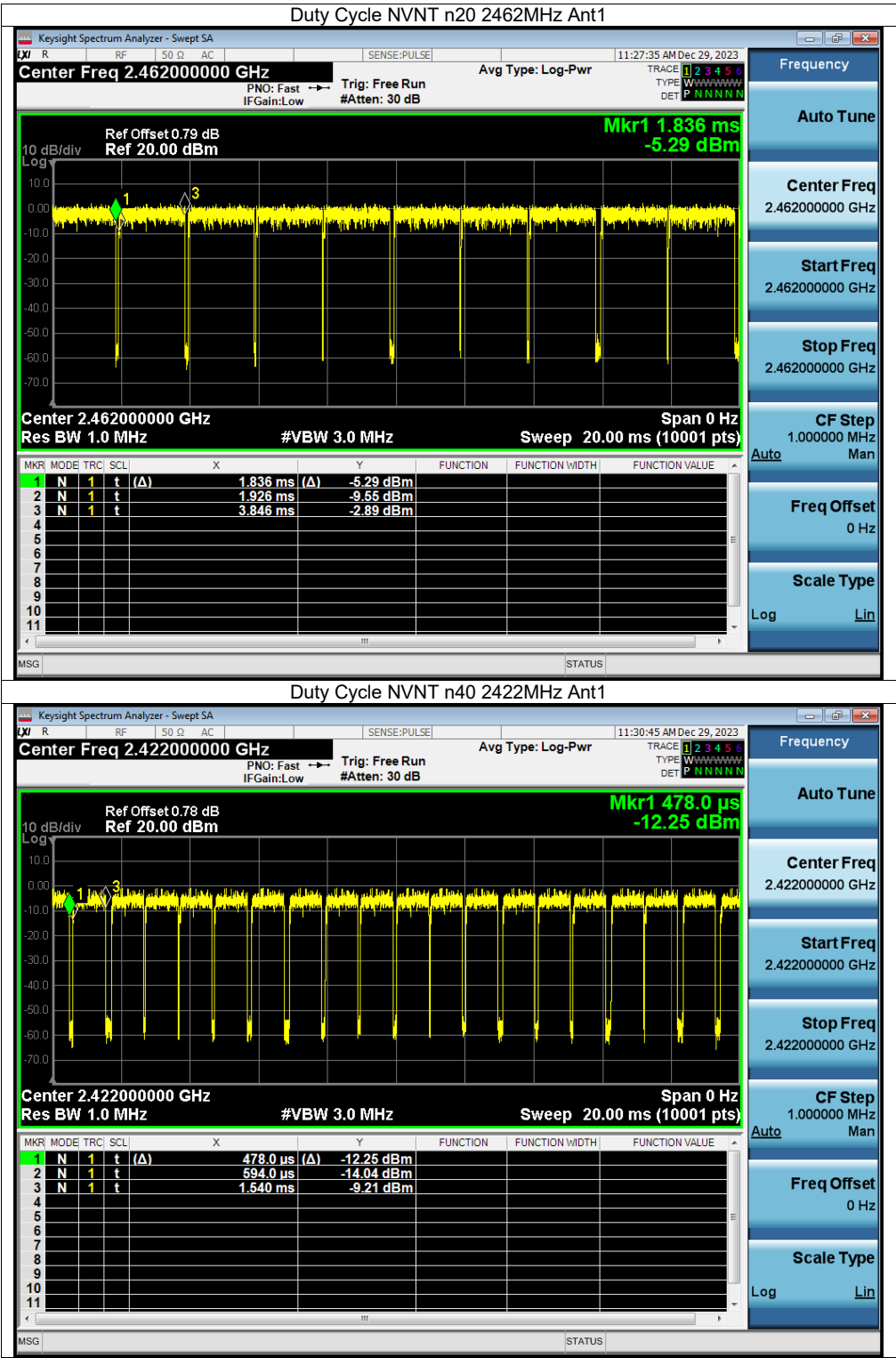
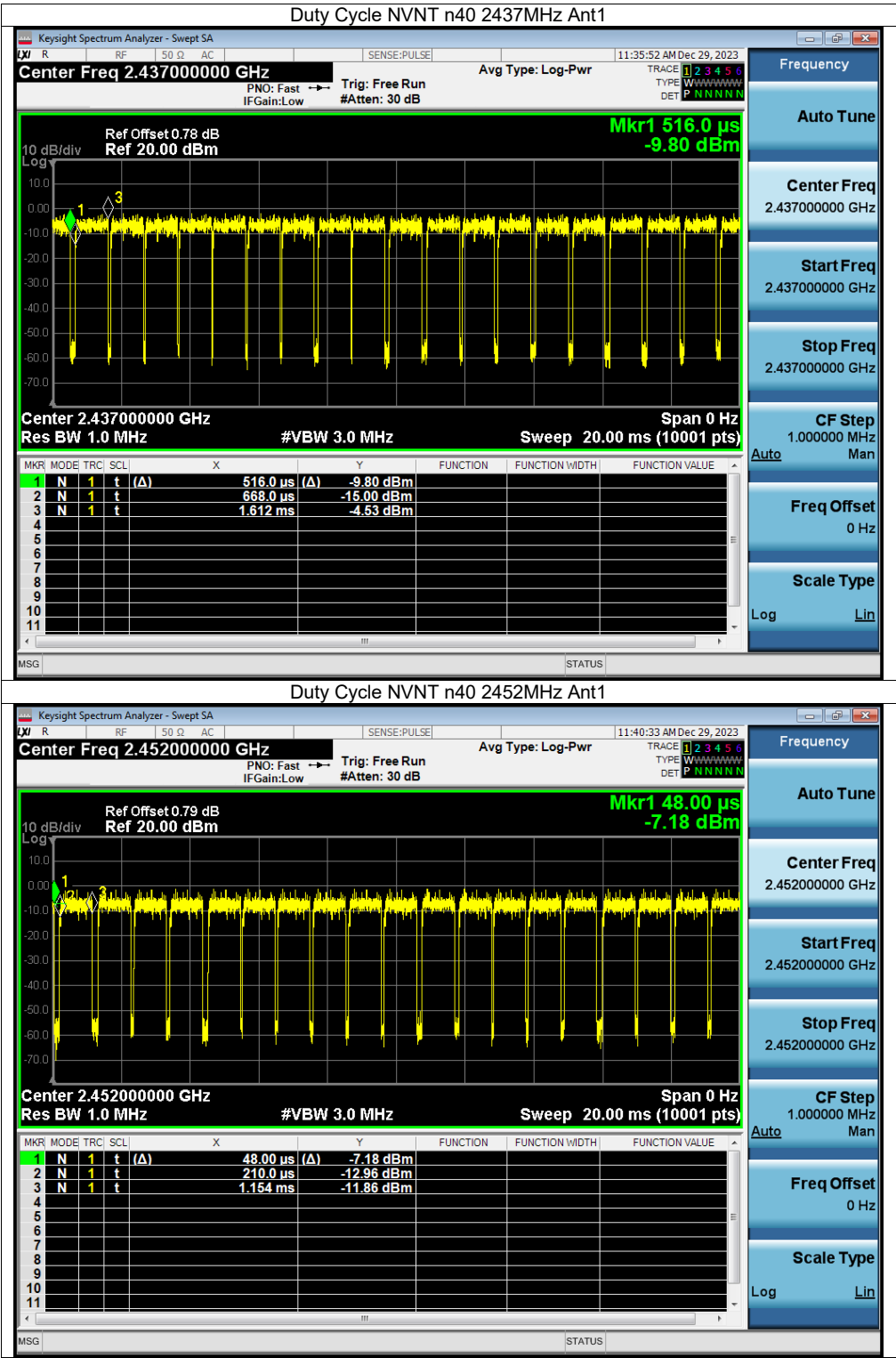




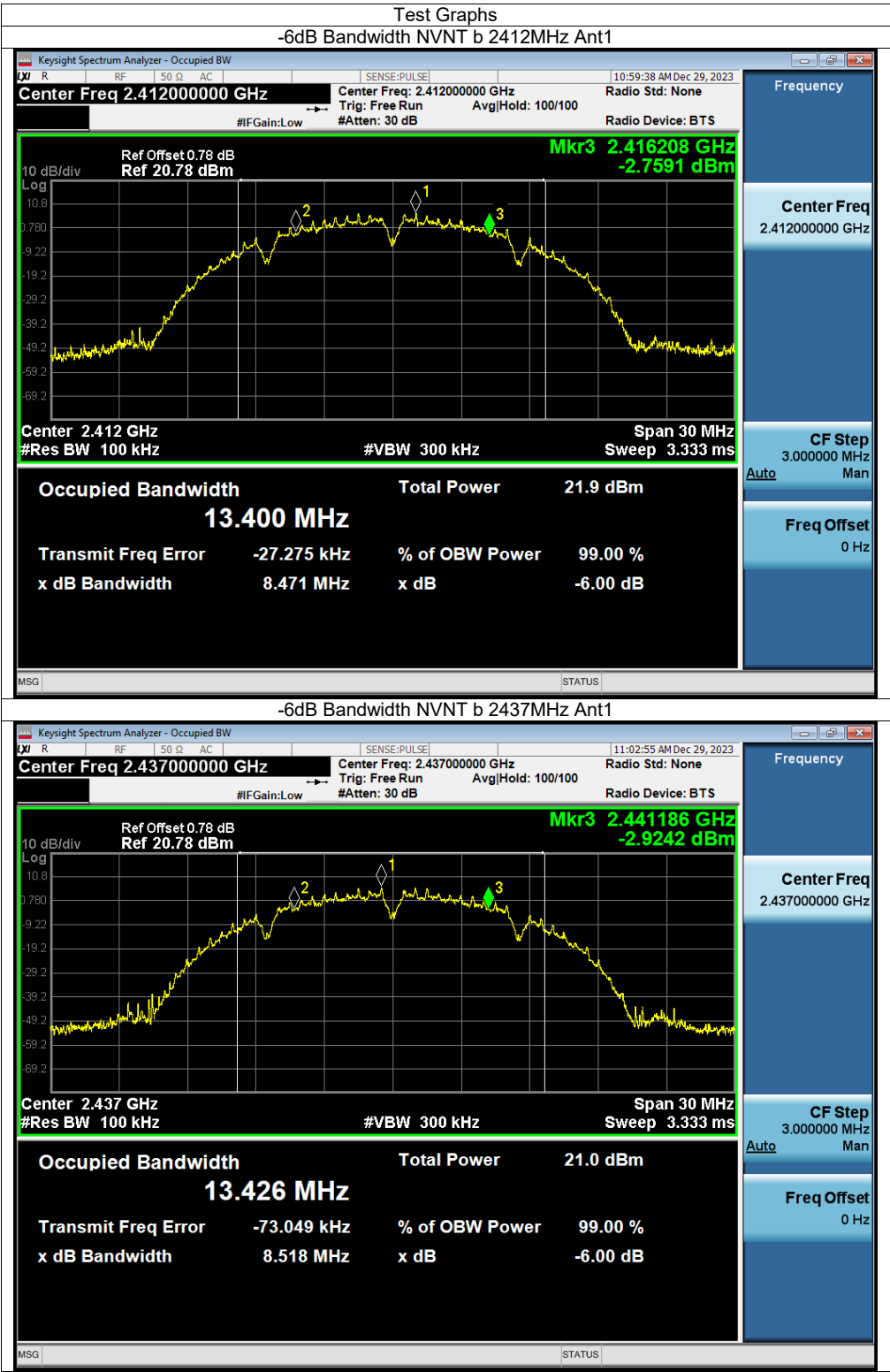


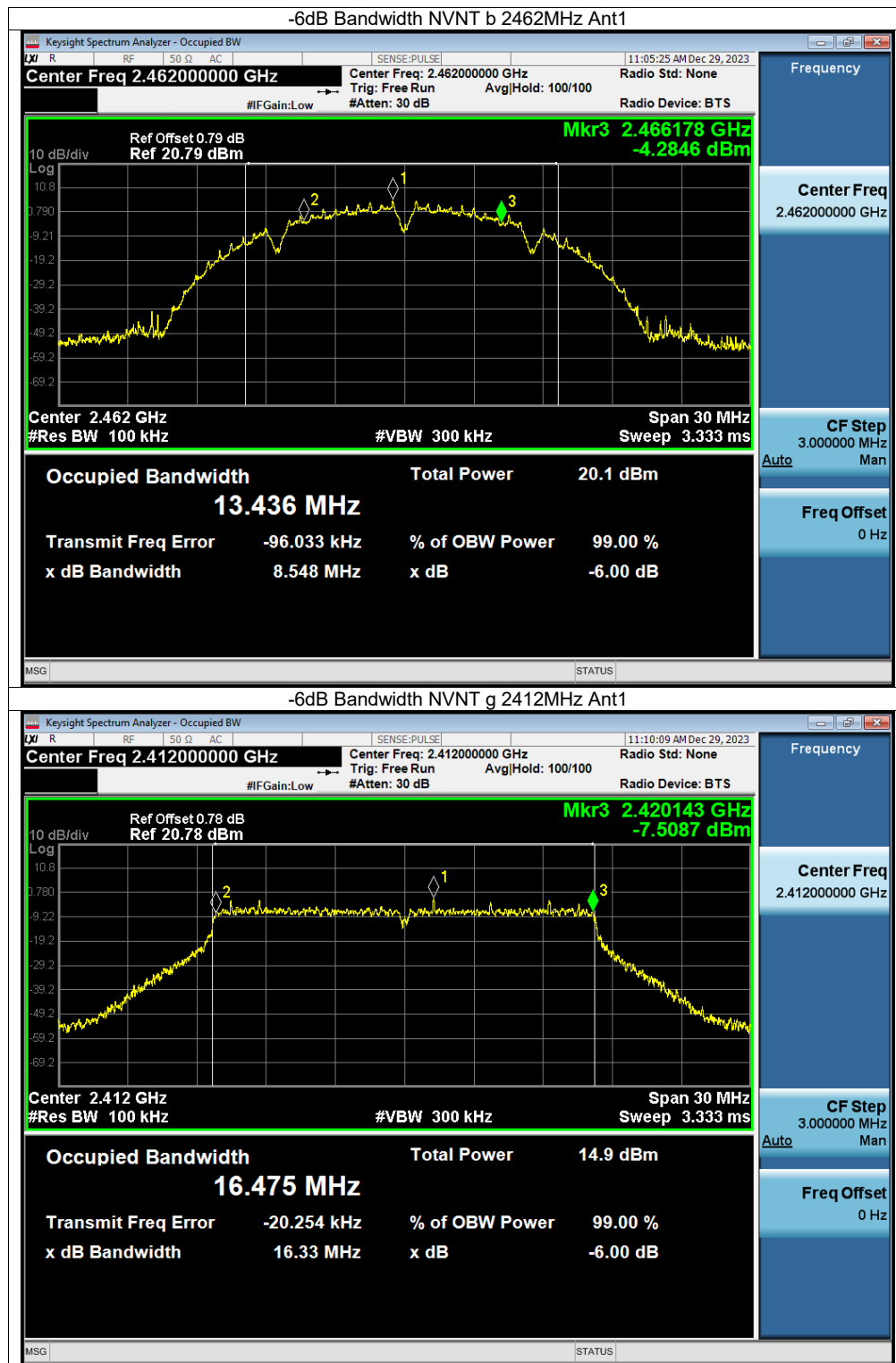
Maximum Conducted Output Power

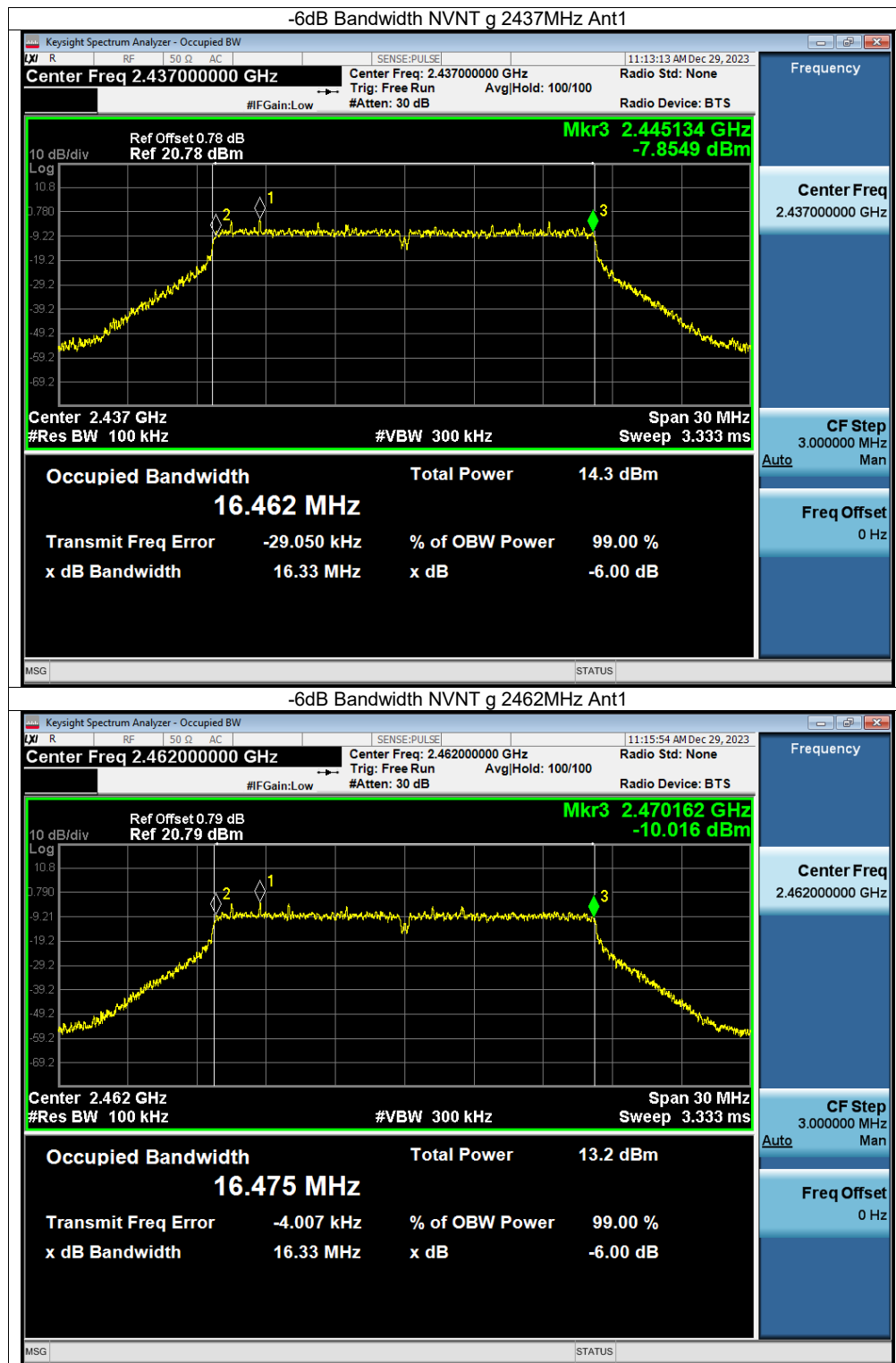
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	18.52	30	Pass
NVNT	b	2437	Ant1	17.63	30	Pass
NVNT	b	2462	Ant1	16.72	30	Pass
NVNT	g	2412	Ant1	16.44	30	Pass
NVNT	g	2437	Ant1	15.52	30	Pass
NVNT	g	2462	Ant1	14.65	30	Pass
NVNT	n20	2412	Ant1	15.54	30	Pass
NVNT	n20	2437	Ant1	14.54	30	Pass
NVNT	n20	2462	Ant1	14.14	30	Pass
NVNT	n40	2422	Ant1	15.99	30	Pass
NVNT	n40	2437	Ant1	15.35	30	Pass
NVNT	n40	2452	Ant1	14.94	30	Pass

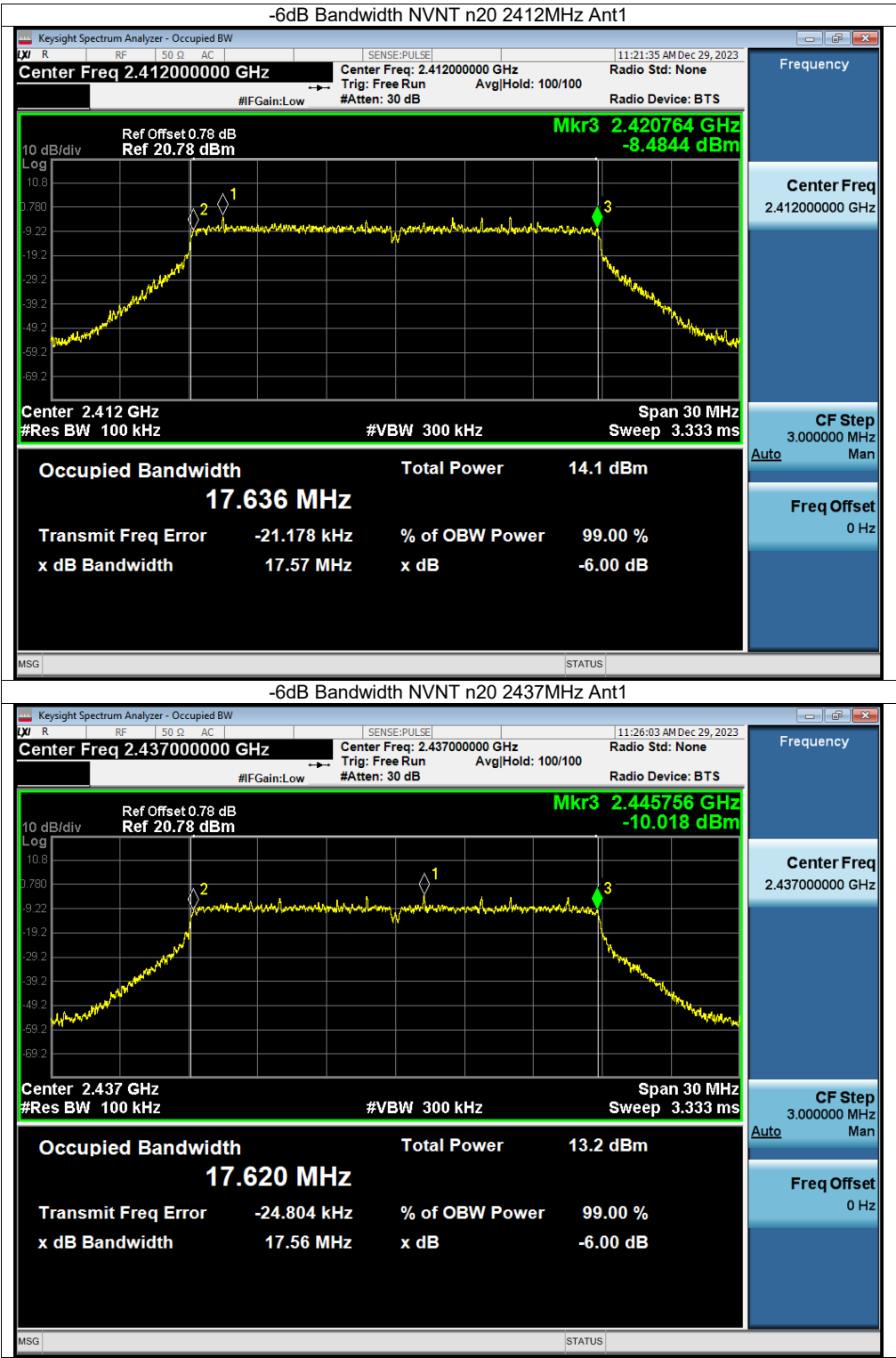
-6dB Bandwidth

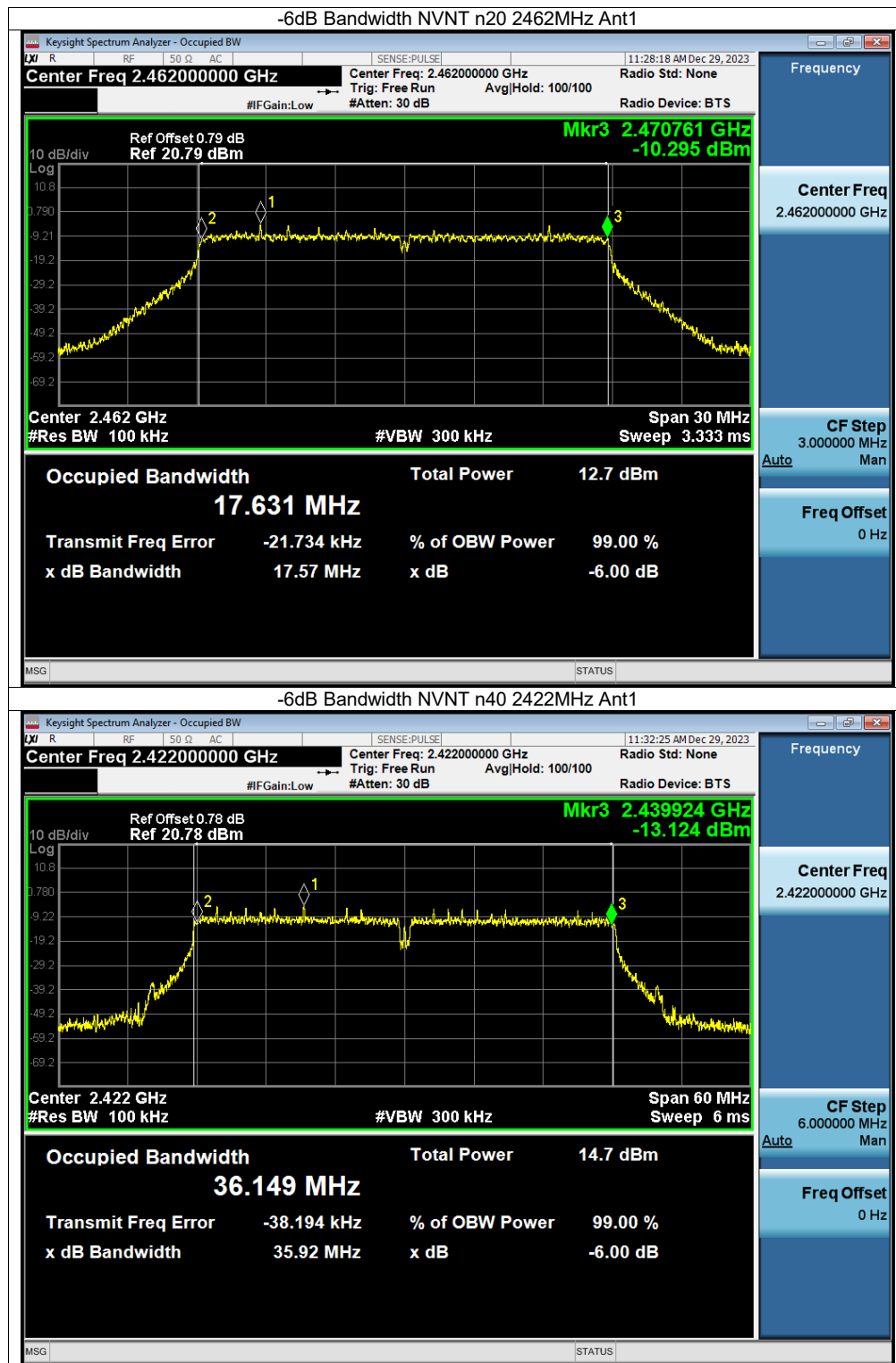
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.471	0.5	Pass
NVNT	b	2437	Ant1	8.518	0.5	Pass
NVNT	b	2462	Ant1	8.548	0.5	Pass
NVNT	g	2412	Ant1	16.327	0.5	Pass
NVNT	g	2437	Ant1	16.327	0.5	Pass
NVNT	g	2462	Ant1	16.332	0.5	Pass
NVNT	n20	2412	Ant1	17.571	0.5	Pass
NVNT	n20	2437	Ant1	17.561	0.5	Pass
NVNT	n20	2462	Ant1	17.565	0.5	Pass
NVNT	n40	2422	Ant1	35.925	0.5	Pass
NVNT	n40	2437	Ant1	35.929	0.5	Pass
NVNT	n40	2452	Ant1	35.887	0.5	Pass

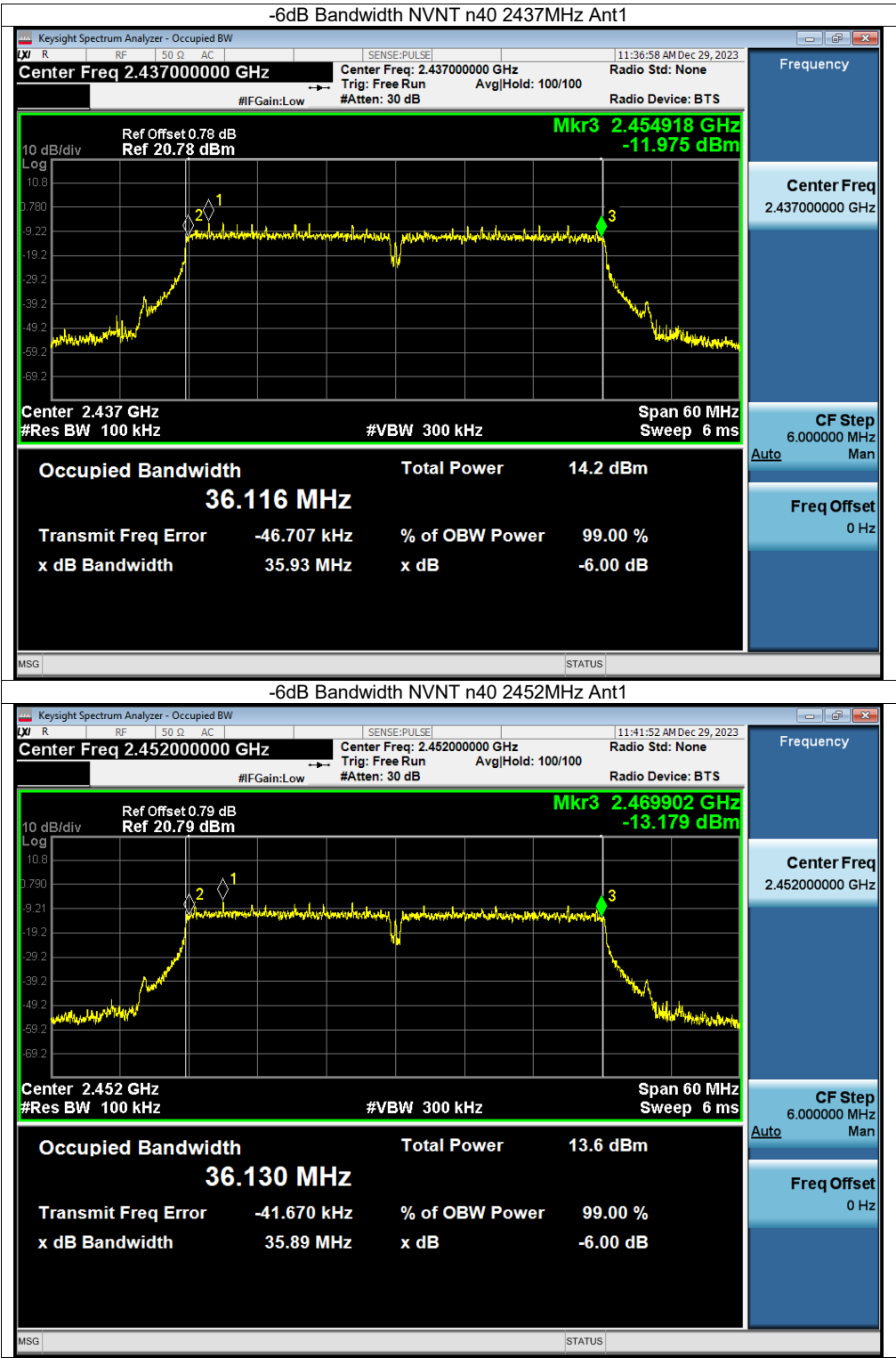






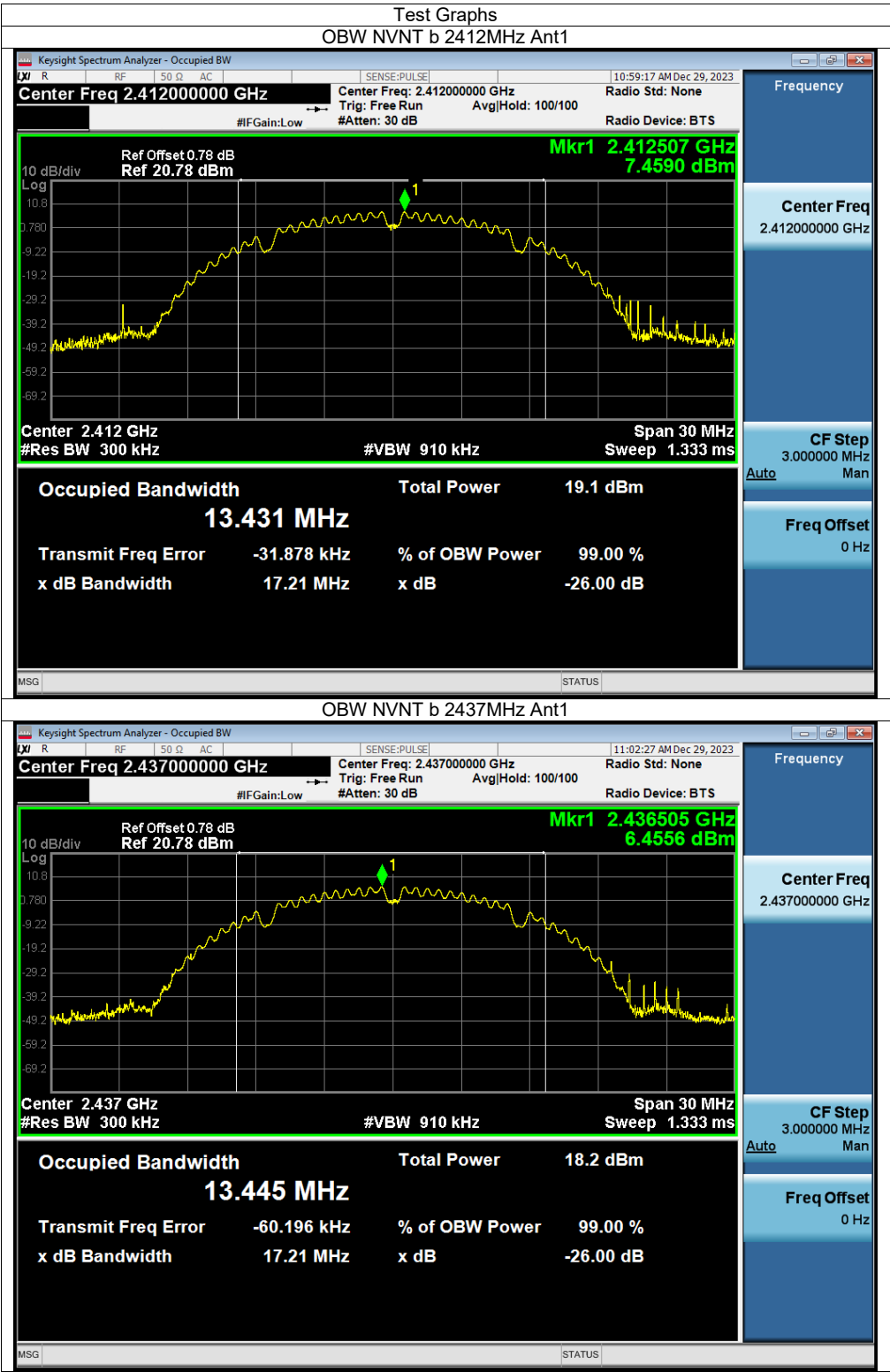


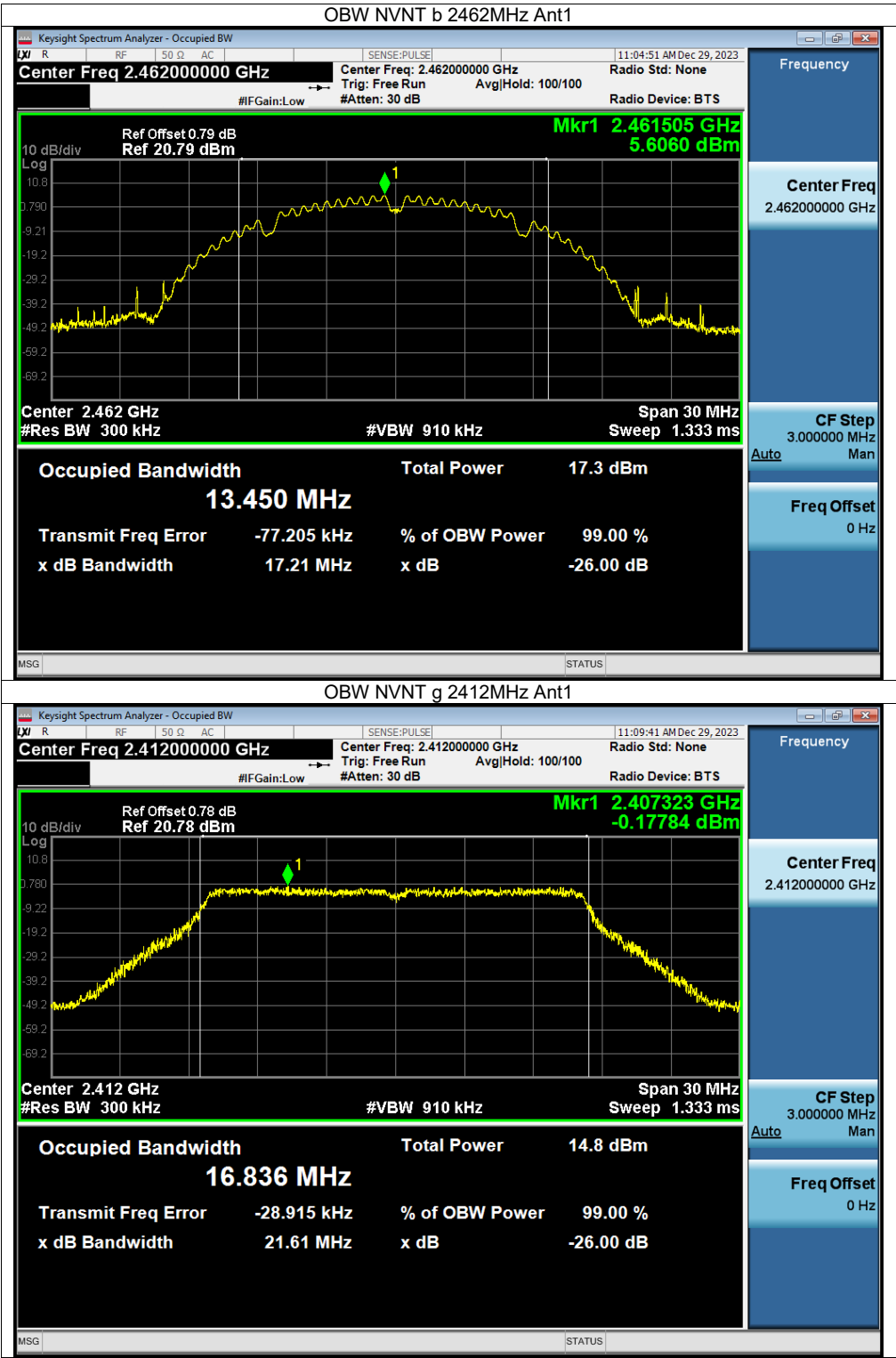


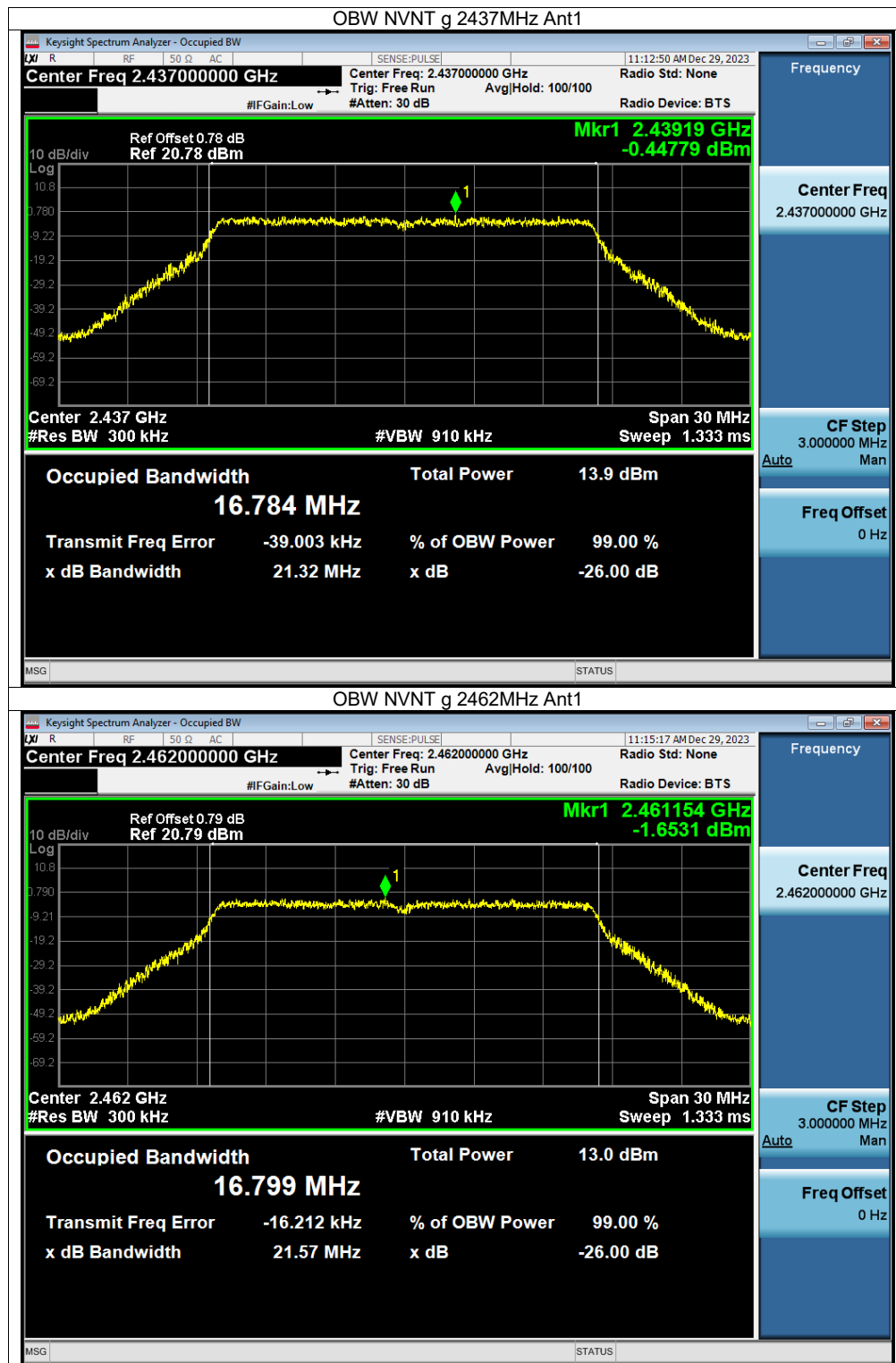


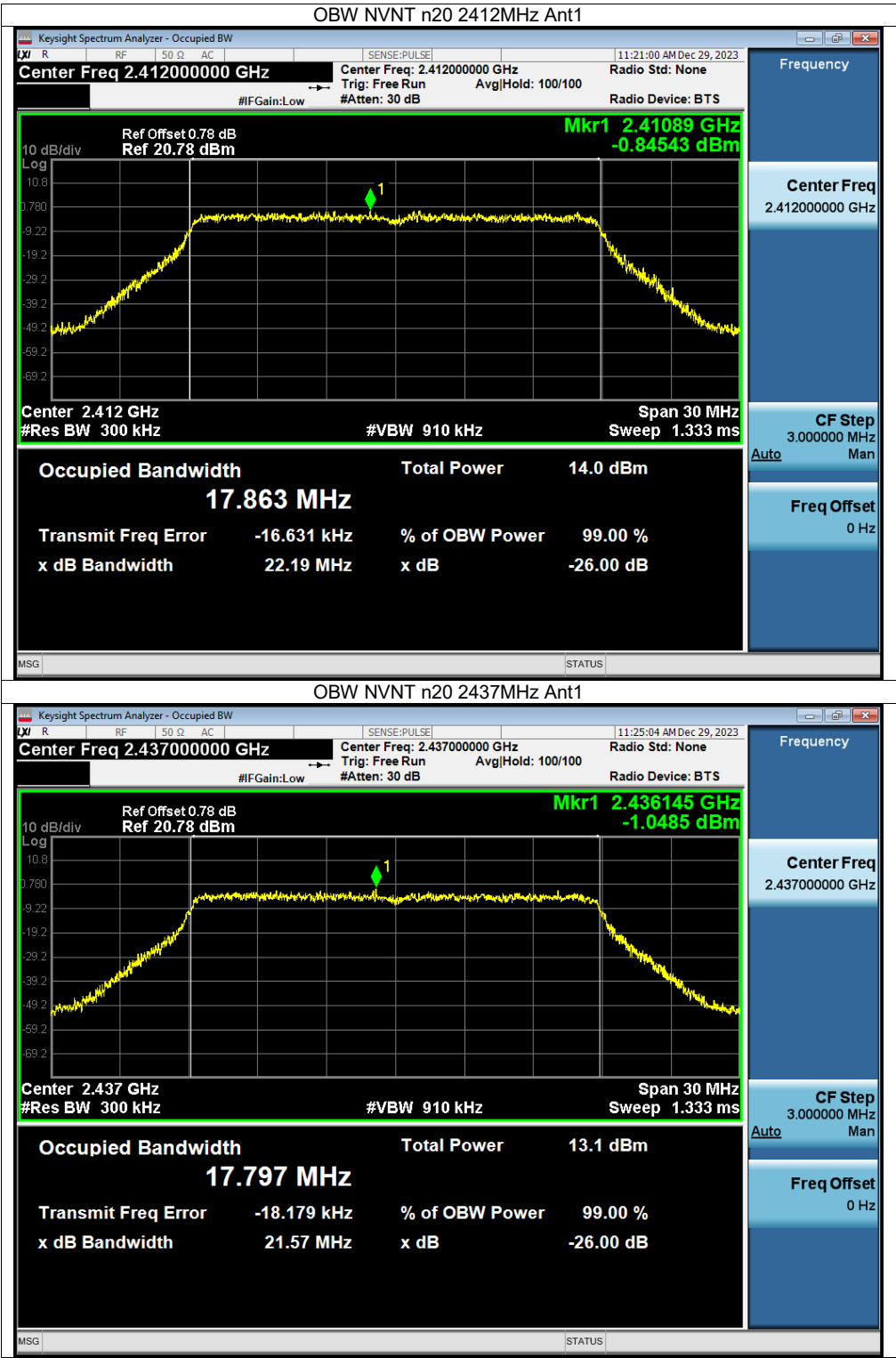
Occupied Channel Bandwidth

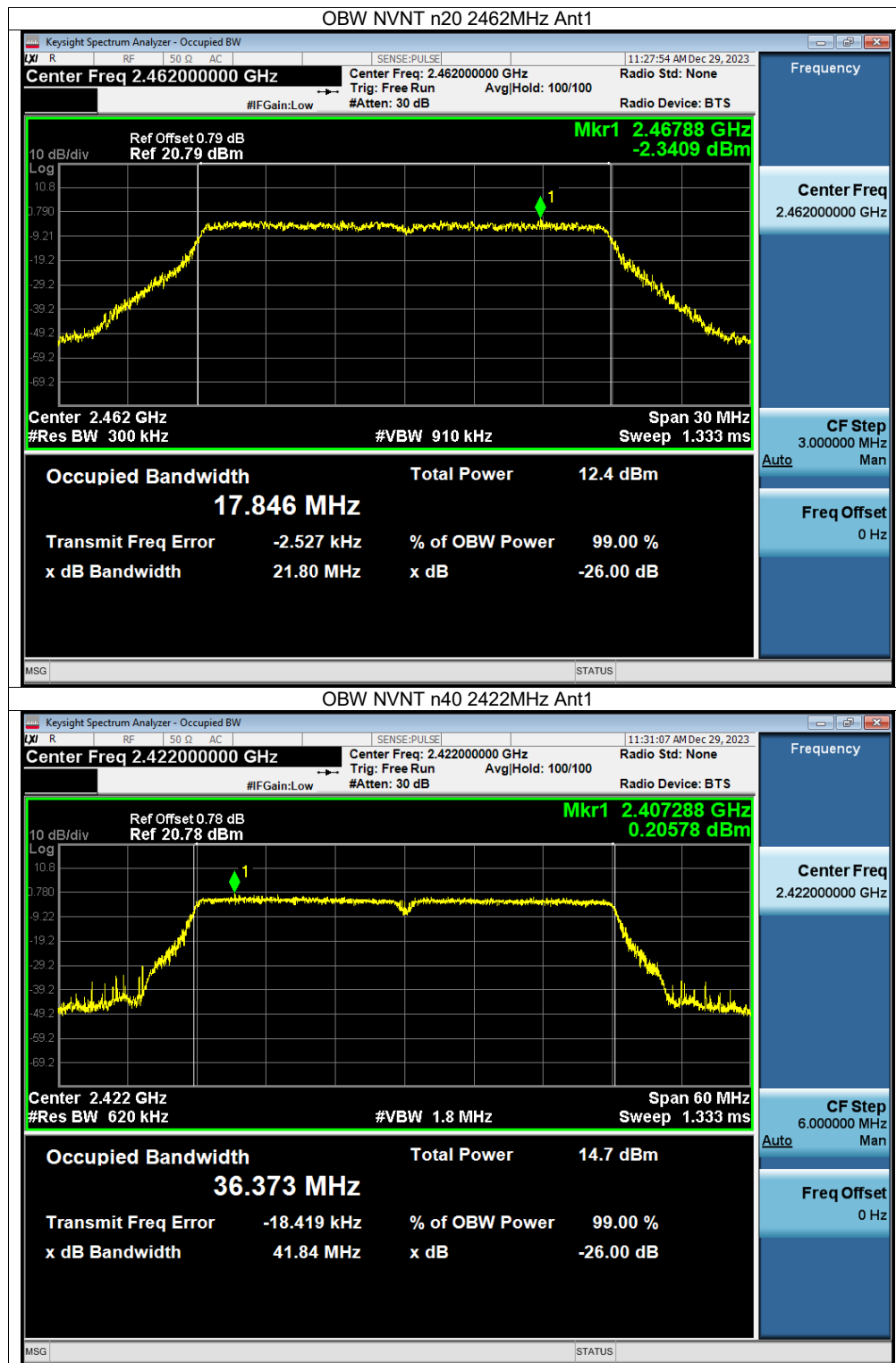
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.431
NVNT	b	2437	Ant1	13.445
NVNT	b	2462	Ant1	13.45
NVNT	g	2412	Ant1	16.836
NVNT	g	2437	Ant1	16.784
NVNT	g	2462	Ant1	16.799
NVNT	n20	2412	Ant1	17.863
NVNT	n20	2437	Ant1	17.797
NVNT	n20	2462	Ant1	17.846
NVNT	n40	2422	Ant1	36.373
NVNT	n40	2437	Ant1	36.355
NVNT	n40	2452	Ant1	36.363

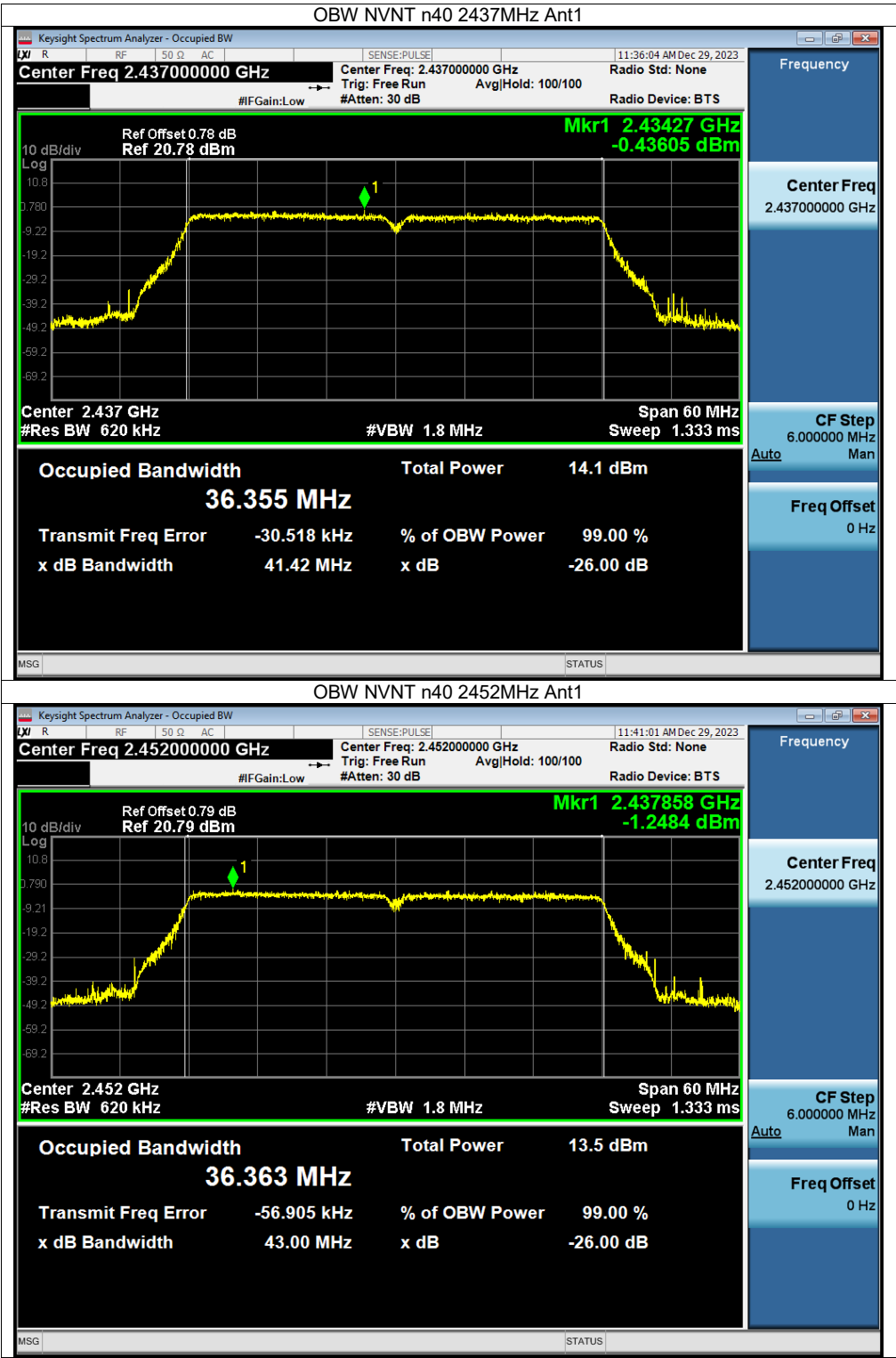












OBW NVNT n40 2452MHz Ant1

Keysight Spectrum Analyzer - Occupied BW

11:41:01 AM Dec 29, 2023

Center Freq 2.452000000 GHz

Center Freq: 2.452000000 GHz

Trig: Free Run

Avg|Hold: 100/100

Radio Std: None

#FGain:Low

#Atten: 30 dB

Radio Device: BTS

10 dB/div

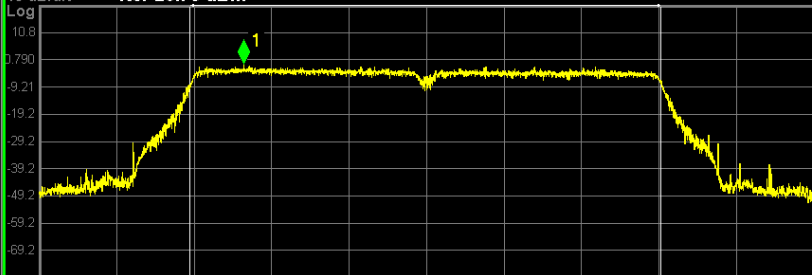
Log

Ref Offset 0.79 dB

Ref 20.79 dBm

Mkr1 2.437858 GHz

-1.2484 dBm



Center 2.452 GHz

#Res BW 620 kHz

#VBW 1.8 MHz

Span 60 MHz

Sweep 1.333 ms

Occupied Bandwidth

36.363 MHz

Total Power

13.5 dBm

Transmit Freq Error

-56.905 kHz

% of OBW Power

99.00 %

x dB Bandwidth

43.00 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

2.452000000 GHz

CF Step

6.000000 MHz

Auto

Man

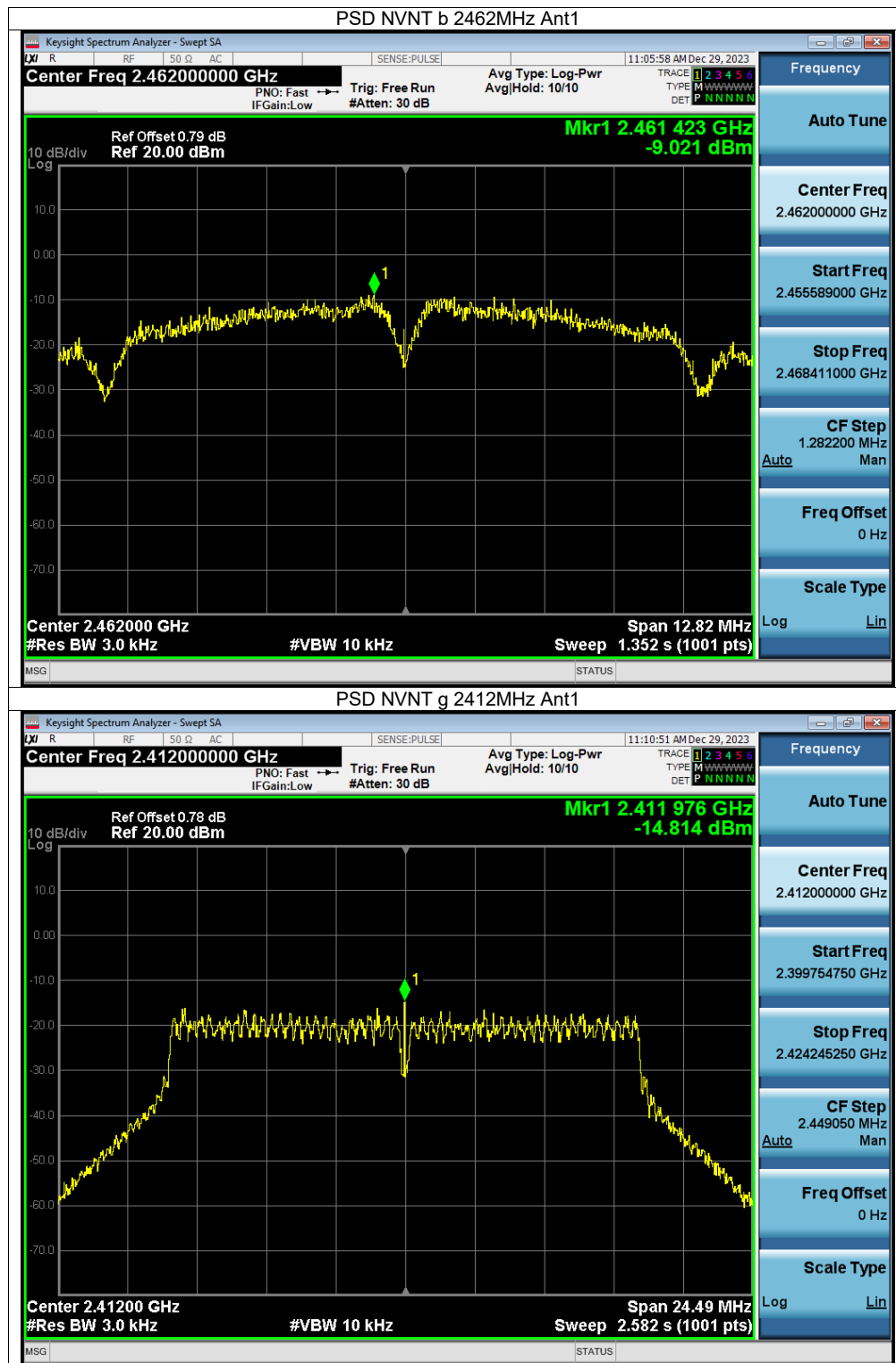
Freq Offset

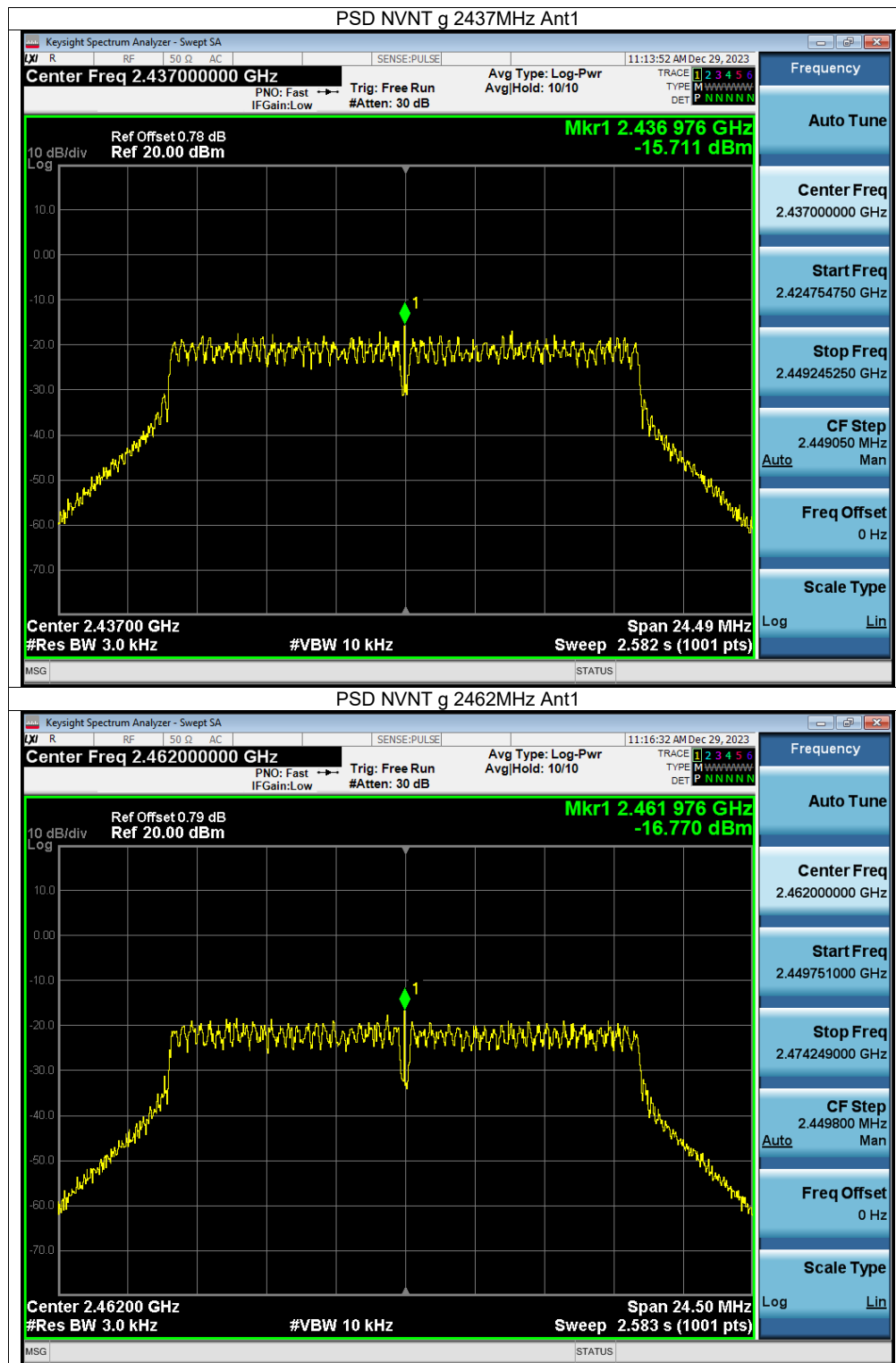
0 Hz

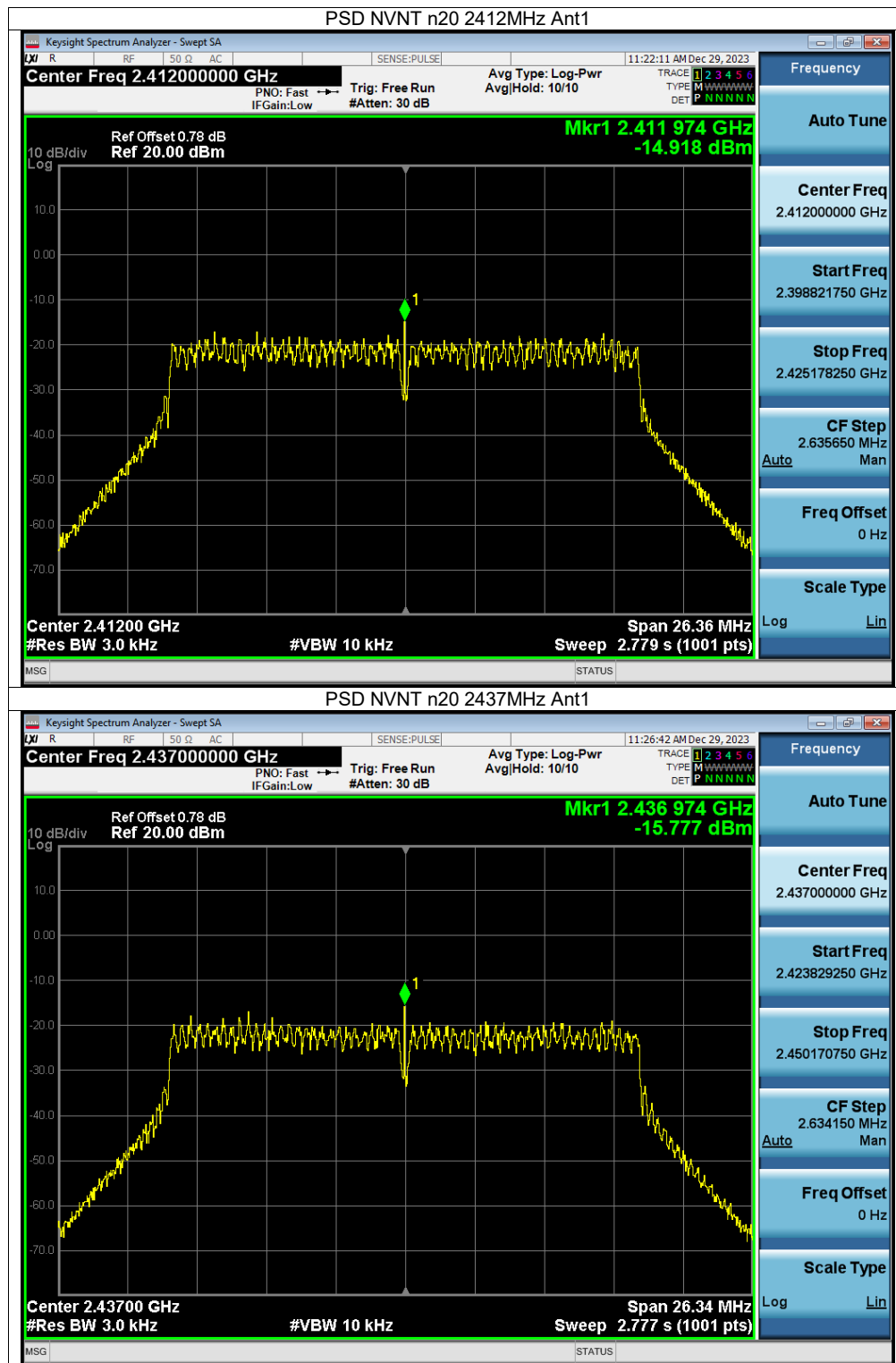
Maximum Power Spectral Density Level

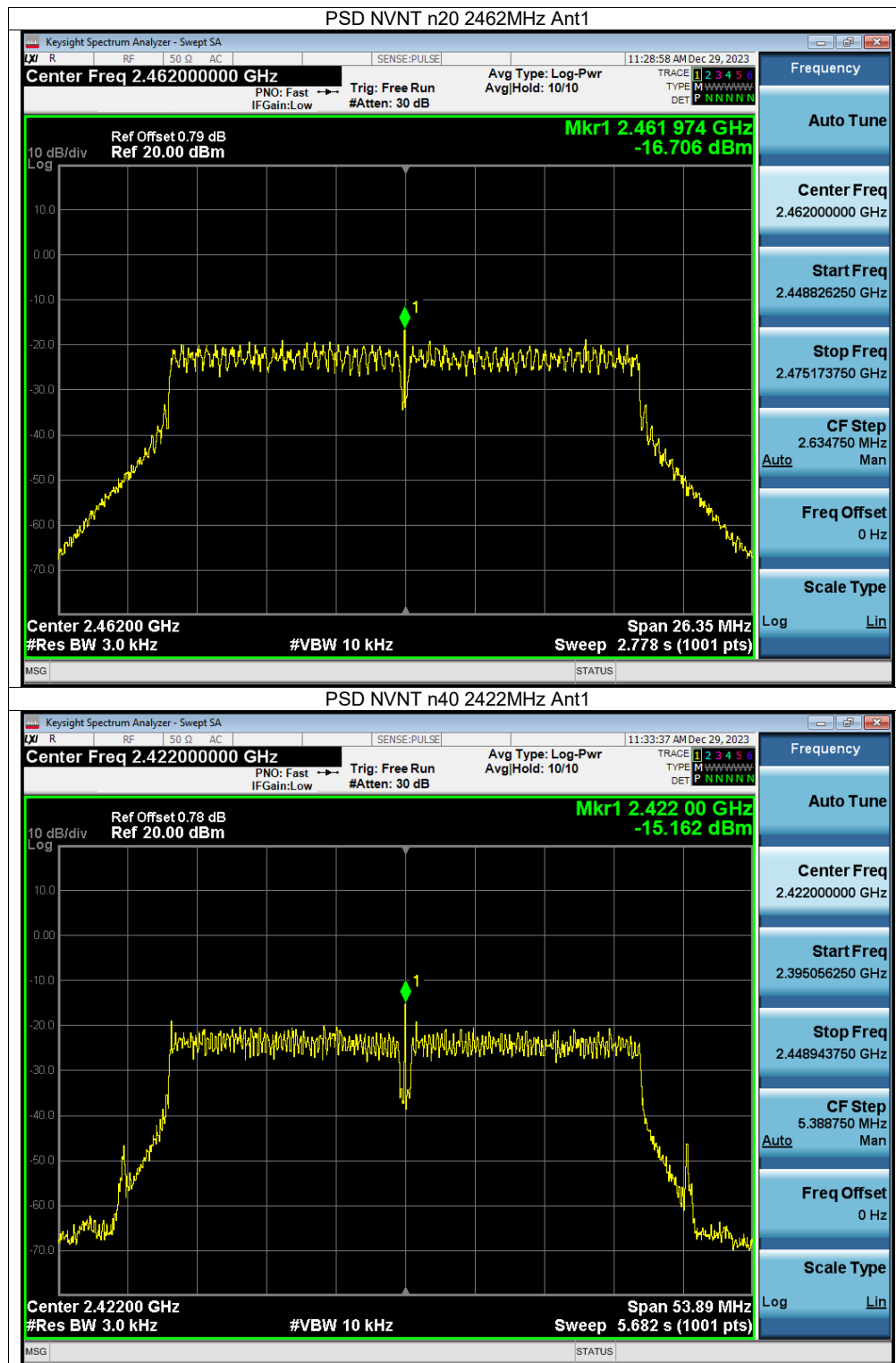
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-6.34	8	Pass
NVNT	b	2437	Ant1	-8.33	8	Pass
NVNT	b	2462	Ant1	-9.02	8	Pass
NVNT	g	2412	Ant1	-14.81	8	Pass
NVNT	g	2437	Ant1	-15.71	8	Pass
NVNT	g	2462	Ant1	-16.77	8	Pass
NVNT	n20	2412	Ant1	-14.92	8	Pass
NVNT	n20	2437	Ant1	-15.78	8	Pass
NVNT	n20	2462	Ant1	-16.71	8	Pass
NVNT	n40	2422	Ant1	-15.16	8	Pass
NVNT	n40	2437	Ant1	-15.71	8	Pass
NVNT	n40	2452	Ant1	-16.29	8	Pass

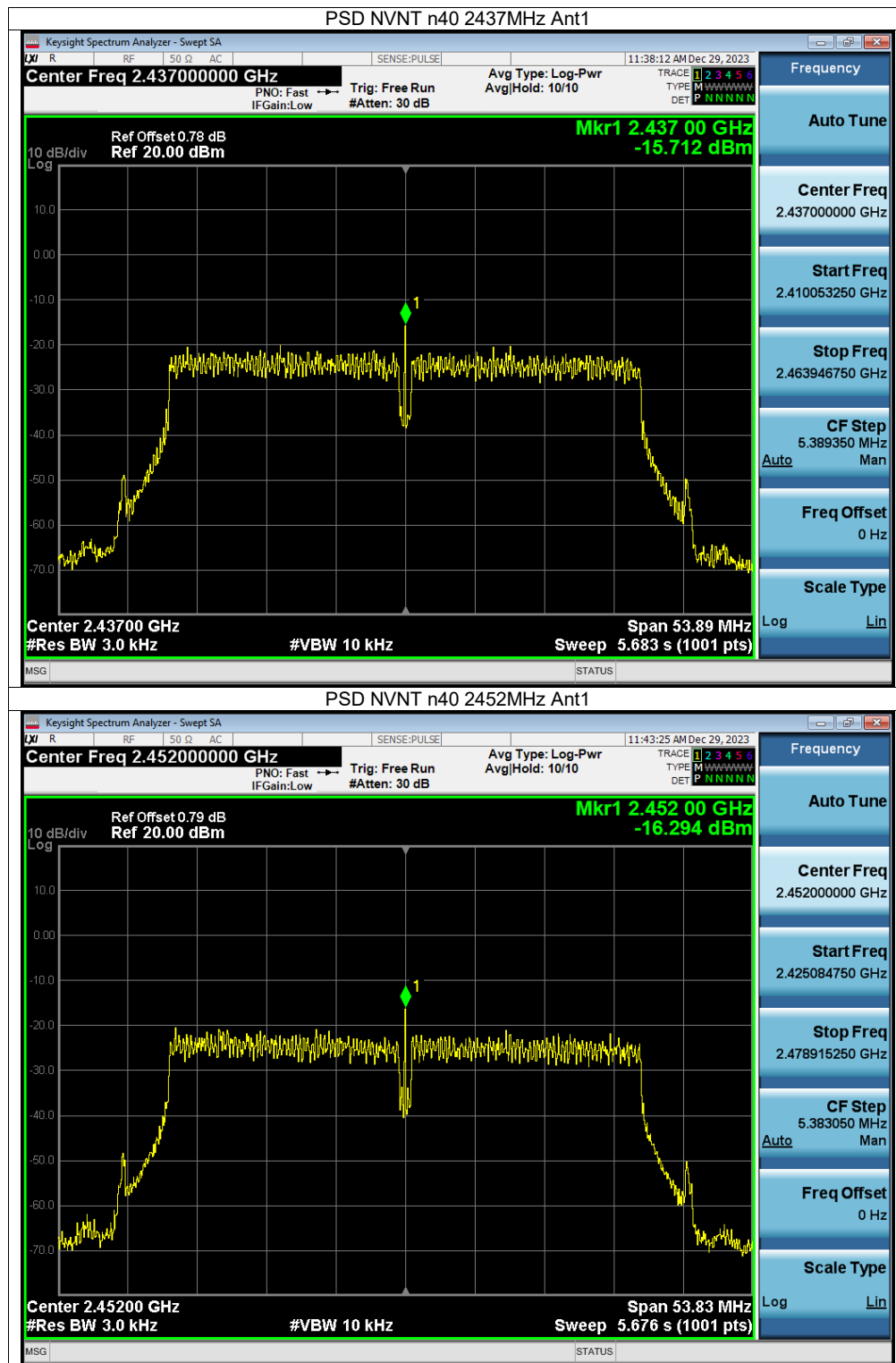






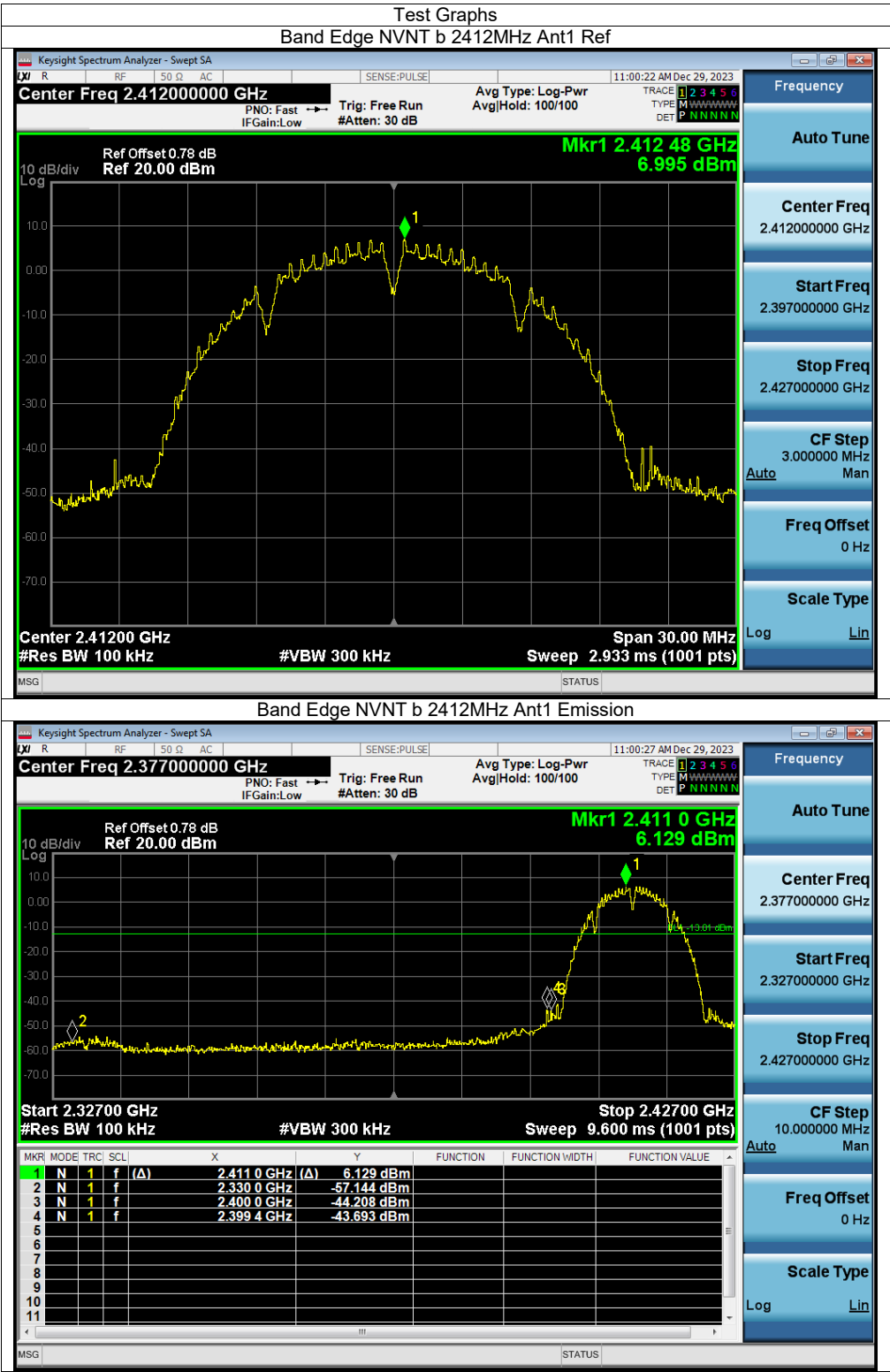


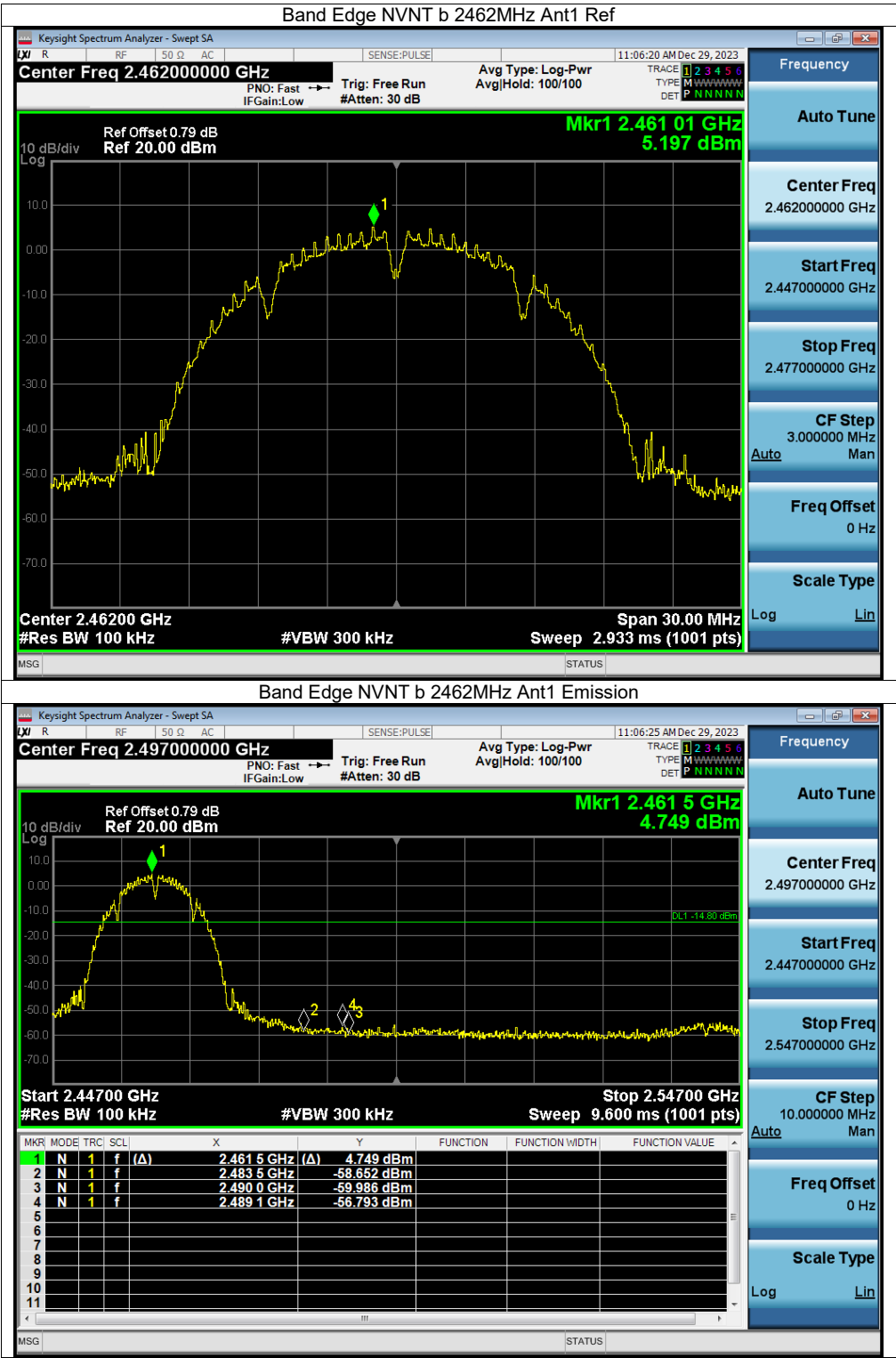


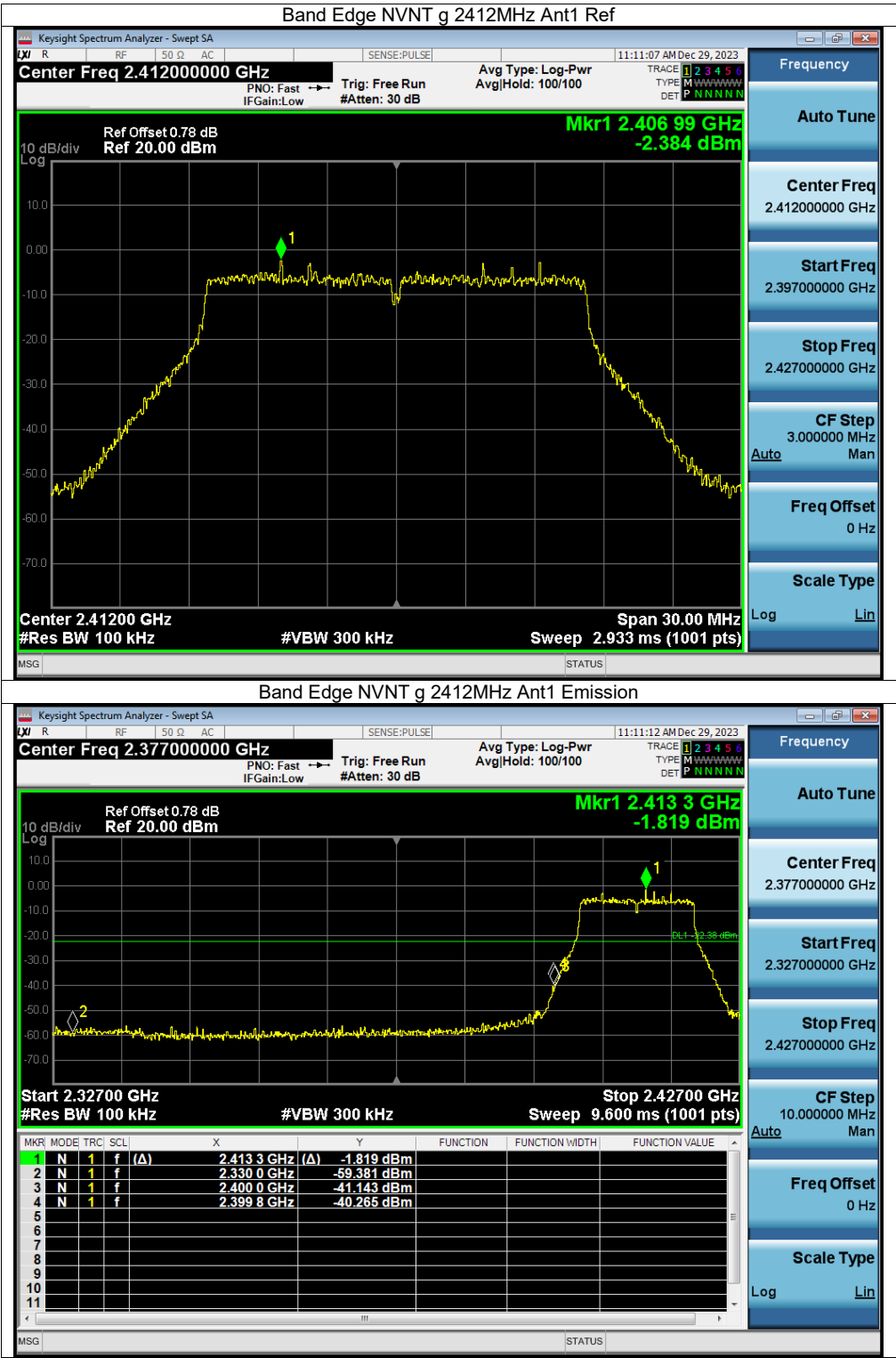


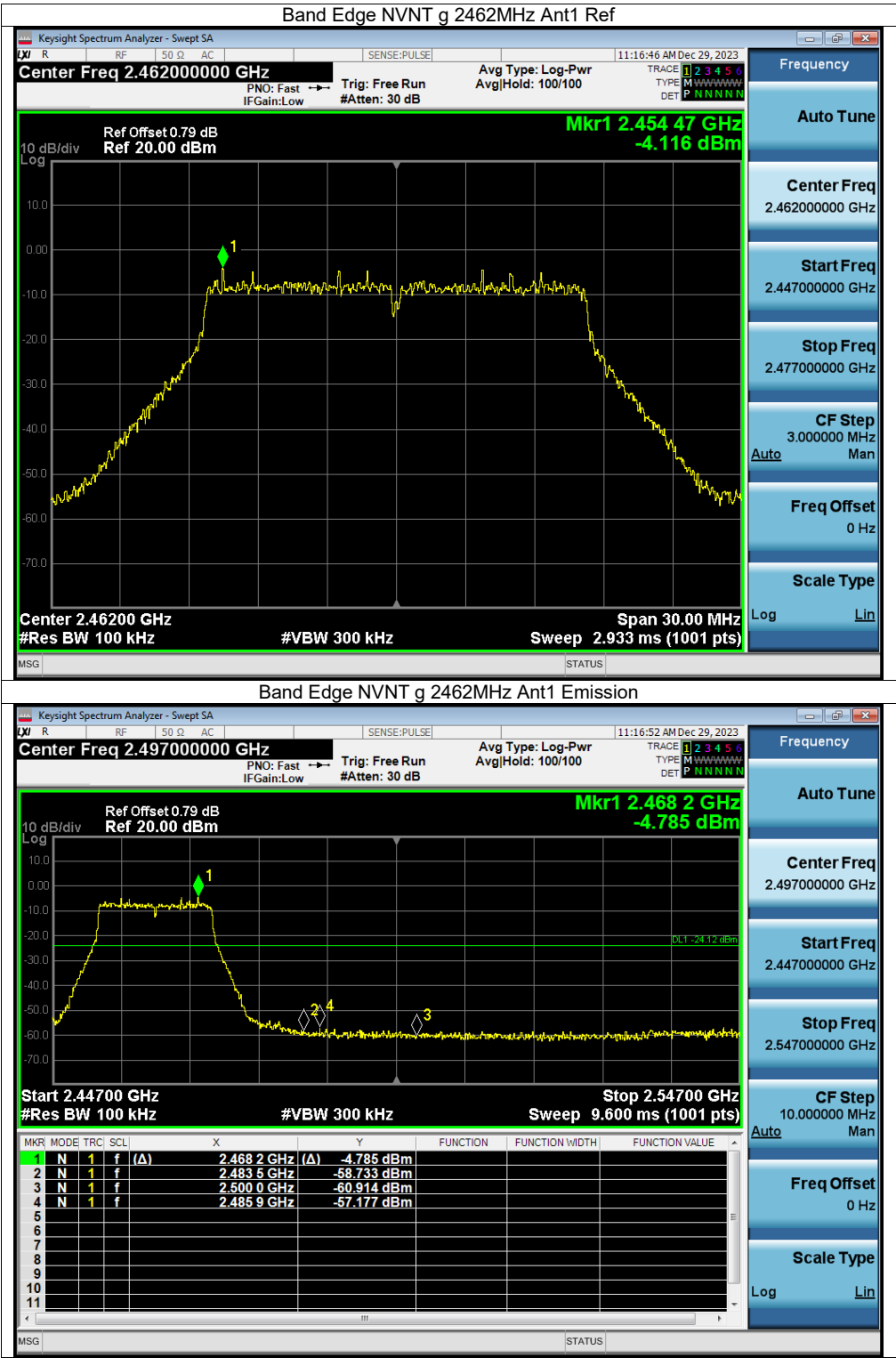
Band Edge

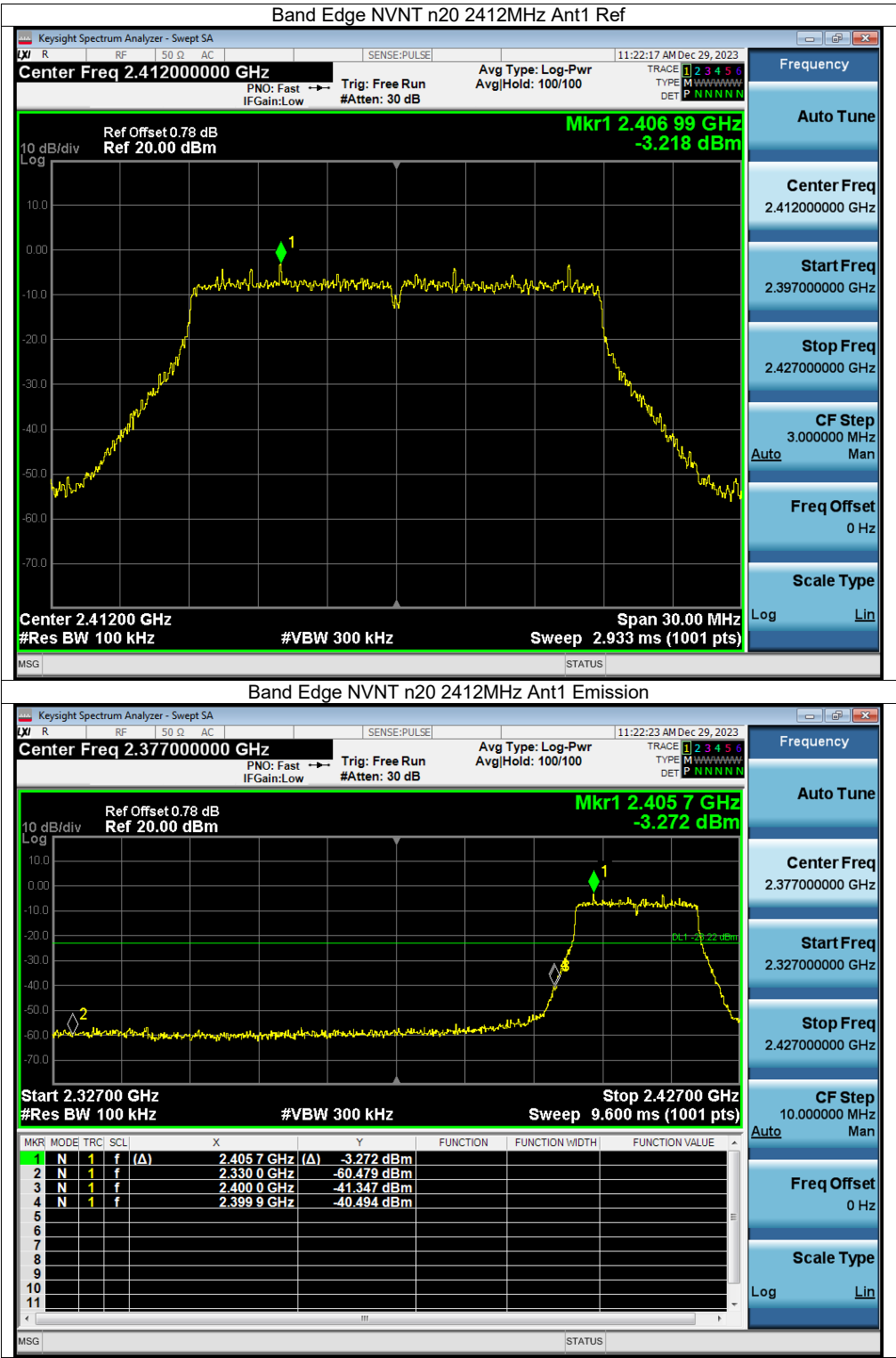
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.68	-20	Pass
NVNT	b	2462	Ant1	-61.99	-20	Pass
NVNT	g	2412	Ant1	-37.88	-20	Pass
NVNT	g	2462	Ant1	-53.05	-20	Pass
NVNT	n20	2412	Ant1	-37.27	-20	Pass
NVNT	n20	2462	Ant1	-51.36	-20	Pass
NVNT	n40	2422	Ant1	-32.61	-20	Pass
NVNT	n40	2452	Ant1	-49.44	-20	Pass

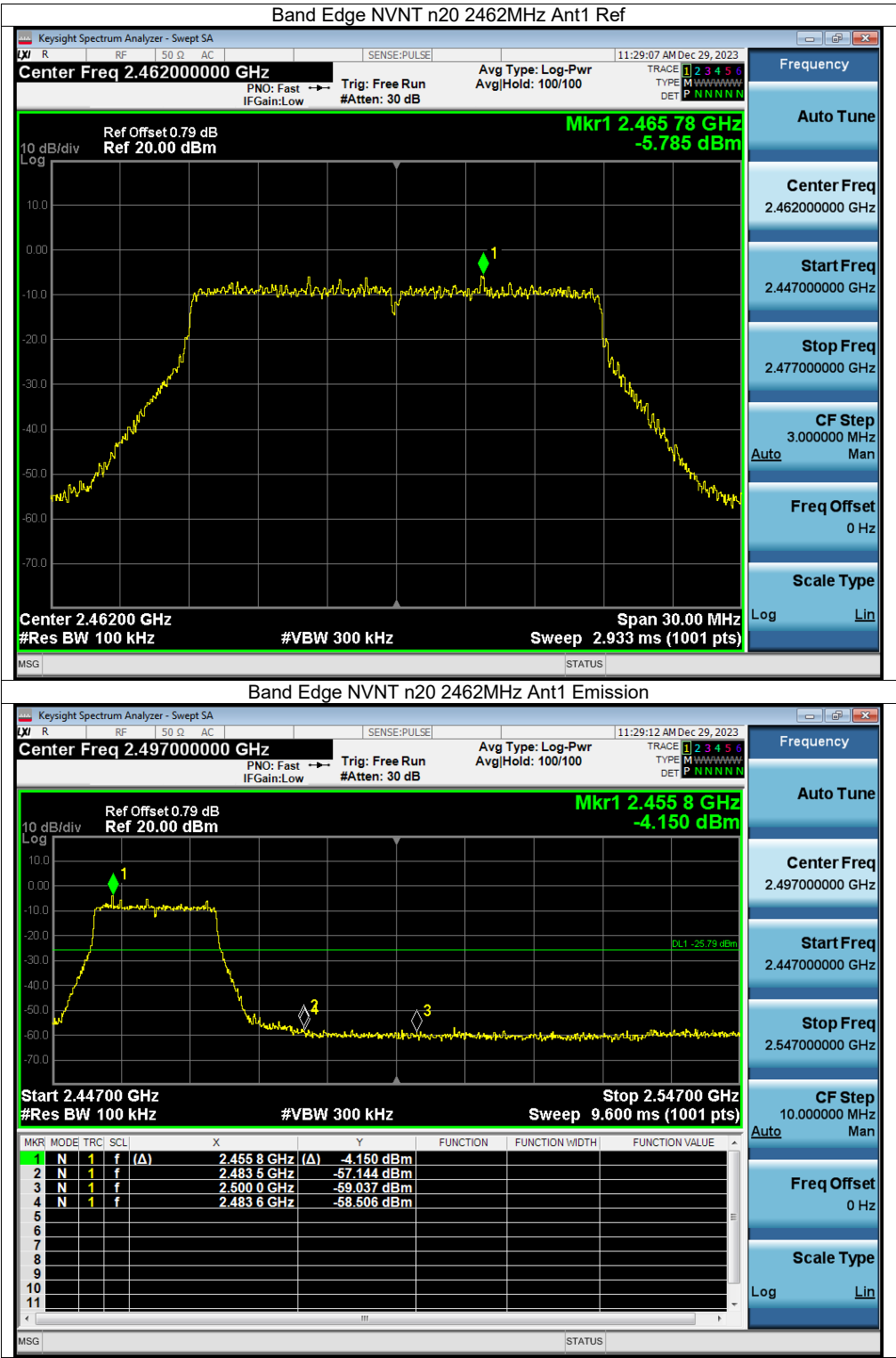


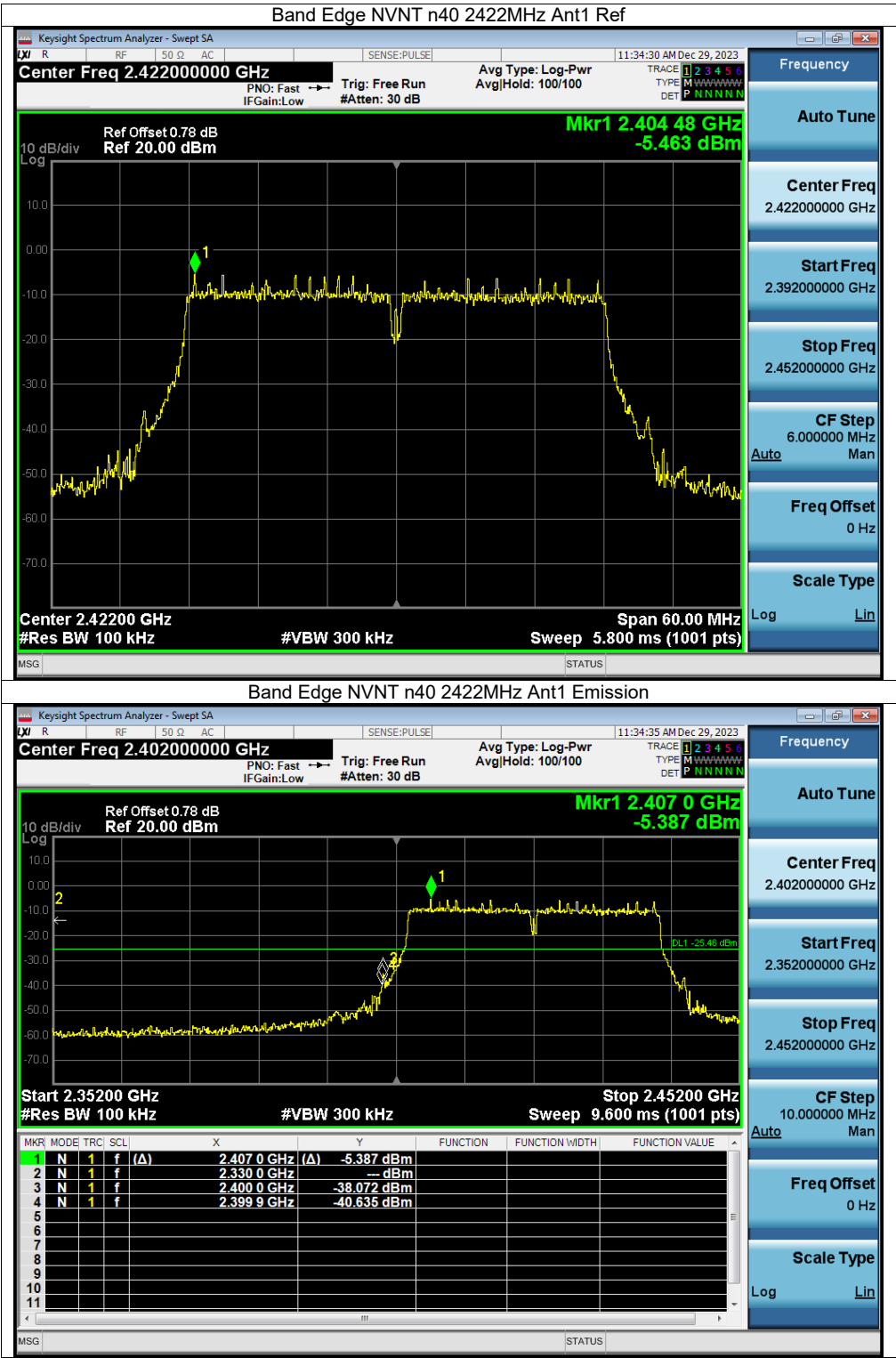


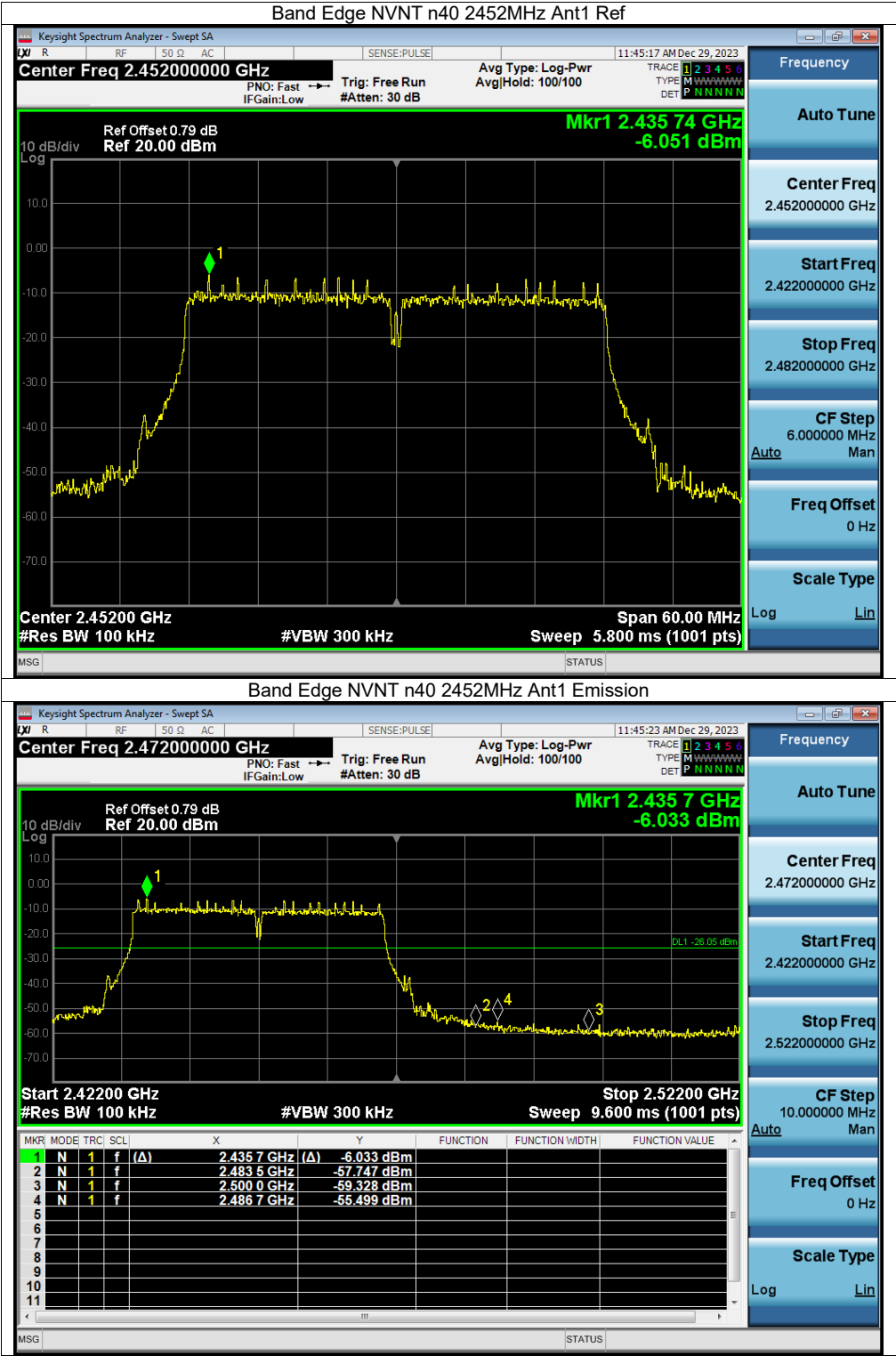






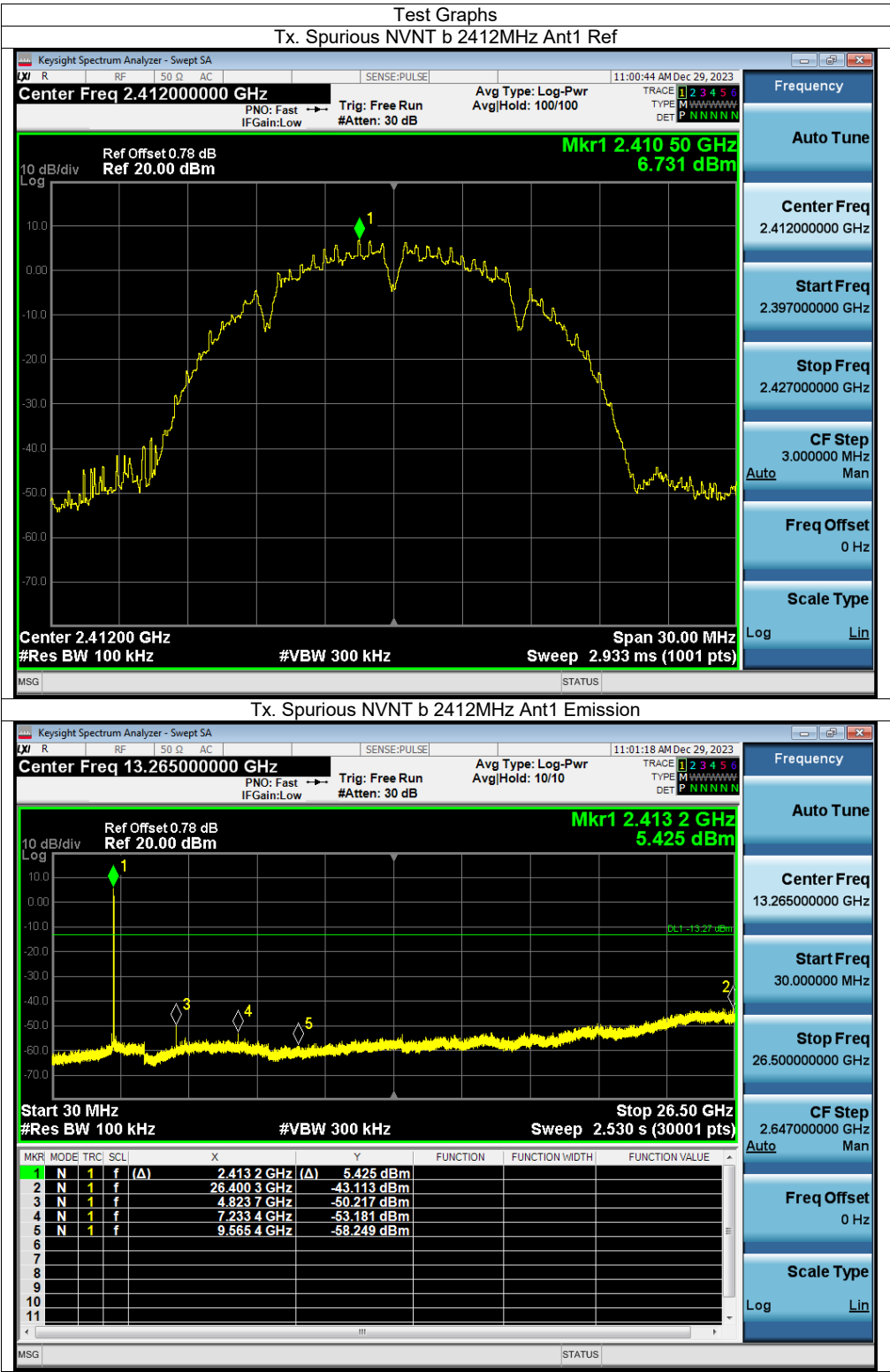


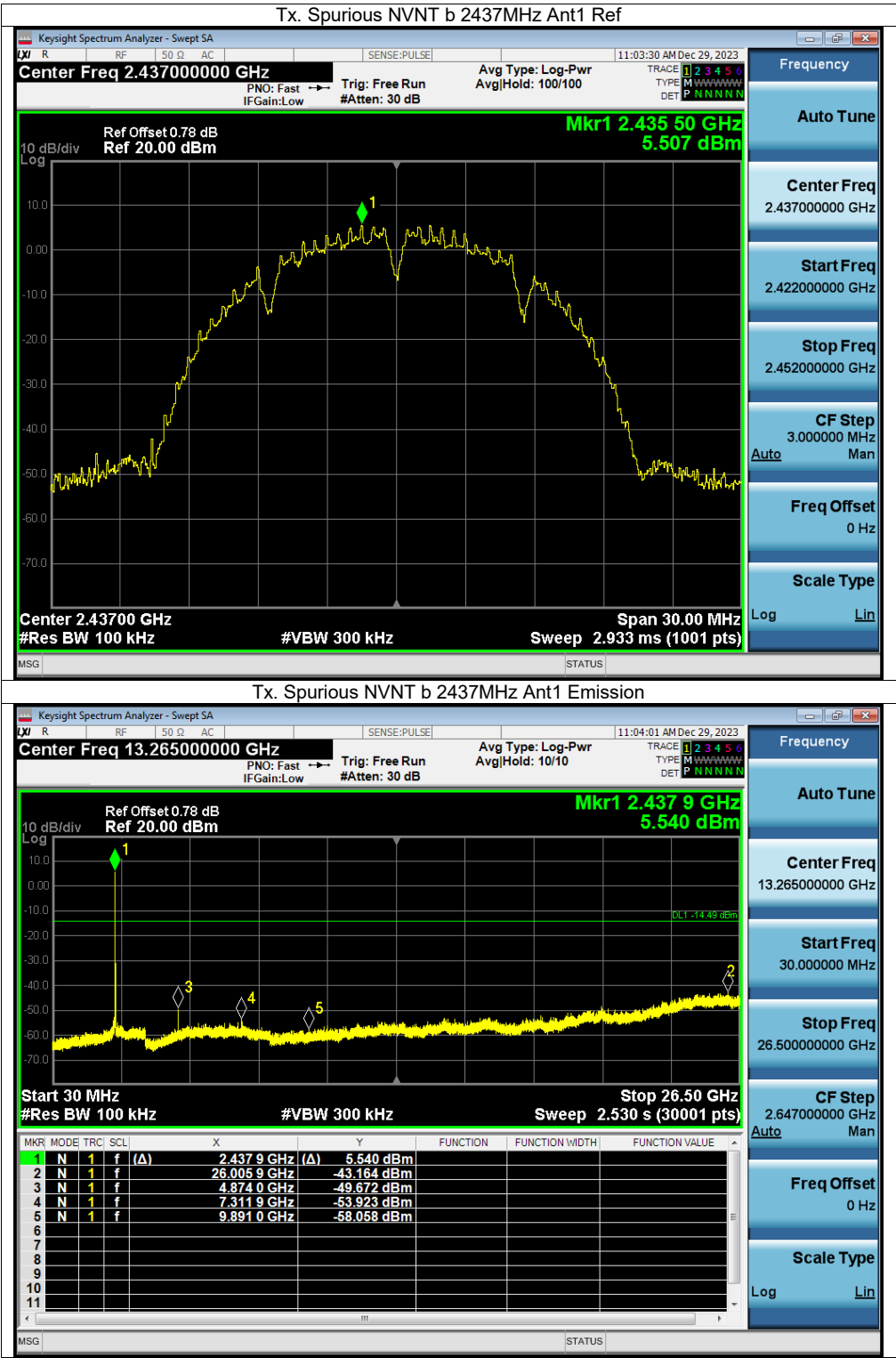


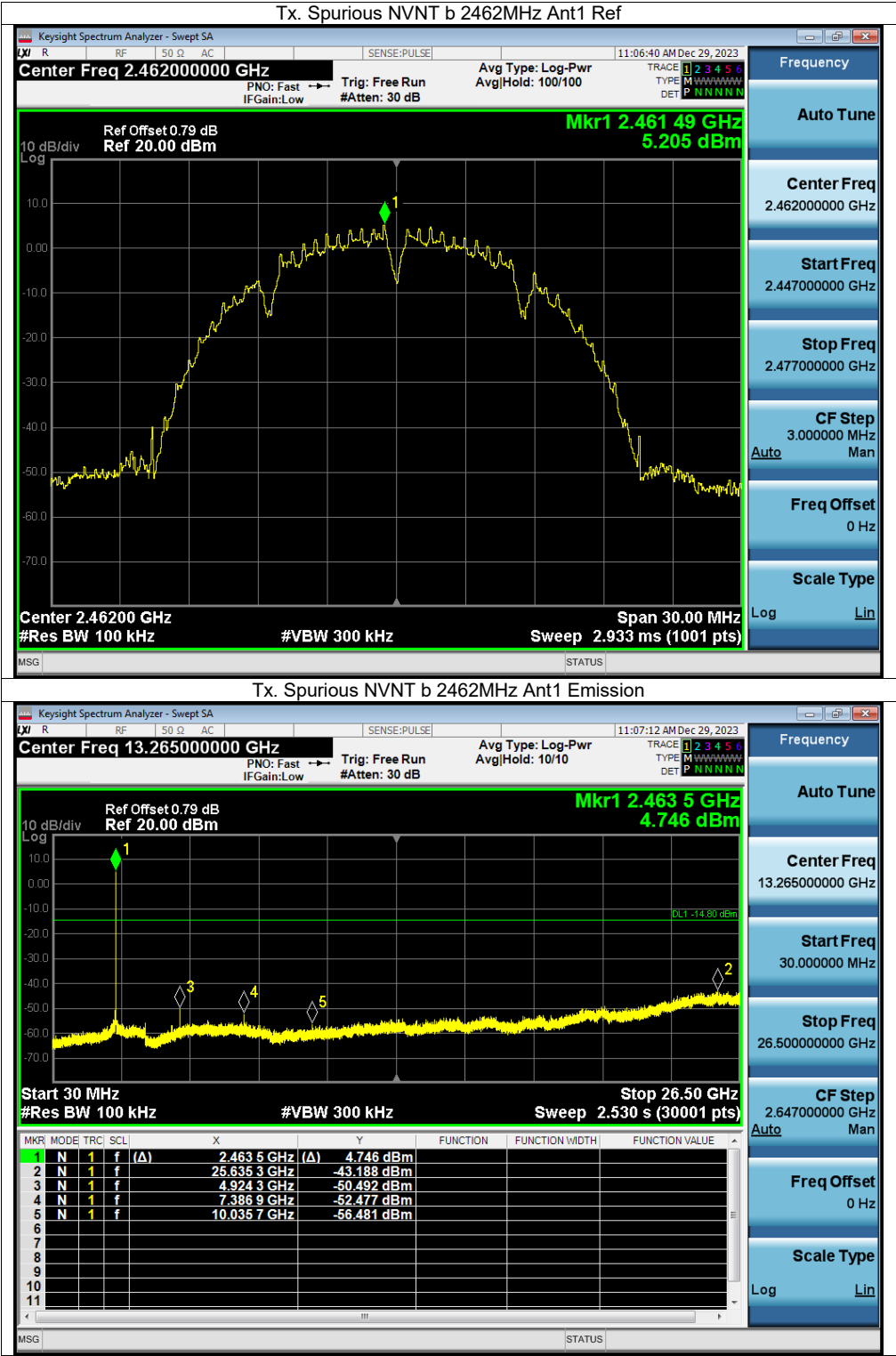


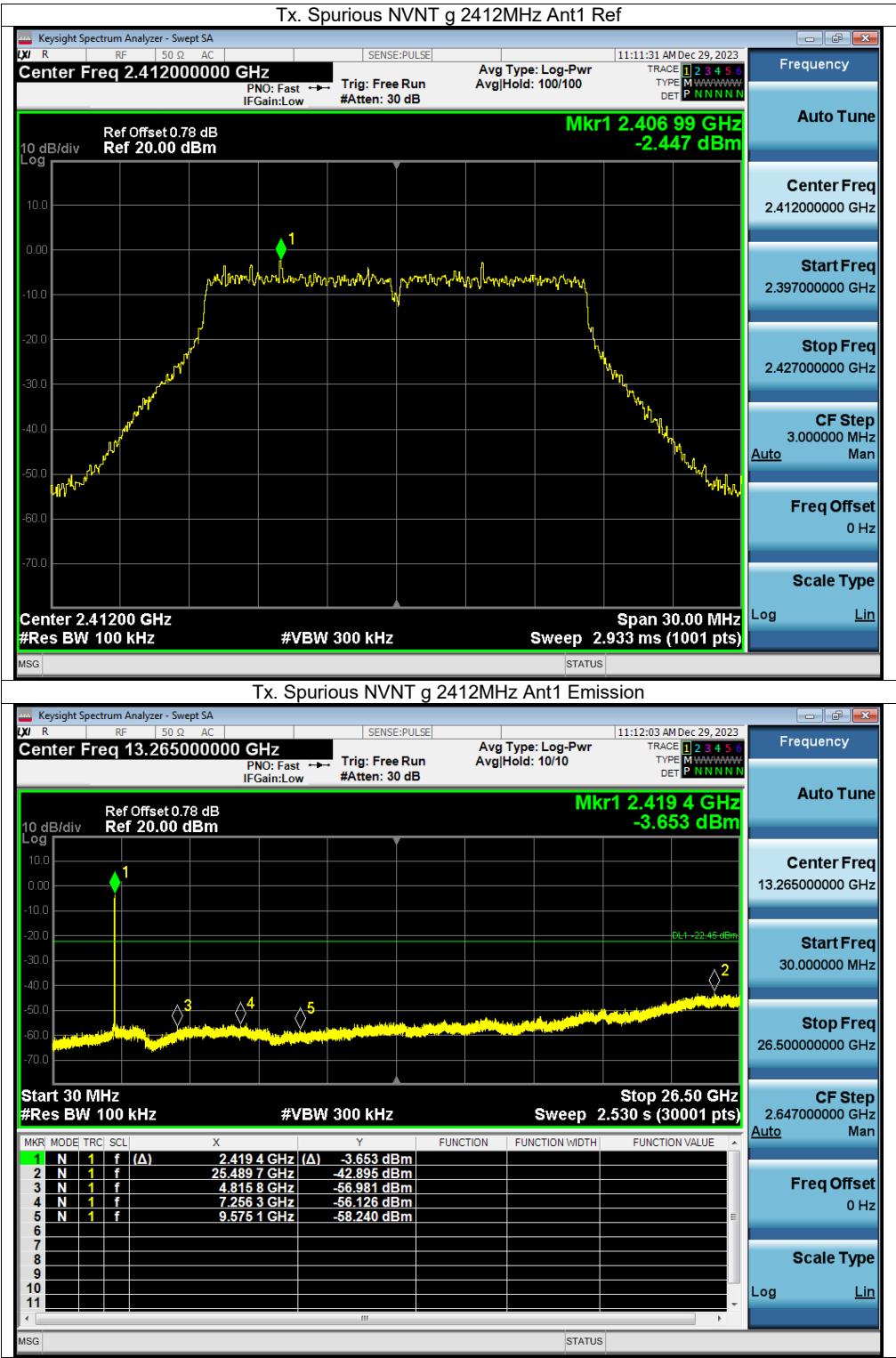
Conducted RF Spurious Emission

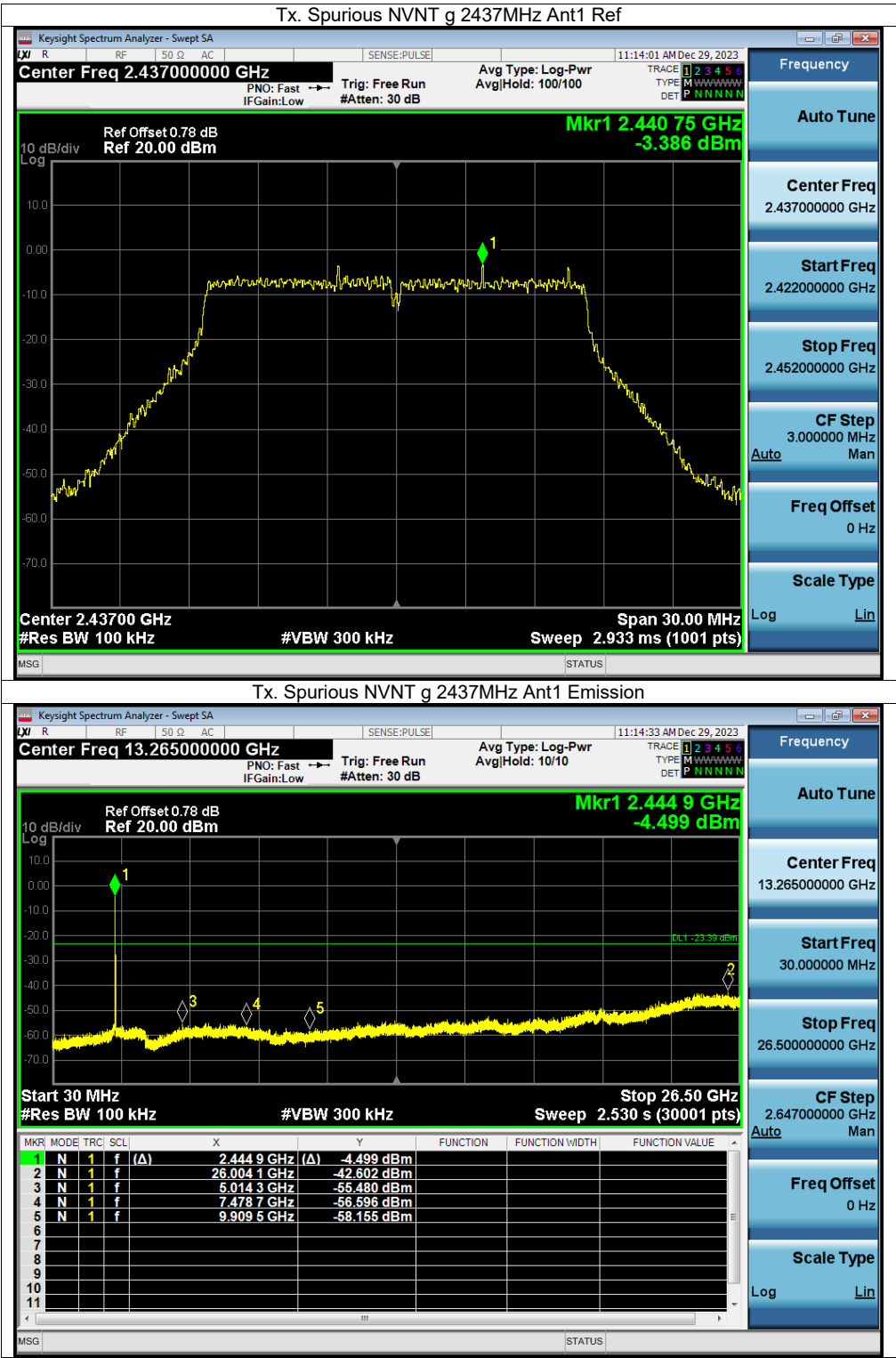
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.84	-20	Pass
NVNT	b	2437	Ant1	-48.67	-20	Pass
NVNT	b	2462	Ant1	-48.39	-20	Pass
NVNT	g	2412	Ant1	-40.44	-20	Pass
NVNT	g	2437	Ant1	-39.21	-20	Pass
NVNT	g	2462	Ant1	-39.01	-20	Pass
NVNT	n20	2412	Ant1	-39.76	-20	Pass
NVNT	n20	2437	Ant1	-38.62	-20	Pass
NVNT	n20	2462	Ant1	-37.93	-20	Pass
NVNT	n40	2422	Ant1	-38.25	-20	Pass
NVNT	n40	2437	Ant1	-37.36	-20	Pass
NVNT	n40	2452	Ant1	-37.2	-20	Pass

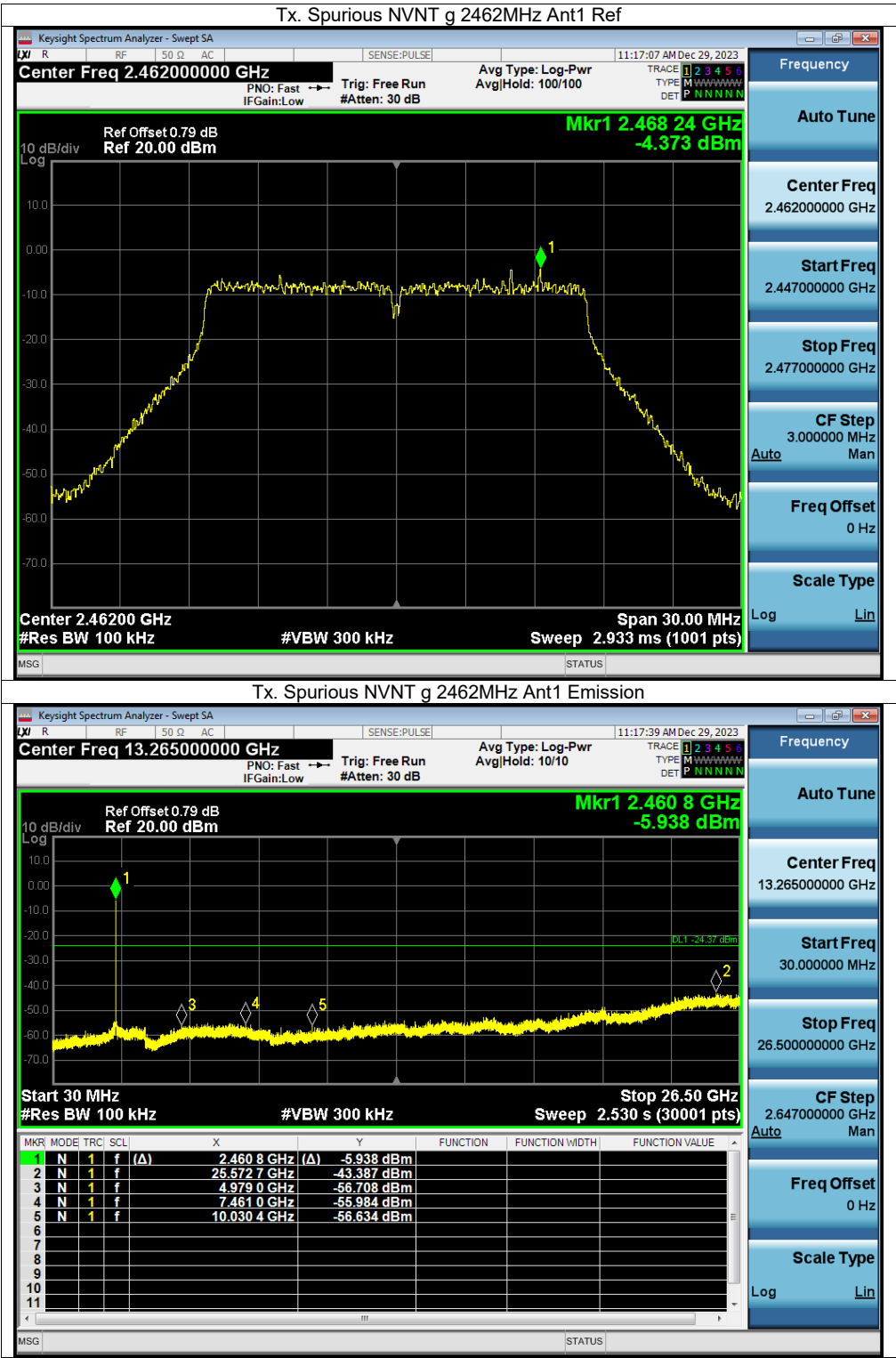


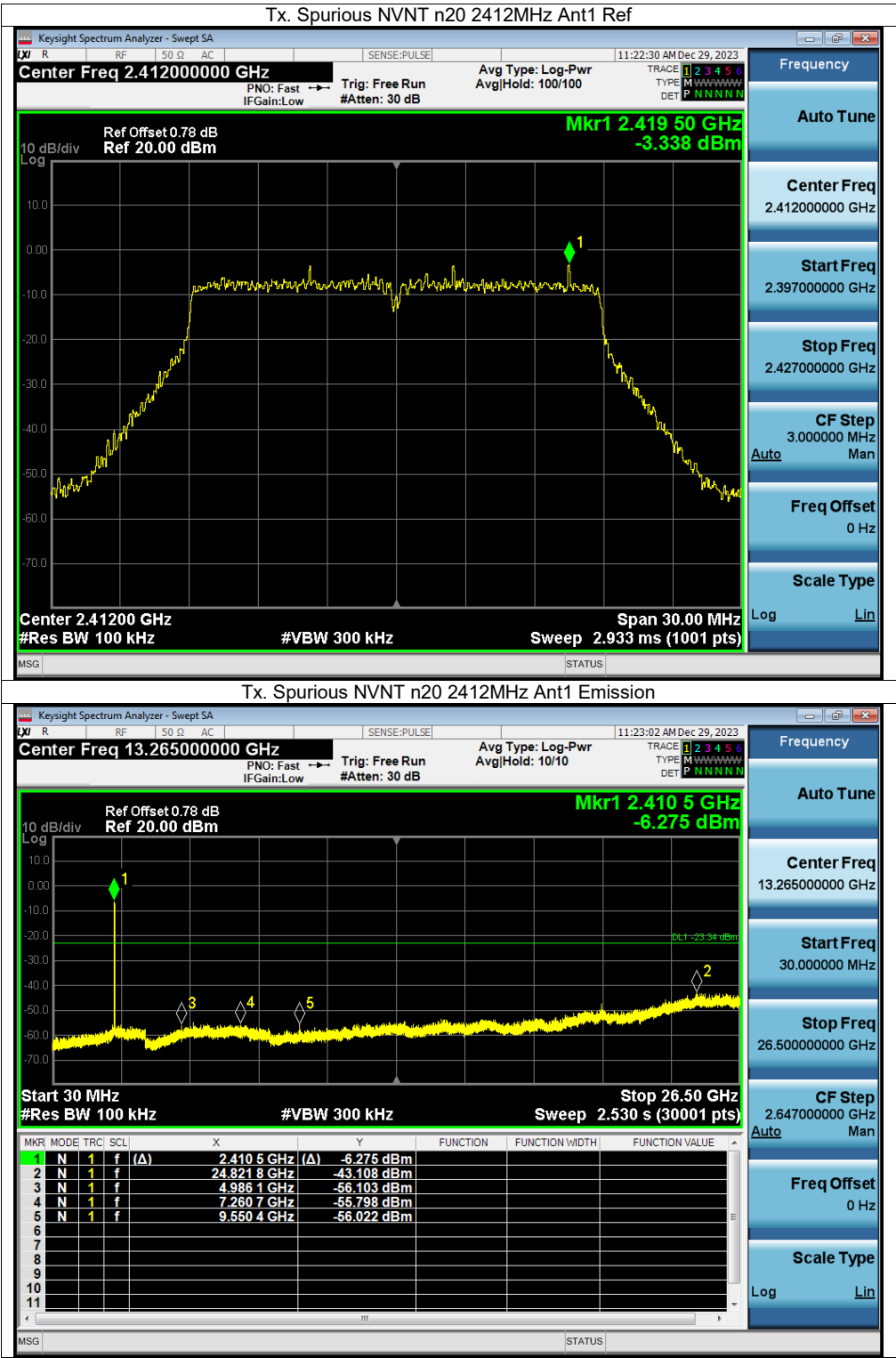


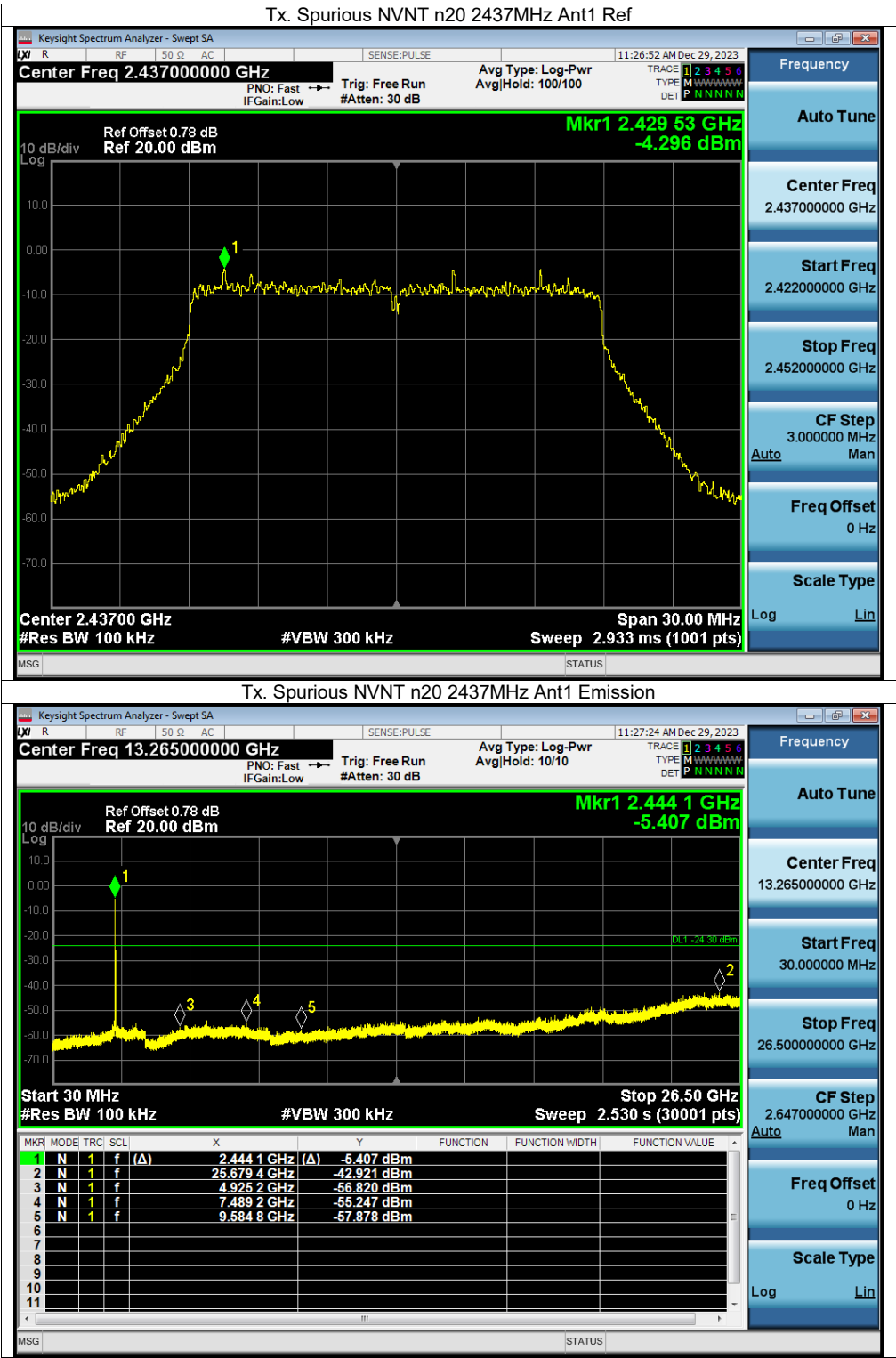


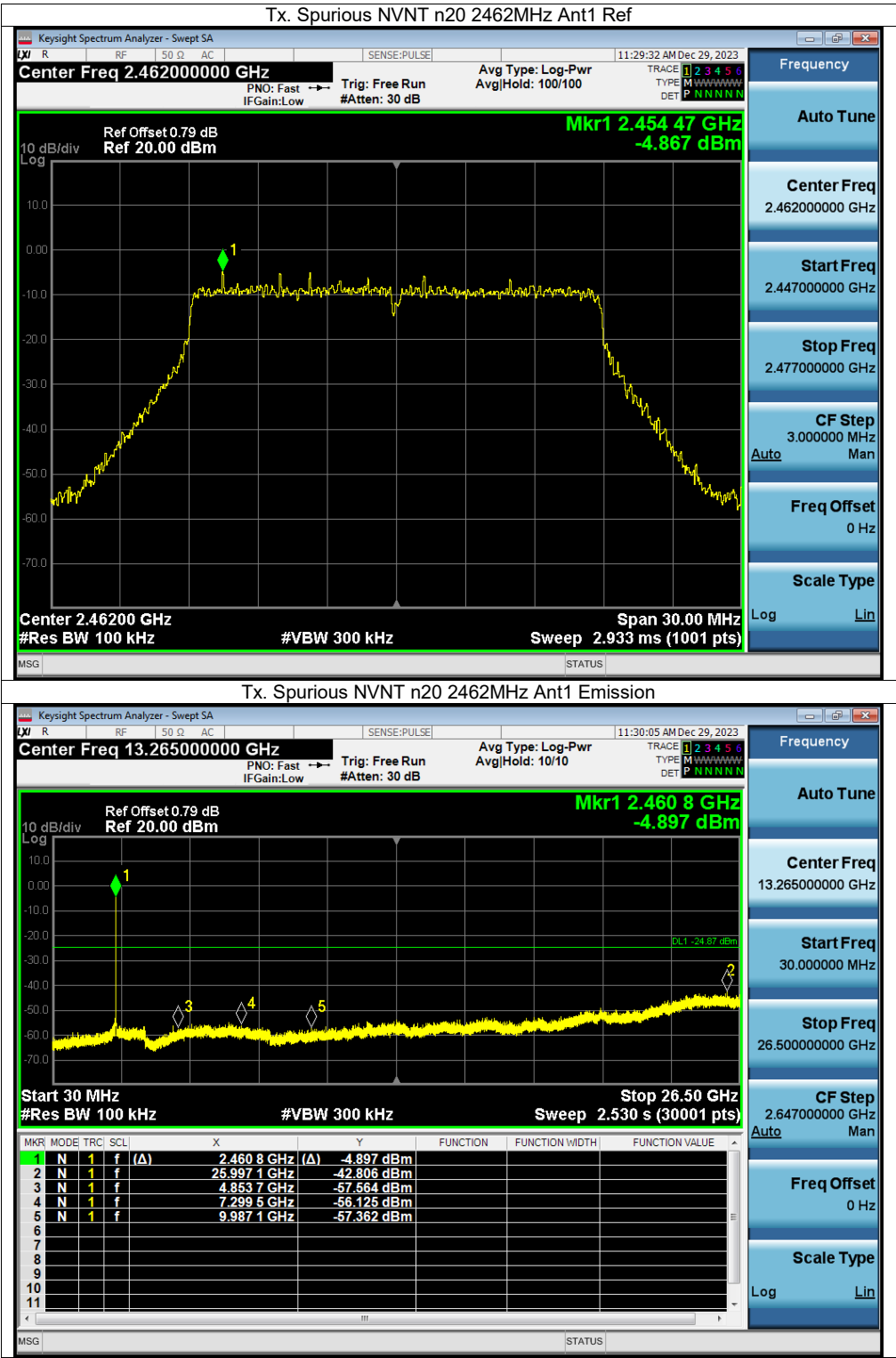


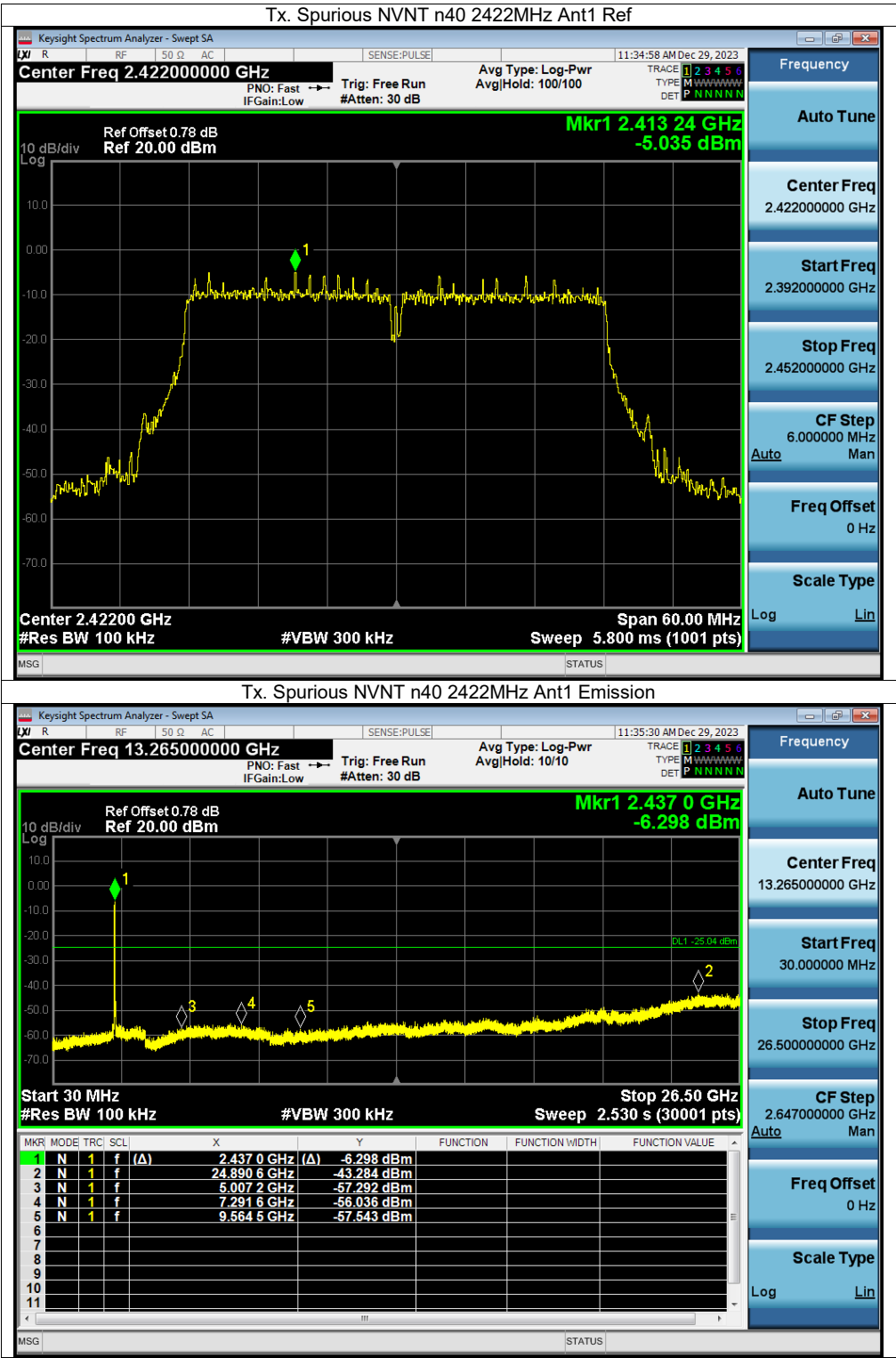


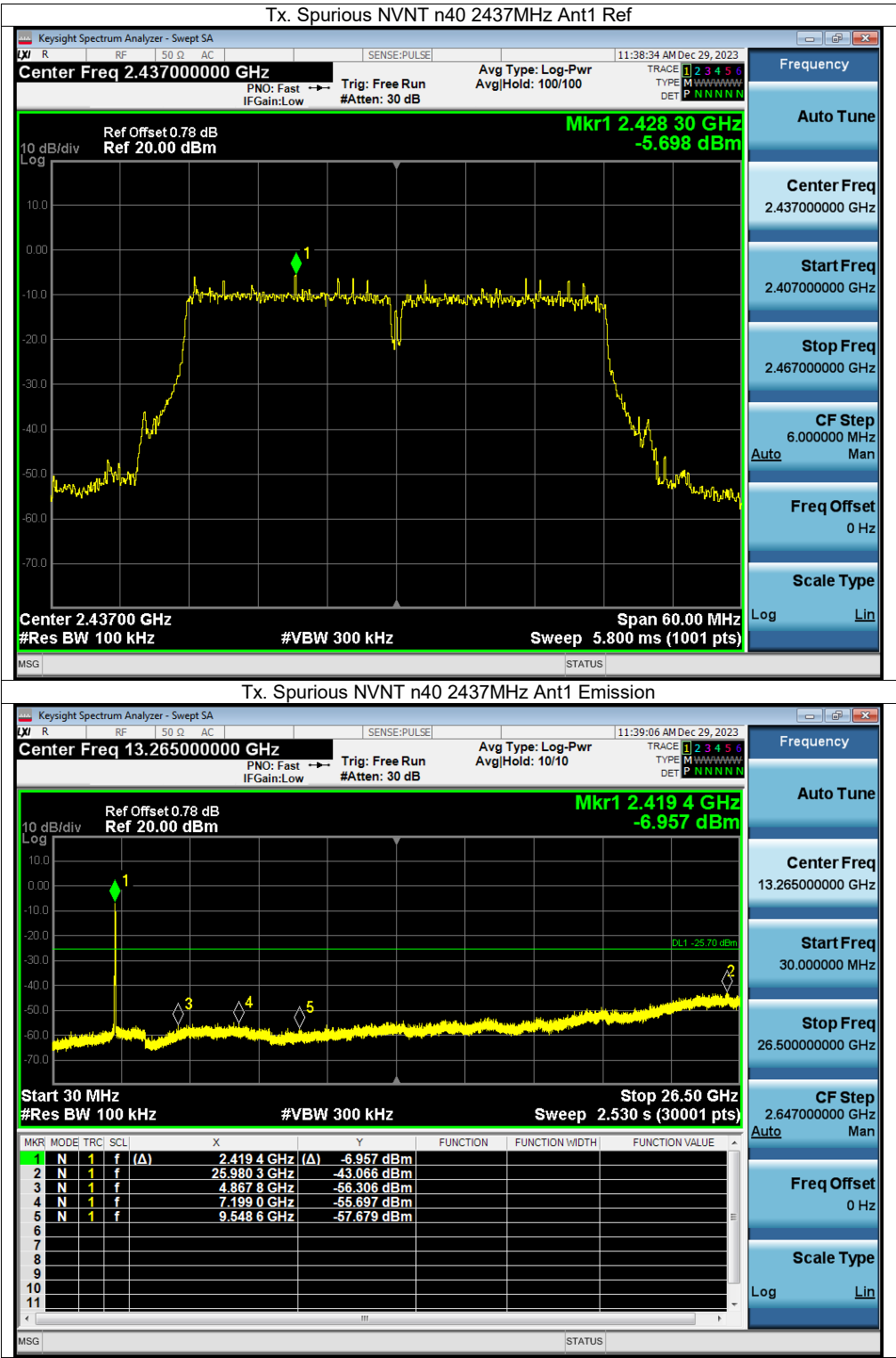


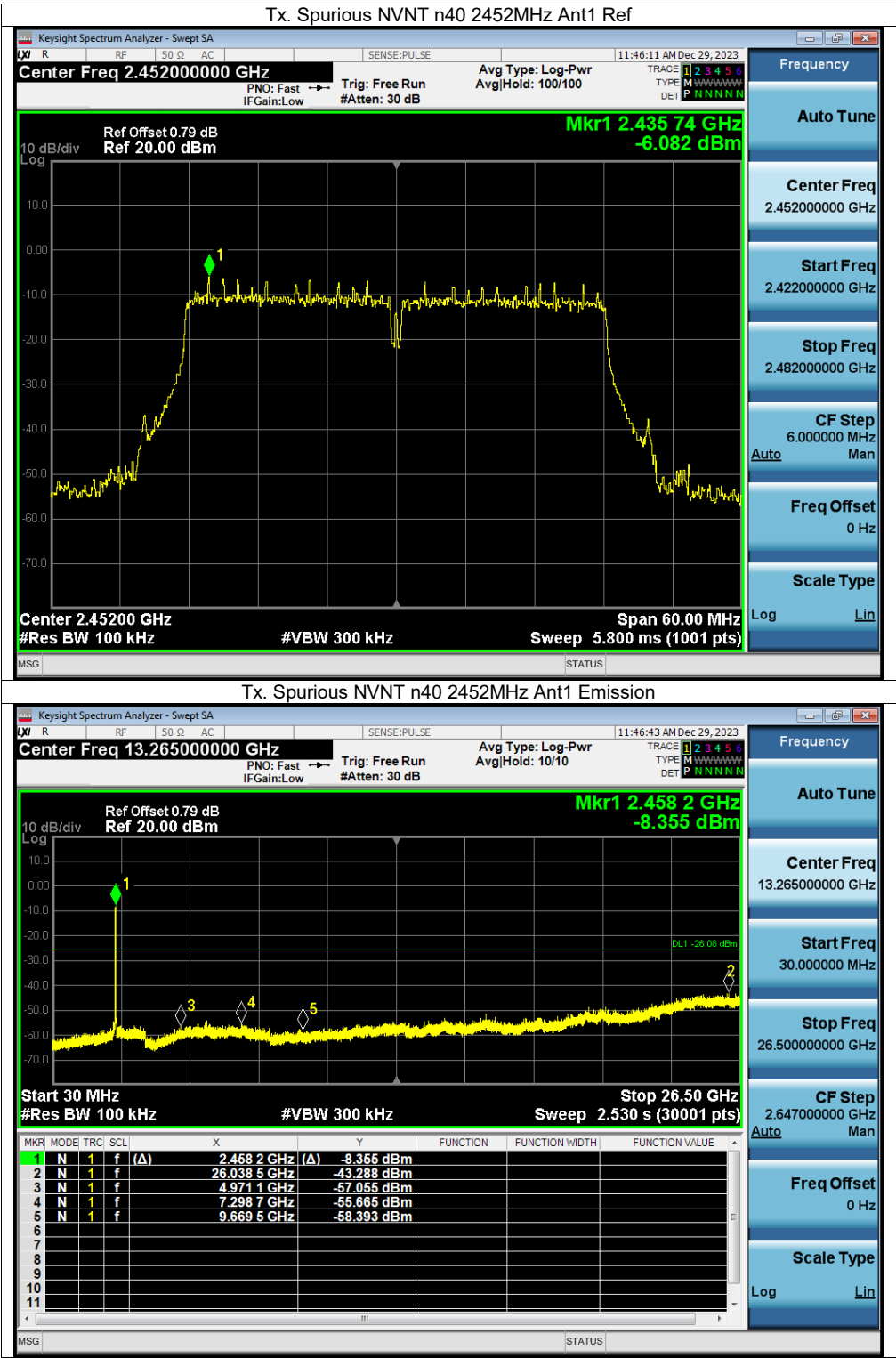










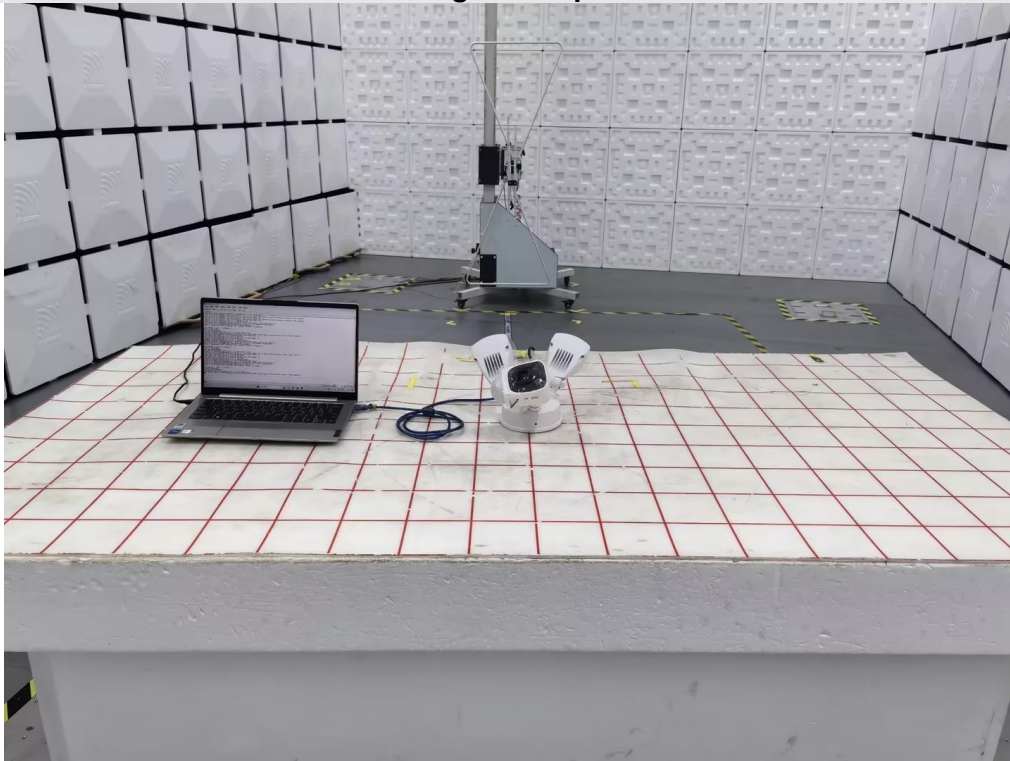


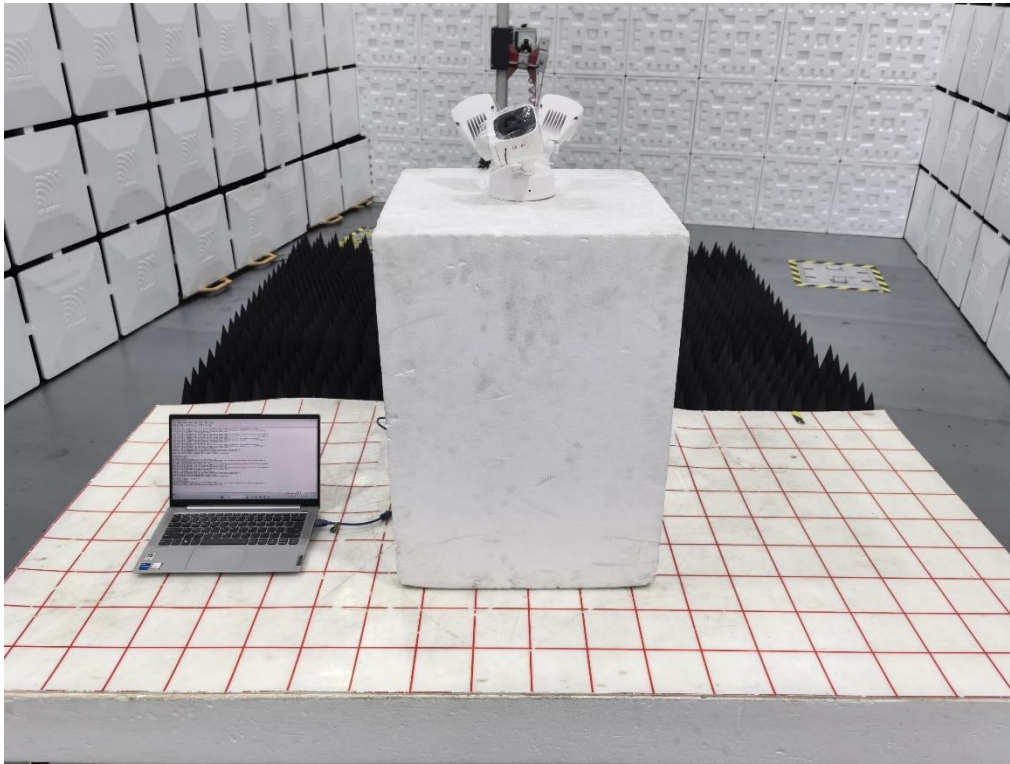
APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION

AC Power Line Conducted Emission



Radiated Band edge and Spurious Emission





END OF REPORT