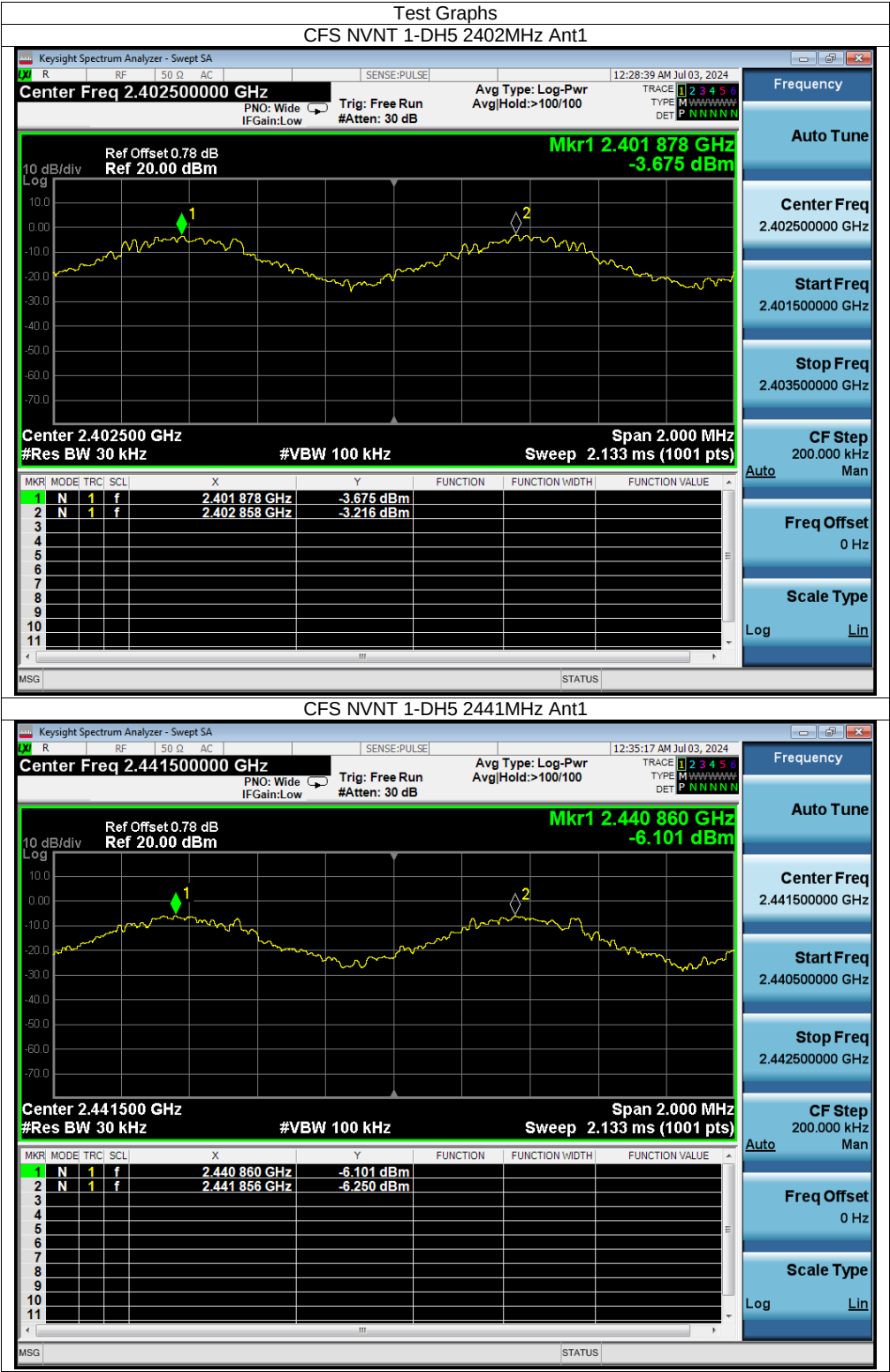


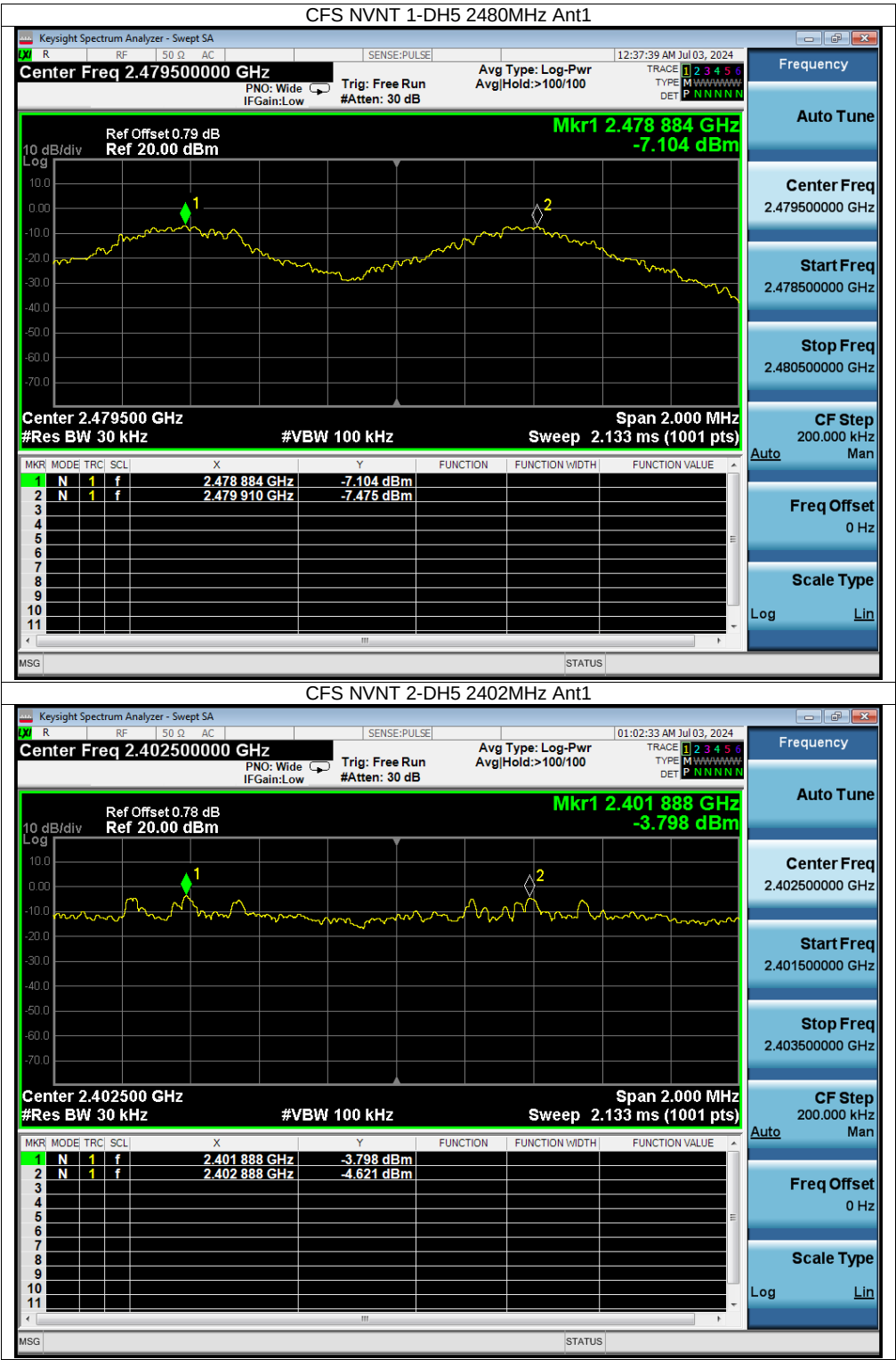


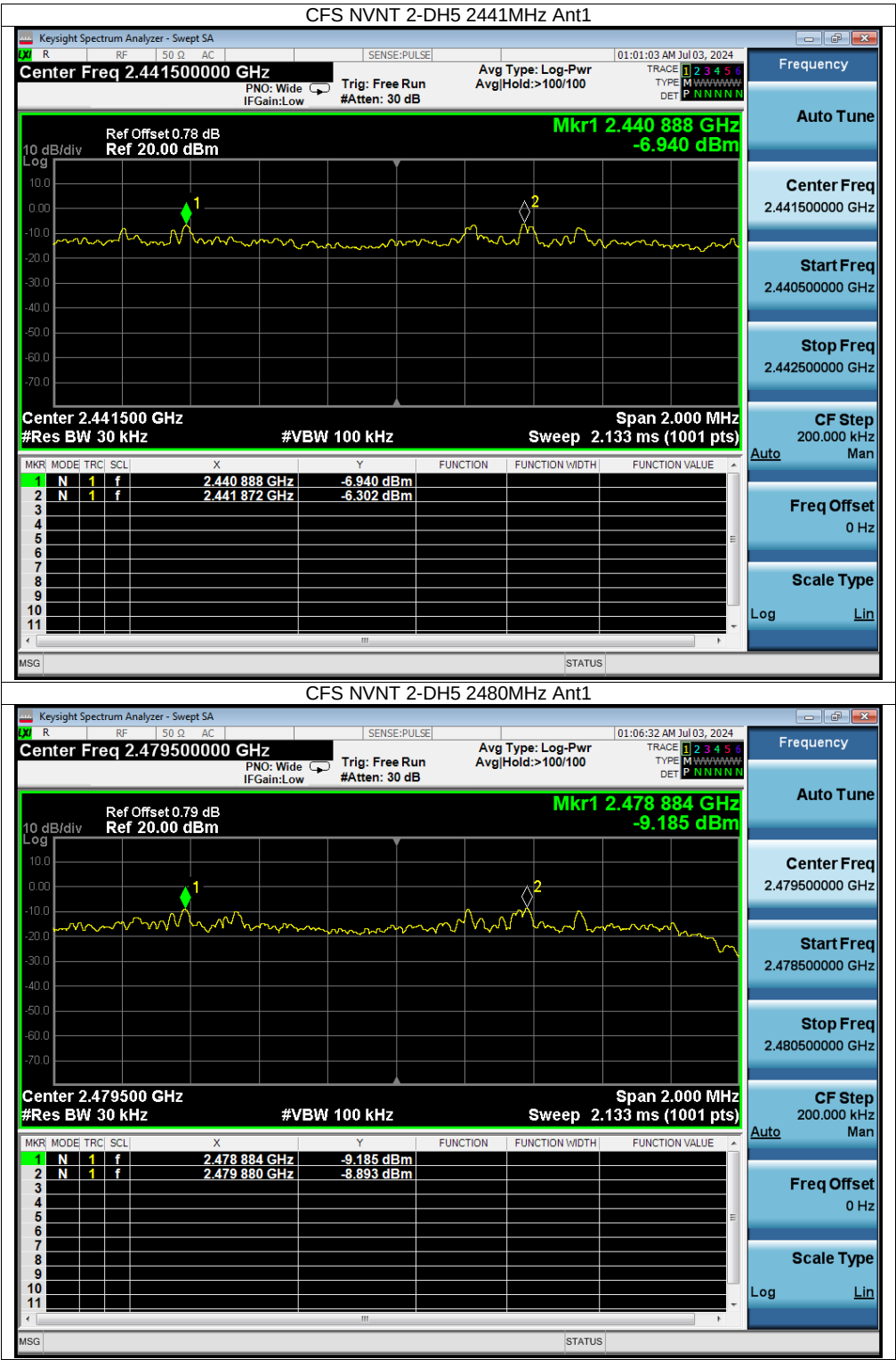


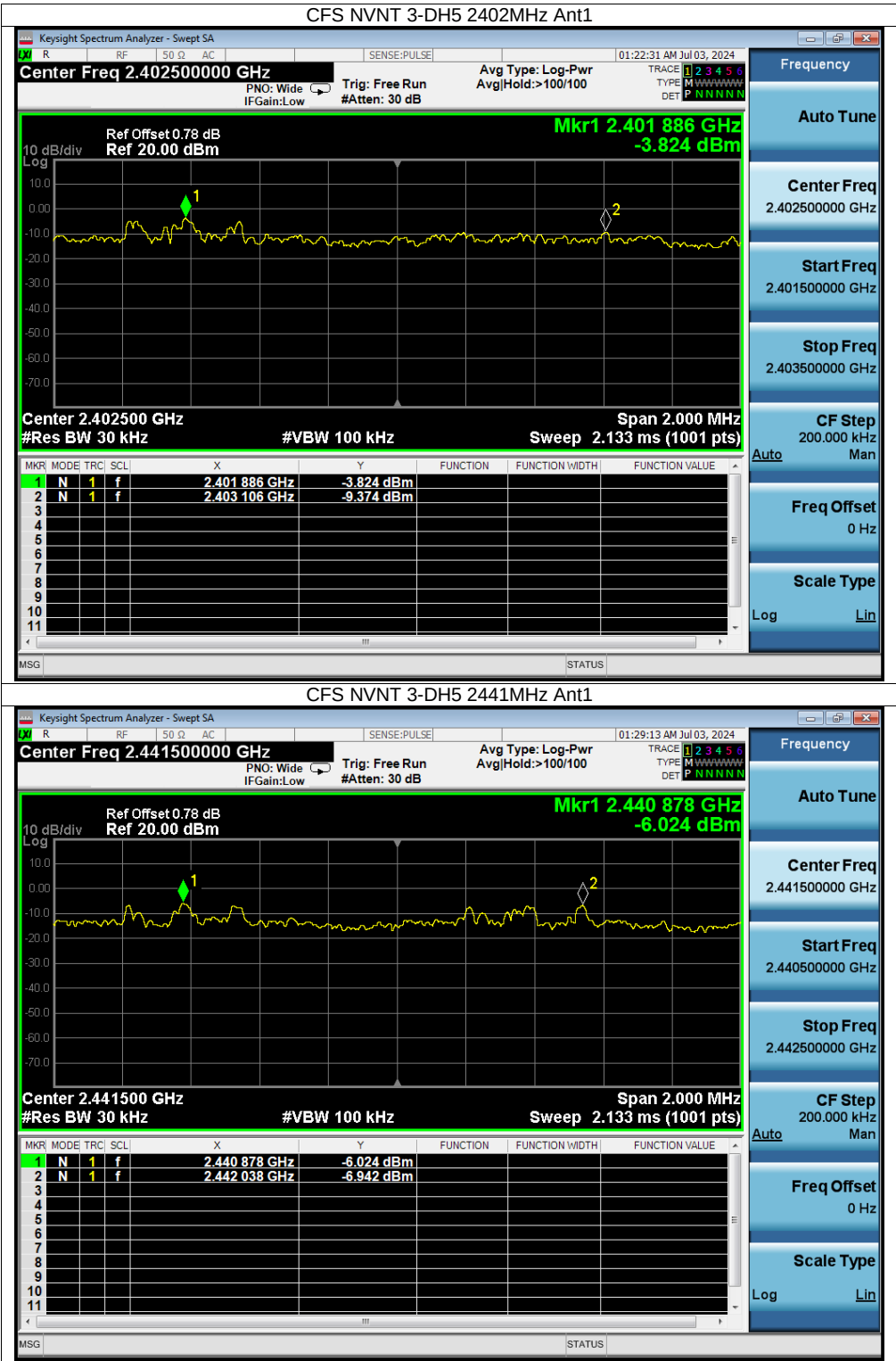
Carrier Frequencies Separation

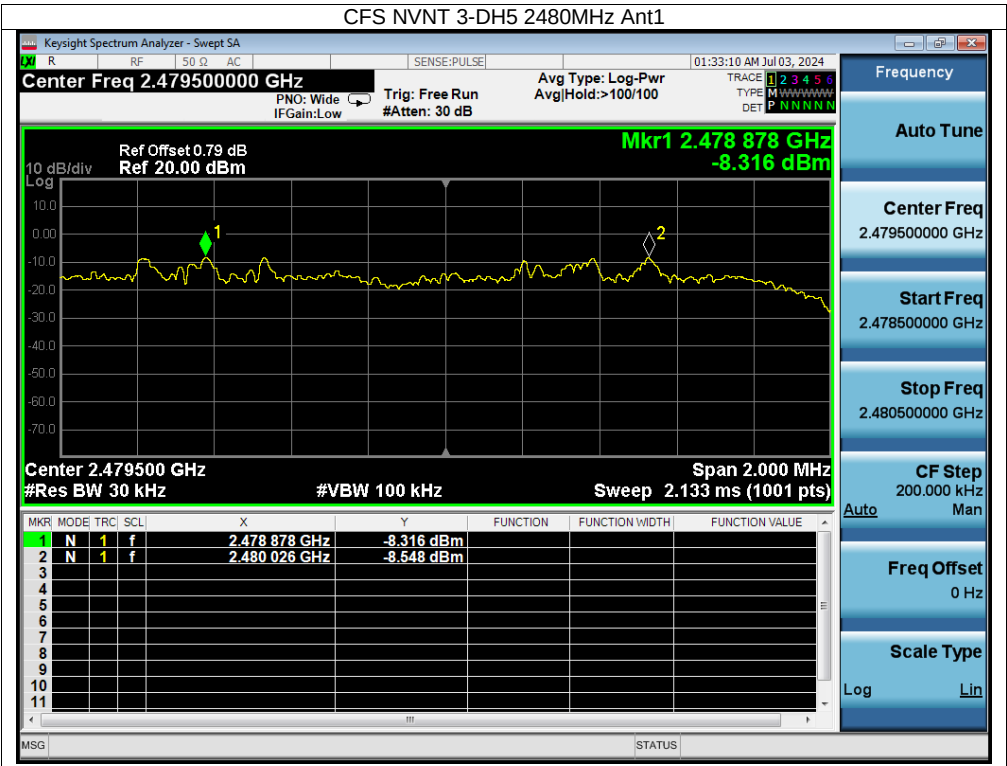
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.878	2402.858	0.98	0.713	Pass
NVNT	1-DH5	Ant1	2440.86	2441.856	0.996	0.64	Pass
NVNT	1-DH5	Ant1	2478.884	2479.91	1.026	0.667	Pass
NVNT	2-DH5	Ant1	2401.888	2402.888	1	0.867	Pass
NVNT	2-DH5	Ant1	2440.888	2441.872	0.984	0.86	Pass
NVNT	2-DH5	Ant1	2478.884	2479.88	0.996	0.86	Pass
NVNT	3-DH5	Ant1	2401.886	2403.106	1.22	0.867	Pass
NVNT	3-DH5	Ant1	2440.878	2442.038	1.16	0.867	Pass
NVNT	3-DH5	Ant1	2478.878	2480.026	1.148	0.873	Pass





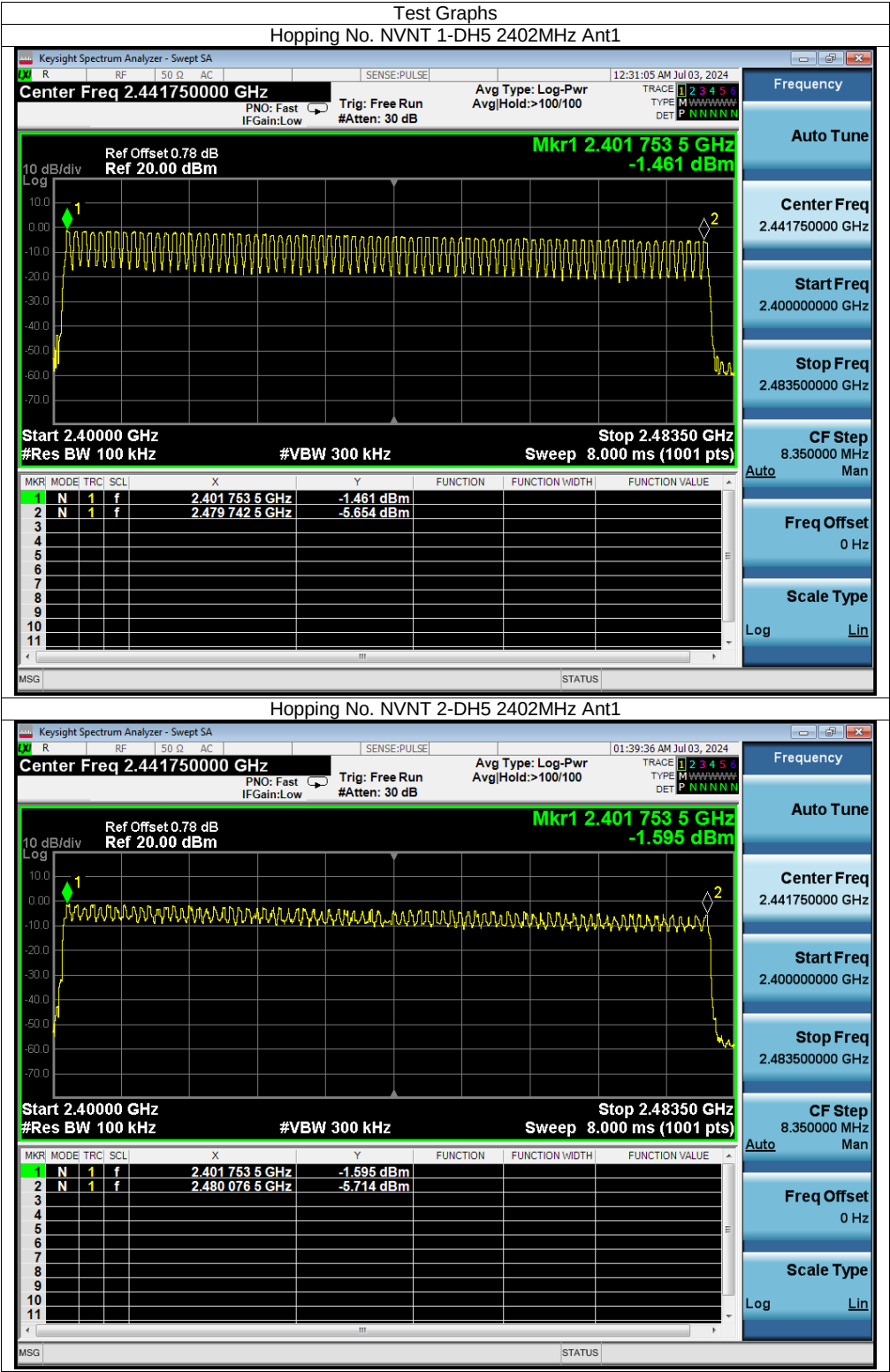


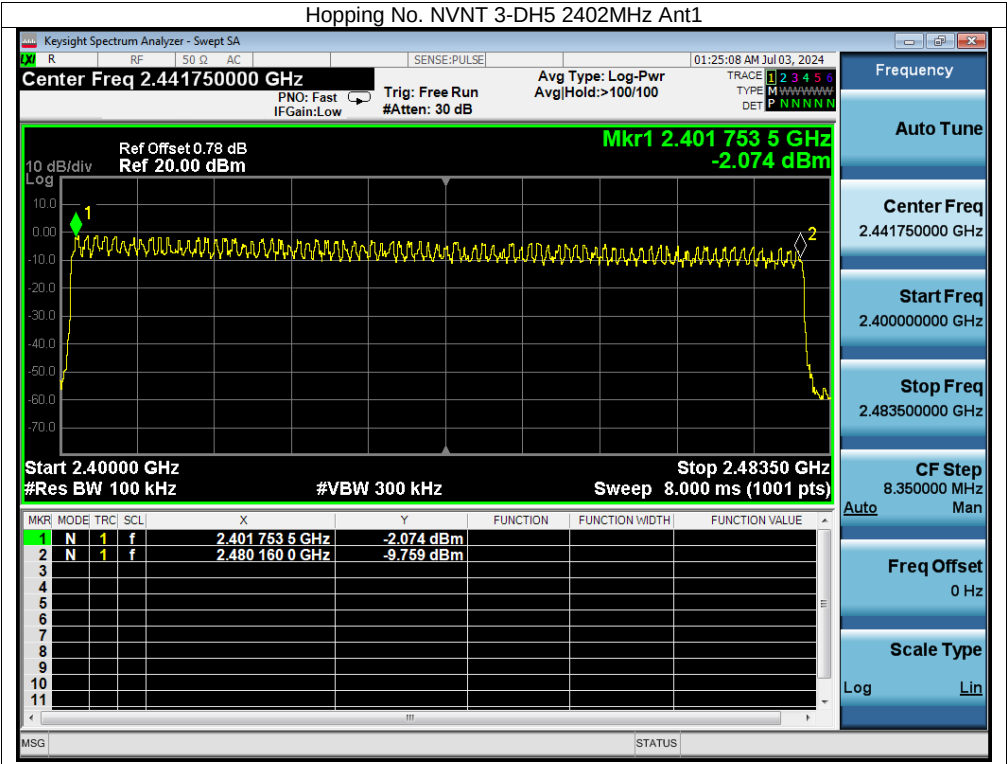




Number of Hopping Channel

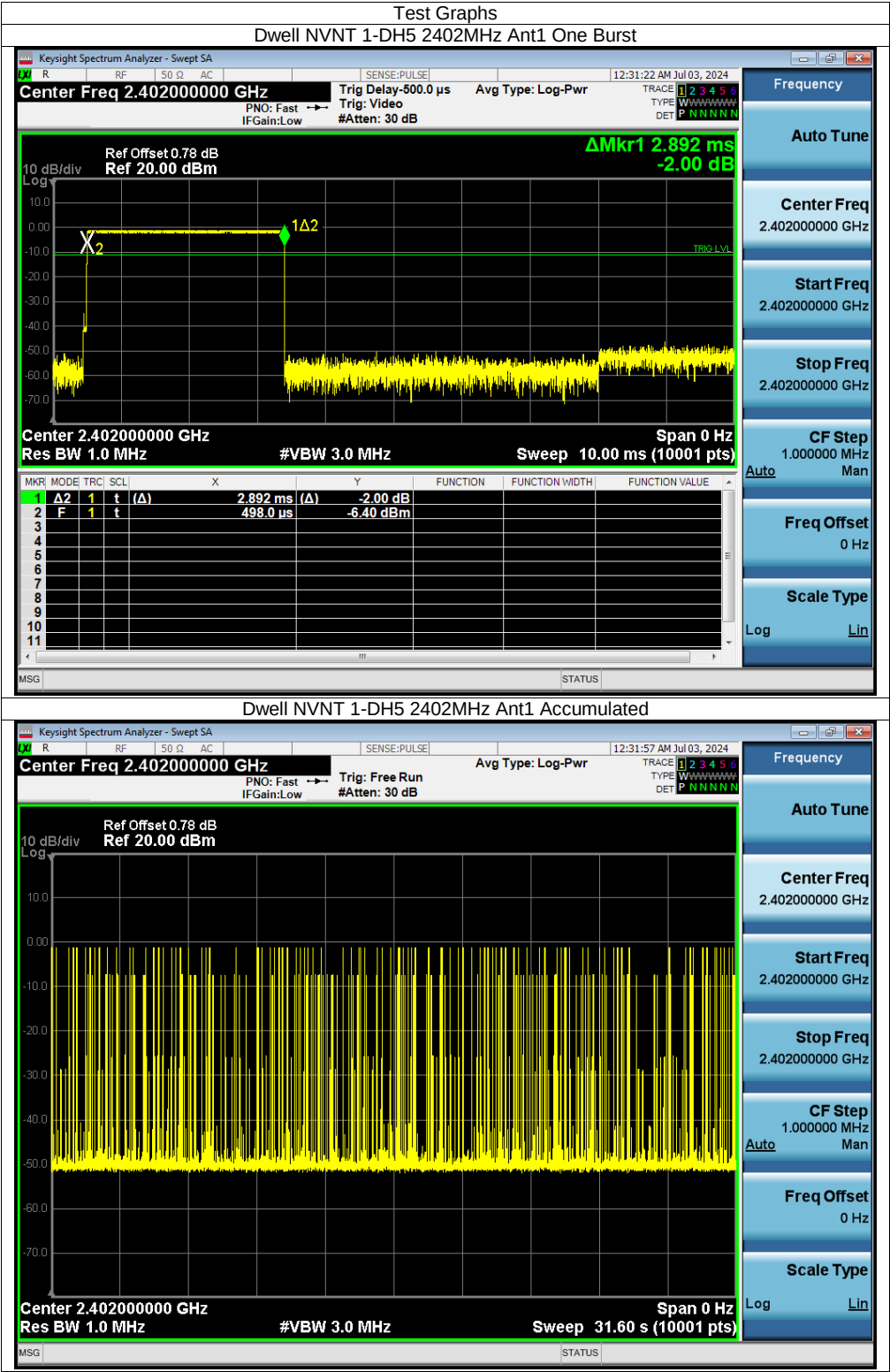
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

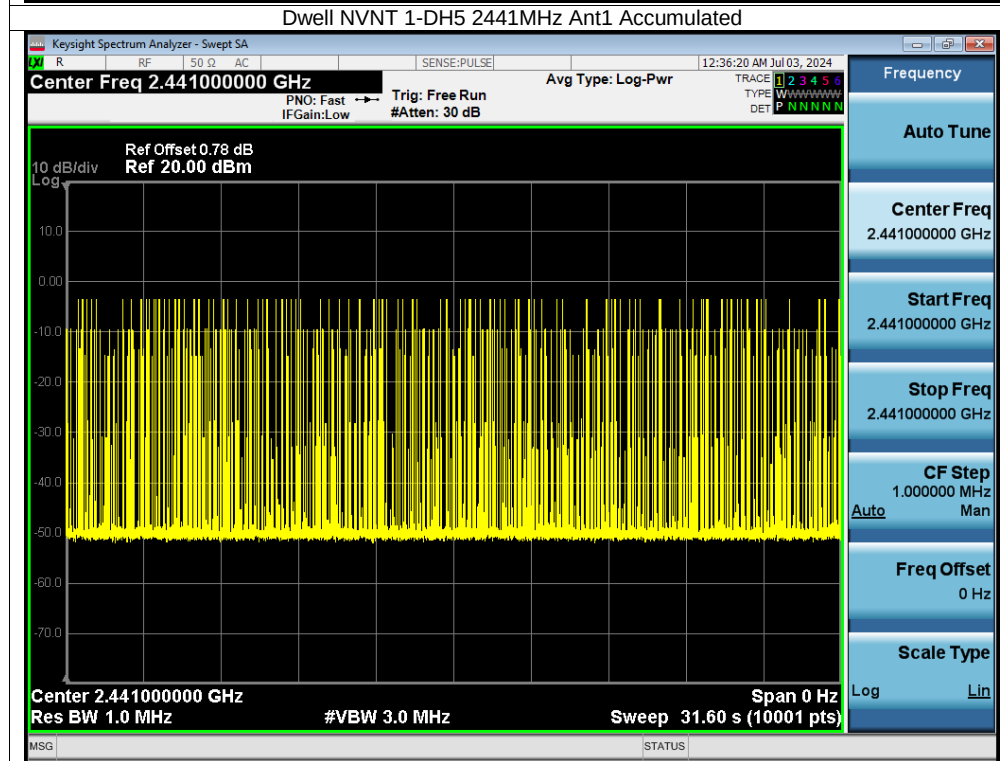


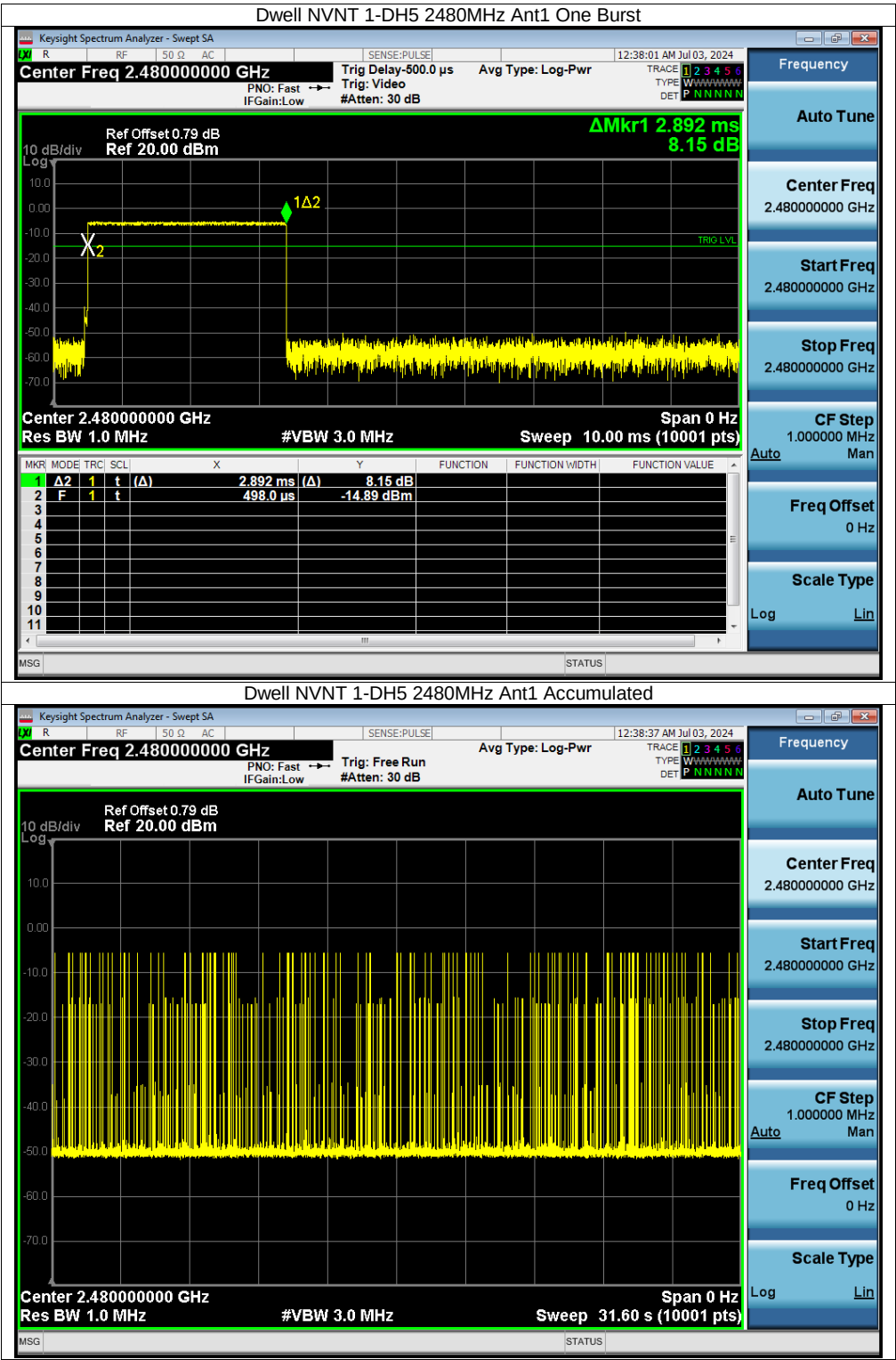


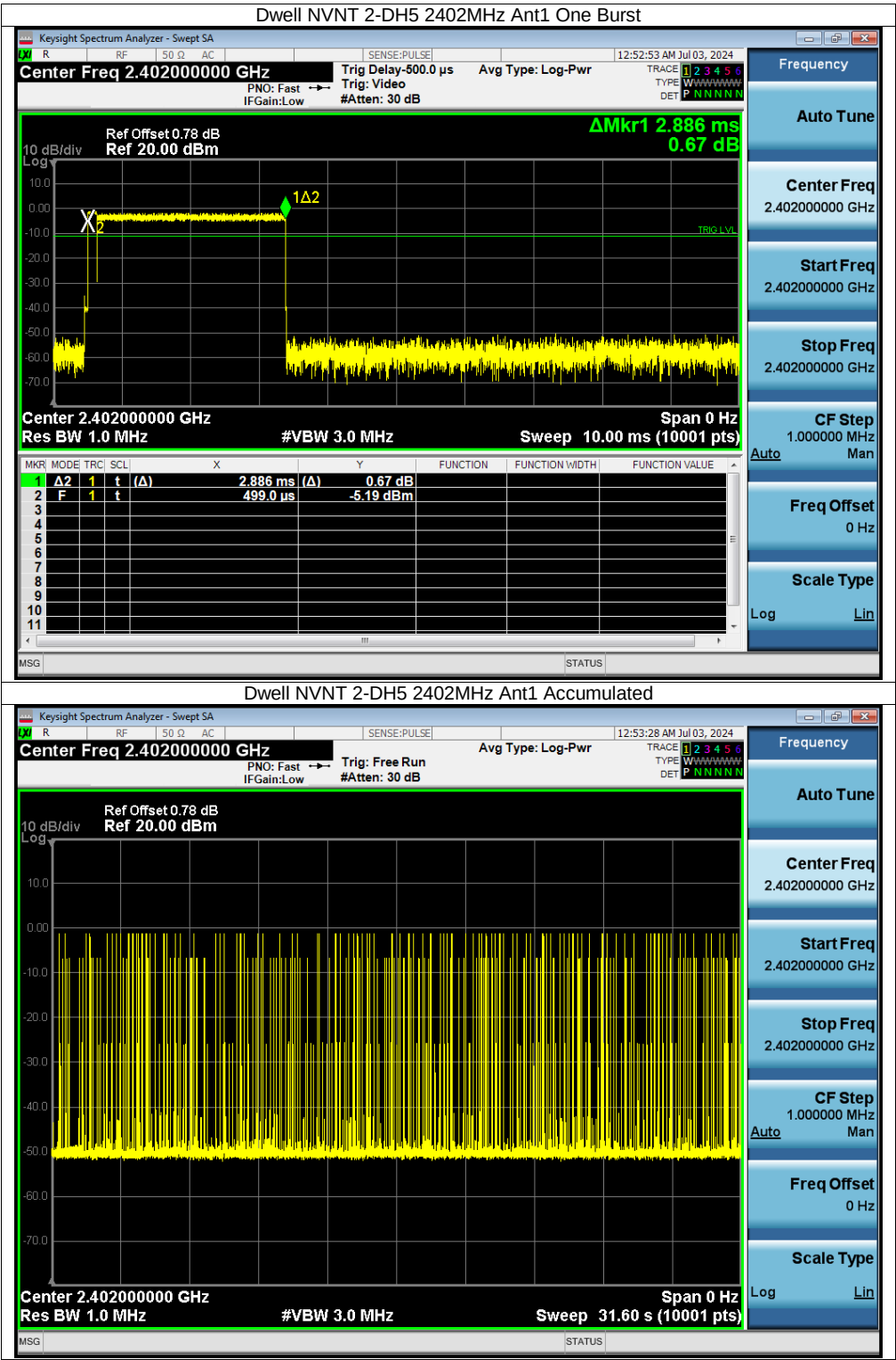
Dwell Time

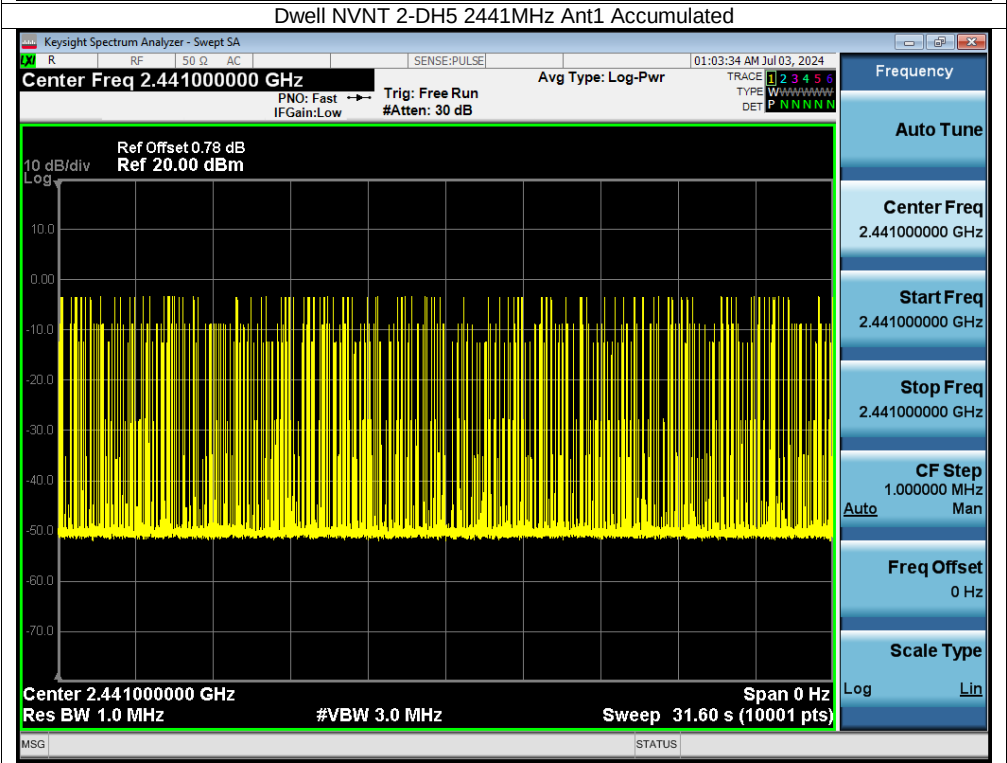
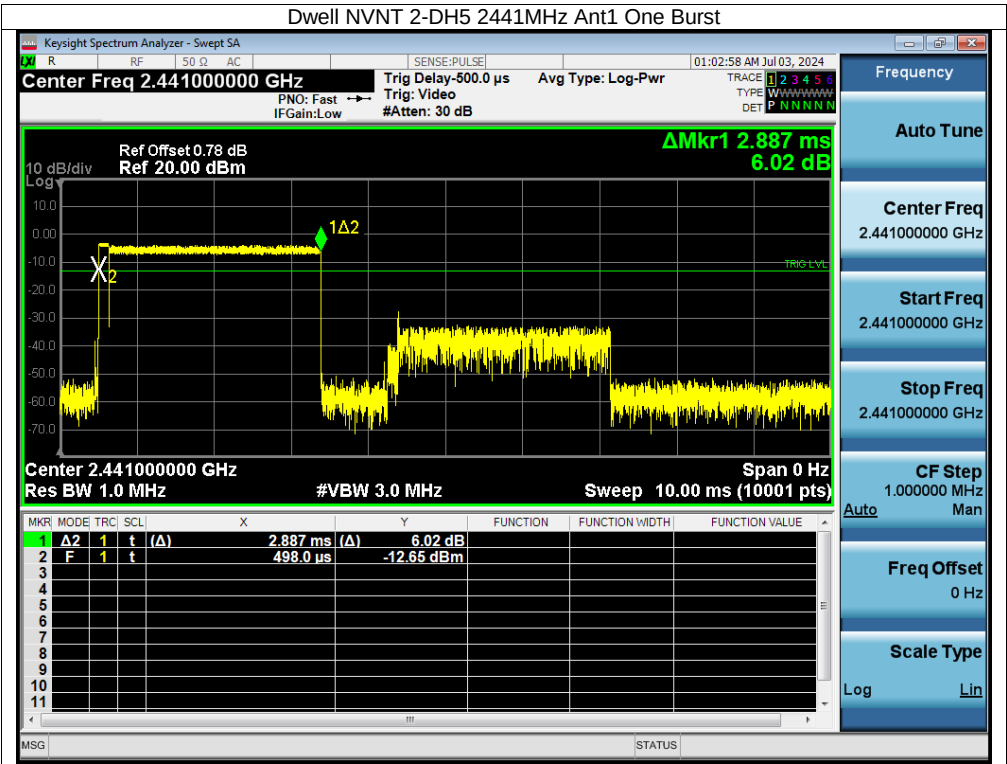
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.892	318.12	110	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.892	318.12	110	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.892	318.12	110	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.886	314.574	109	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.887	314.683	109	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.886	320.346	111	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.888	280.136	97	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.887	308.909	107	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.887	306.022	106	31600	400	Pass

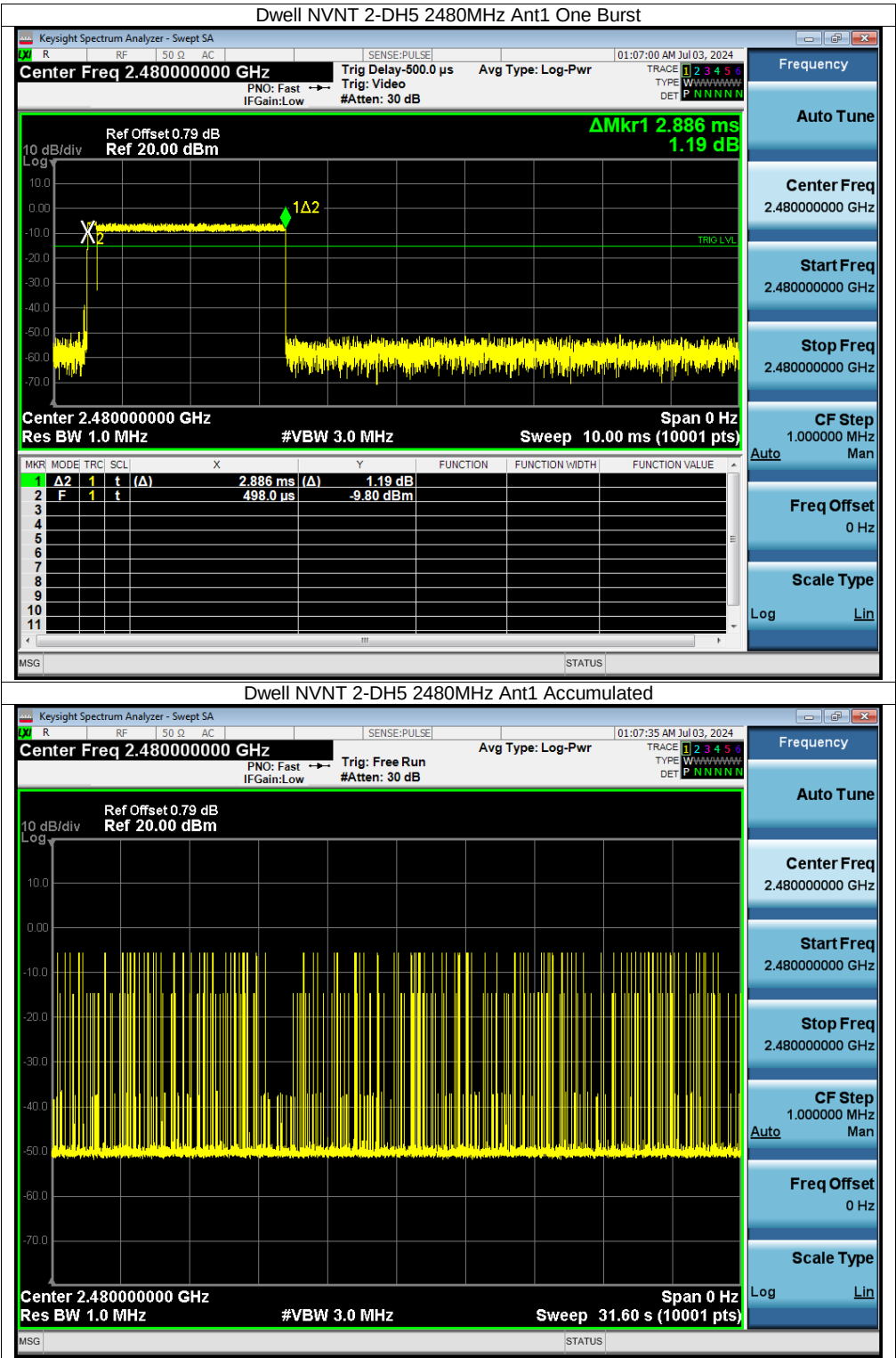


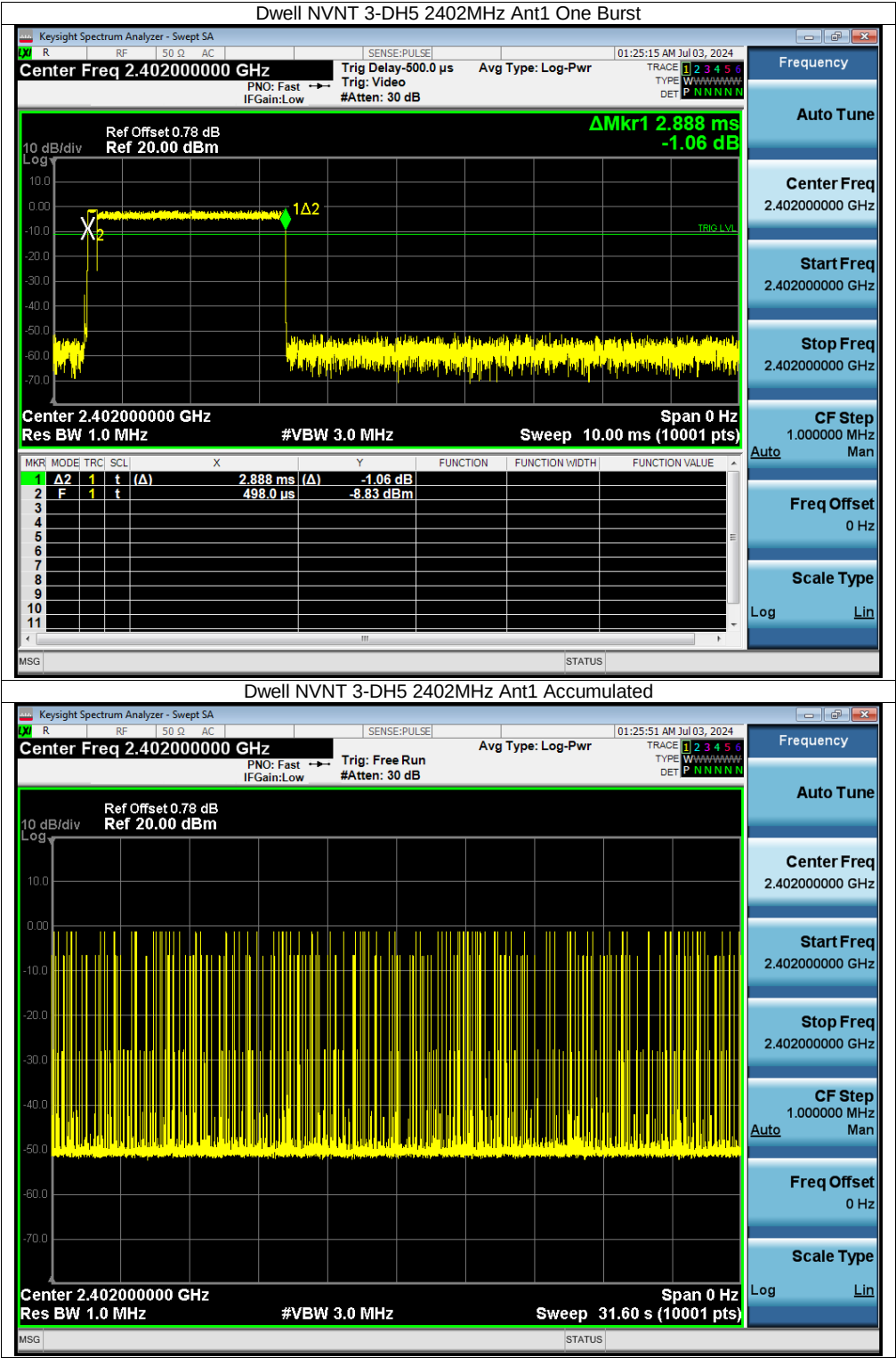


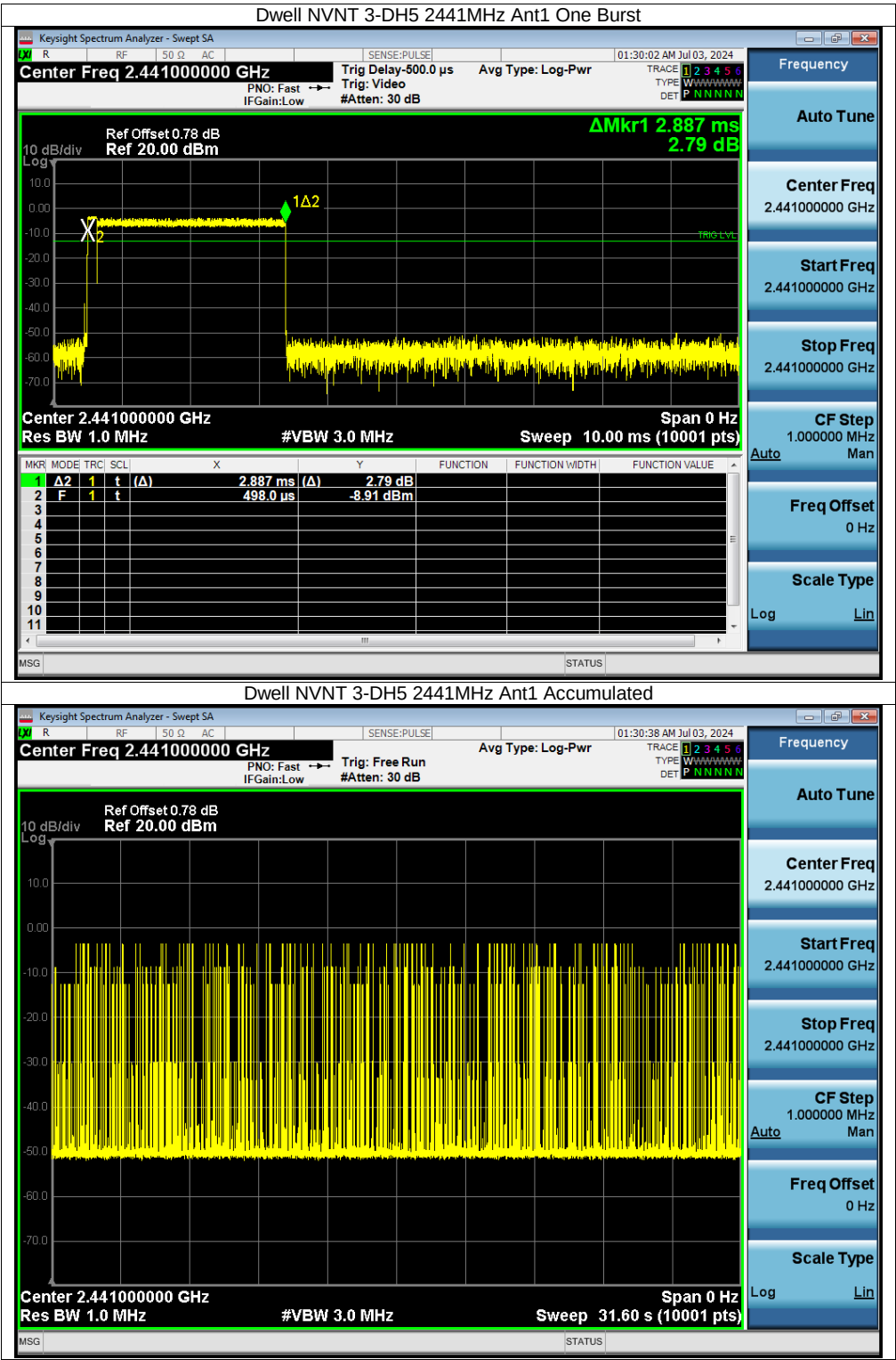


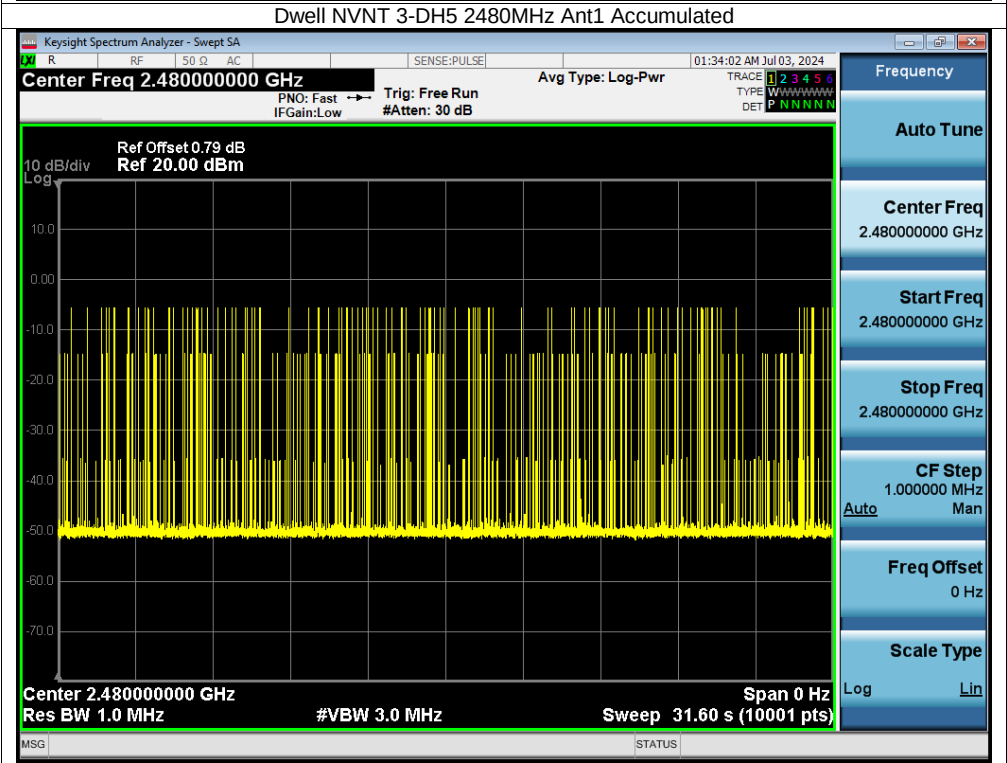
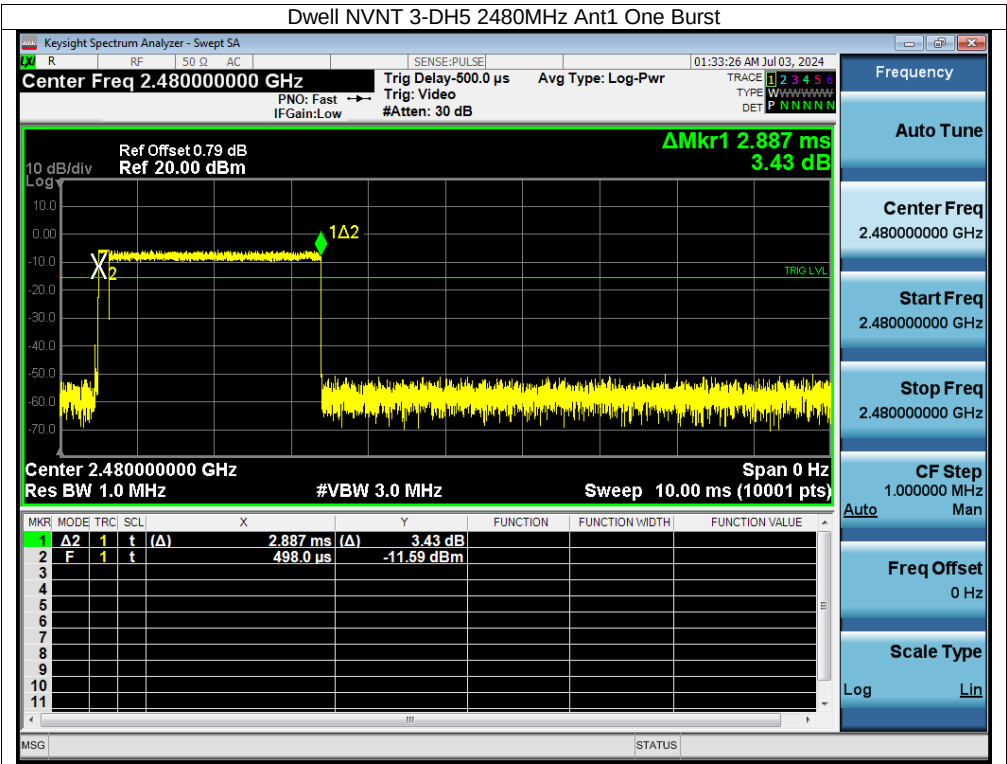






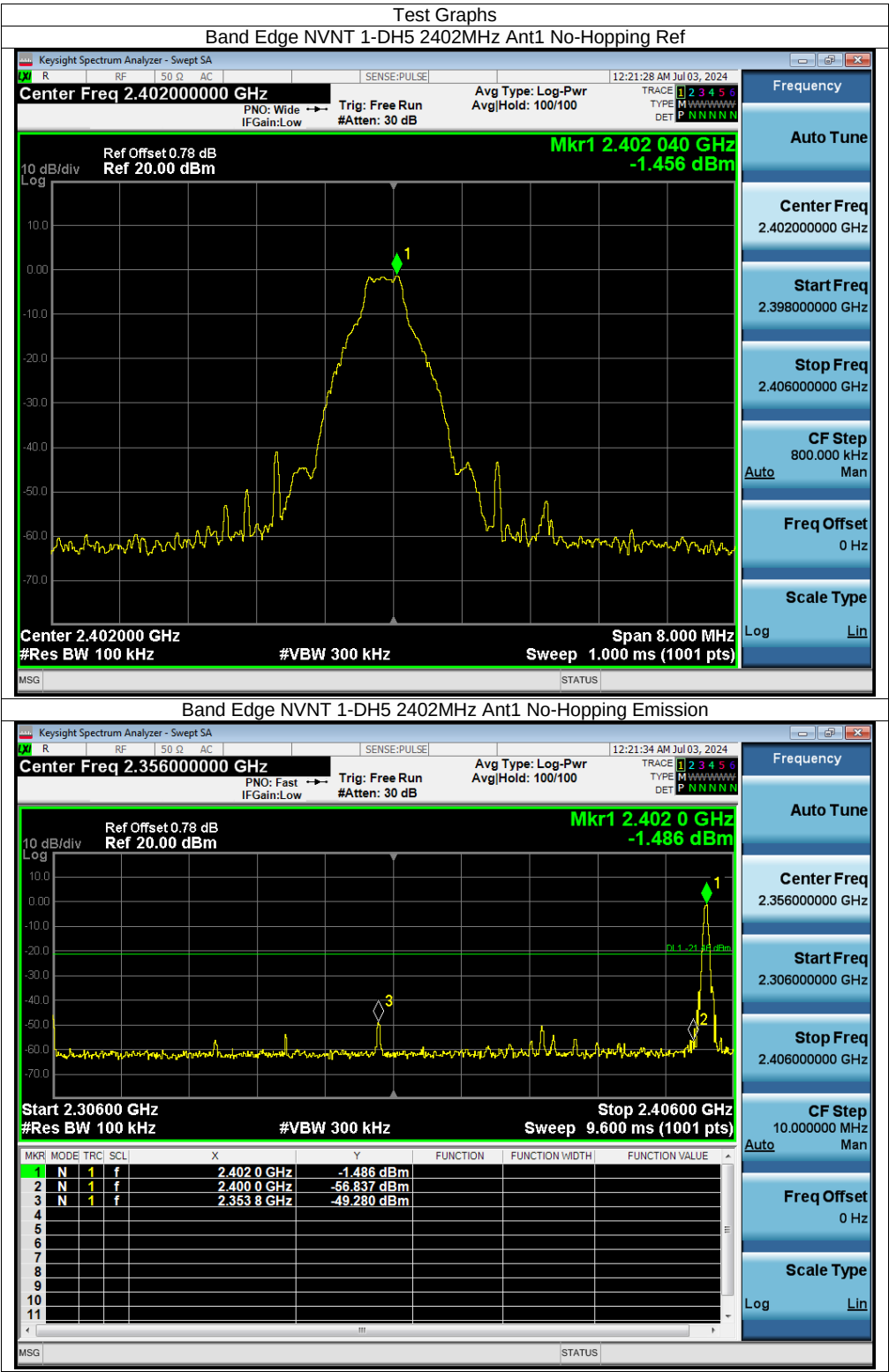


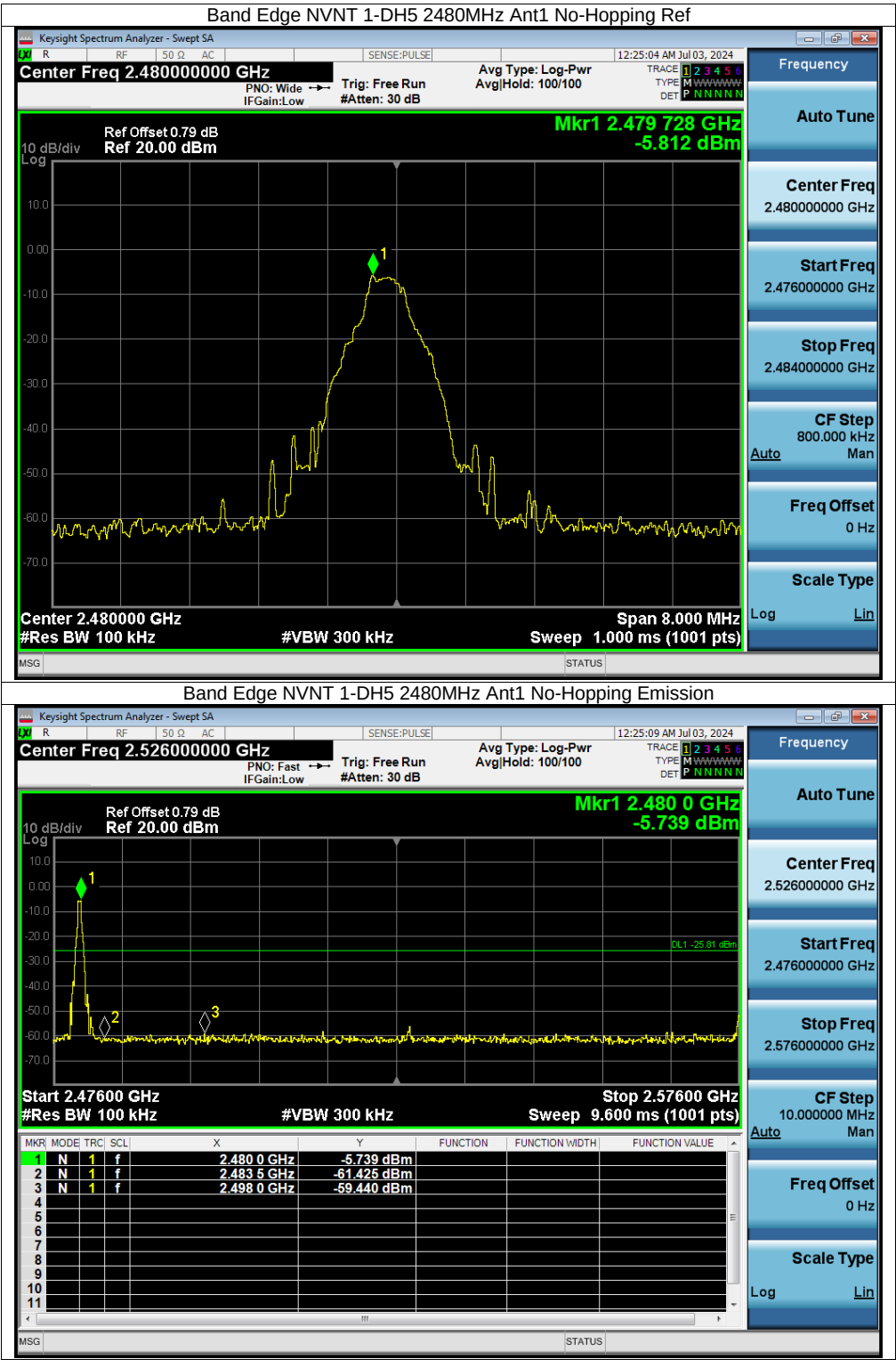


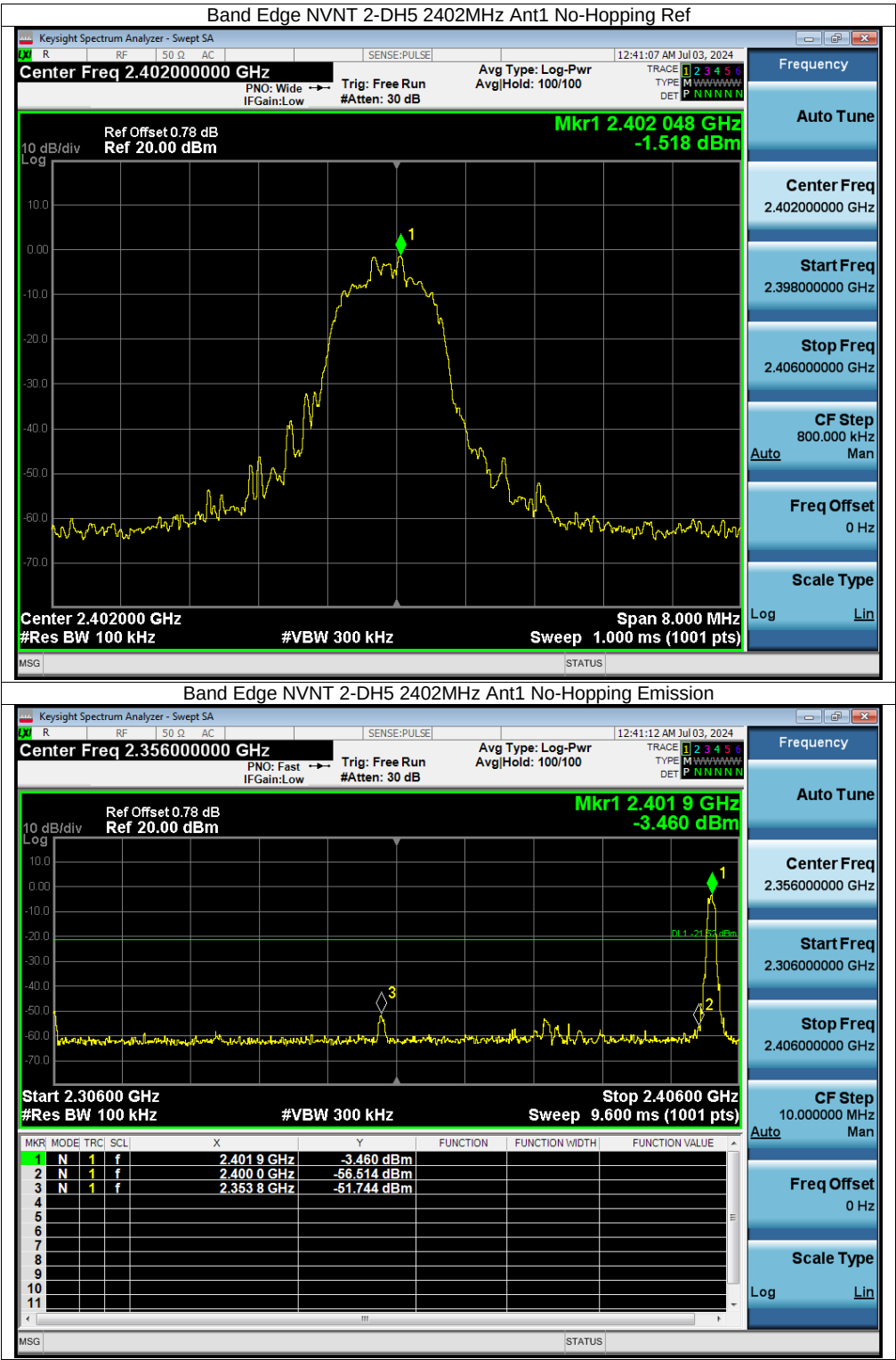


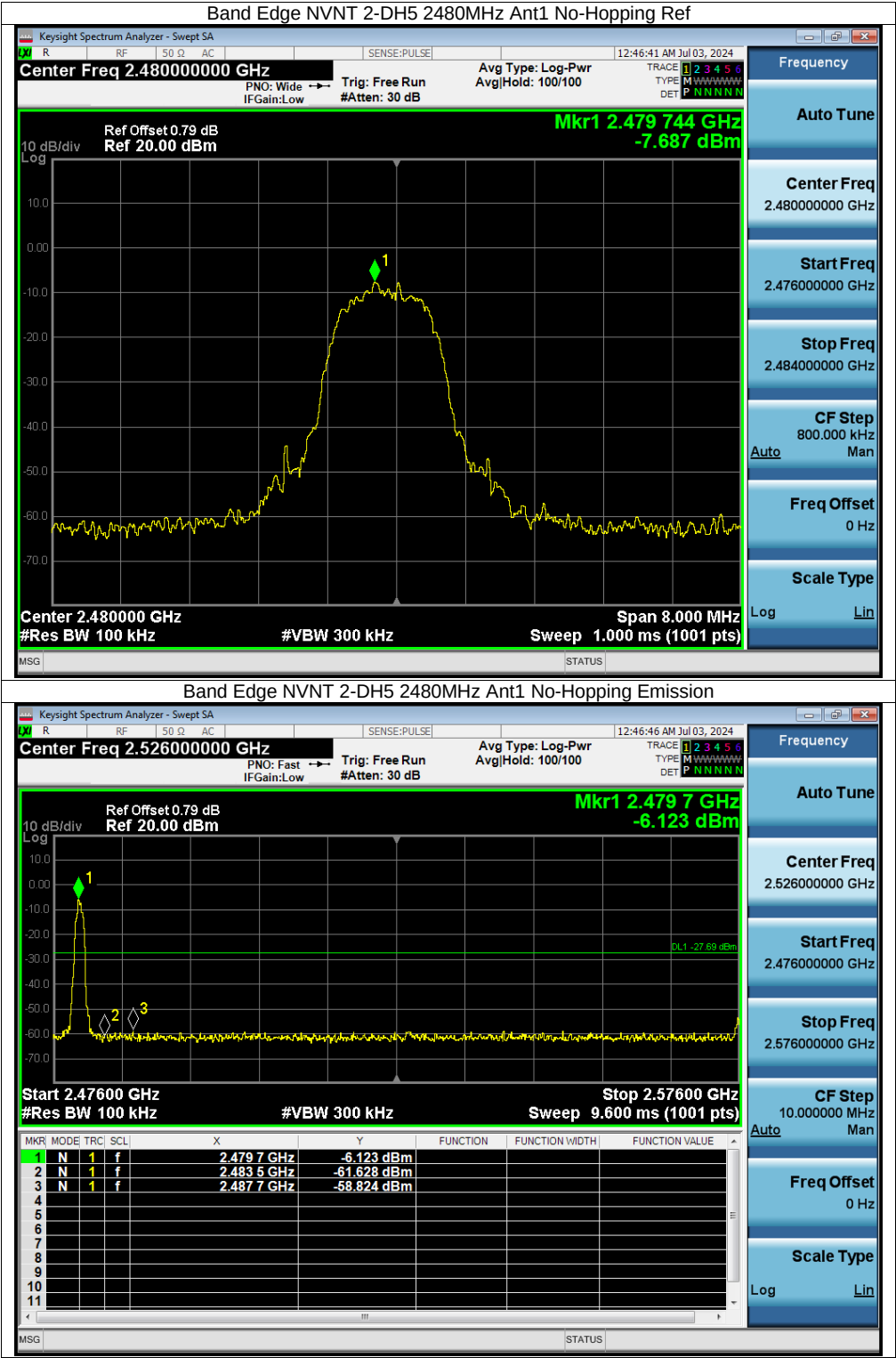
Band Edge

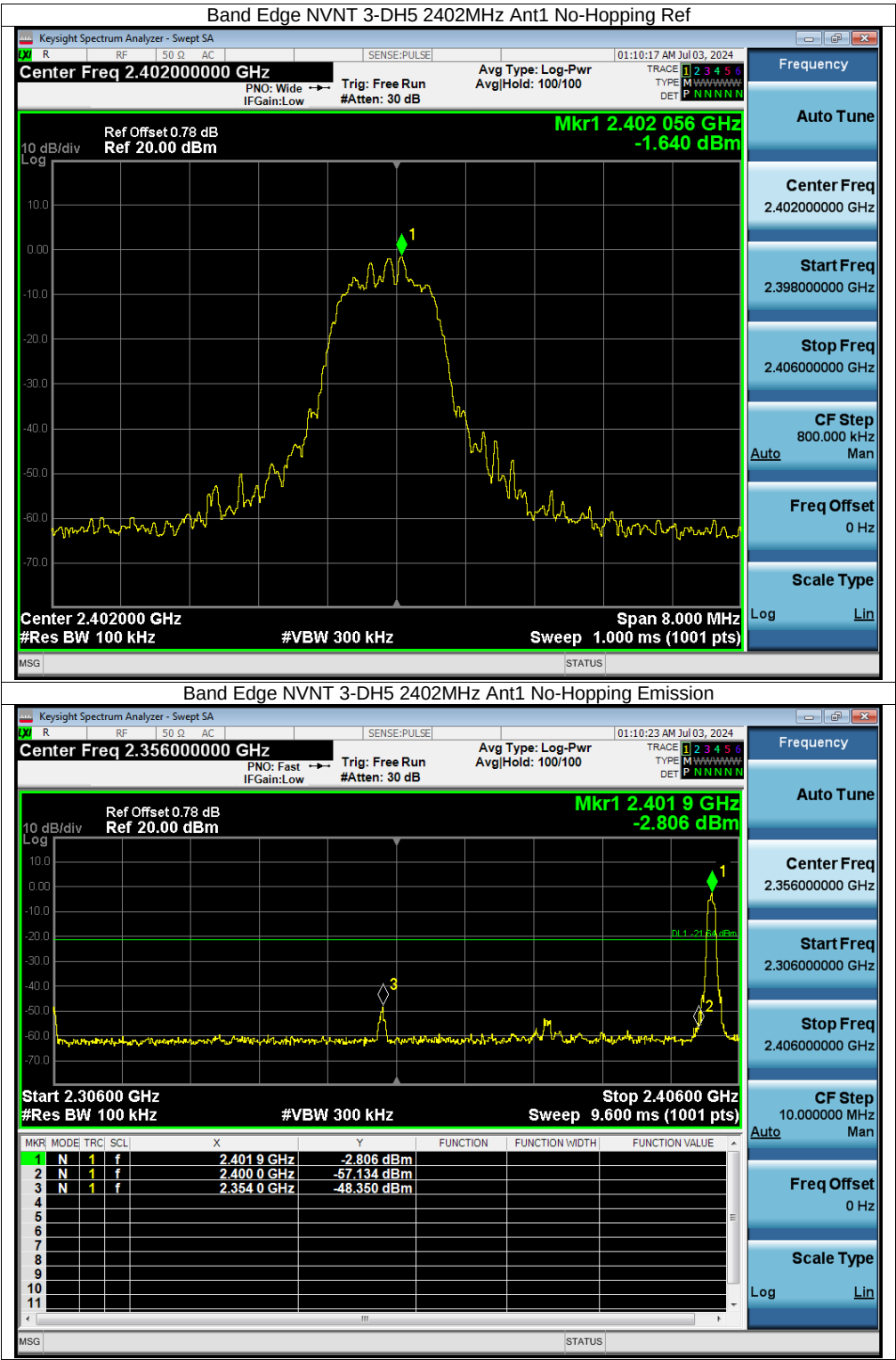
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-47.82	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-53.63	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-50.22	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-51.13	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-46.71	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-50.8	-20	Pass

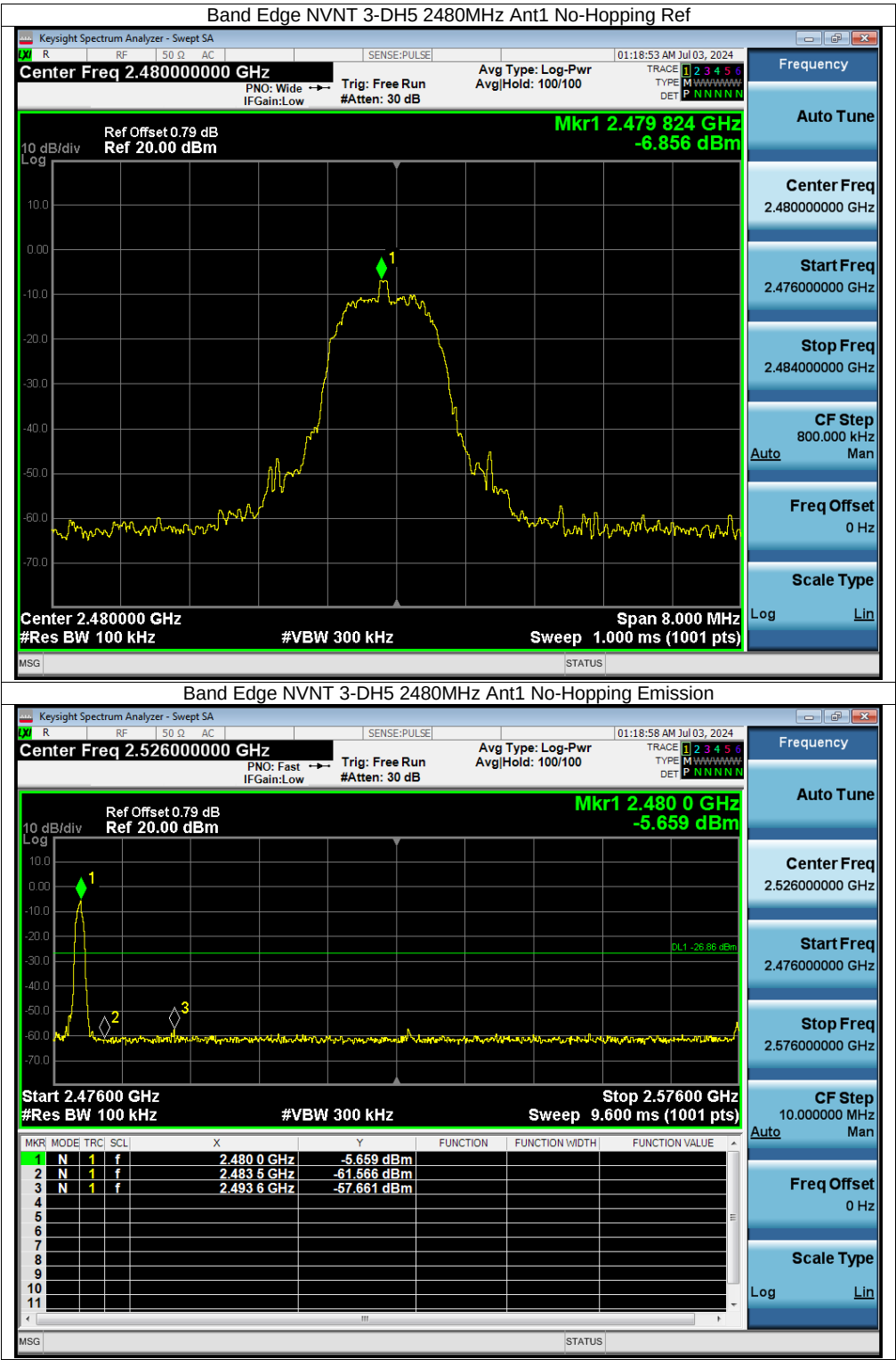






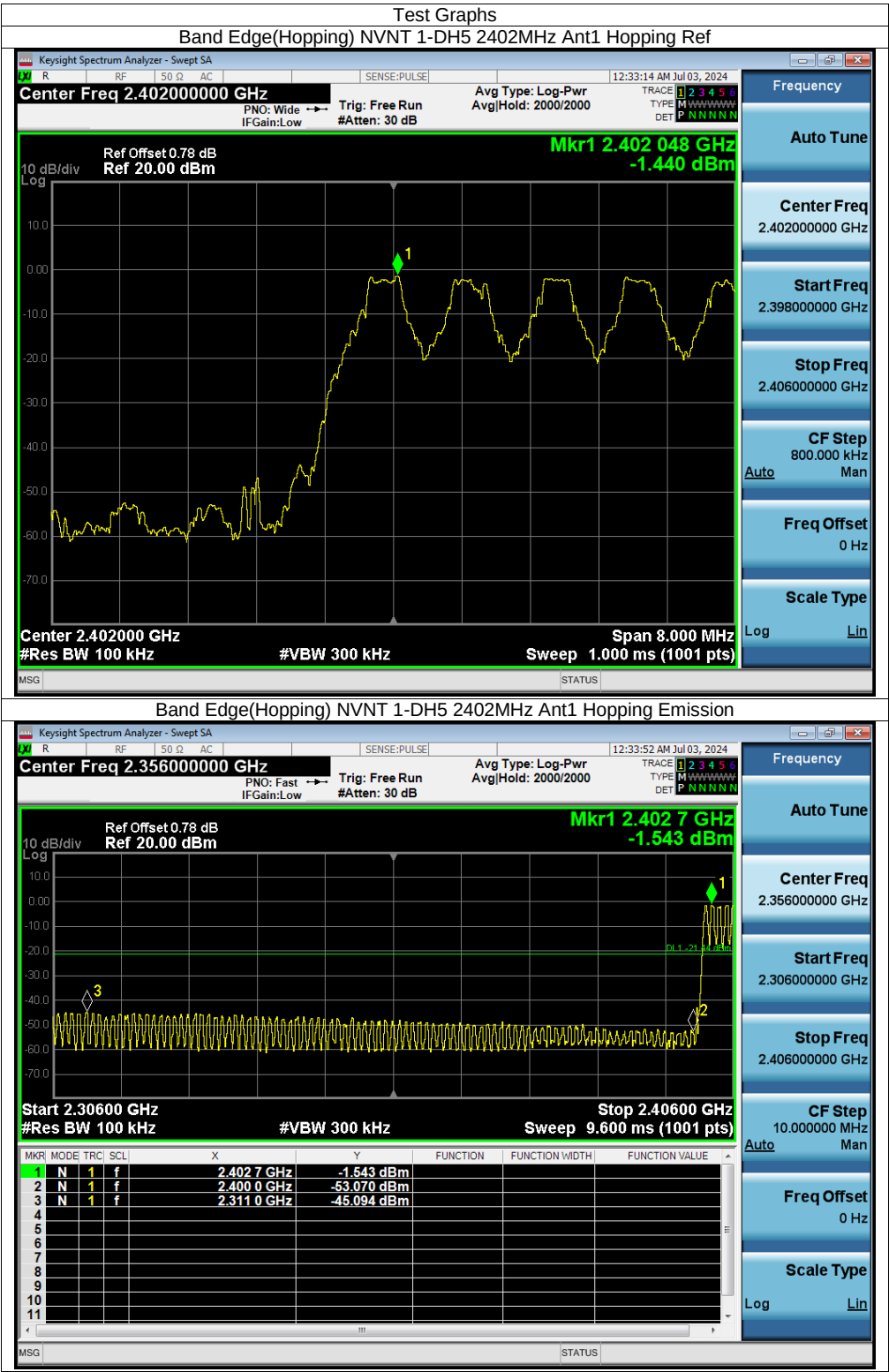






Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-43.65	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-43.49	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-42.86	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-43.63	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-42.7	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-43.62	-20	Pass



Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.356000000 GHz

PNO: Fast

IFGain:Low

Trig: Free Run

#Atten: 30 dB

Avg Type: Log-Pwr

AvgHold: 2000/2000

12:33:52 AM Jul 03, 2024

TRACE 1 2 3 4 5 6

TYPE M W W W W W W W

DET P N N N N N

10 dB/div

Log

Ref Offset 0.78 dB

Ref 20.00 dBm

Mkr1 2.402 7 GHz

-1.543 dBm

1

2

3

Start 2.30600 GHz

#Res BW 100 kHz

#VBW 300 kHz

Stop 2.40600 GHz

Sweep 9.600 ms (1001 pts)

Frequency

Auto Tune

Center Freq

2.356000000 GHz

Start Freq

2.306000000 GHz

Stop Freq

2.406000000 GHz

CF Step

10.000000 MHz

Auto

Man

Freq Offset

0 Hz

Scale Type

Log

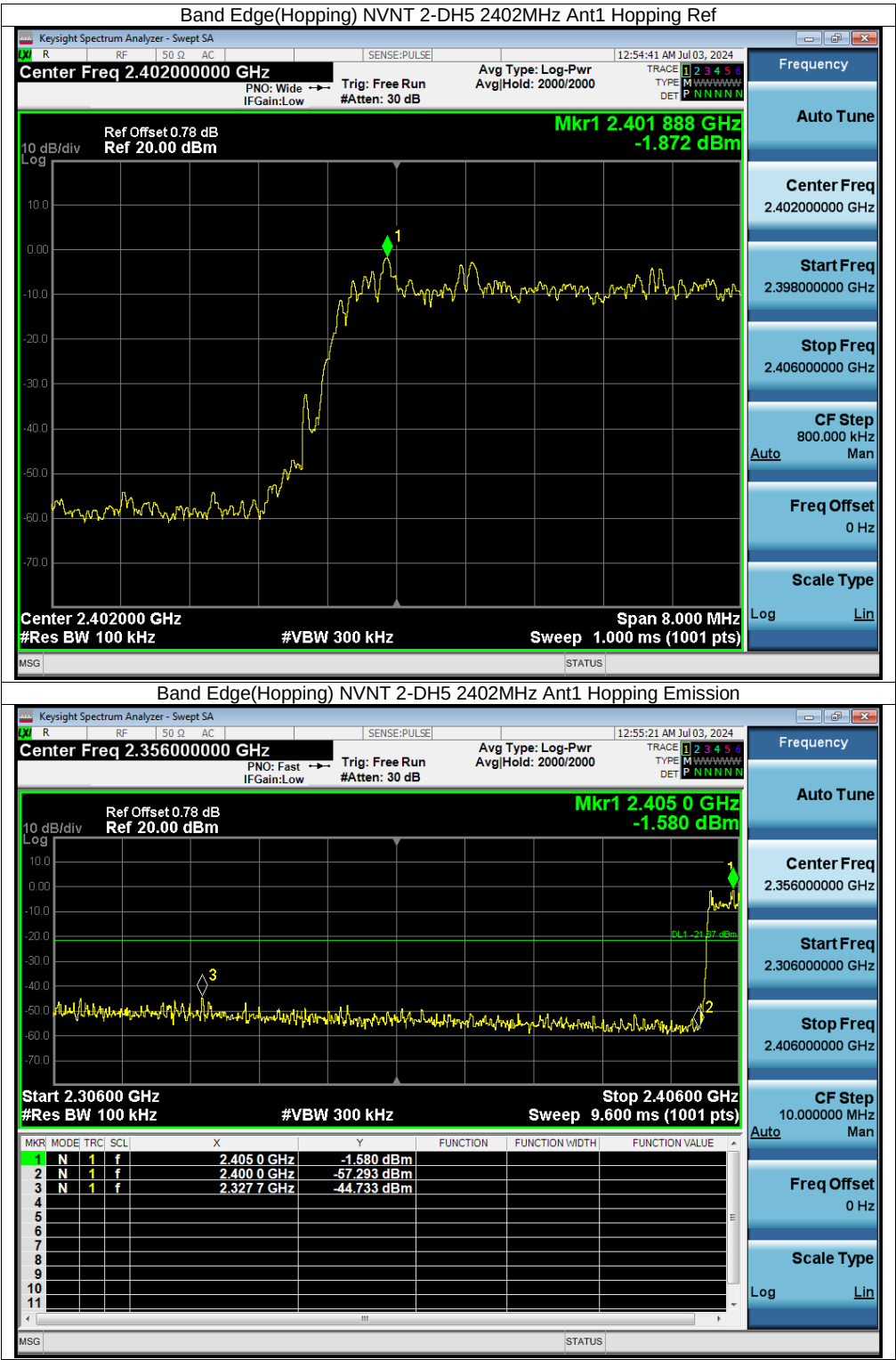
Lin

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.402 7 GHz	-1.543 dBm			
2	N	1	f	2.400 0 GHz	-53.070 dBm			
3	N	1	f	2.311 0 GHz	-45.094 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

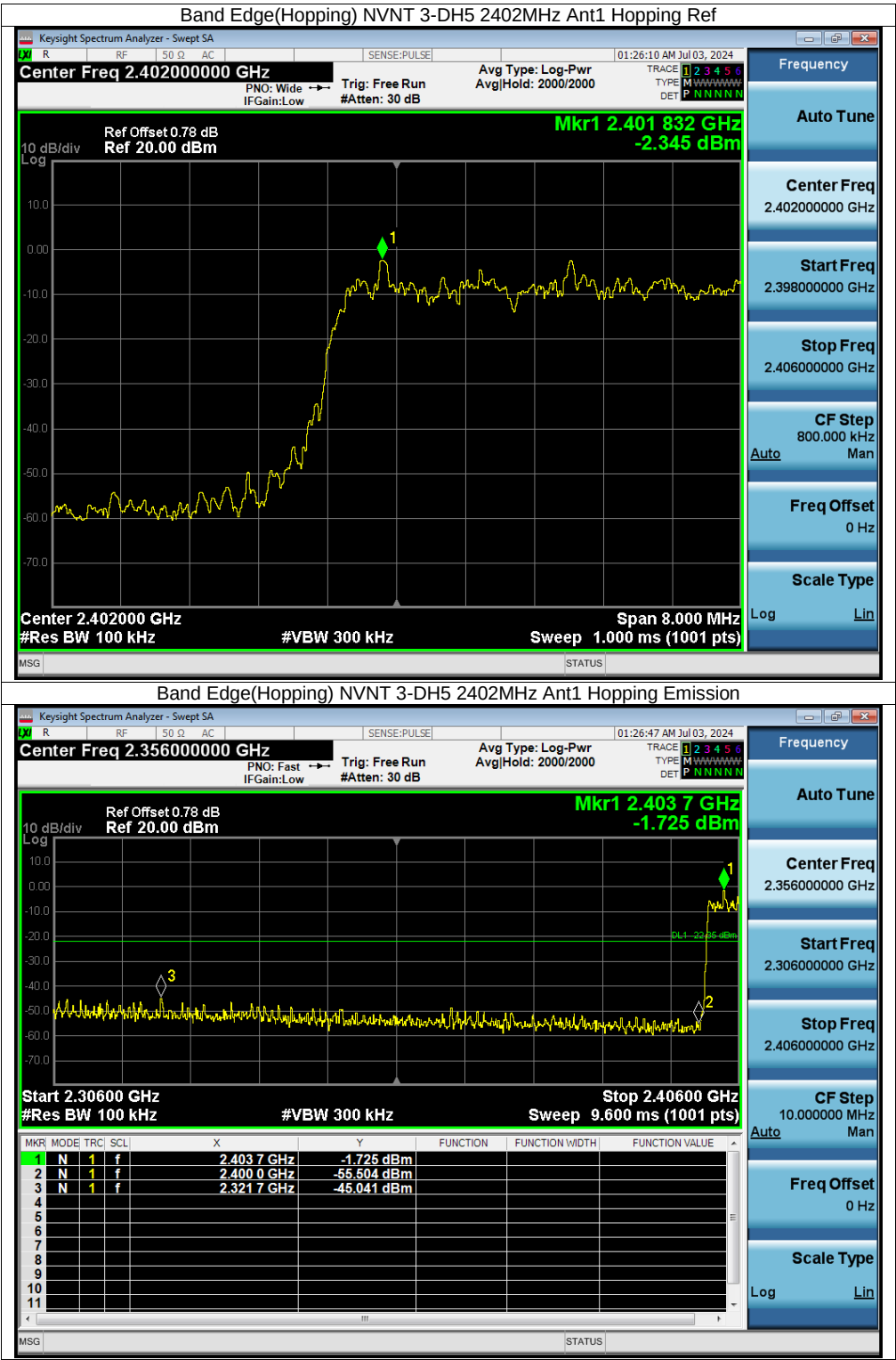
MSG

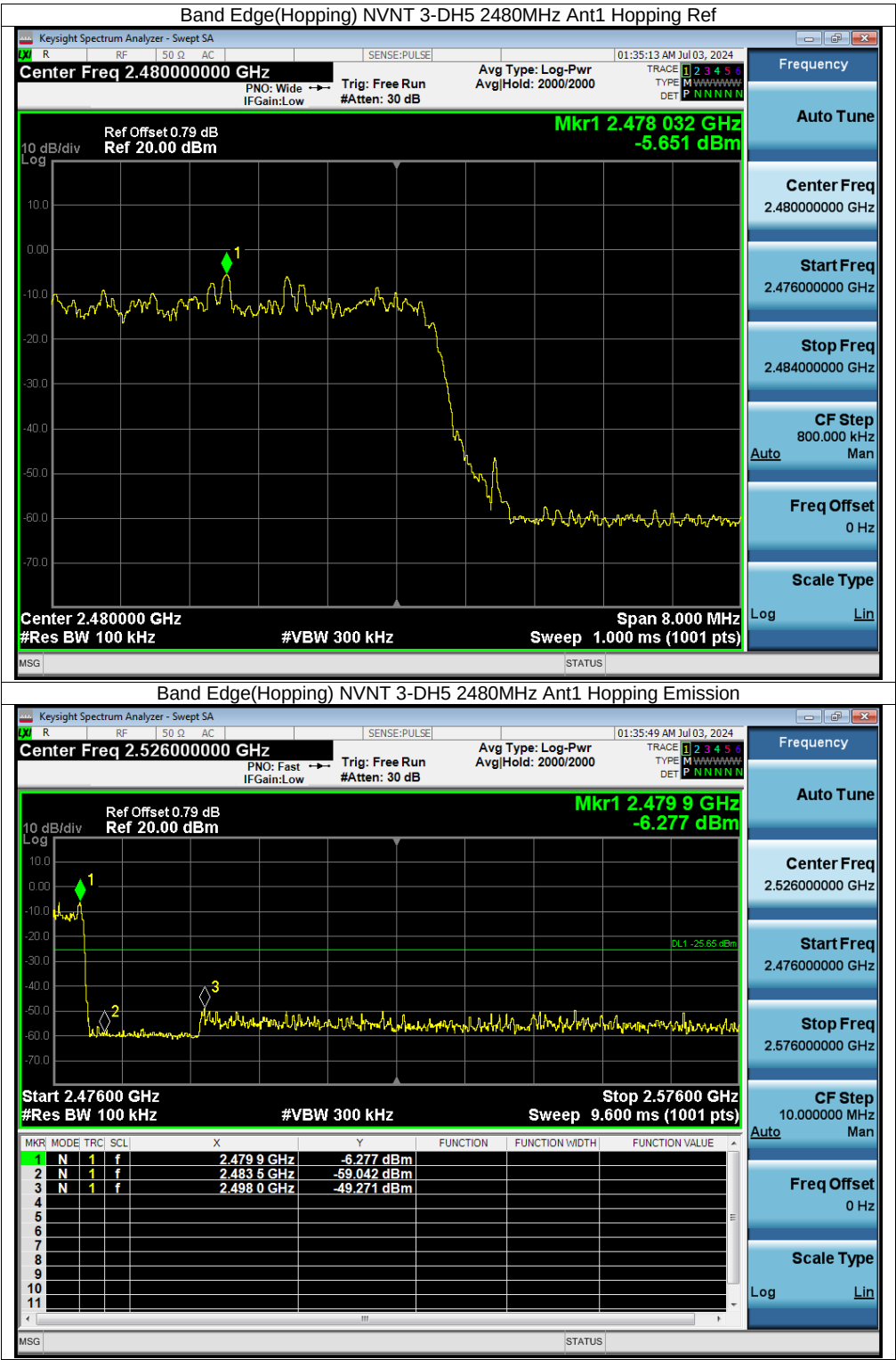
STATUS





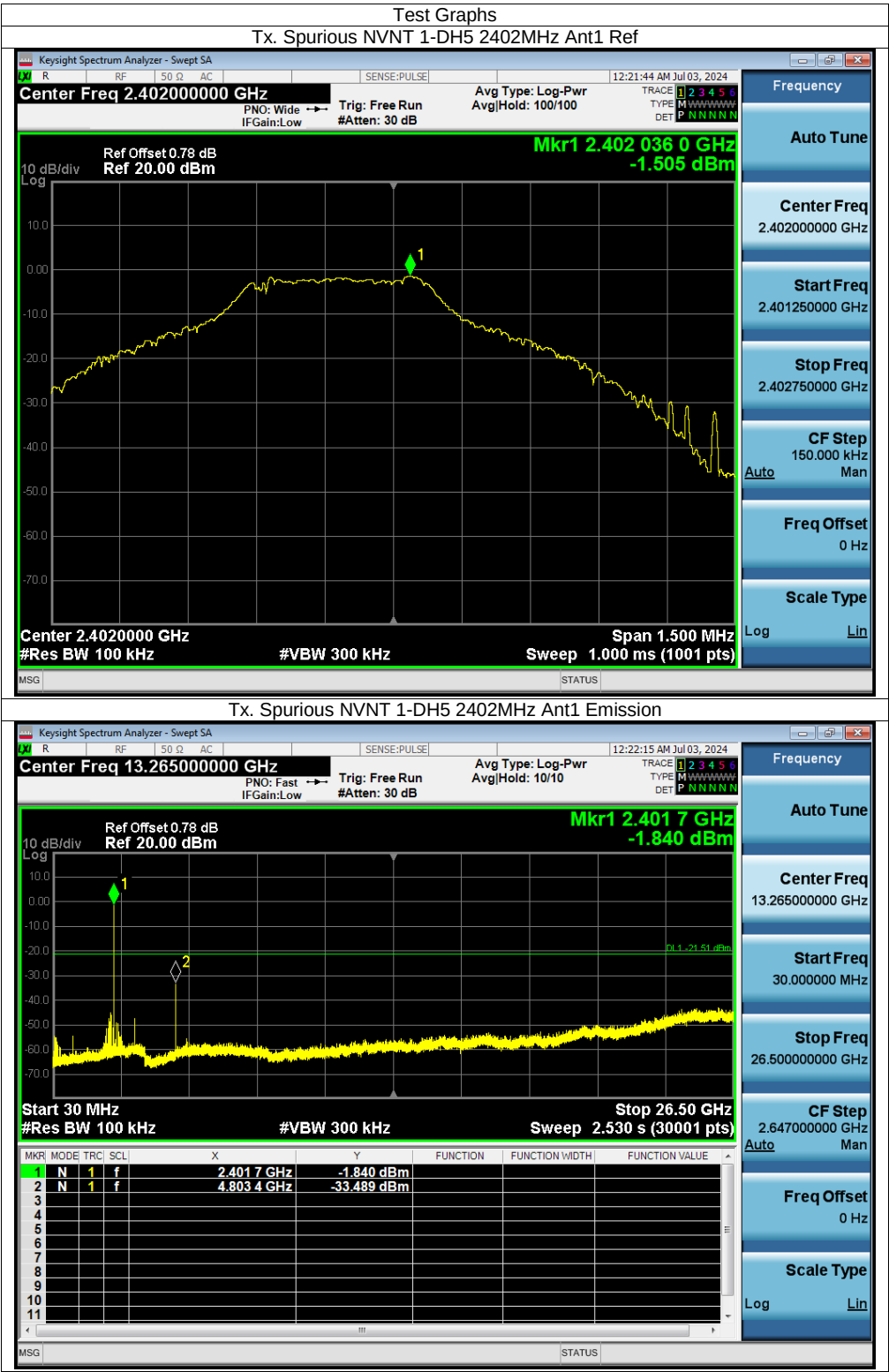


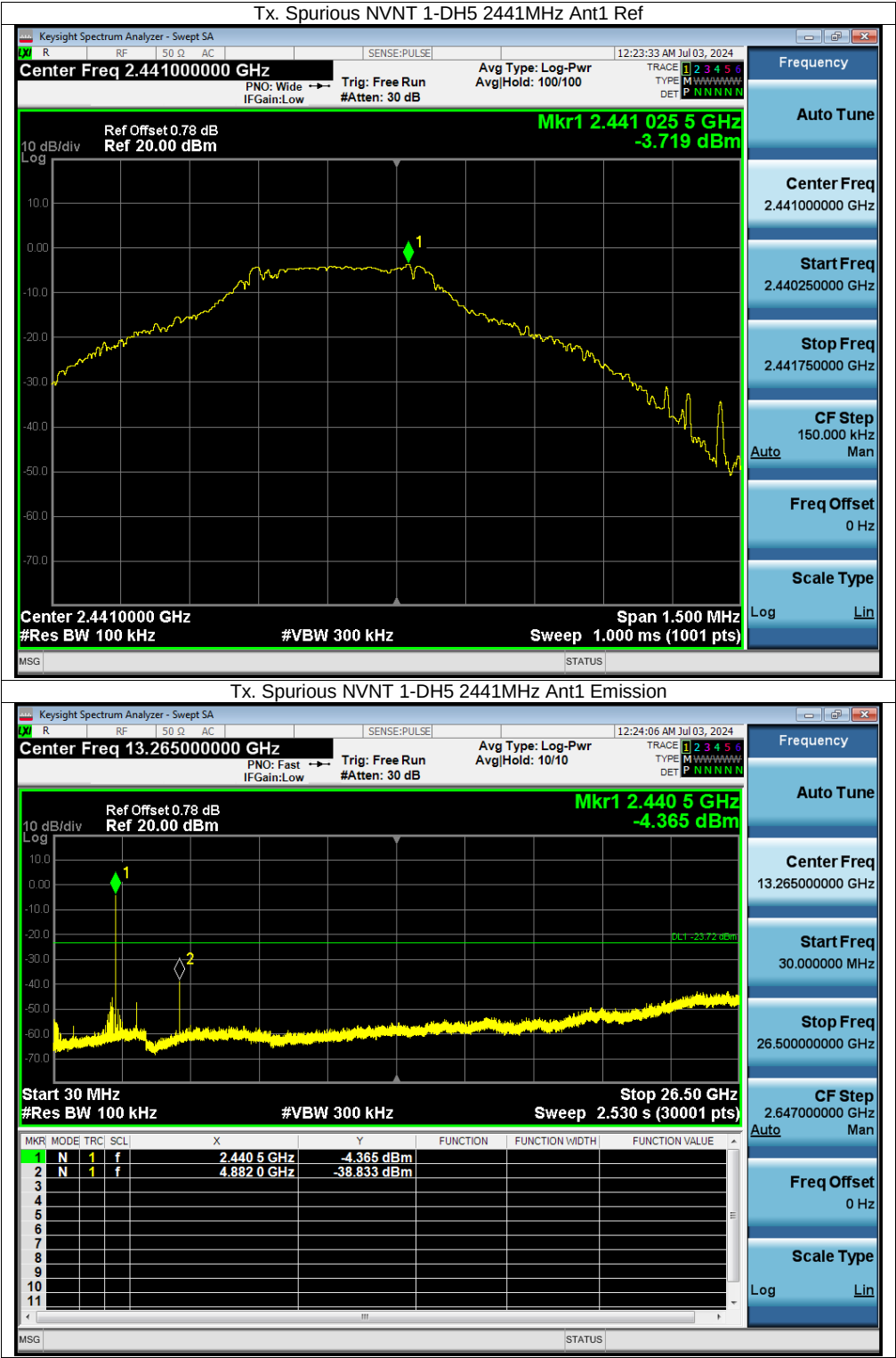


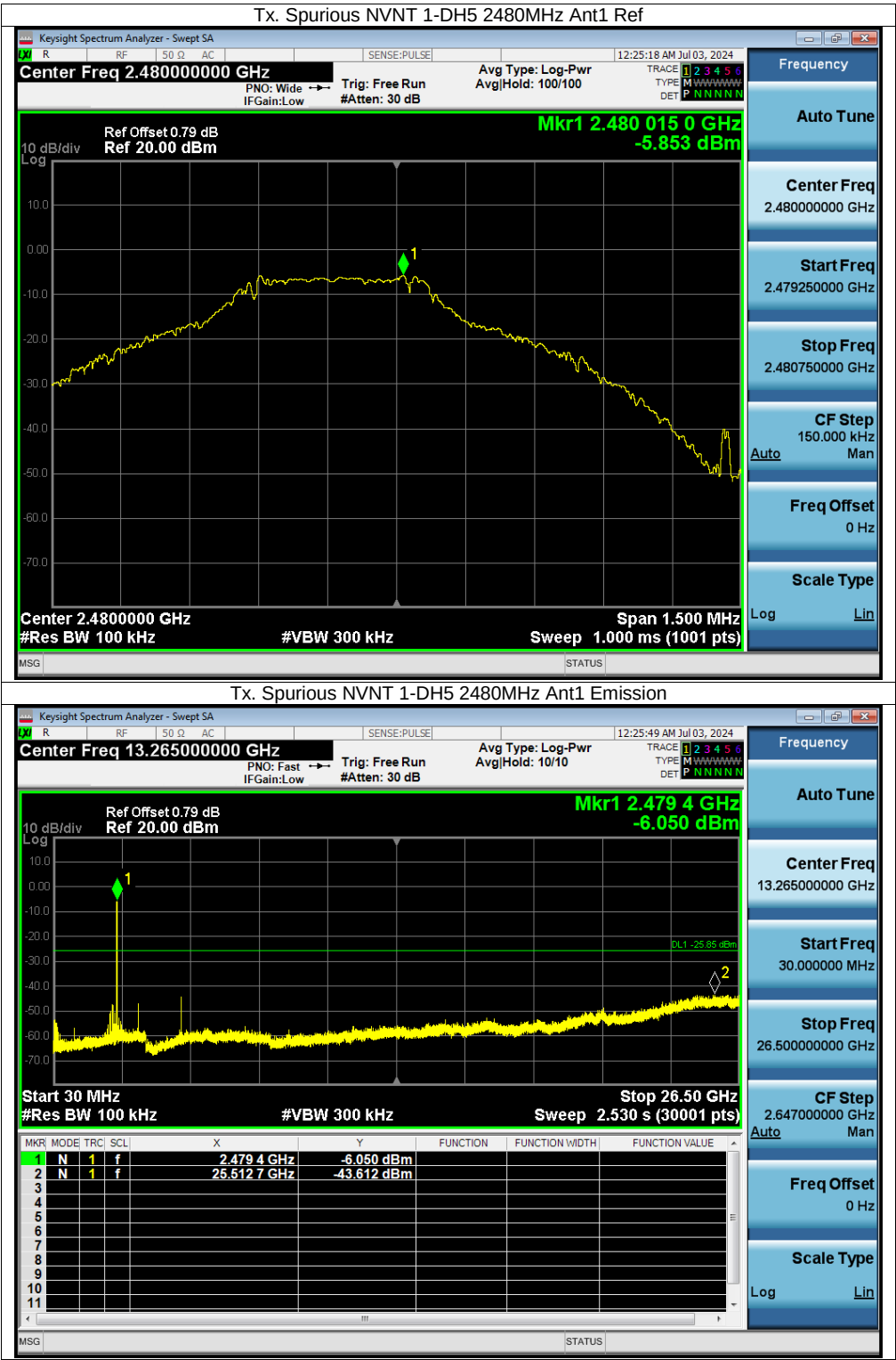


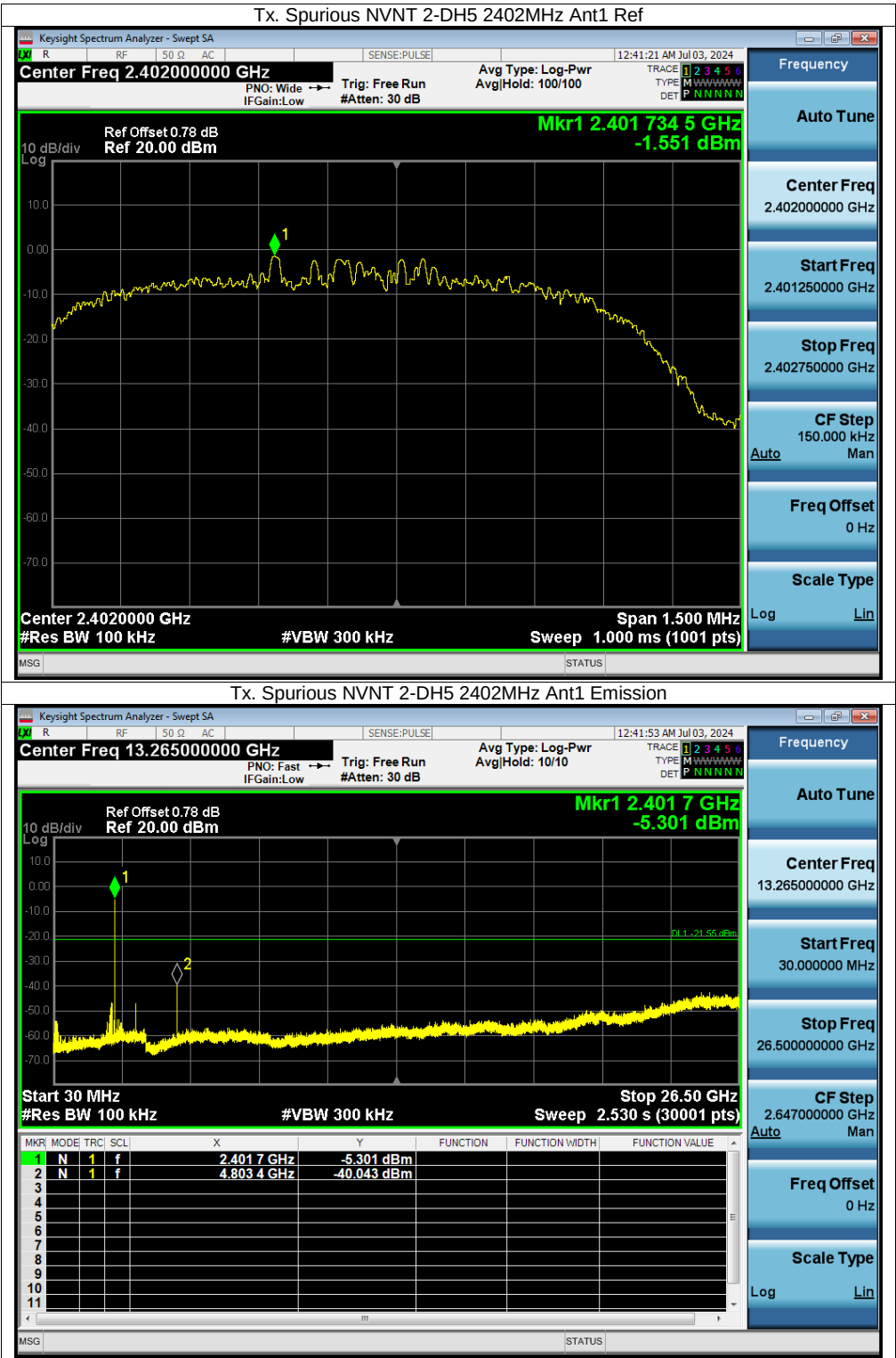
Conducted RF Spurious Emission

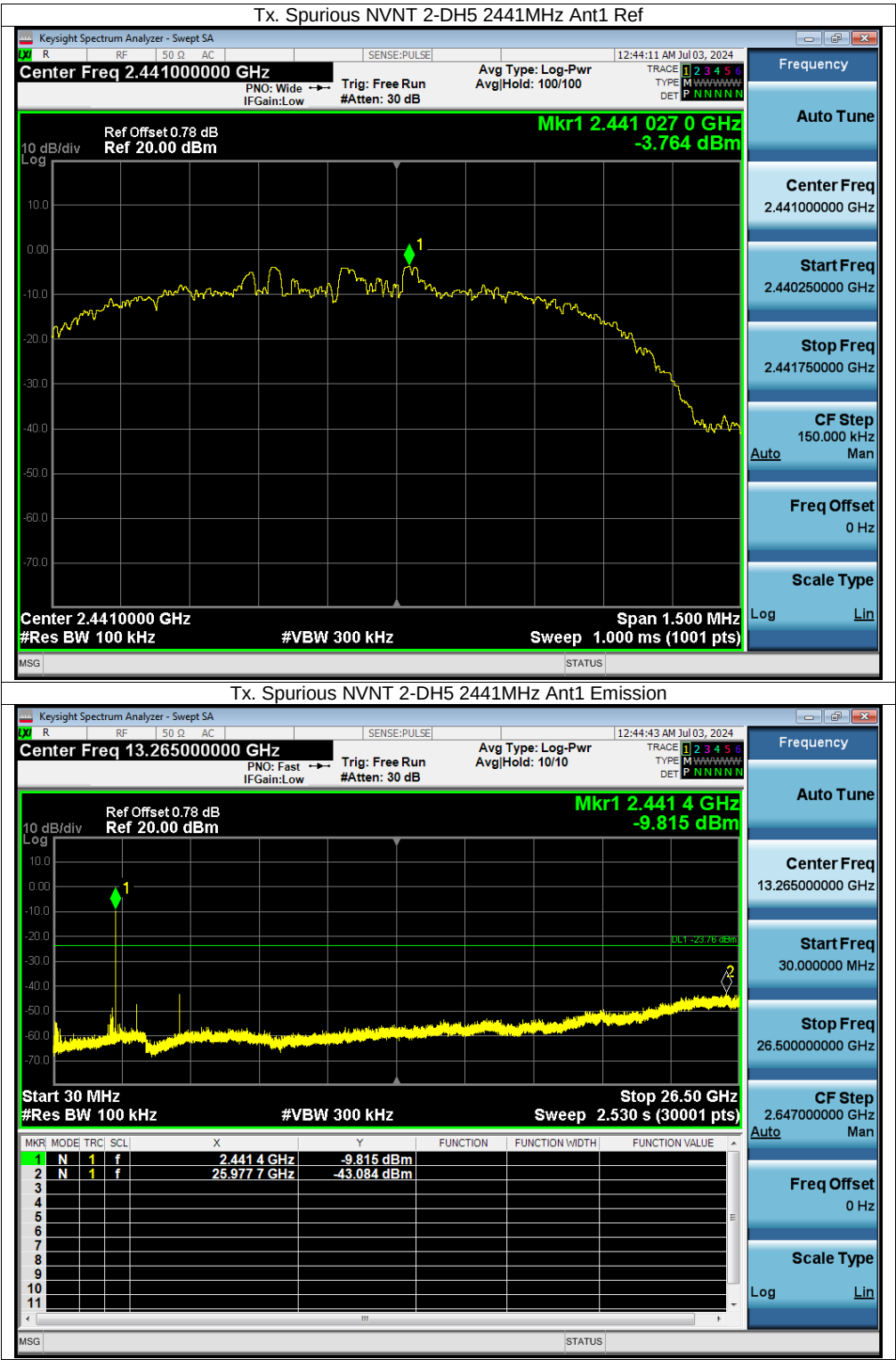
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-31.99	-20	Pass
NVNT	1-DH5	2441	Ant1	-35.11	-20	Pass
NVNT	1-DH5	2480	Ant1	-37.76	-20	Pass
NVNT	2-DH5	2402	Ant1	-38.49	-20	Pass
NVNT	2-DH5	2441	Ant1	-39.32	-20	Pass
NVNT	2-DH5	2480	Ant1	-37.68	-20	Pass
NVNT	3-DH5	2402	Ant1	-39.08	-20	Pass
NVNT	3-DH5	2441	Ant1	-38.98	-20	Pass
NVNT	3-DH5	2480	Ant1	-37.42	-20	Pass

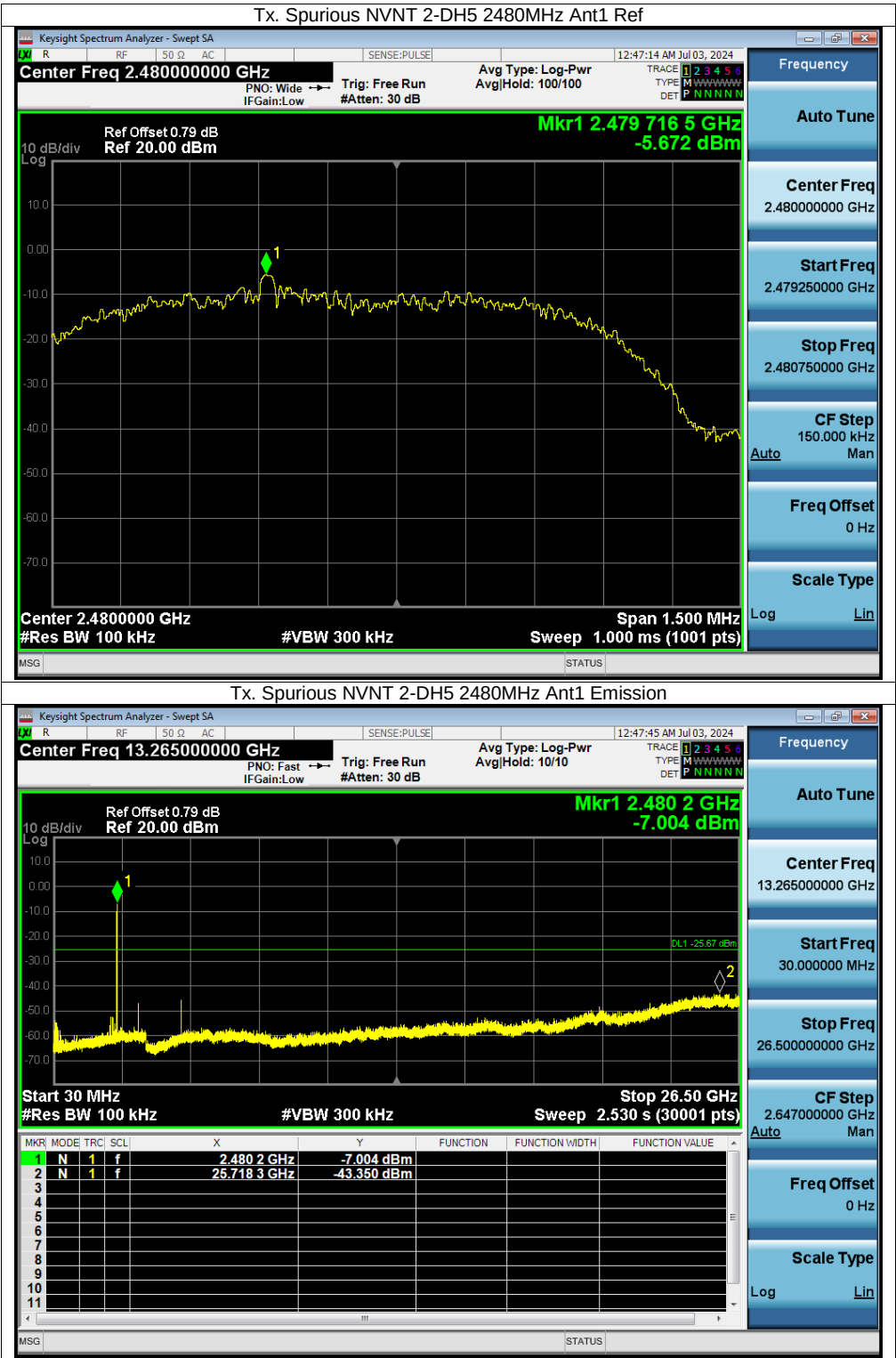




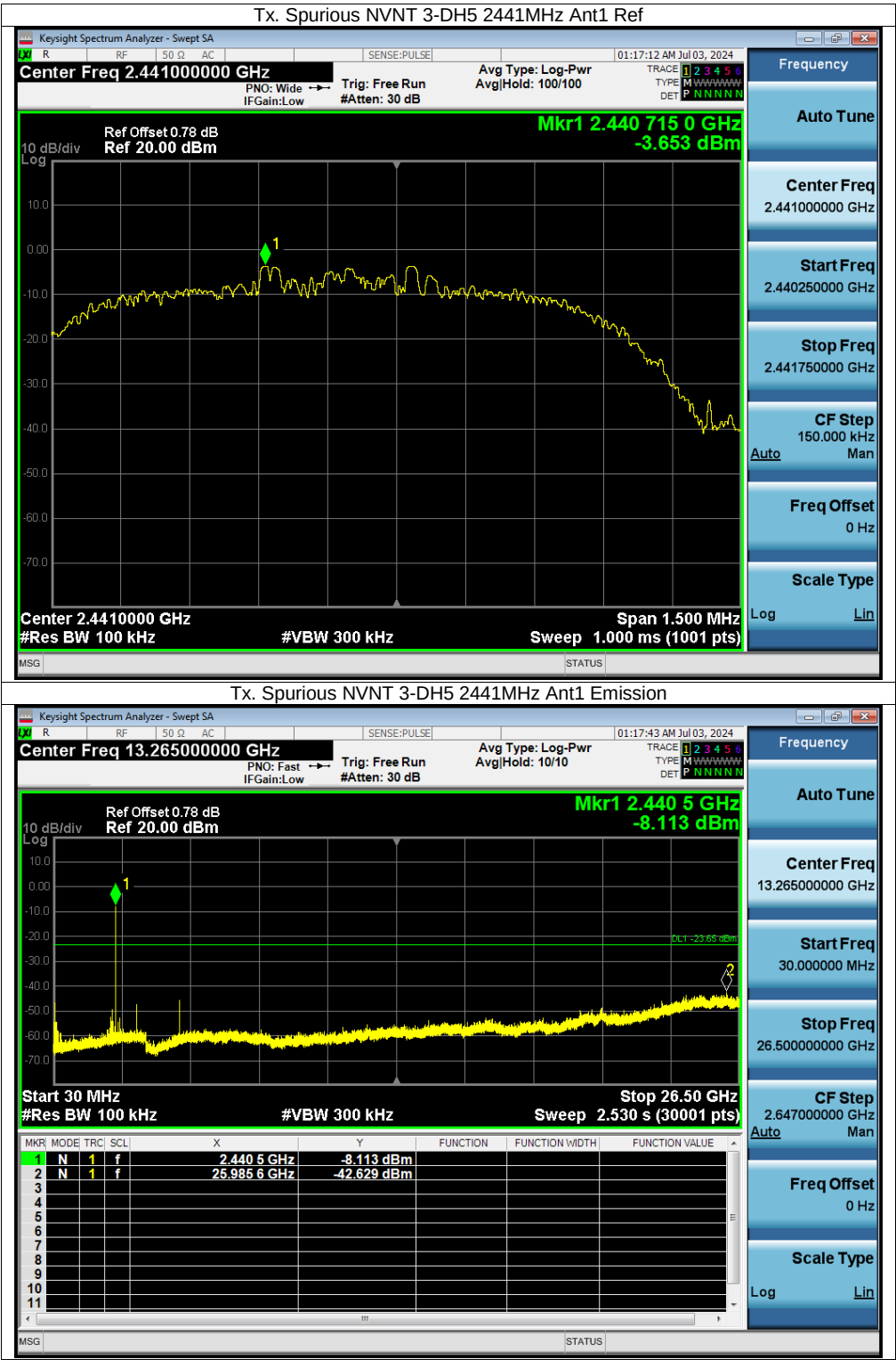


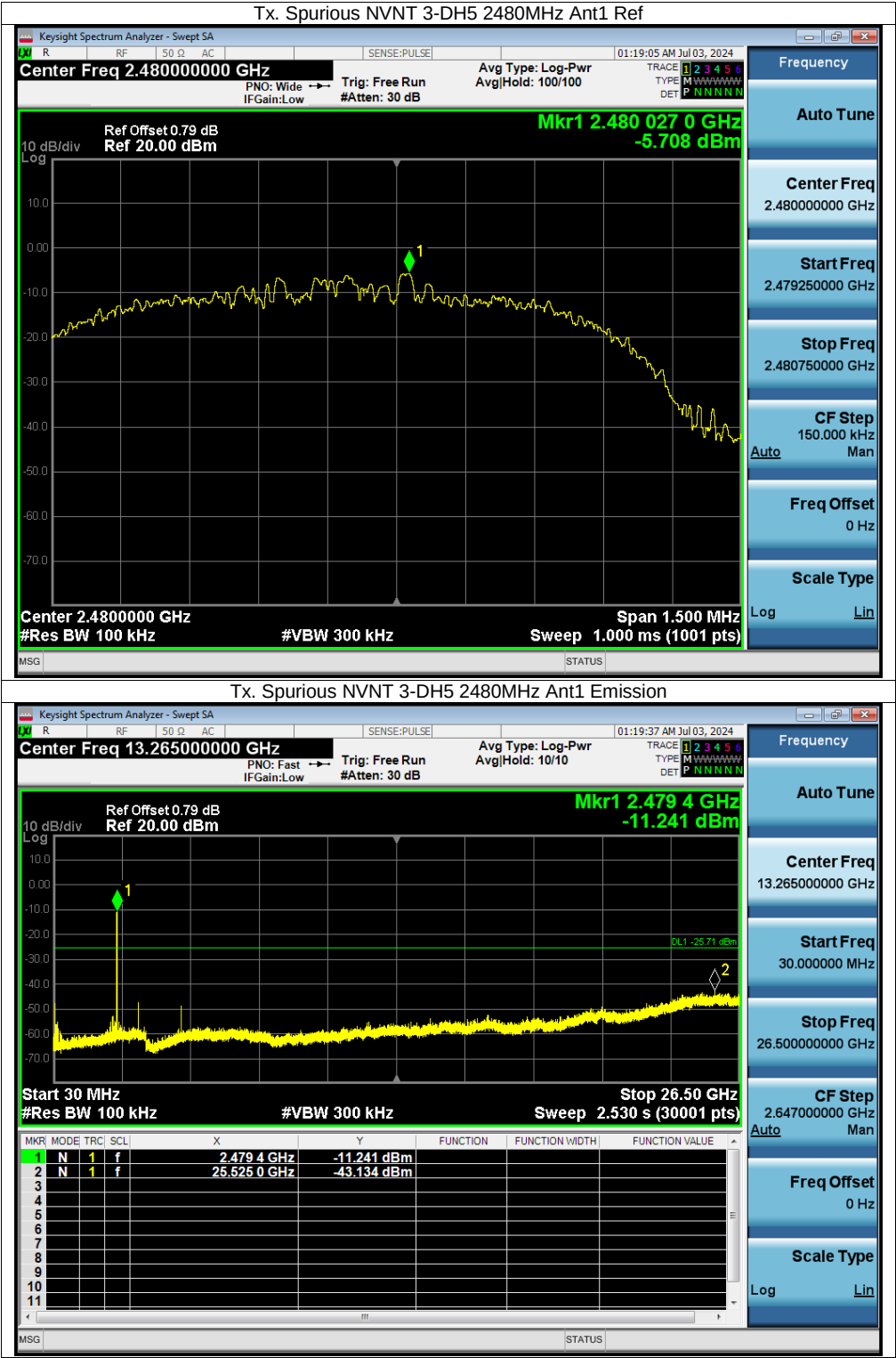










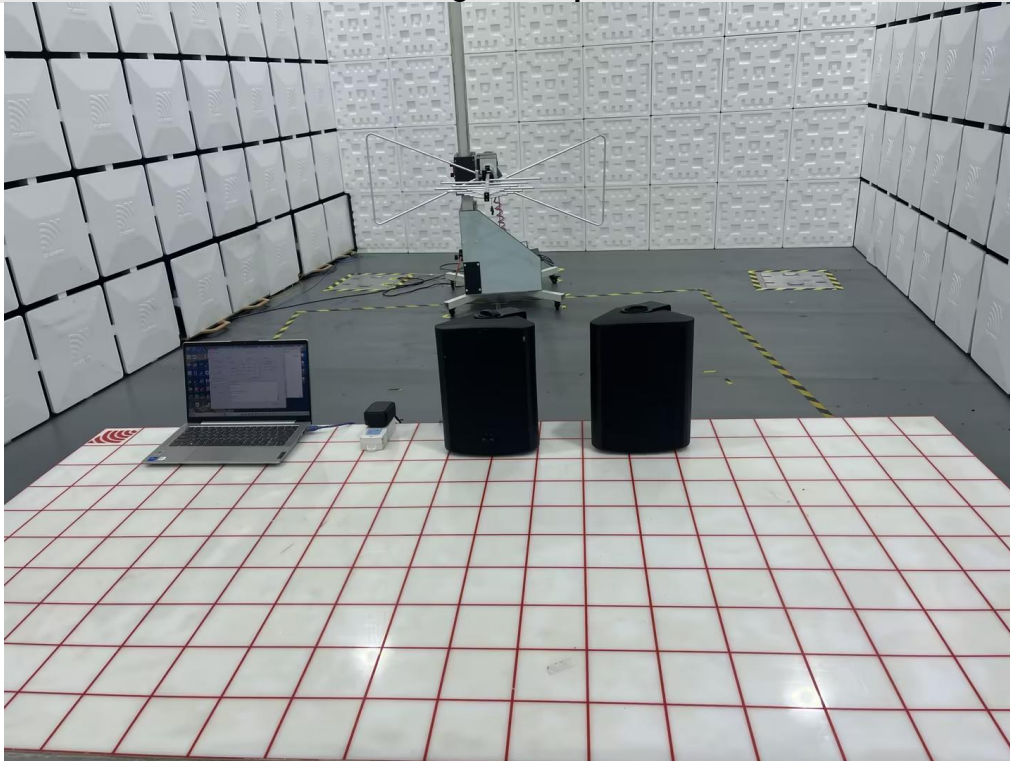


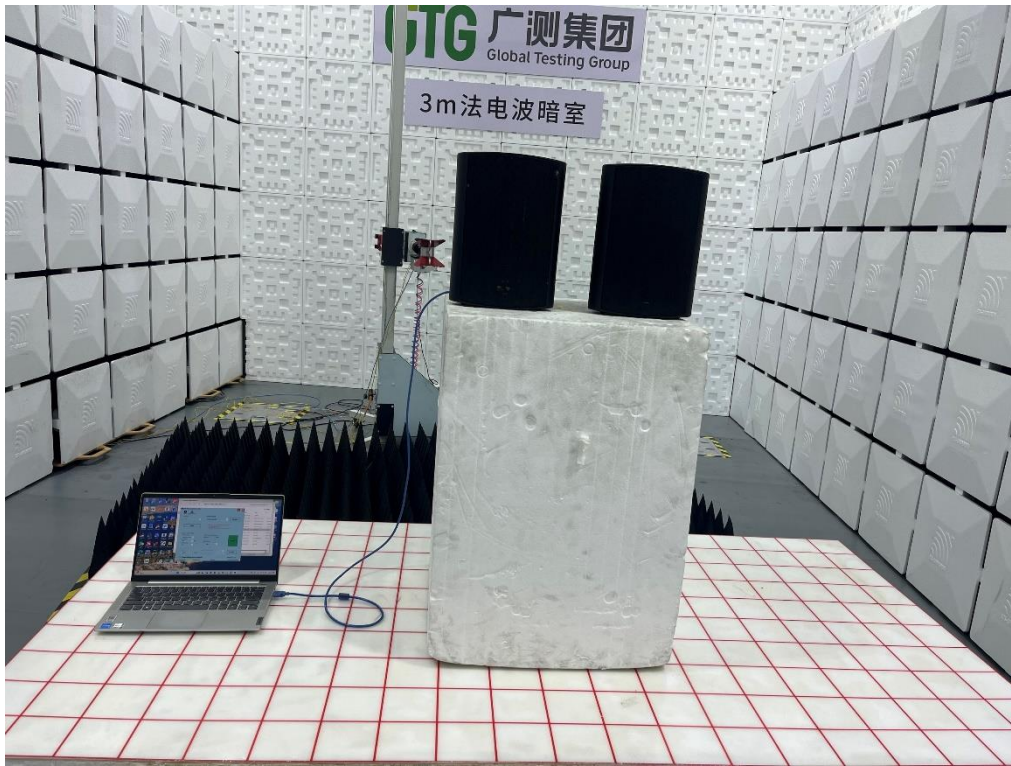
APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION

AC Power Line Conducted Emission



Radiated Band edge and Spurious Emission





END OF REPORT