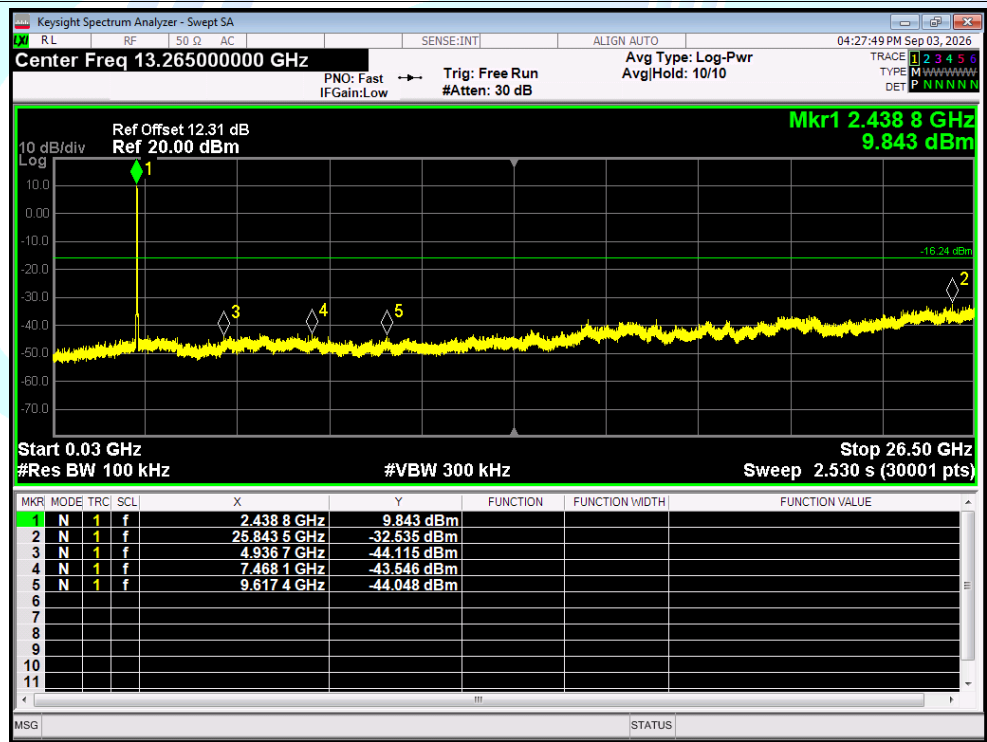
Tx. Spurious n20 2412MHz Emission SISO

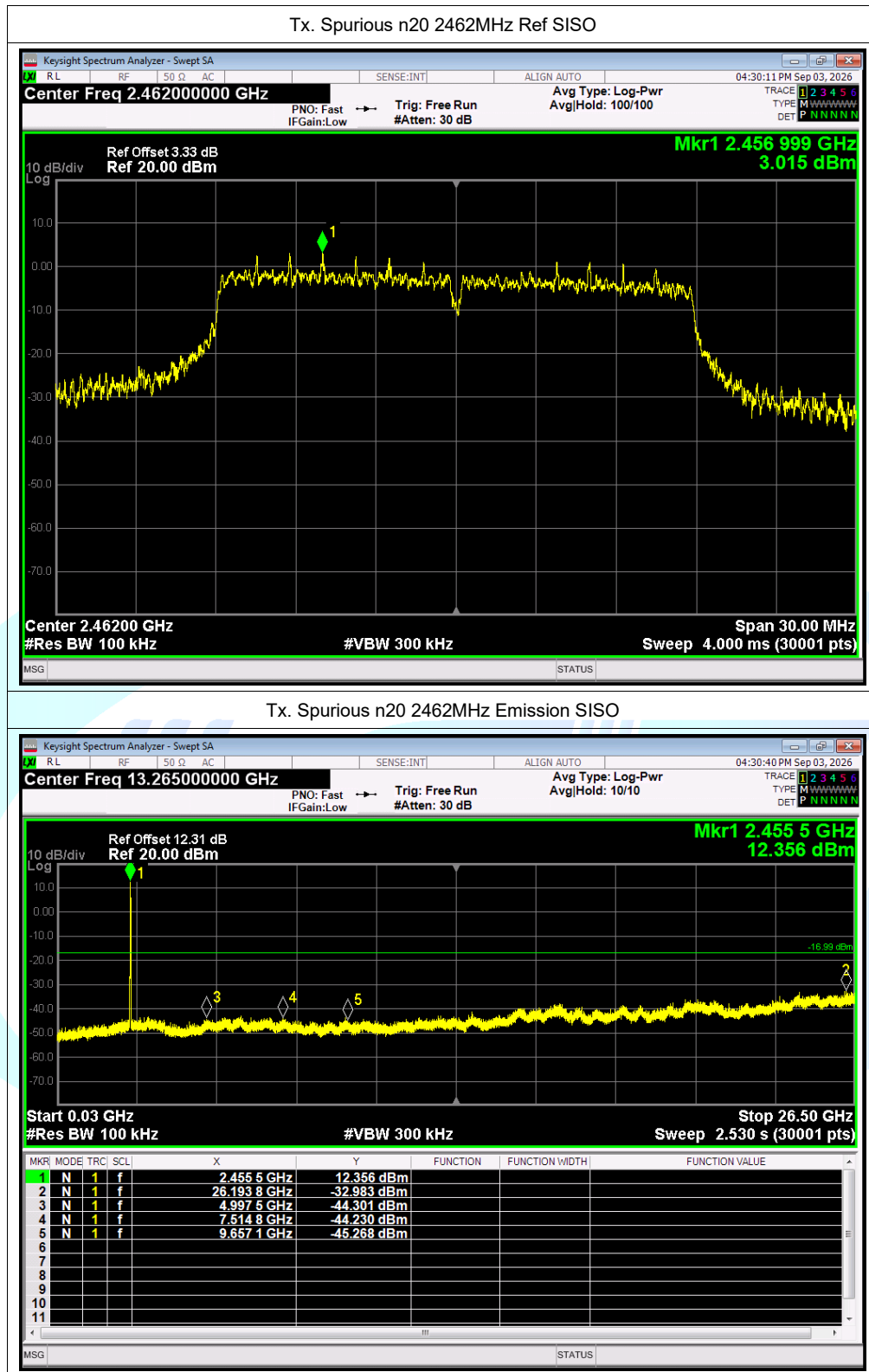


Tx. Spurious n20 2437MHz Ref SISO



Tx. Spurious n20 2437MHz Emission SISO





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