



FCC - TEST REPORT

Appendix A for 709502606891-00B

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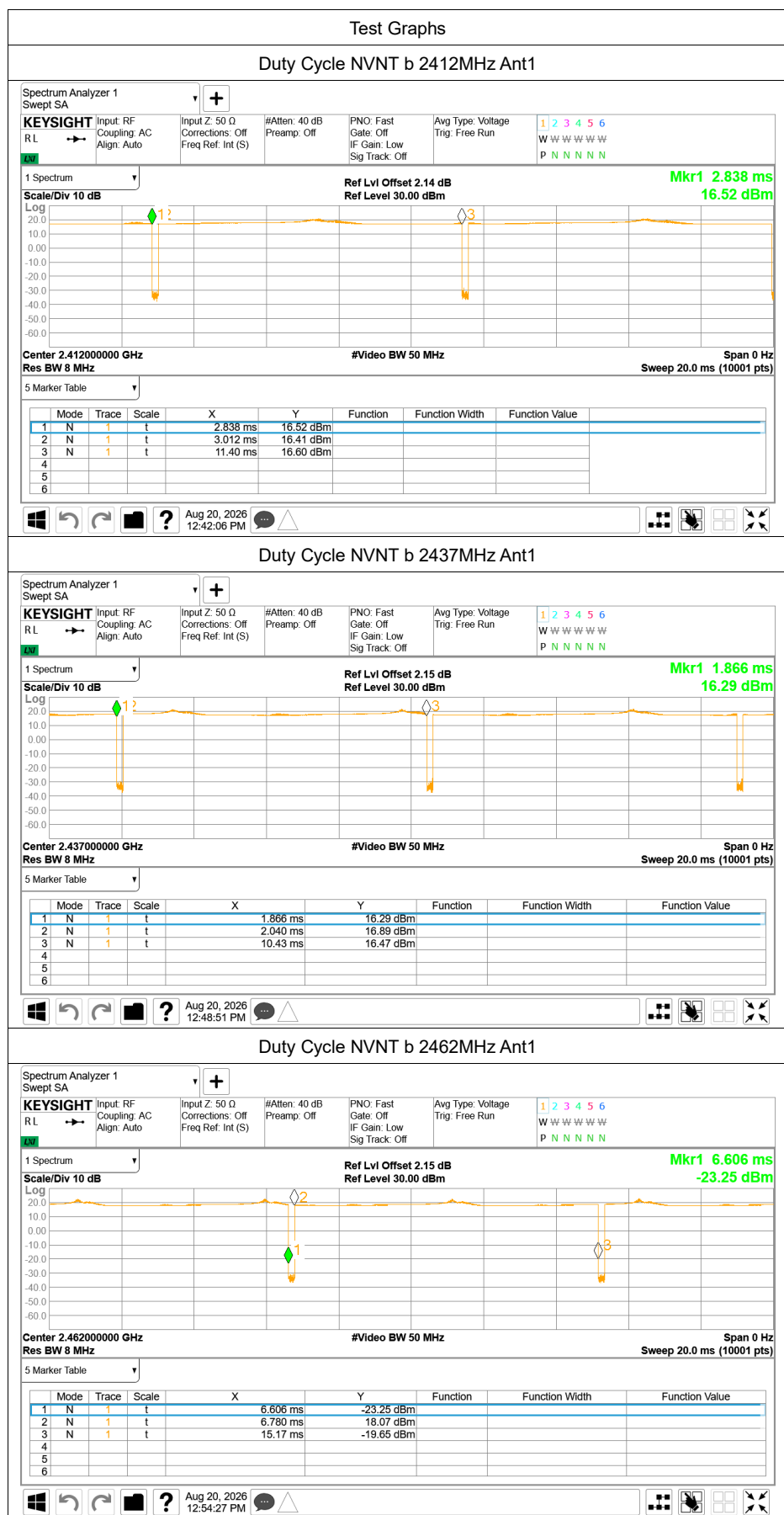
Band Edge 24

Conducted RF Spurious Emission 43



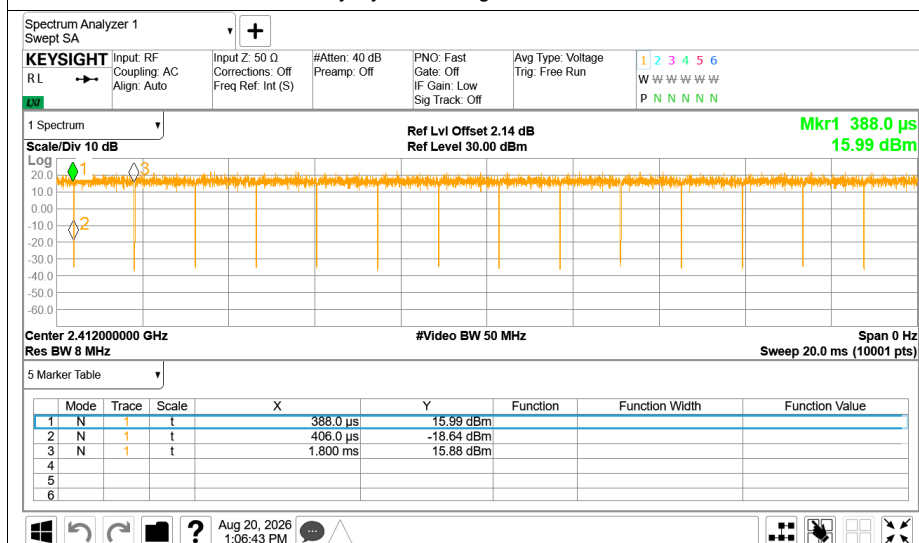
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	97.97	0.09	0.12
NVNT	b	2437	Ant1	97.97	0.09	0.12
NVNT	b	2462	Ant1	97.97	0.09	0.12
NVNT	g	2412	Ant1	98.73	0	0.72
NVNT	g	2437	Ant1	98.73	0	0.72
NVNT	g	2462	Ant1	98.73	0	0.72
NVNT	n20	2412	Ant1	97.67	0.1	5.95
NVNT	n20	2437	Ant1	97.67	0.1	5.95
NVNT	n20	2462	Ant1	97.67	0.1	5.95
NVNT	n40	2422	Ant1	96.23	0.17	9.8
NVNT	n40	2437	Ant1	96.23	0.17	9.8
NVNT	n40	2452	Ant1	96.23	0.17	9.8
NVNT	ax20	2412	Ant1	97.59	0.11	6.17
NVNT	ax20	2437	Ant1	97.59	0.11	6.17
NVNT	ax20	2462	Ant1	97.59	0.11	6.17

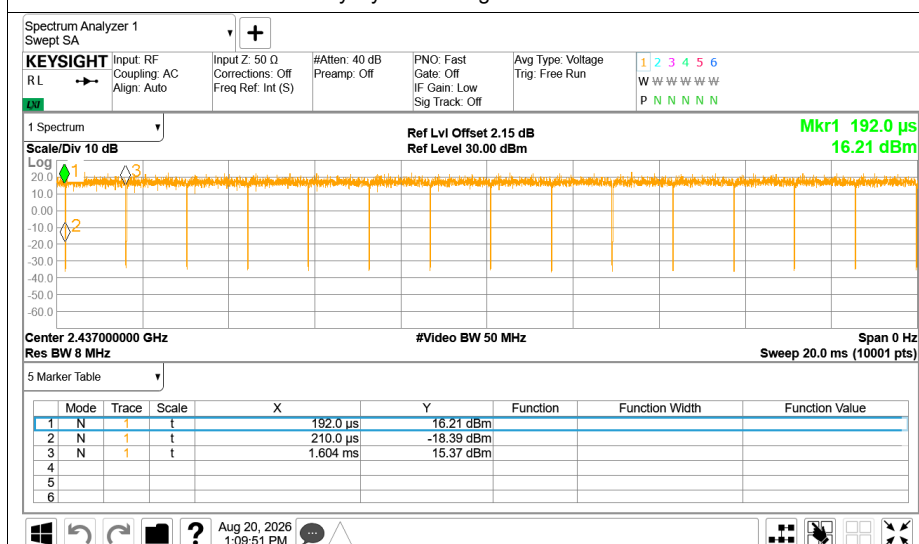




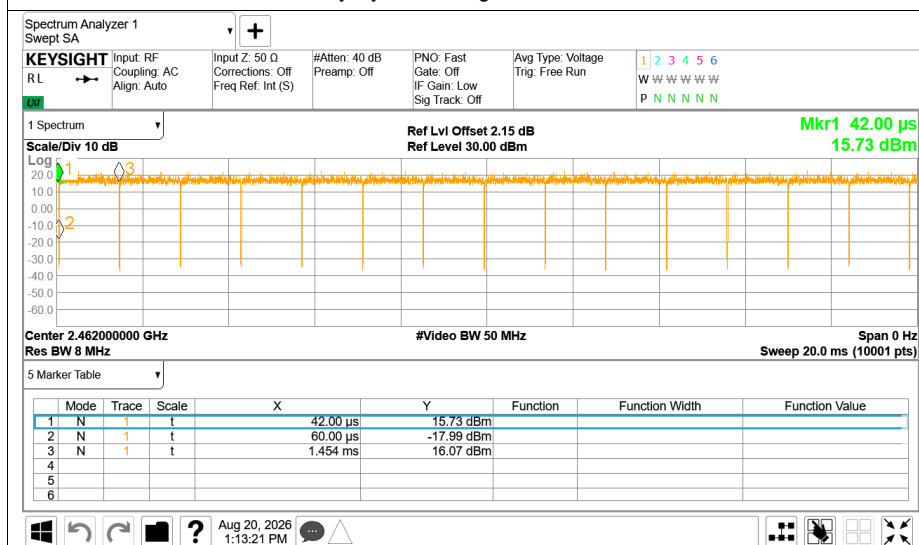
Duty Cycle NVNT g 2412MHz Ant1

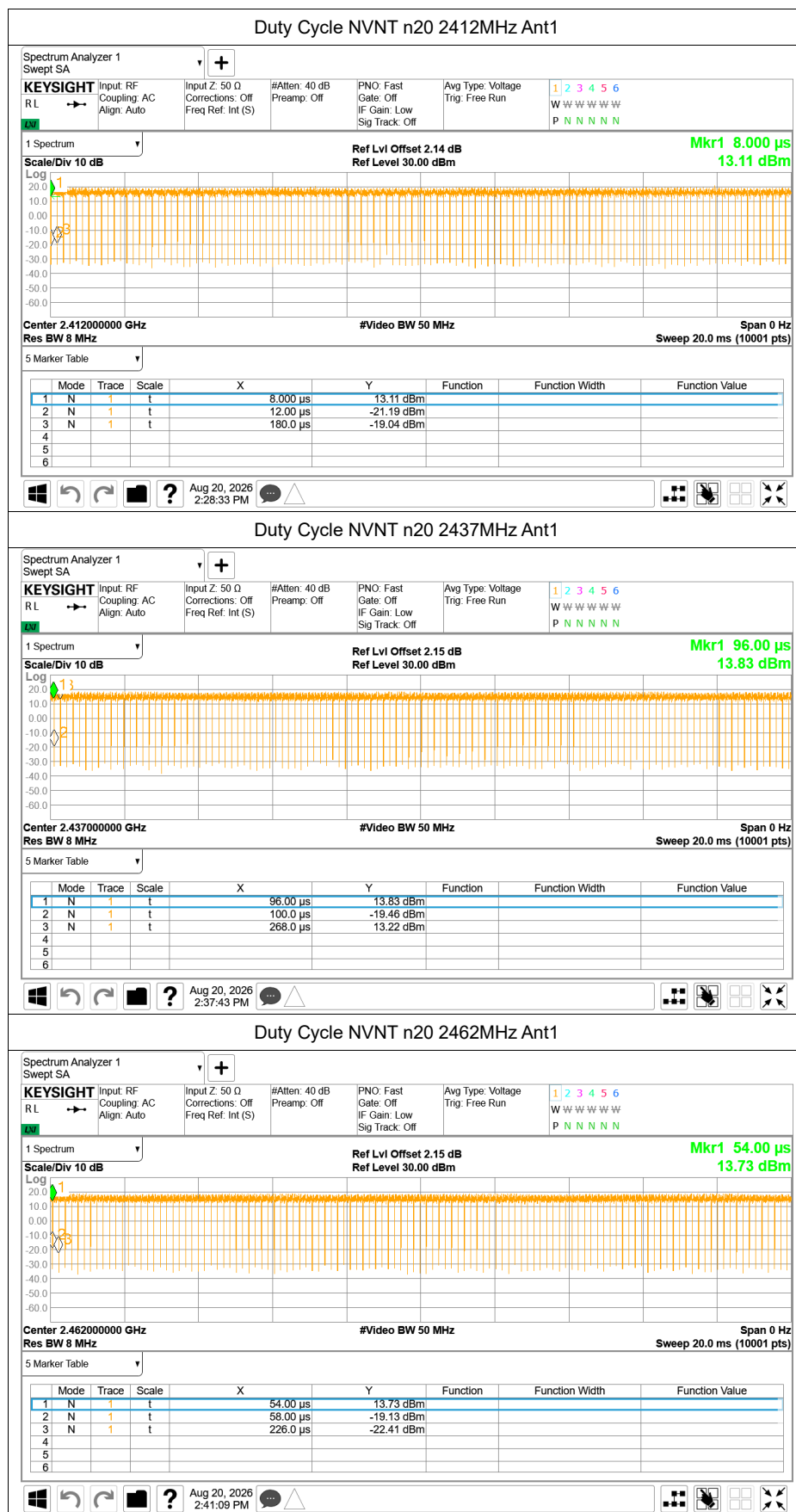


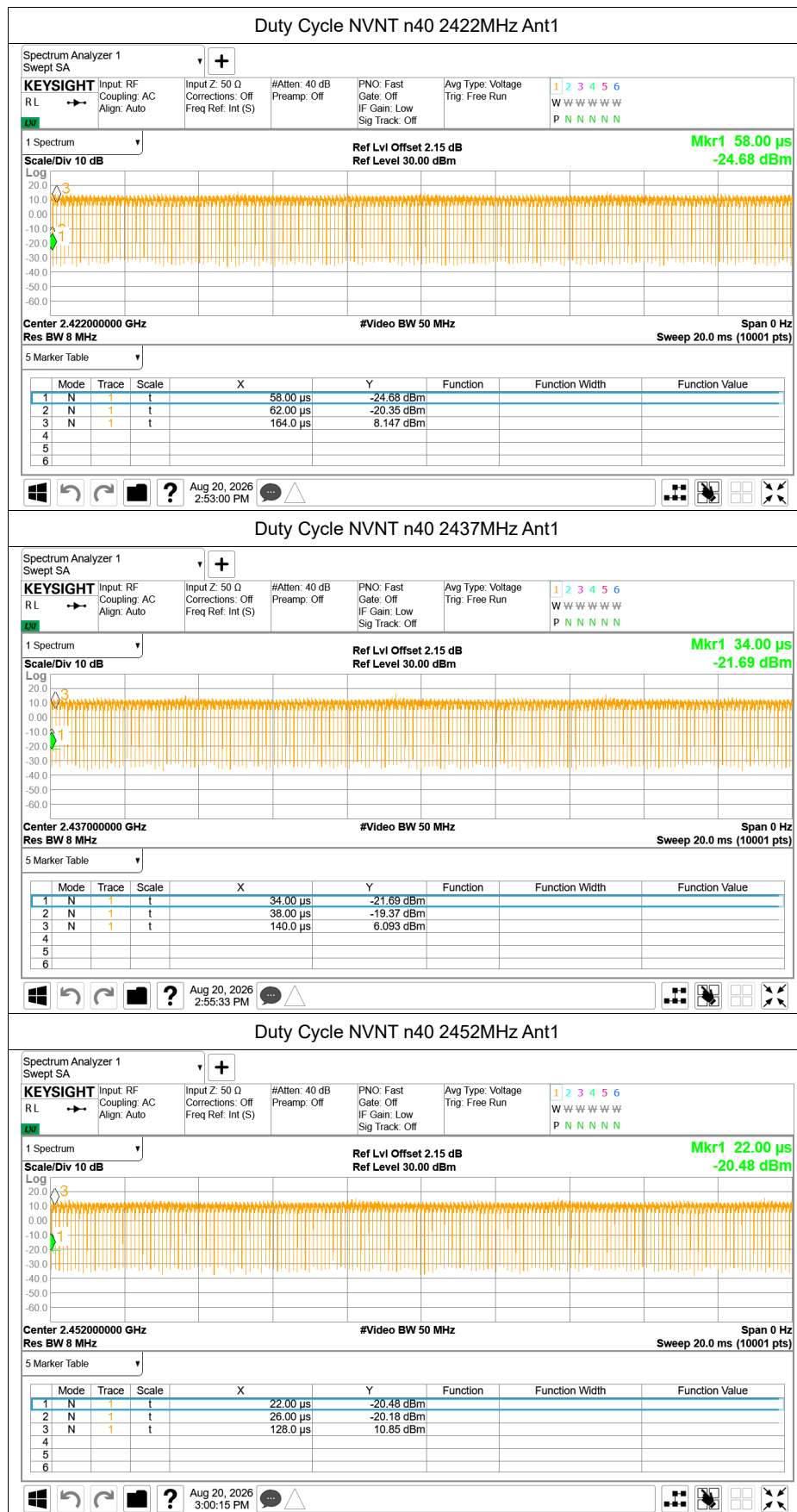
Duty Cycle NVNT g 2437MHz Ant1

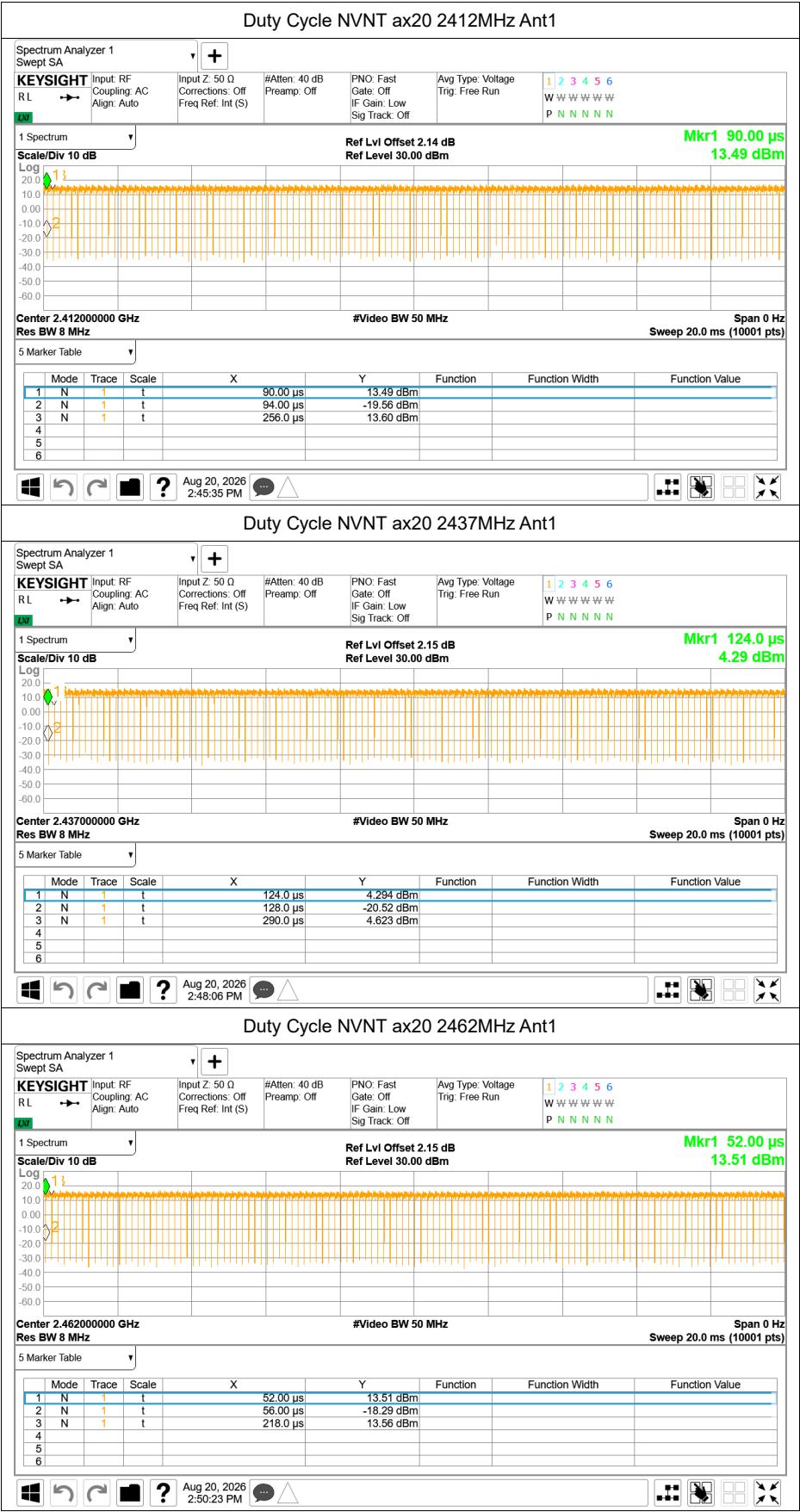


Duty Cycle NVNT g 2462MHz Ant1





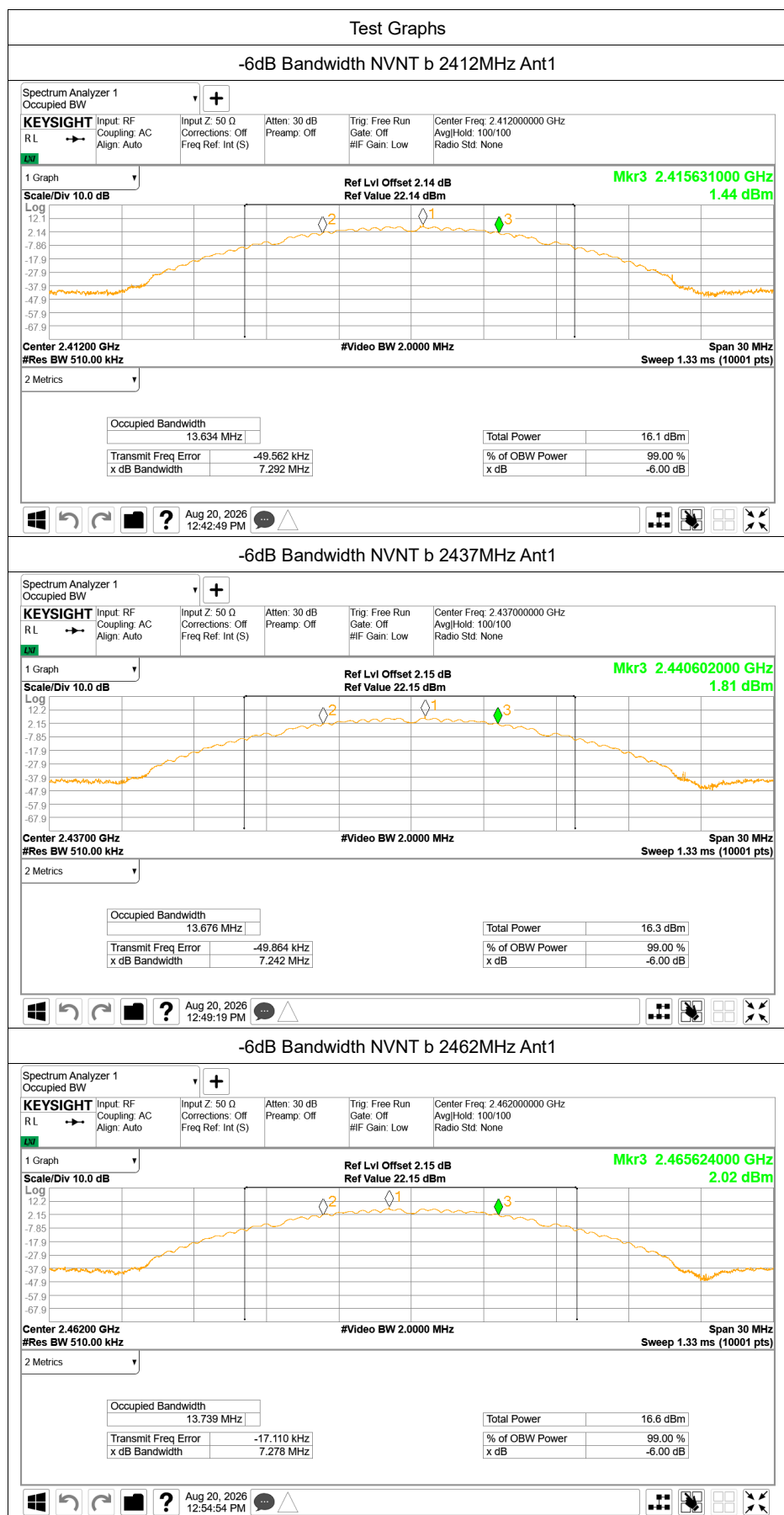


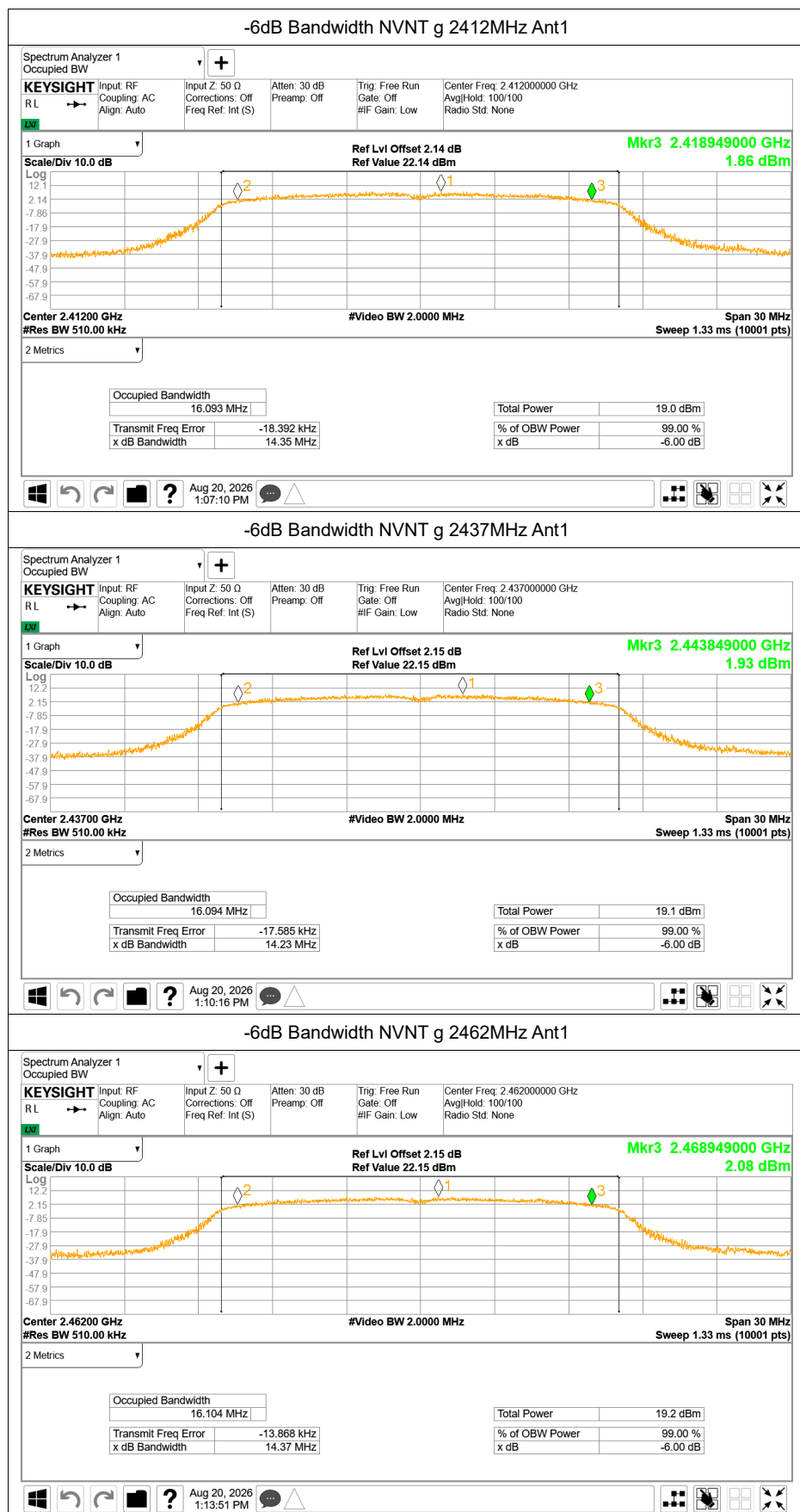


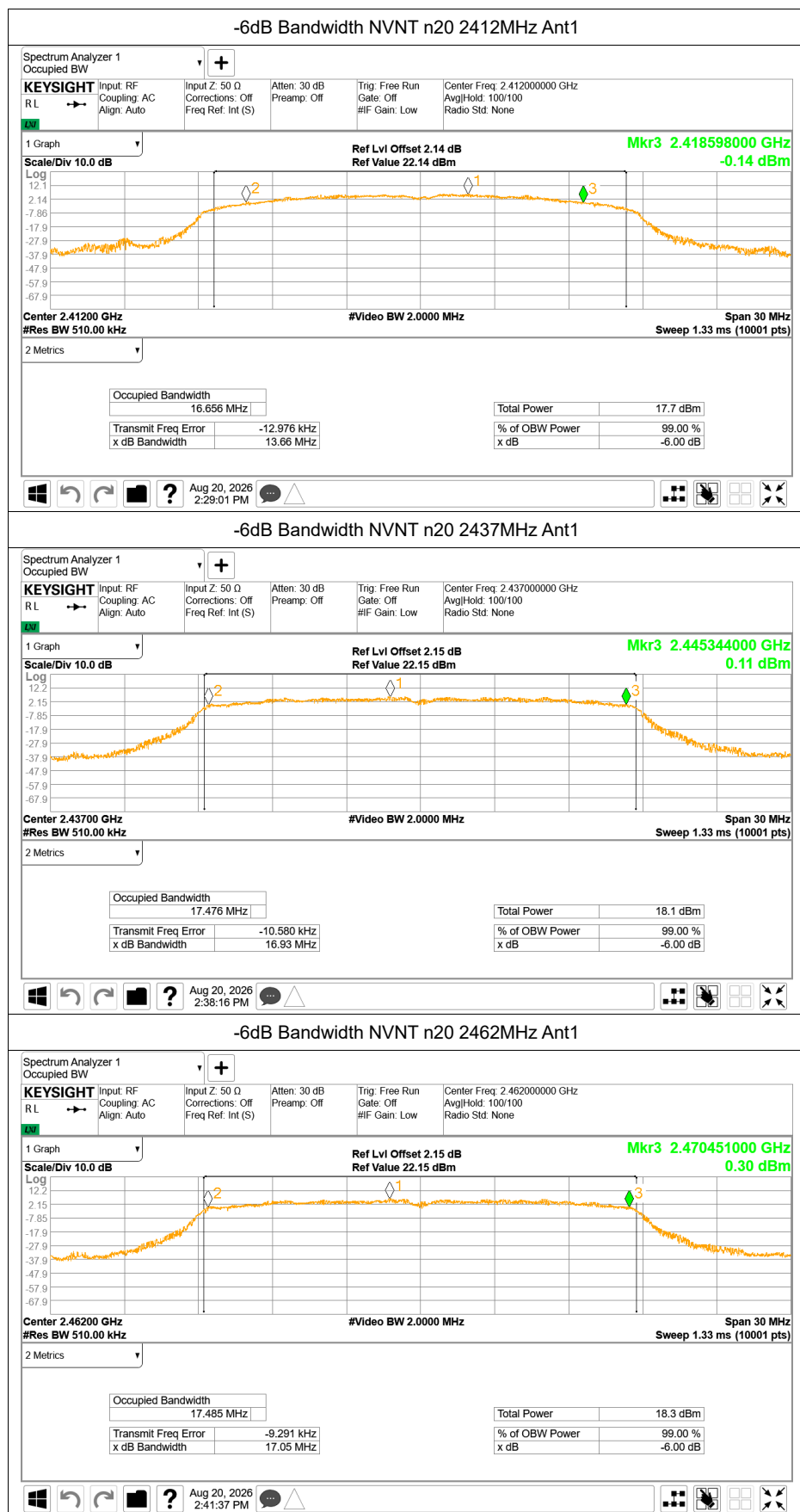


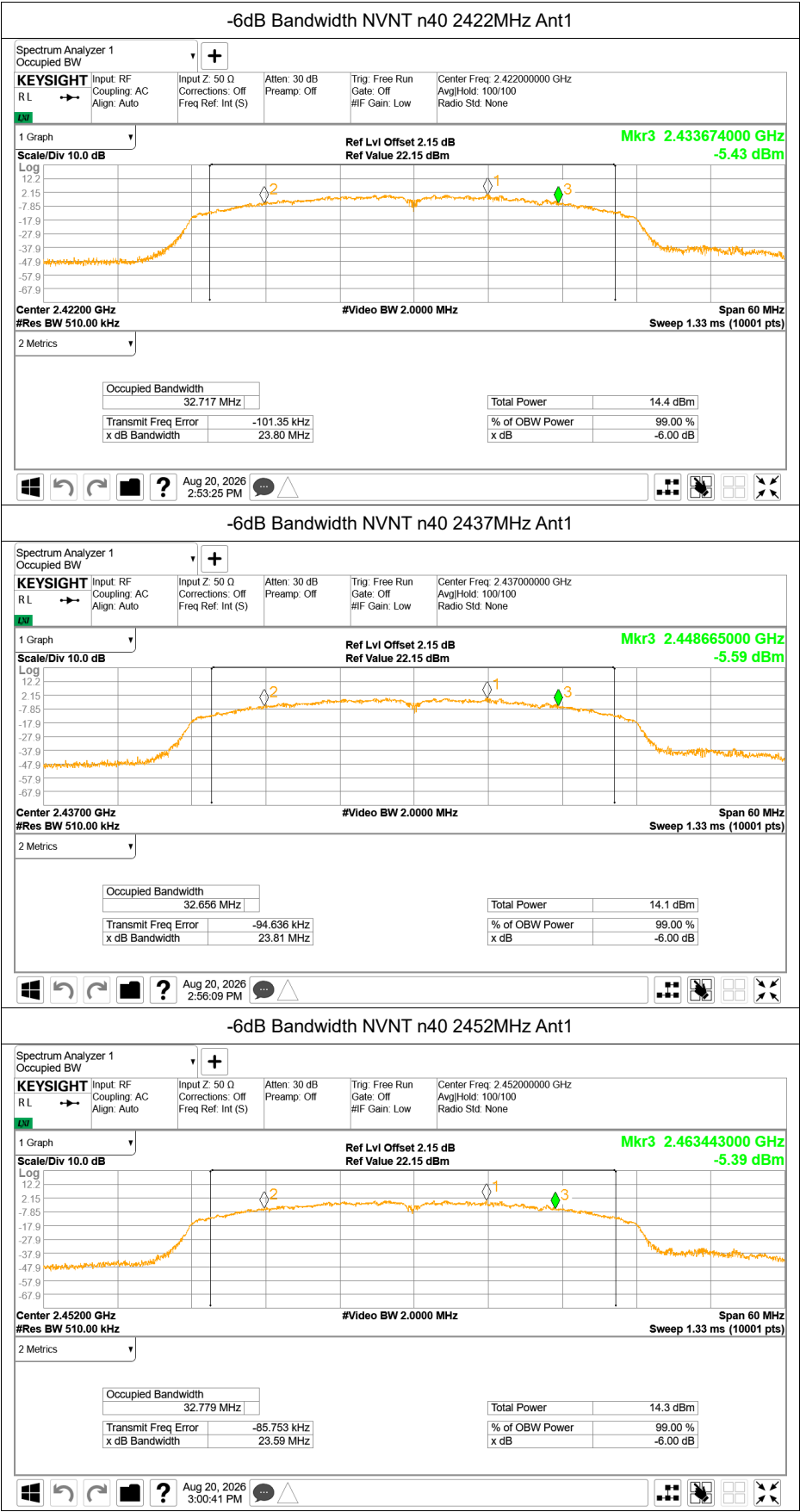
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.292	0.5	Pass
NVNT	b	2437	Ant1	7.242	0.5	Pass
NVNT	b	2462	Ant1	7.278	0.5	Pass
NVNT	g	2412	Ant1	14.35	0.5	Pass
NVNT	g	2437	Ant1	14.233	0.5	Pass
NVNT	g	2462	Ant1	14.368	0.5	Pass
NVNT	n20	2412	Ant1	13.657	0.5	Pass
NVNT	n20	2437	Ant1	16.932	0.5	Pass
NVNT	n20	2462	Ant1	17.052	0.5	Pass
NVNT	n40	2422	Ant1	23.804	0.5	Pass
NVNT	n40	2437	Ant1	23.806	0.5	Pass
NVNT	n40	2452	Ant1	23.589	0.5	Pass
NVNT	ax20	2412	Ant1	13.225	0.5	Pass
NVNT	ax20	2437	Ant1	13.262	0.5	Pass
NVNT	ax20	2462	Ant1	12.754	0.5	Pass









Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF
RL Coupling: AC
Align: Auto

Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)

Atten: 30 dB
Preamp: Off

Trig: Free Run
Gate: Off
#IF Gain: Low

Center Freq: 2.437000000 GHz
Avg/Hold: 100/100
Radio Std: None

Spectrum Analyzer 1
Occupied BW

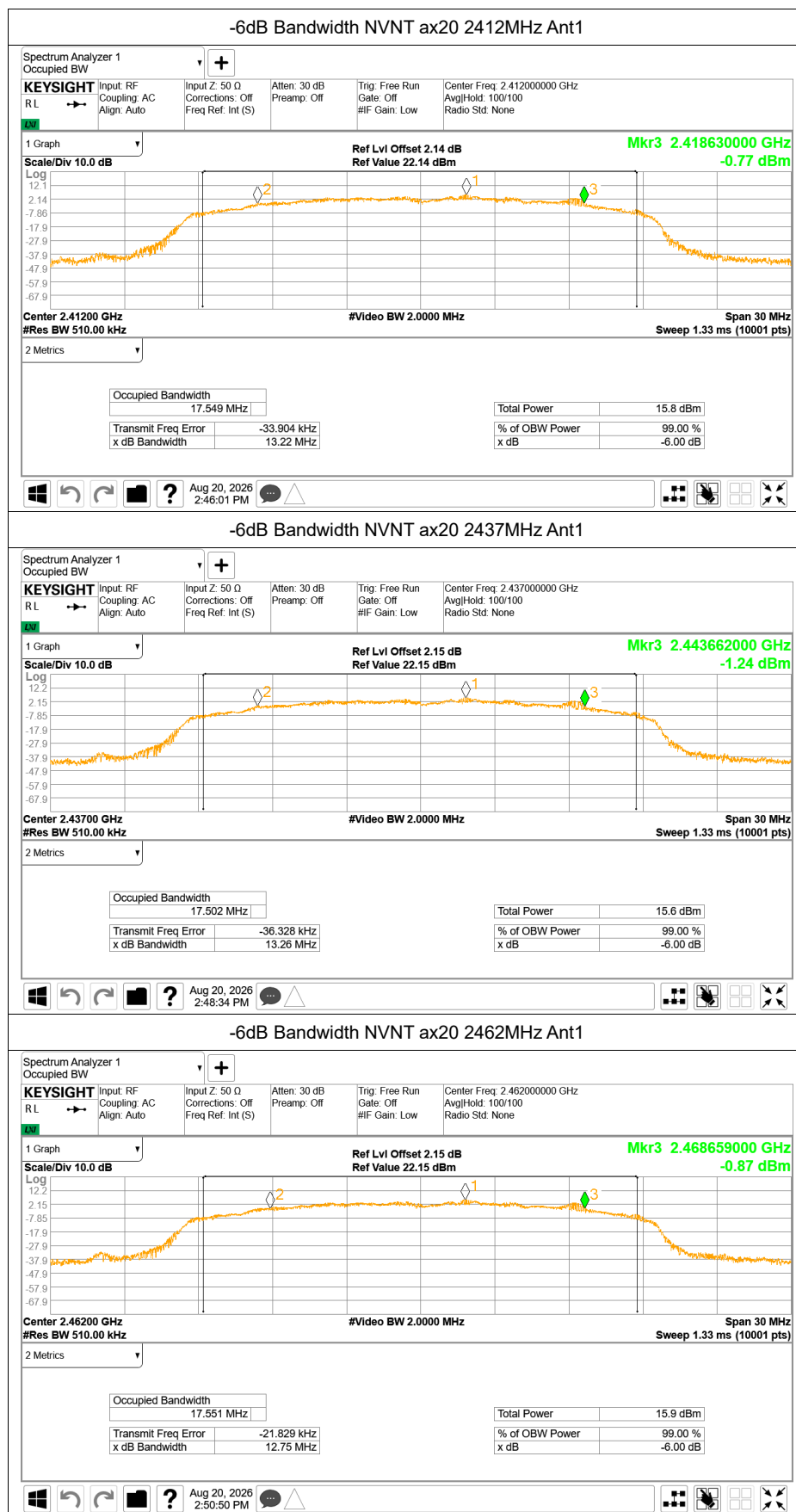
KEYSIGHT Input: RF
RL Coupling: AC
Align: Auto

Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)

Atten: 30 dB
Preamp: Off

Trig: Free Run
Gate: Off
#IF Gain: Low

Center Freq: 2.452000000 GHz
Avg/Hold: 100/100
Radio Std: None





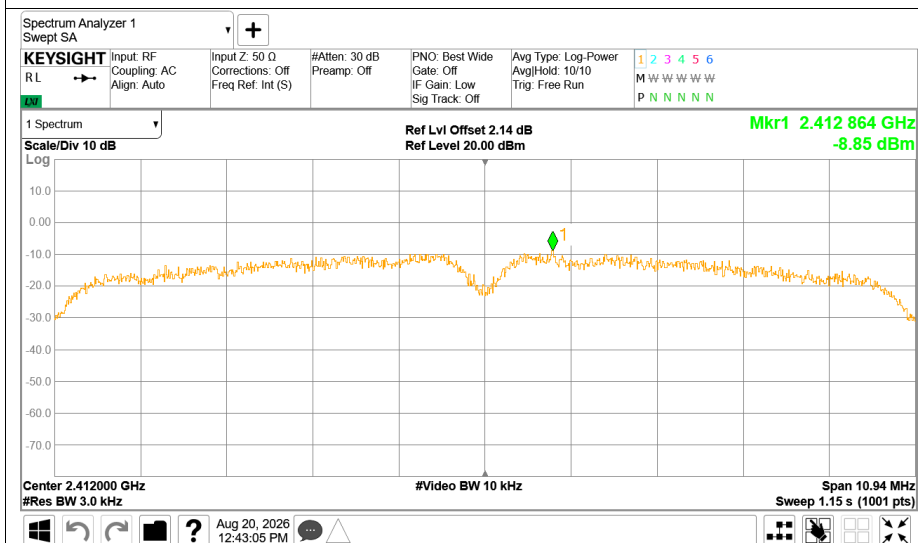
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-8.85	0	-8.85	8	Pass
NVNT	b	2437	Ant1	-9.36	0	-9.36	8	Pass
NVNT	b	2462	Ant1	-8.49	0	-8.49	8	Pass
NVNT	g	2412	Ant1	-11.5	0	-11.5	8	Pass
NVNT	g	2437	Ant1	-11.17	0	-11.17	8	Pass
NVNT	g	2462	Ant1	-11.6	0	-11.6	8	Pass
NVNT	n20	2412	Ant1	-10.79	0	-10.79	8	Pass
NVNT	n20	2437	Ant1	-10.64	0	-10.64	8	Pass
NVNT	n20	2462	Ant1	-10.5	0	-10.5	8	Pass
NVNT	n40	2422	Ant1	-14.05	0	-14.05	8	Pass
NVNT	n40	2437	Ant1	-13.99	0	-13.99	8	Pass
NVNT	n40	2452	Ant1	-14.46	0	-14.46	8	Pass
NVNT	ax20	2412	Ant1	-14.41	0	-14.41	8	Pass
NVNT	ax20	2437	Ant1	-14.3	0	-14.3	8	Pass
NVNT	ax20	2462	Ant1	-14.09	0	-14.09	8	Pass
NVNT	ax20 106 Tone	2412	Ant1	-20.71	0	-20.71	8	Pass
NVNT	ax20 106 Tone	2437	Ant1	-20.88	0	-20.88	8	Pass
NVNT	ax20 106 Tone	2462	Ant1	-21.21	0	-21.21	8	Pass
NVNT	ax20 242 Tone	2412	Ant1	-22.56	0	-22.56	8	Pass
NVNT	ax20 242 Tone	2437	Ant1	-23.07	0	-23.07	8	Pass
NVNT	ax20 242 Tone	2462	Ant1	-23.74	0	-23.74	8	Pass
NVNT	ax20 26 Tone	2412	Ant1	-21.66	0	-21.66	8	Pass
NVNT	ax20 26 Tone	2437	Ant1	-14.6	0	-14.6	8	Pass
NVNT	ax20 26 Tone	2462	Ant1	-22.25	0	-22.25	8	Pass
NVNT	ax20 52 Tone	2412	Ant1	-19.43	0	-19.43	8	Pass
NVNT	ax20 52 Tone	2437	Ant1	-17.09	0	-17.09	8	Pass
NVNT	ax20 52 Tone	2462	Ant1	-22.12	0	-22.12	8	Pass

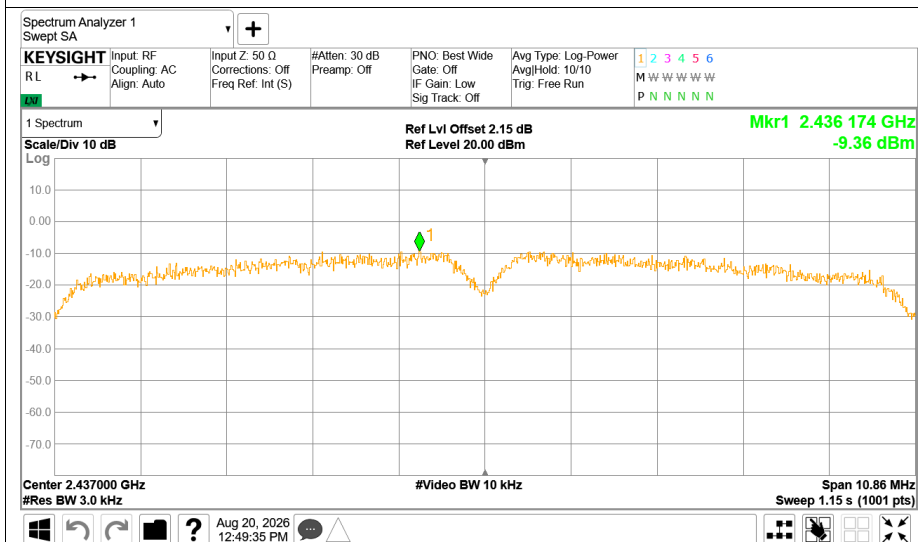


Test Graphs

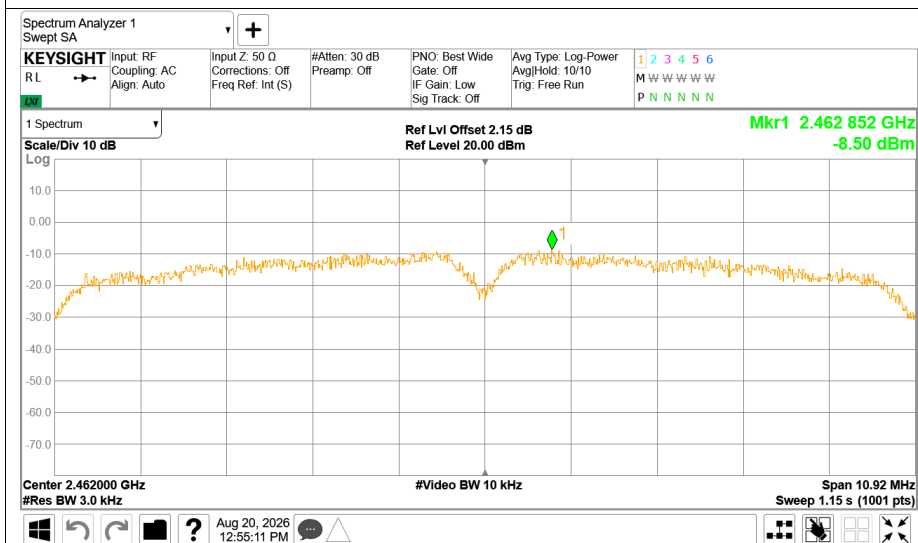
PSD NVNT b 2412MHz Ant1

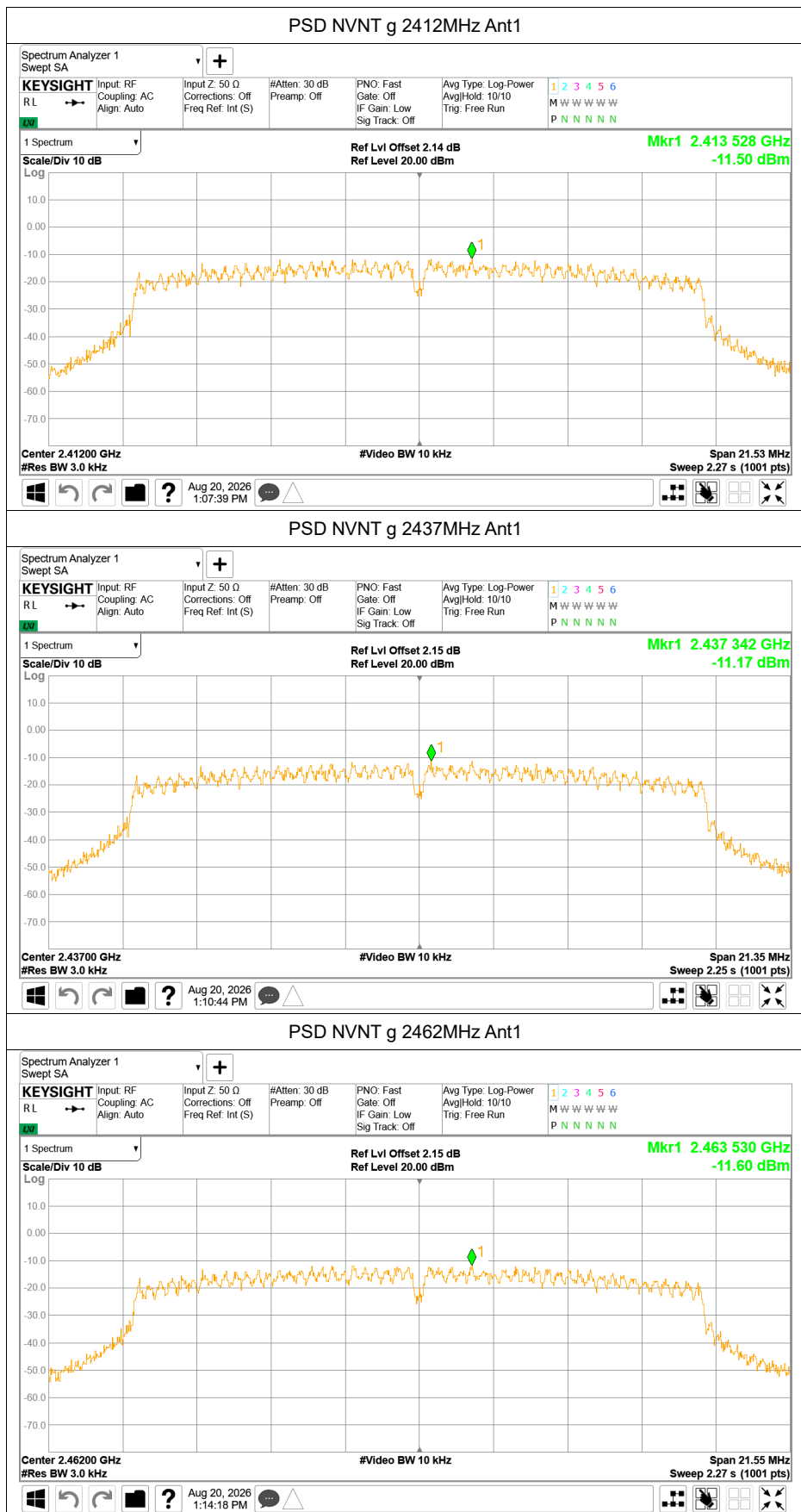


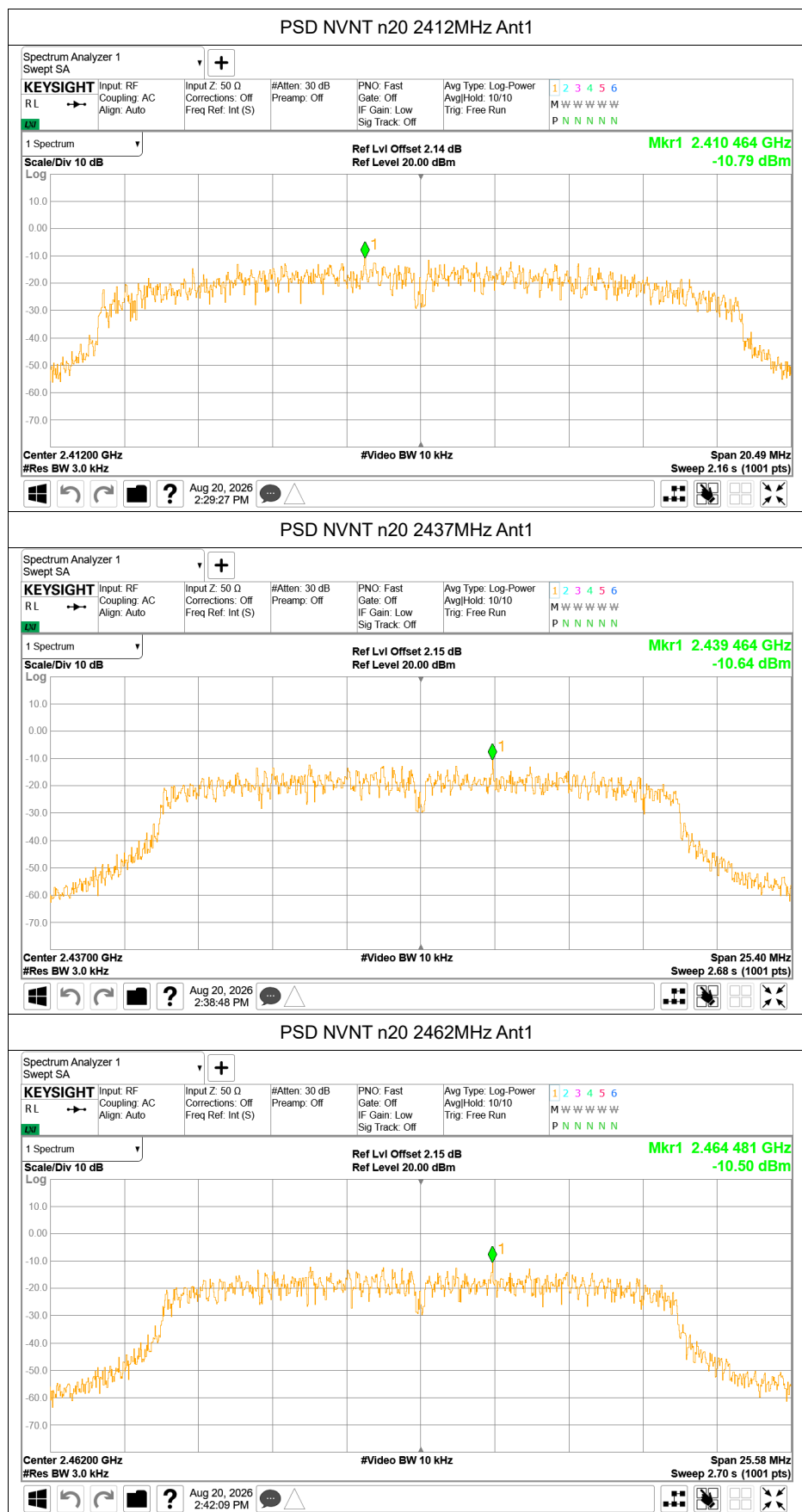
PSD NVNT b 2437MHz Ant1

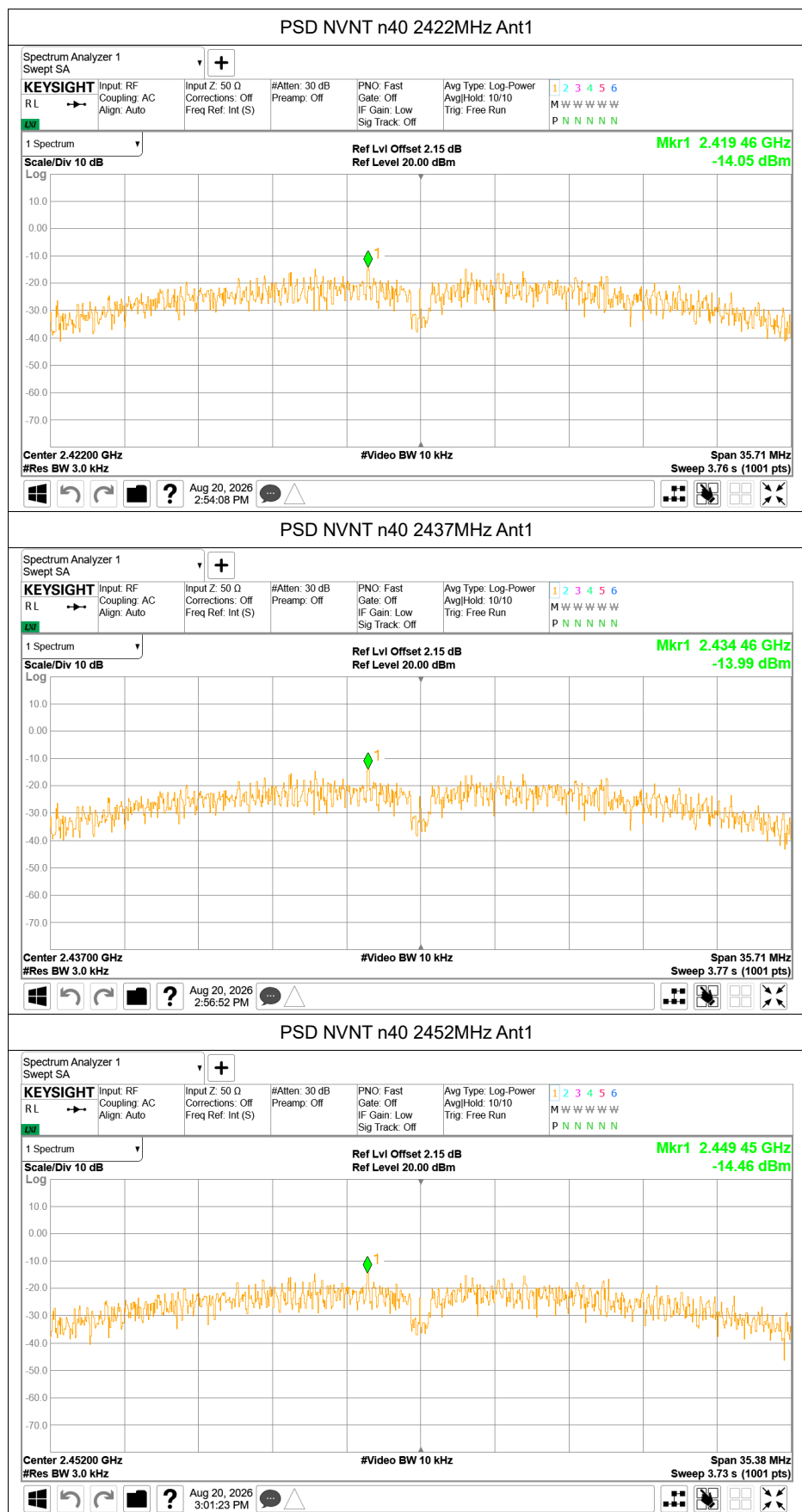


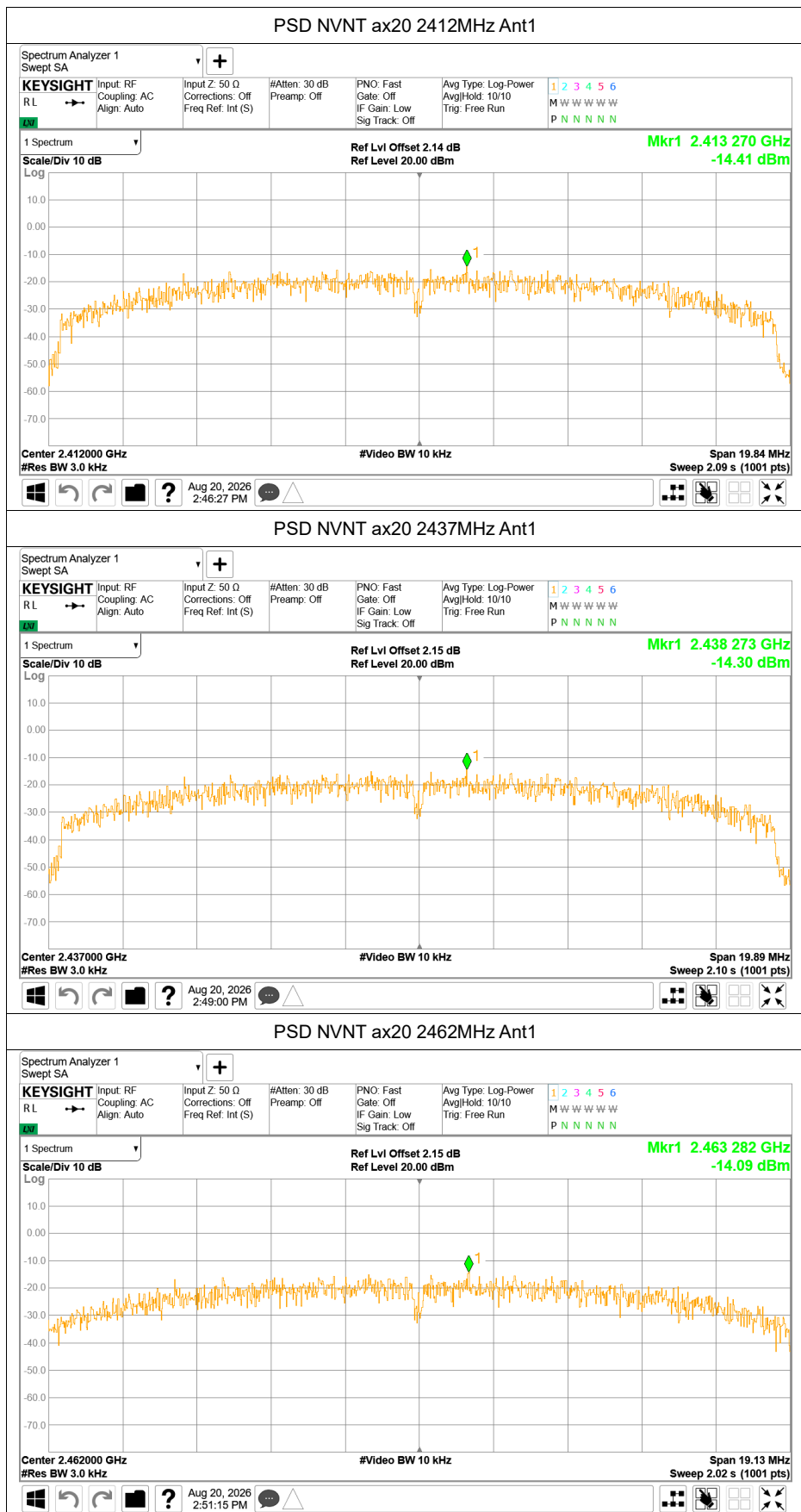
PSD NVNT b 2462MHz Ant1

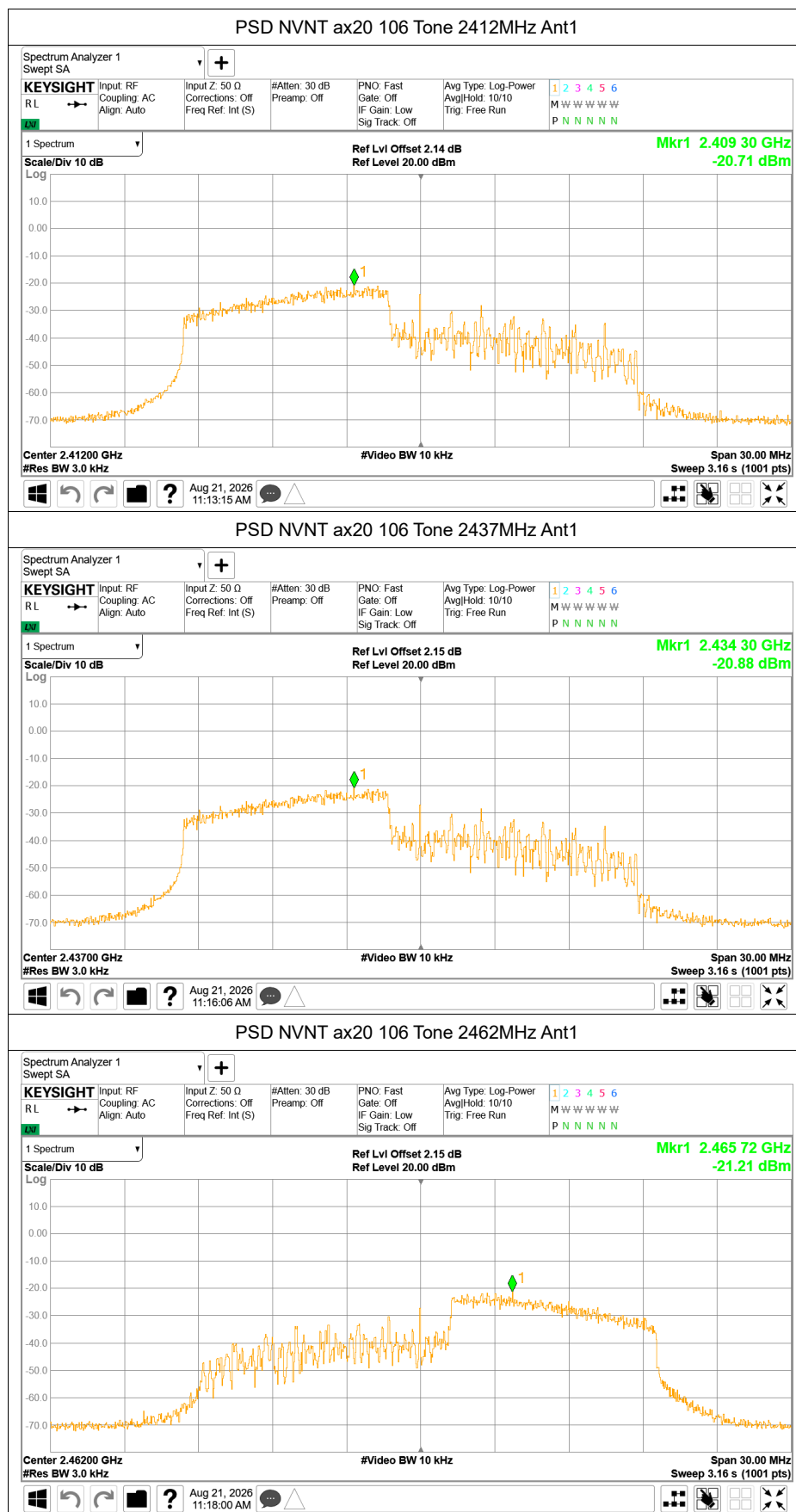


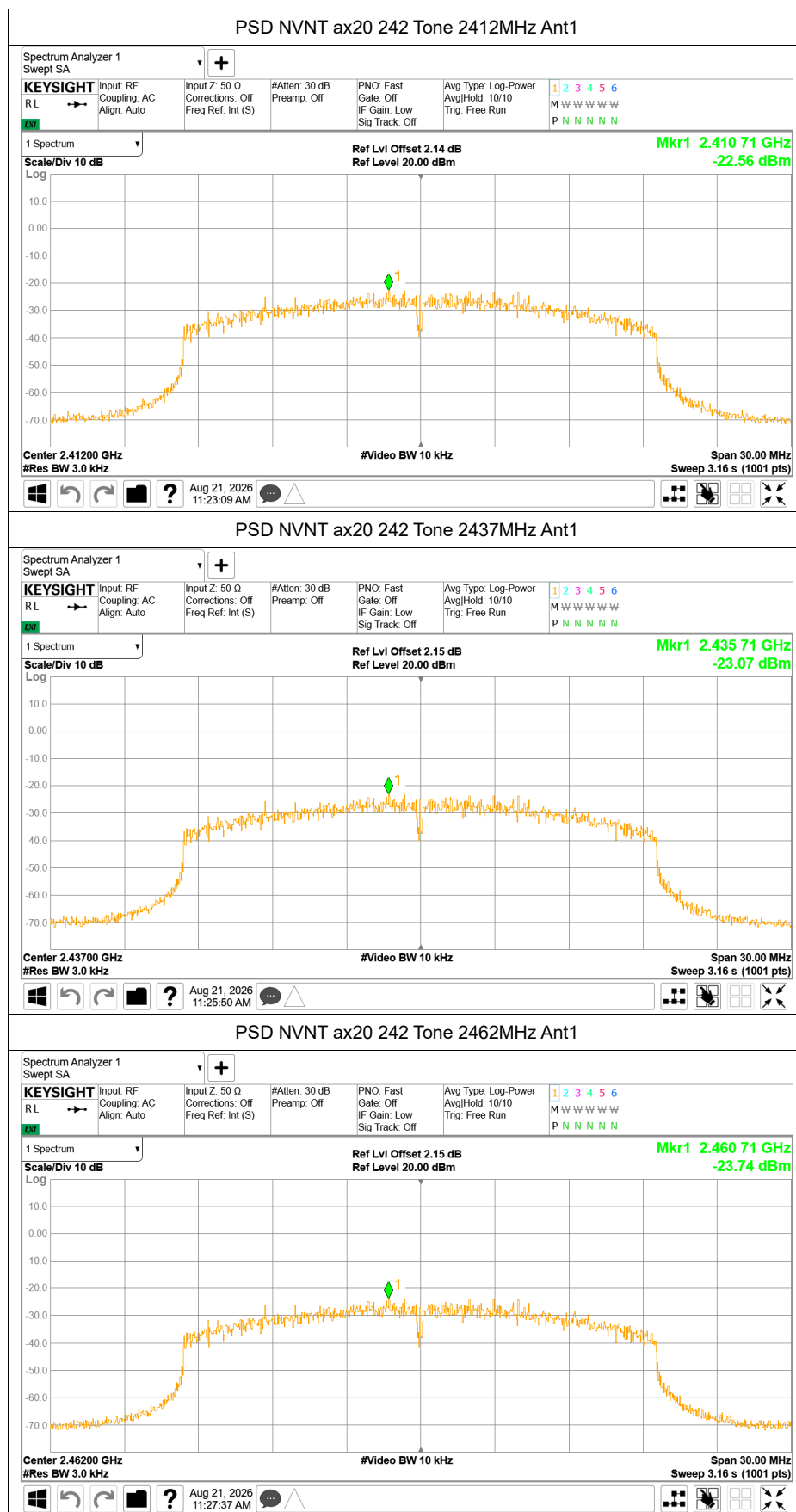


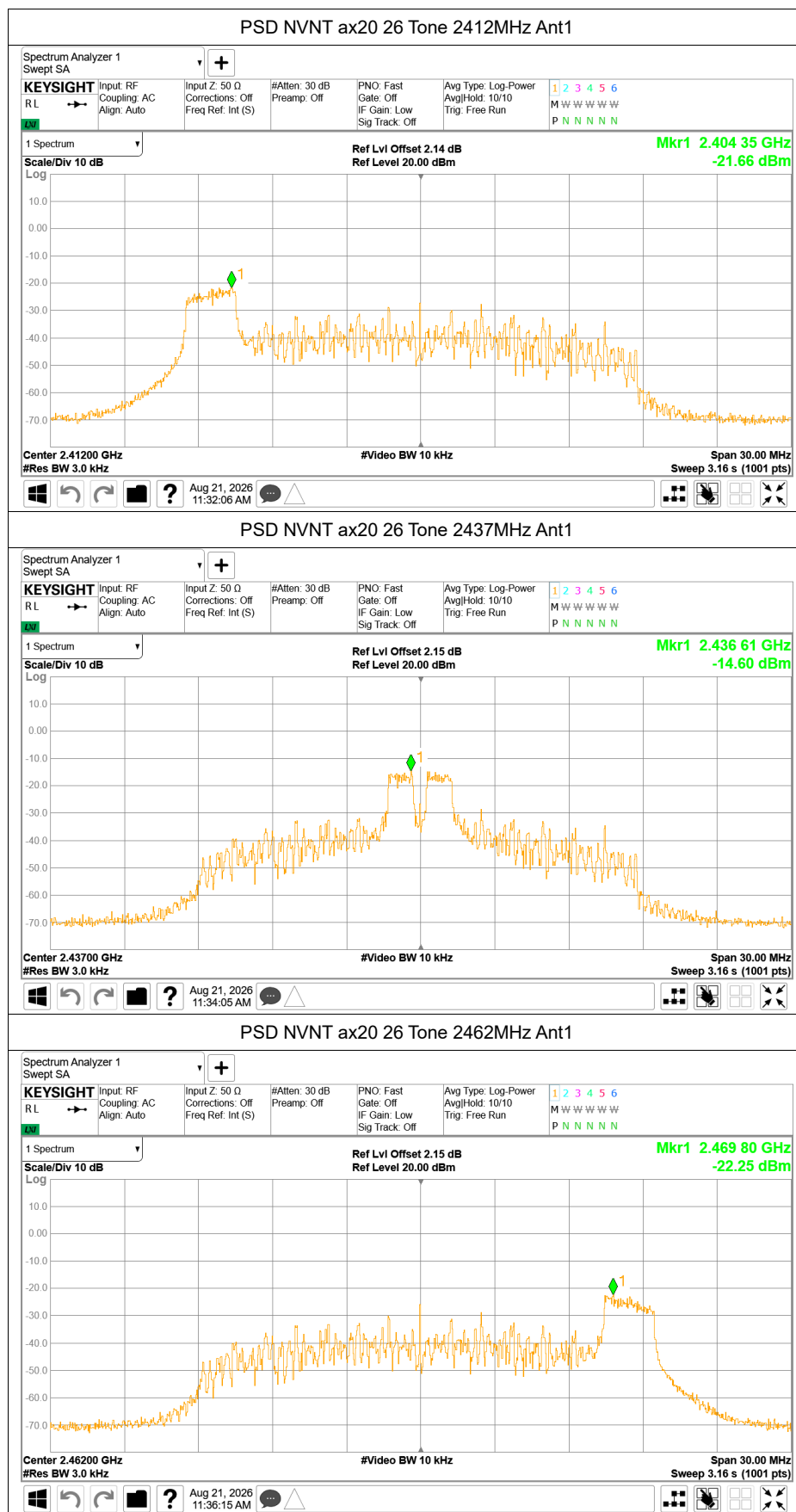


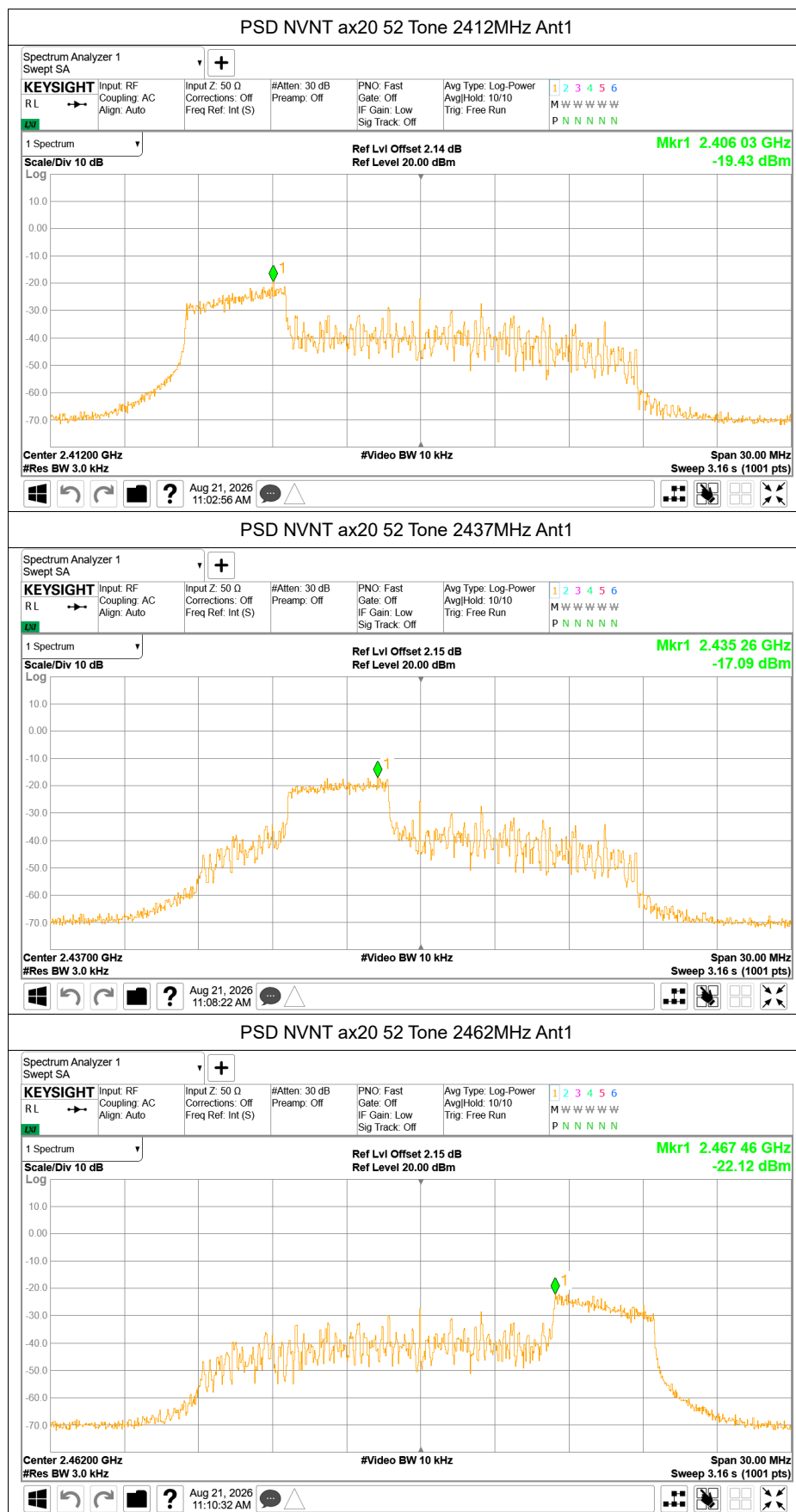














Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-57.13	-20	Pass
NVNT	b	2462	Ant1	-57.35	-20	Pass
NVNT	g	2412	Ant1	-51.18	-20	Pass
NVNT	g	2462	Ant1	-47.27	-20	Pass
NVNT	n20	2412	Ant1	-54.66	-20	Pass
NVNT	n20	2462	Ant1	-48.65	-20	Pass
NVNT	n40	2422	Ant1	-48.54	-20	Pass
NVNT	n40	2452	Ant1	-42.23	-20	Pass
NVNT	ax20	2412	Ant1	-52.65	-20	Pass
NVNT	ax20	2462	Ant1	-51.75	-20	Pass
NVNT	ax20 106 Tone	2412	Ant1	-45.56	-20	Pass
NVNT	ax20 106 Tone	2462	Ant1	-45.38	-20	Pass
NVNT	ax20 242 Tone	2412	Ant1	-43.85	-20	Pass
NVNT	ax20 242 Tone	2462	Ant1	-44.62	-20	Pass
NVNT	ax20 26 Tone	2412	Ant1	-44.36	-20	Pass
NVNT	ax20 26 Tone	2462	Ant1	-44.98	-20	Pass
NVNT	ax20 52 Tone	2412	Ant1	-44.11	-20	Pass
NVNT	ax20 52 Tone	2462	Ant1	-45.93	-20	Pass

