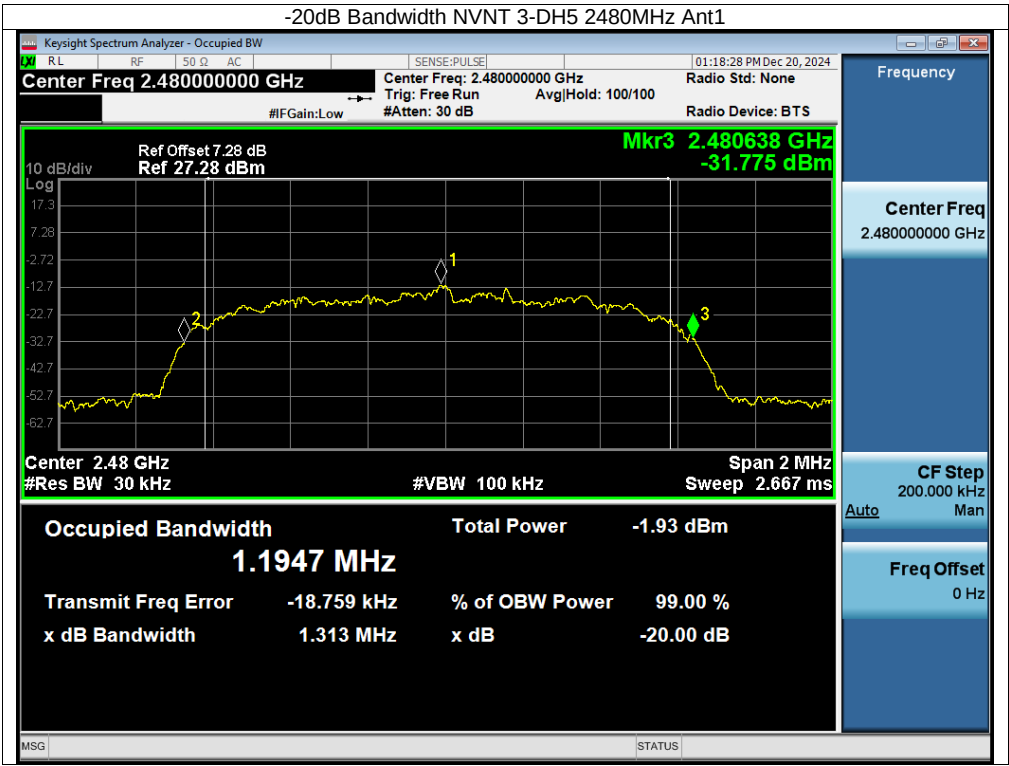
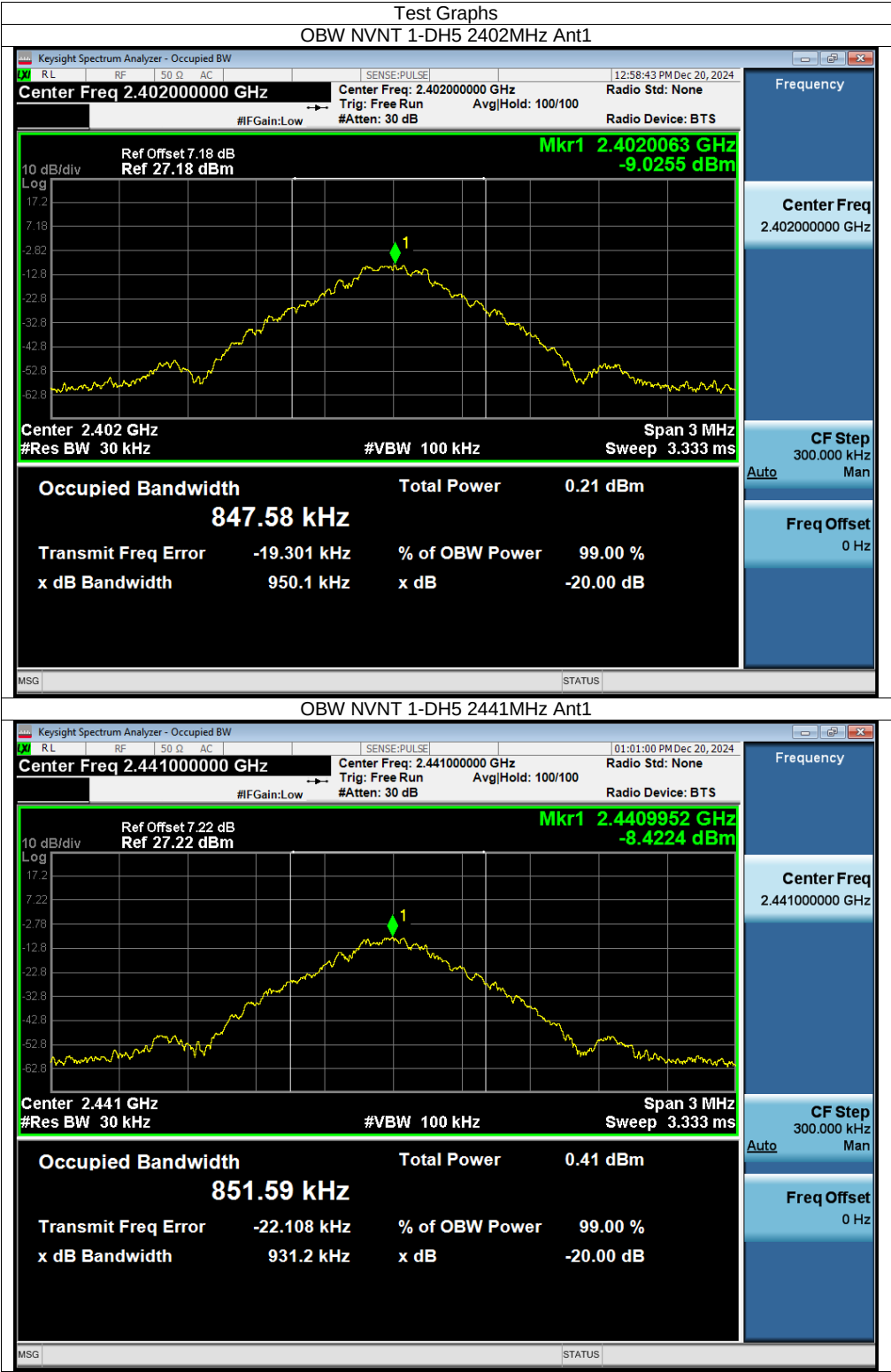




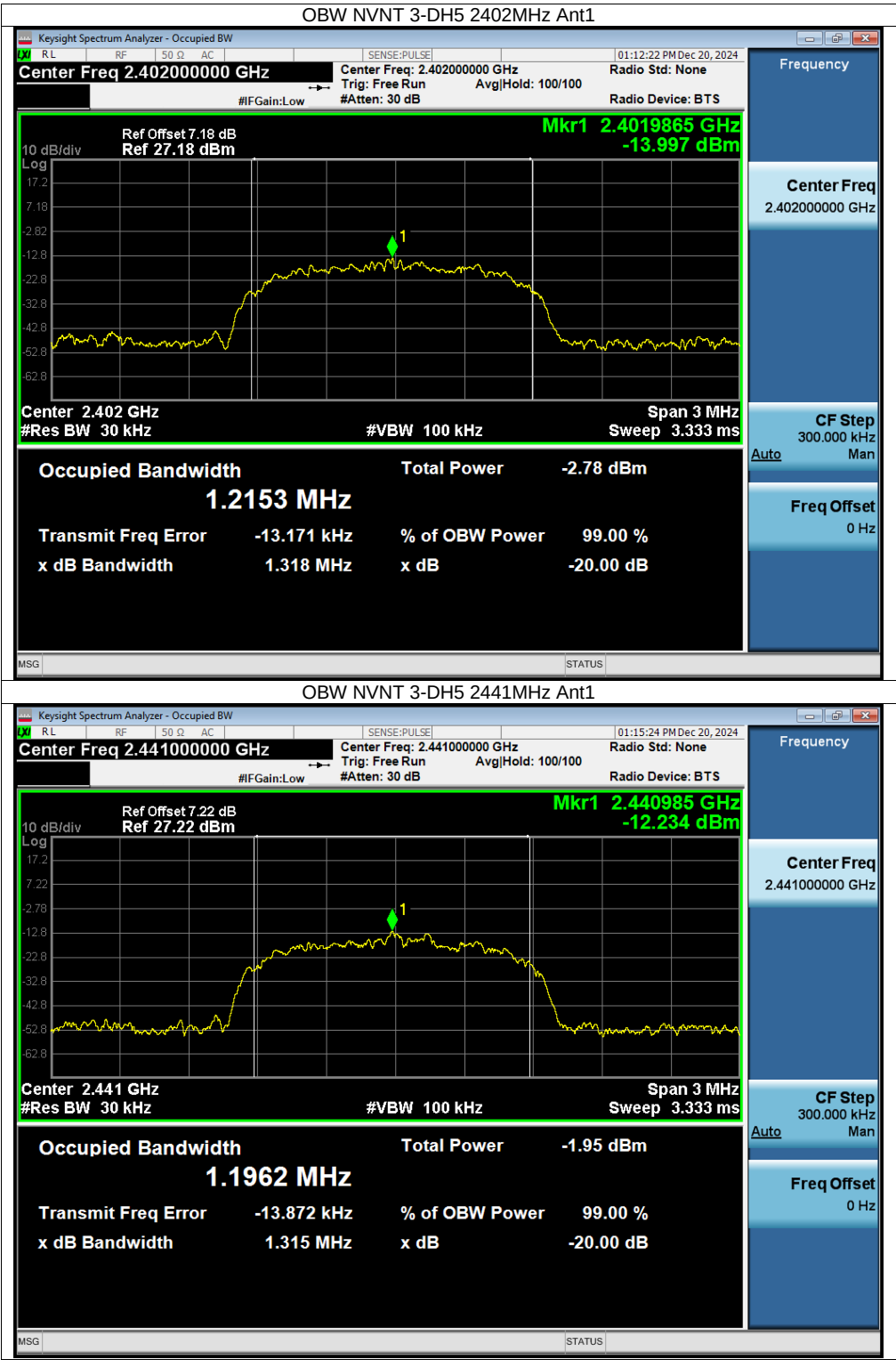
Occupied Channel Bandwidth

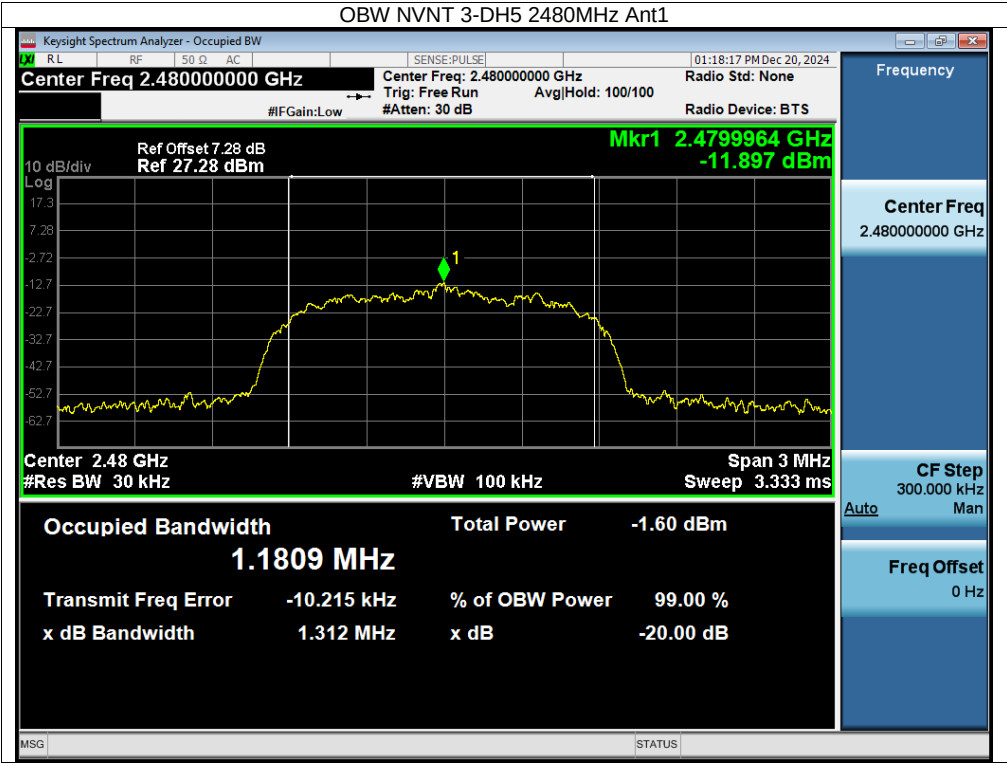
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.848
NVNT	1-DH5	2441	Ant1	0.852
NVNT	1-DH5	2480	Ant1	0.85
NVNT	2-DH5	2402	Ant1	1.211
NVNT	2-DH5	2441	Ant1	1.193
NVNT	2-DH5	2480	Ant1	1.189
NVNT	3-DH5	2402	Ant1	1.215
NVNT	3-DH5	2441	Ant1	1.196
NVNT	3-DH5	2480	Ant1	1.181







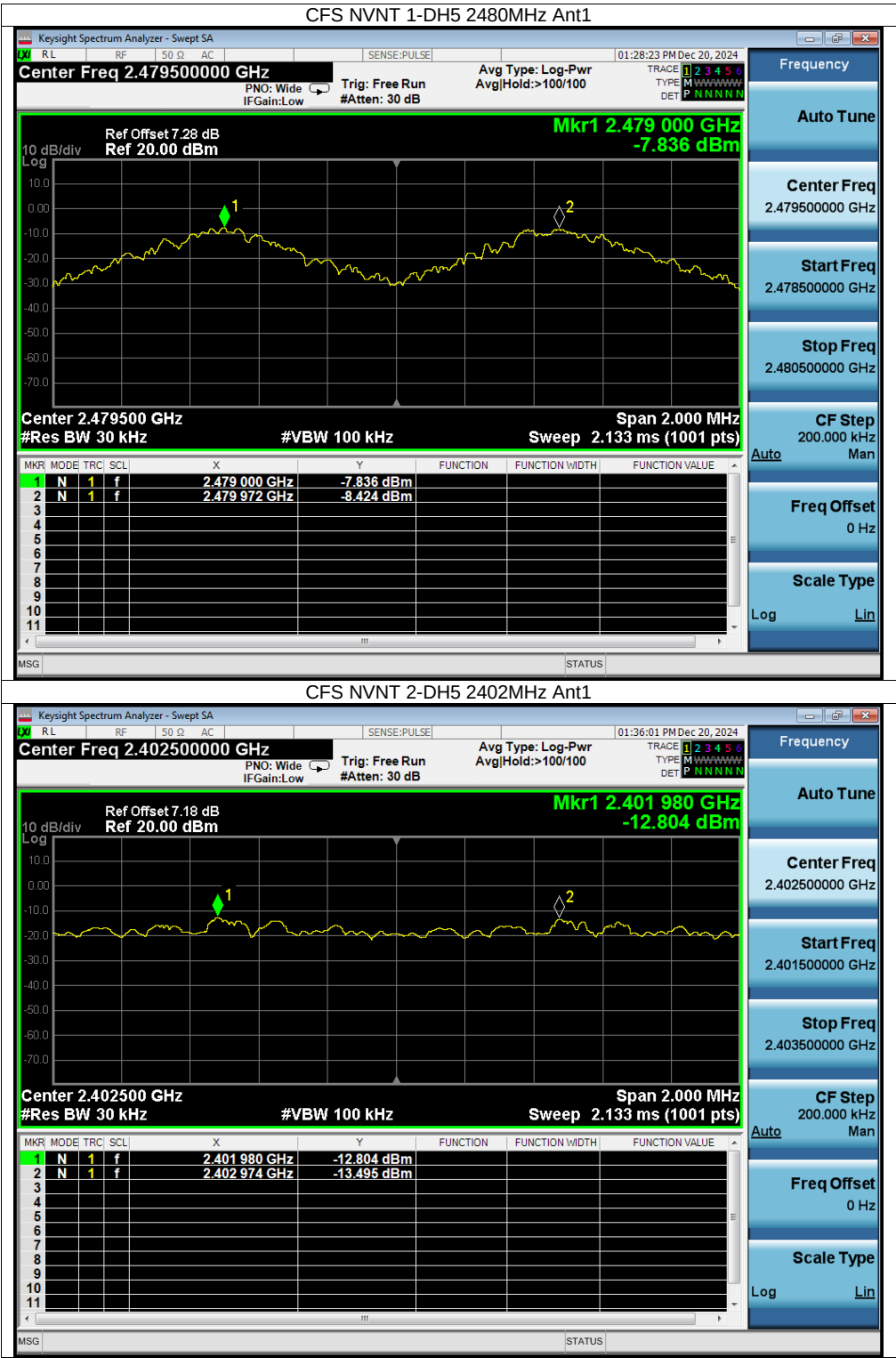


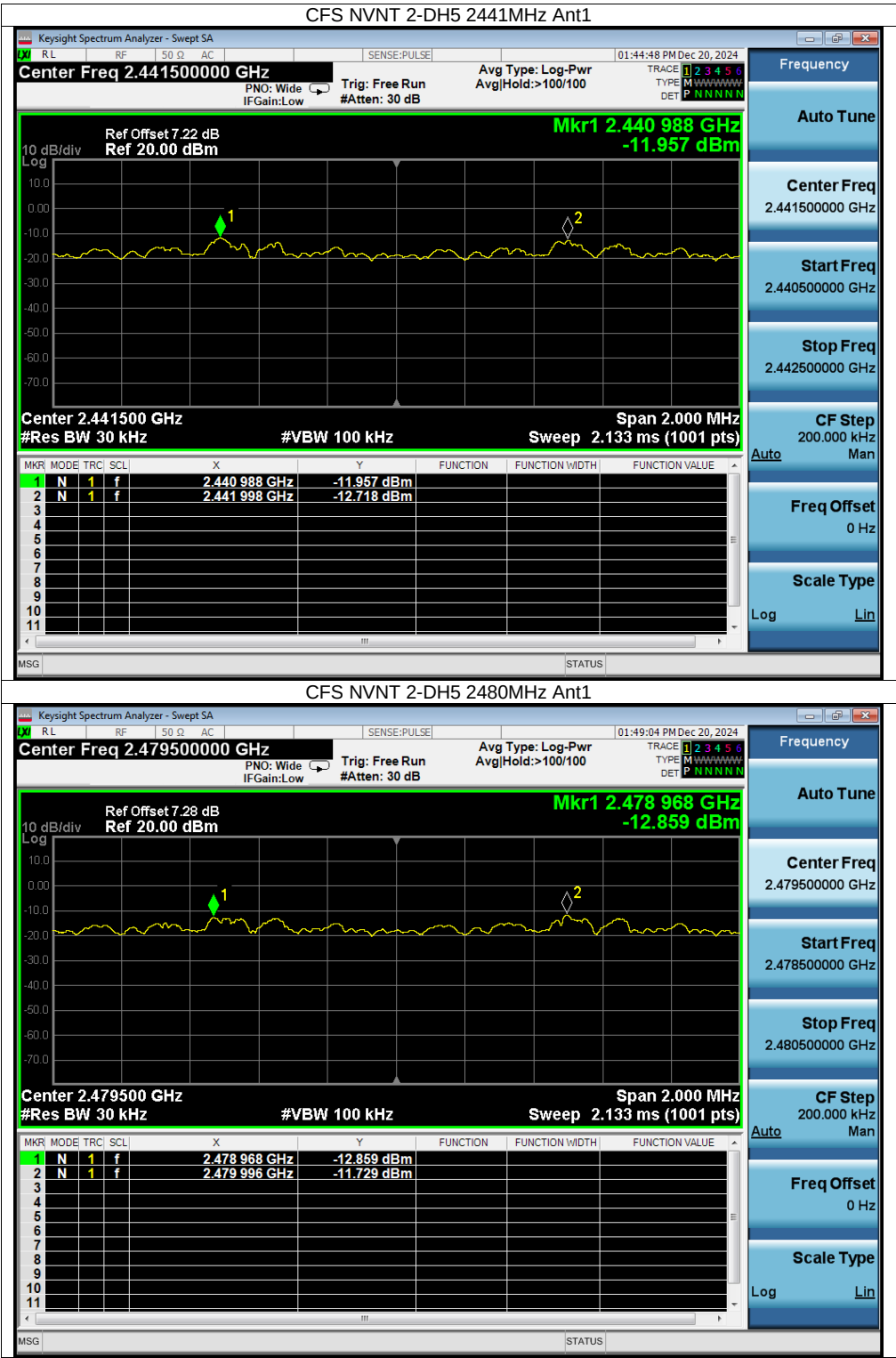


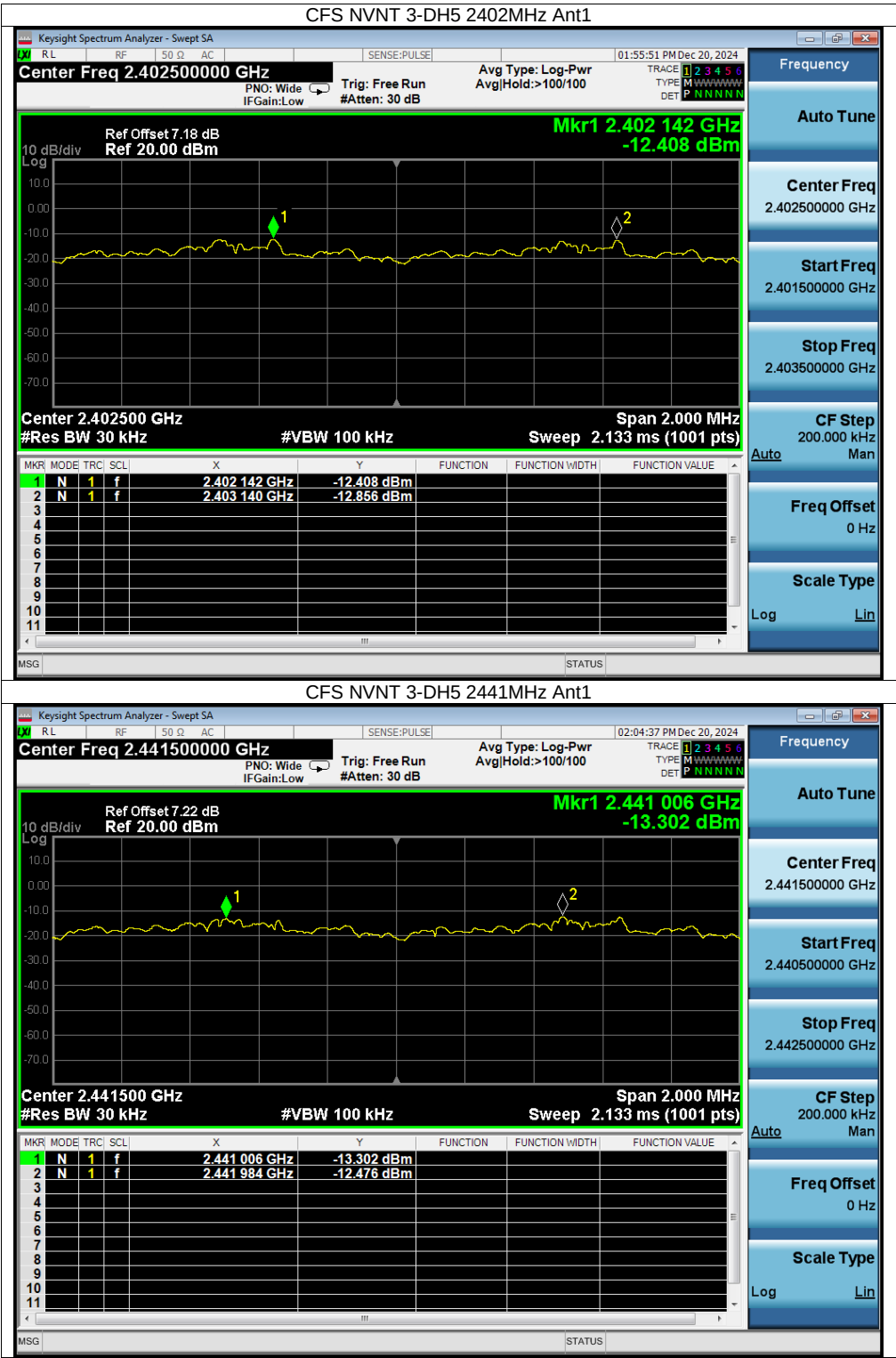
Carrier Frequencies Separation

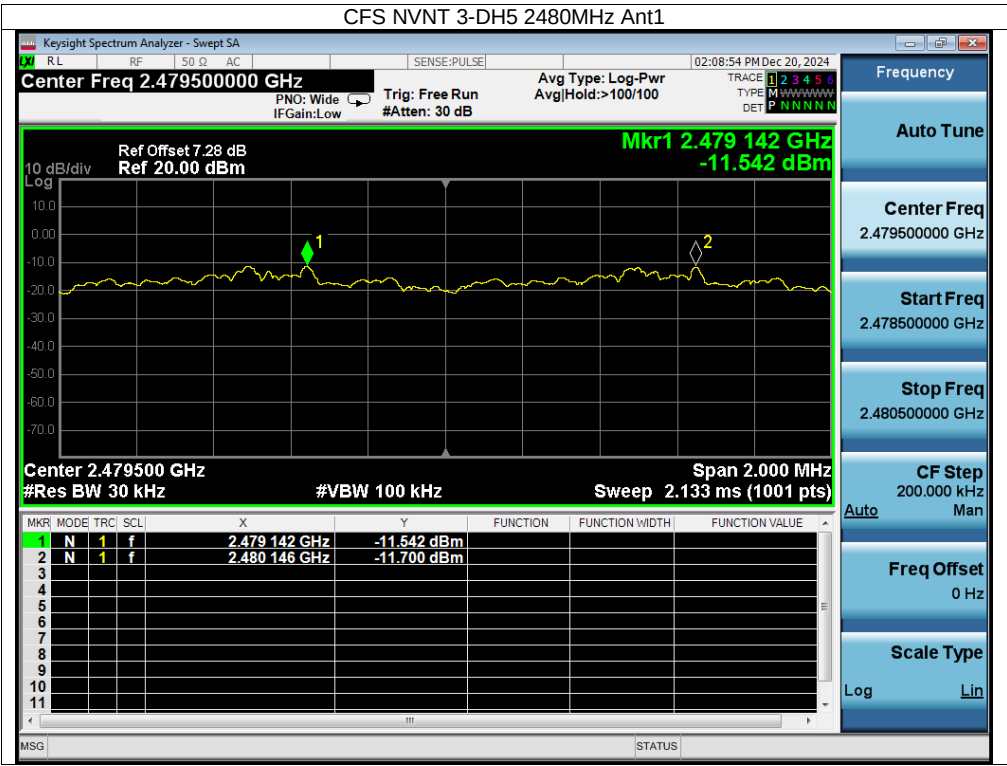
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.996	2402.968	0.972	0.627	Pass
NVNT	1-DH5	Ant1	2440.952	2441.956	1.004	0.633	Pass
NVNT	1-DH5	Ant1	2479	2479.972	0.972	0.633	Pass
NVNT	2-DH5	Ant1	2401.98	2402.974	0.994	0.887	Pass
NVNT	2-DH5	Ant1	2440.988	2441.998	1.01	0.887	Pass
NVNT	2-DH5	Ant1	2478.968	2479.996	1.028	0.88	Pass
NVNT	3-DH5	Ant1	2402.142	2403.14	0.998	0.867	Pass
NVNT	3-DH5	Ant1	2441.006	2441.984	0.978	0.873	Pass
NVNT	3-DH5	Ant1	2479.142	2480.146	1.004	0.873	Pass





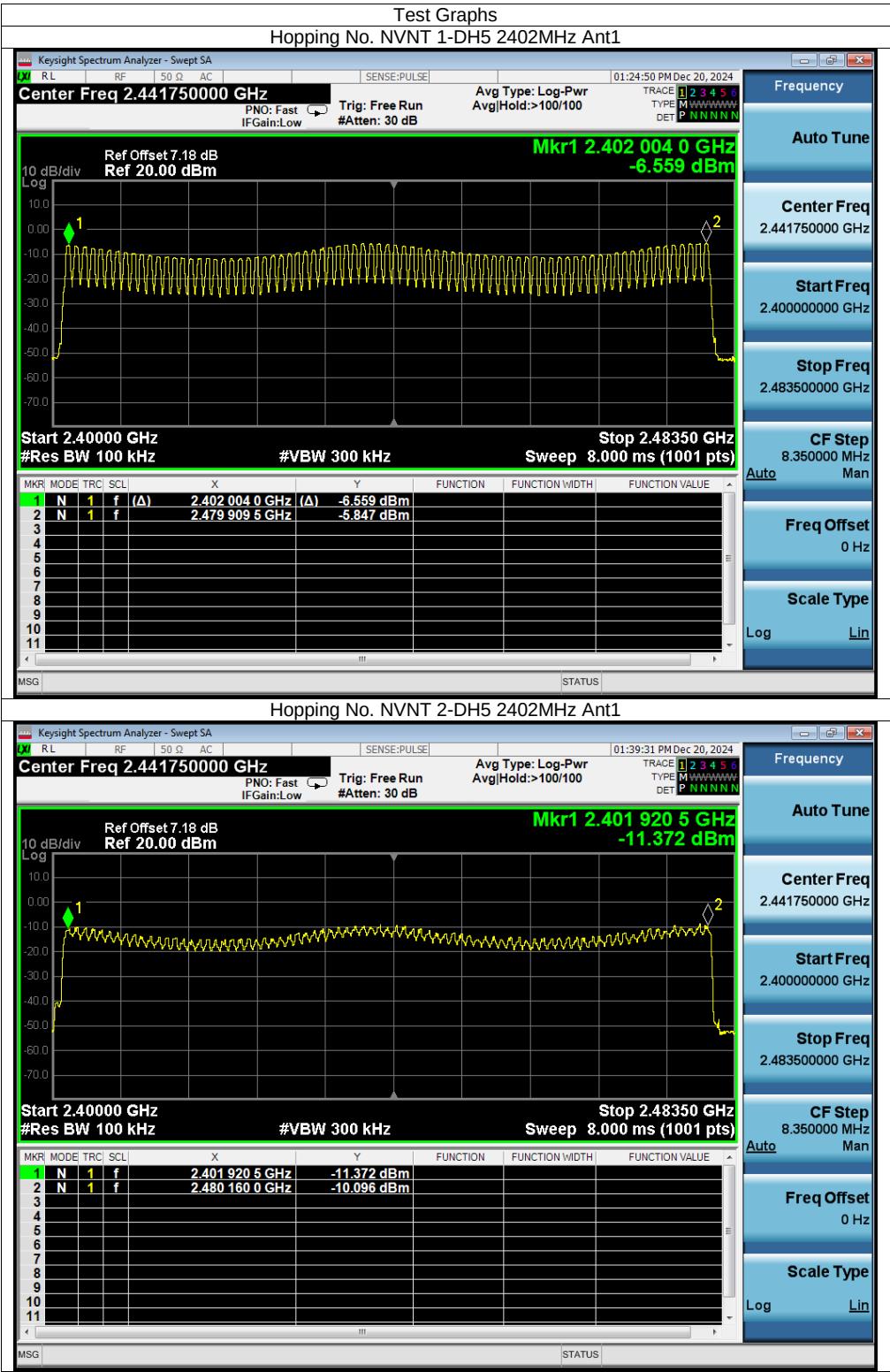






Number of Hopping Channel

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



Hopping No. NVNT 2-DH5 2402MHz Ant1

Keysight Spectrum Analyzer - Swept SA

RLRF50ΩACSENSE:PULSE

Center Freq 2.441750000 GHz

PNO: FastIFGain:Low

Trig: Free Run#Atten: 30 dB

Avg Type: Log-PwrAveHld:>100/100

01:39:31 PM Dec 20, 2024

TRACE 1 2 3 4 5 6

TYPE M W W W W W W W

DET P N N N N N

Ref Offset 7.18 dB

Ref 20.00 dBm

Mkr1 2.401 920 5 GHz

-11.372 dBm

10 dB/div

Log

Start 2.40000 GHz

#Res BW 100 kHz

#VBW 300 kHz

Stop 2.48350 GHz

Sweep 8.000 ms (1001 pts)

MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.401 920 5 GHz	-11.372 dBm			
2	N	1	f	2.480 160 0 GHz	-10.096 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS

Frequency

Auto Tune

Center Freq2.441750000 GHz

Start Freq2.400000000 GHz

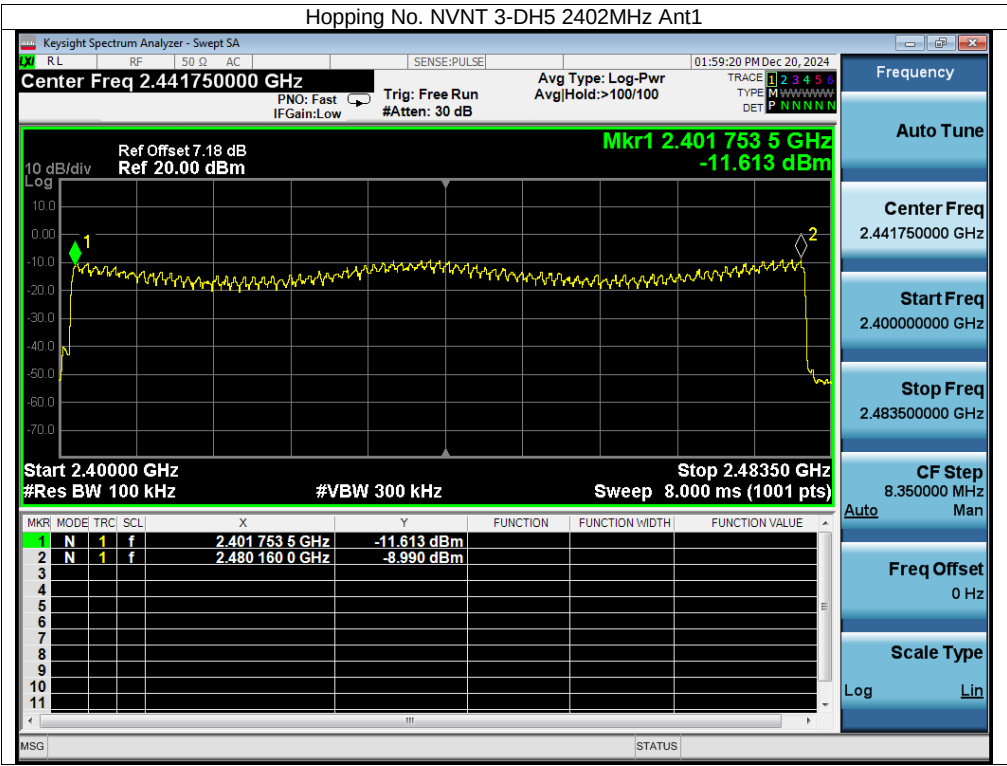
Stop Freq2.483500000 GHz

CF Step8.350000 MHz

AutoMan

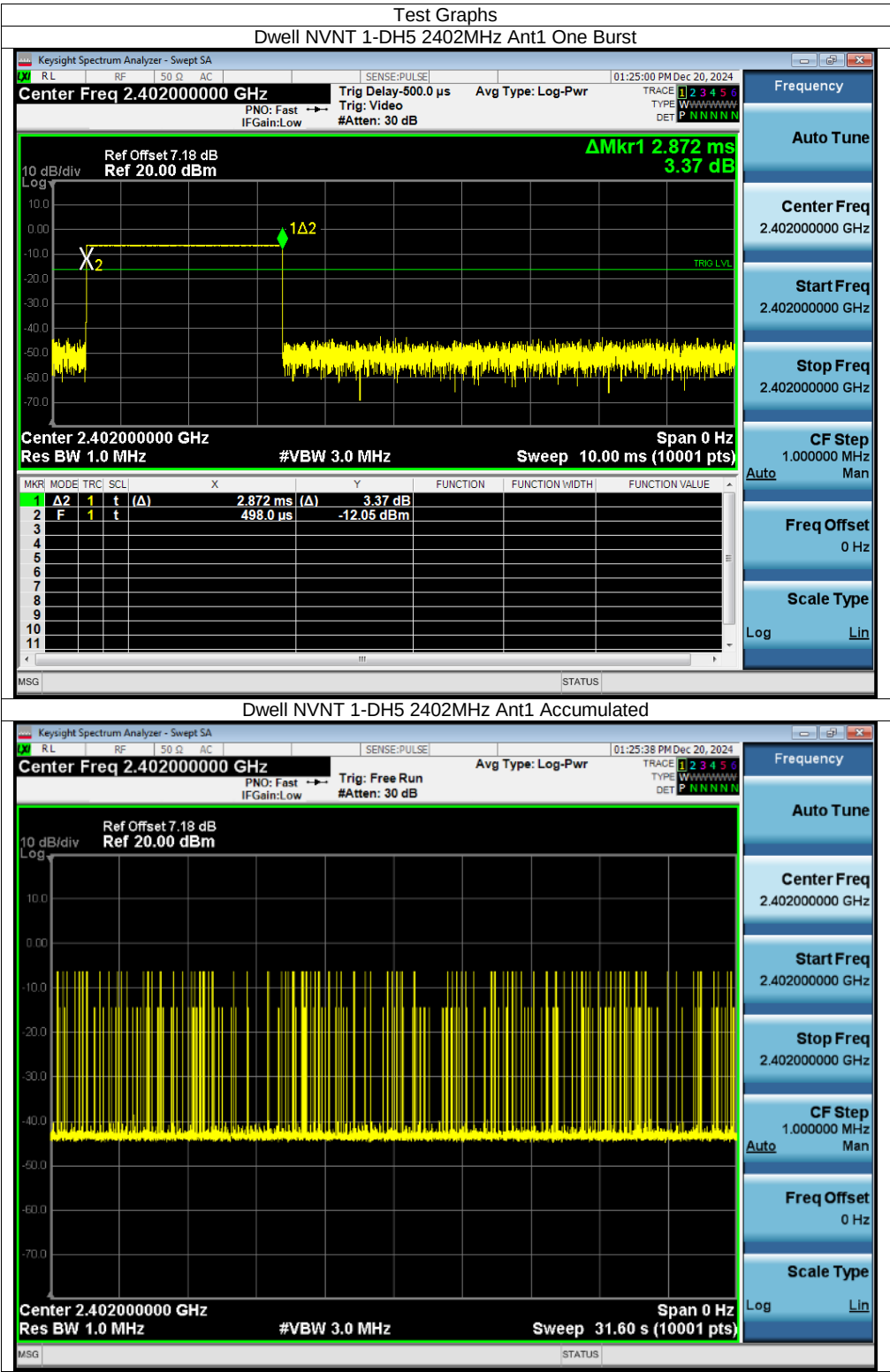
Freq Offset0 Hz

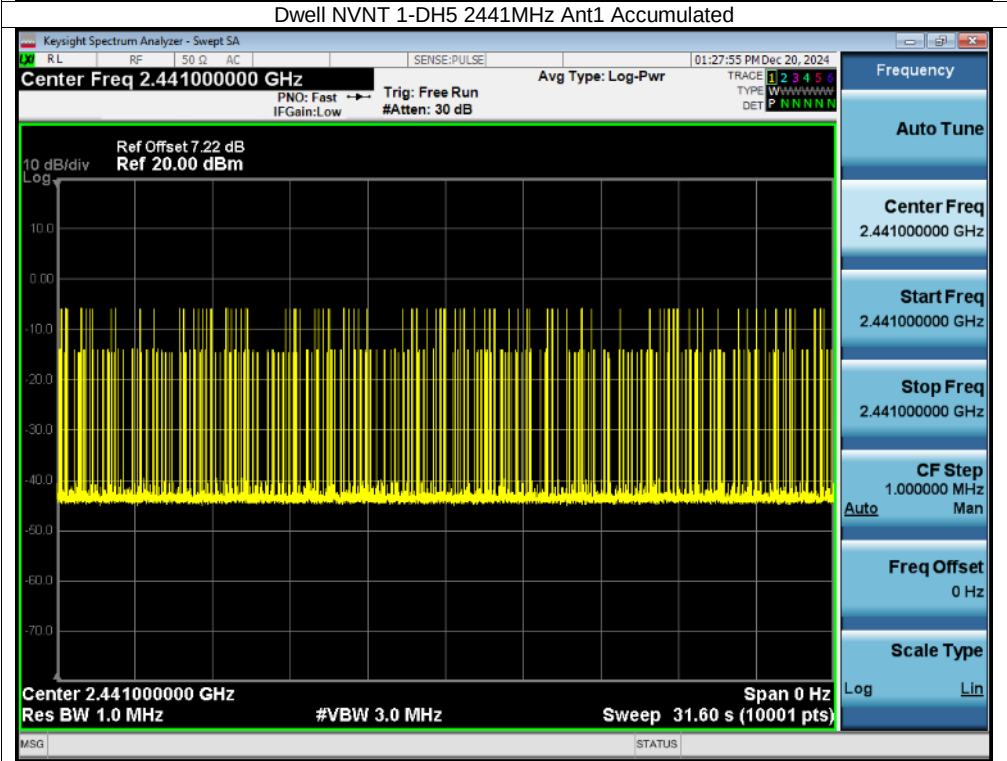
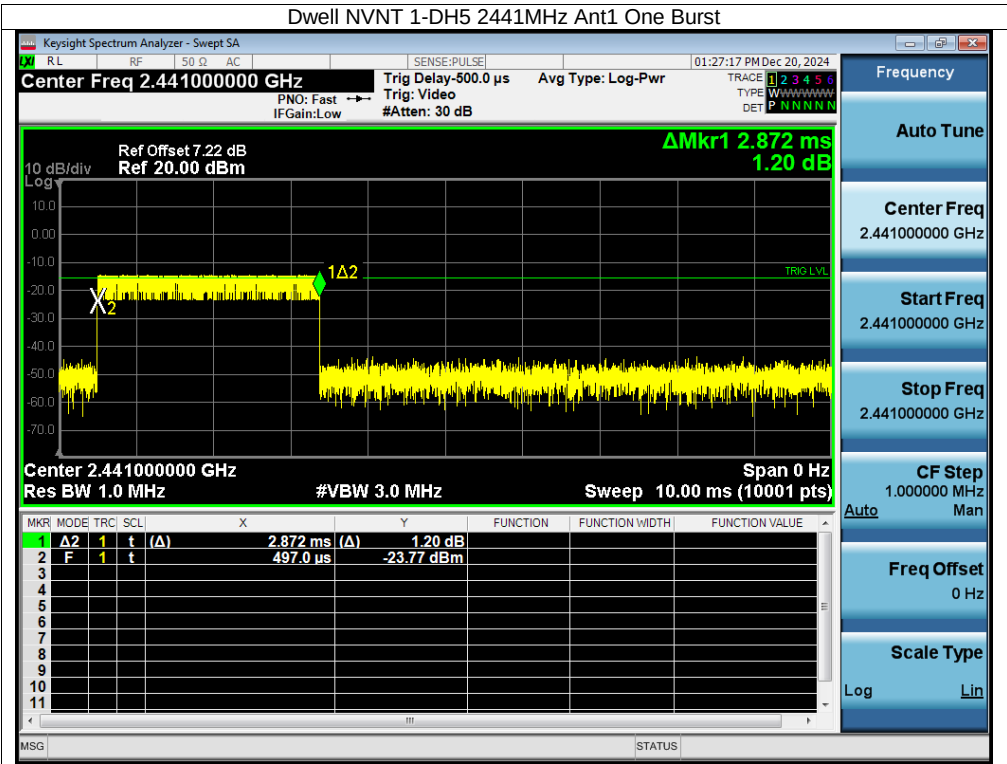
Scale TypeLogLin

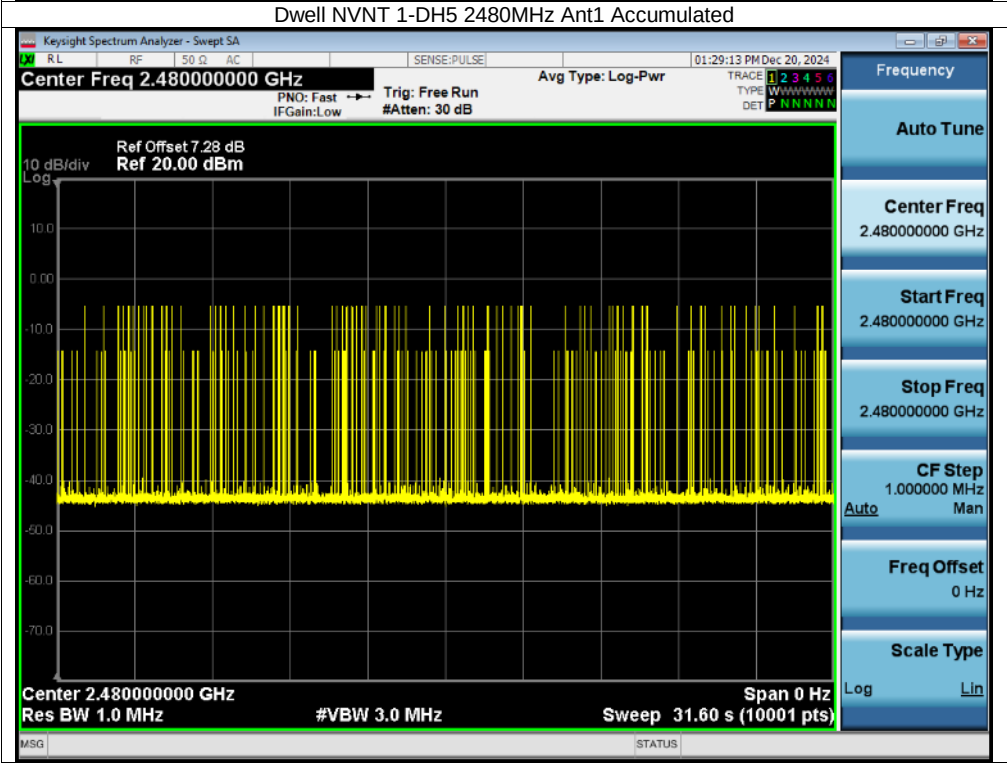
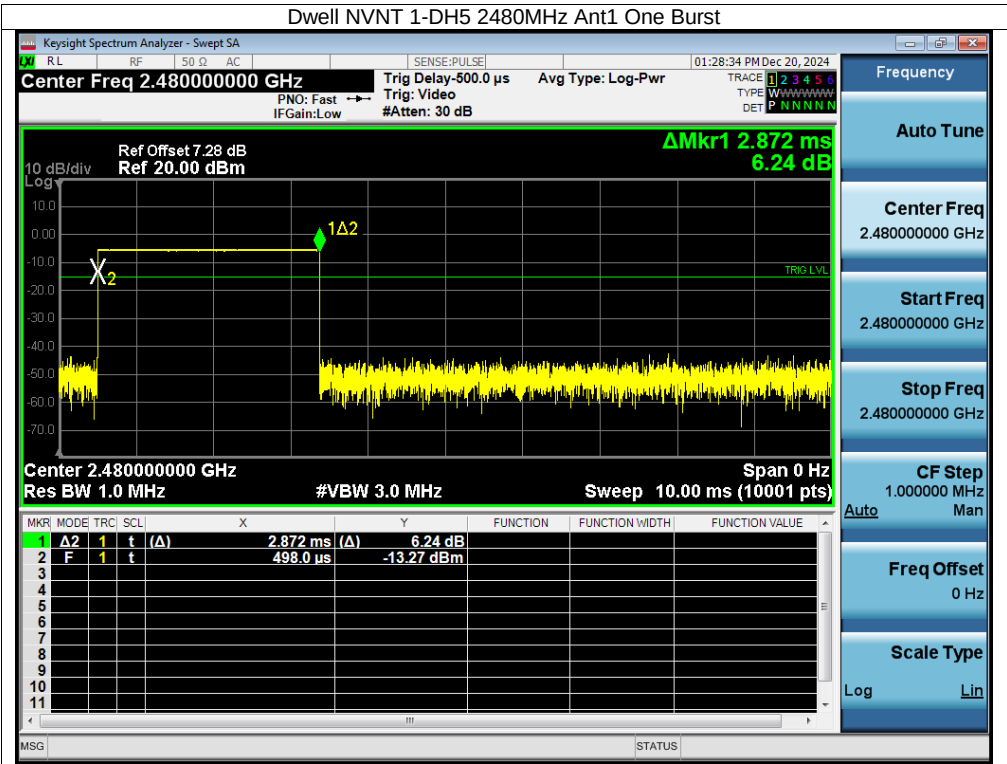


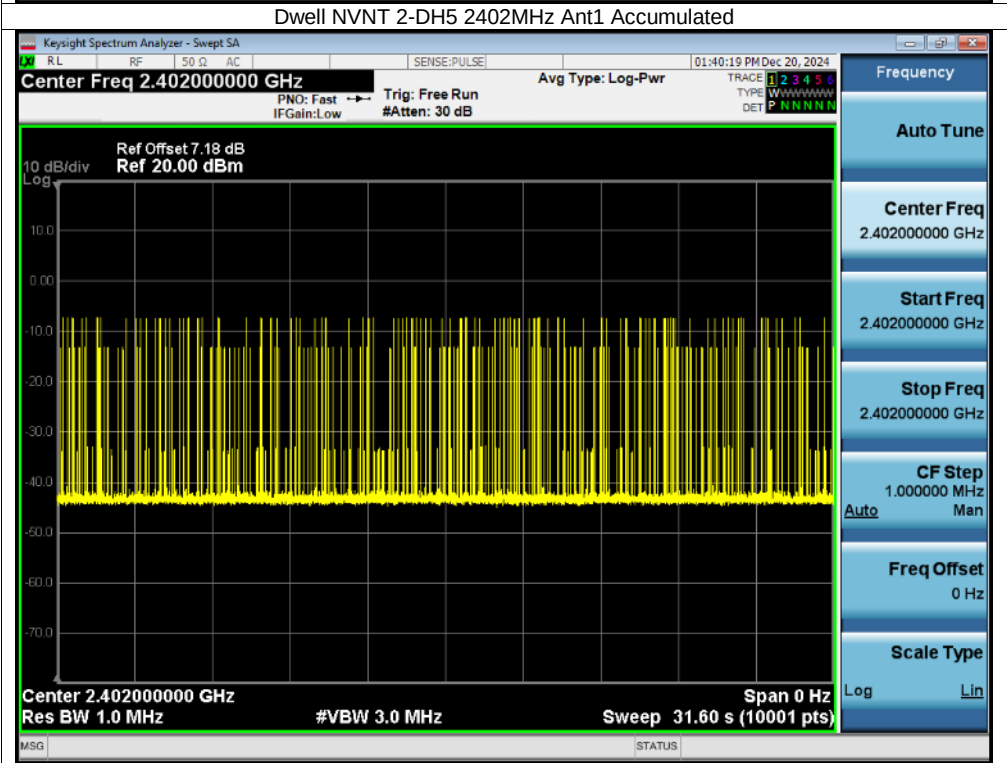
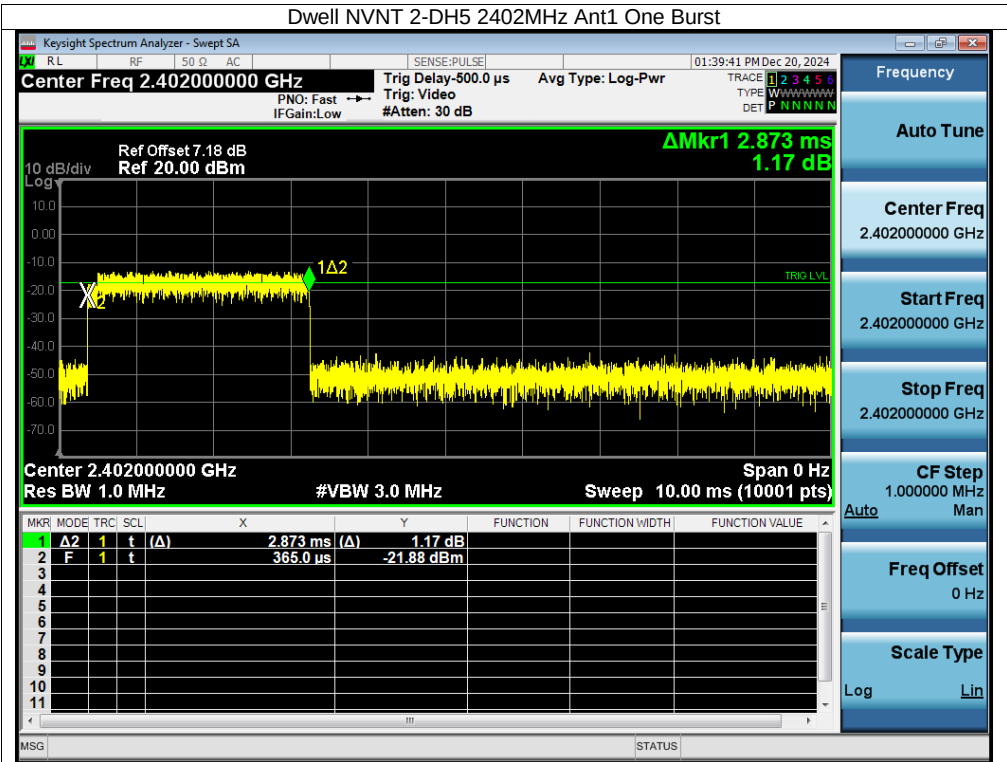
Dwell Time

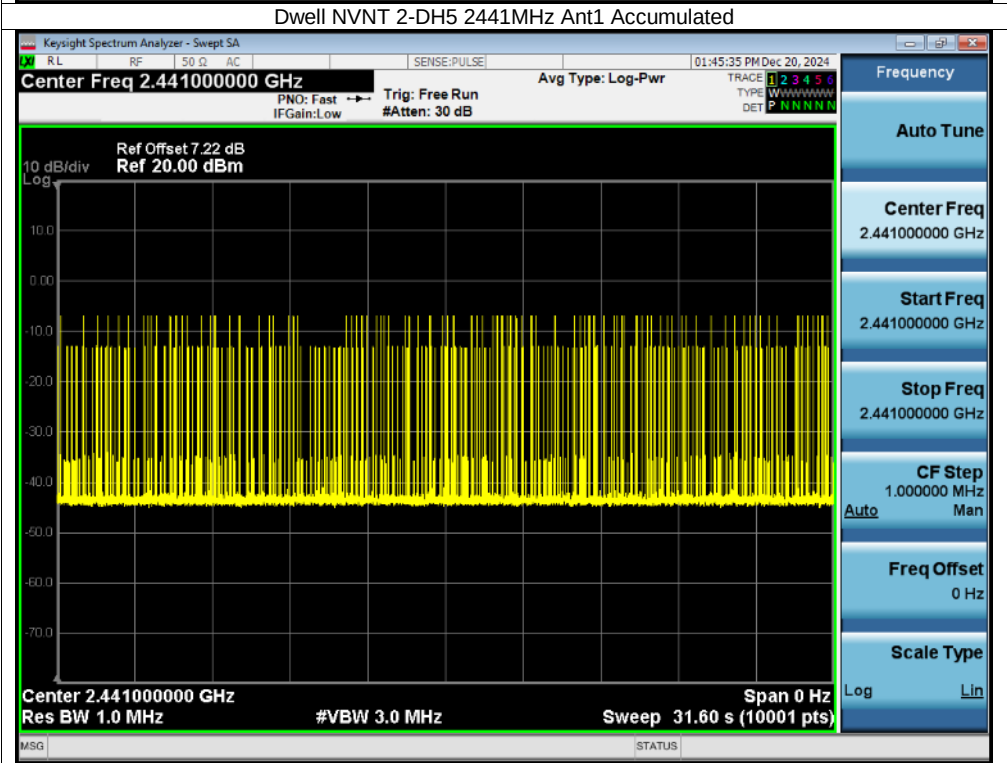
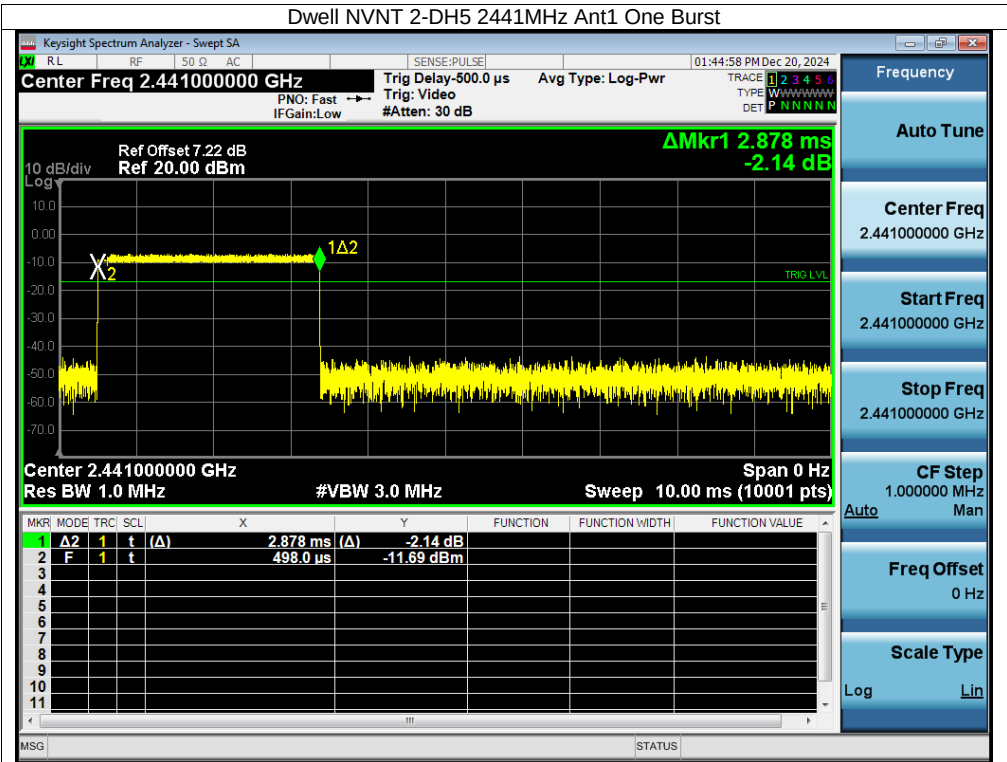
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.872	298.688	104	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.872	292.944	102	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.872	269.968	94	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.873	318.903	111	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.878	287.8	100	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.878	299.312	104	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.88	299.52	104	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.879	259.11	90	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.879	299.416	104	31600	400	Pass

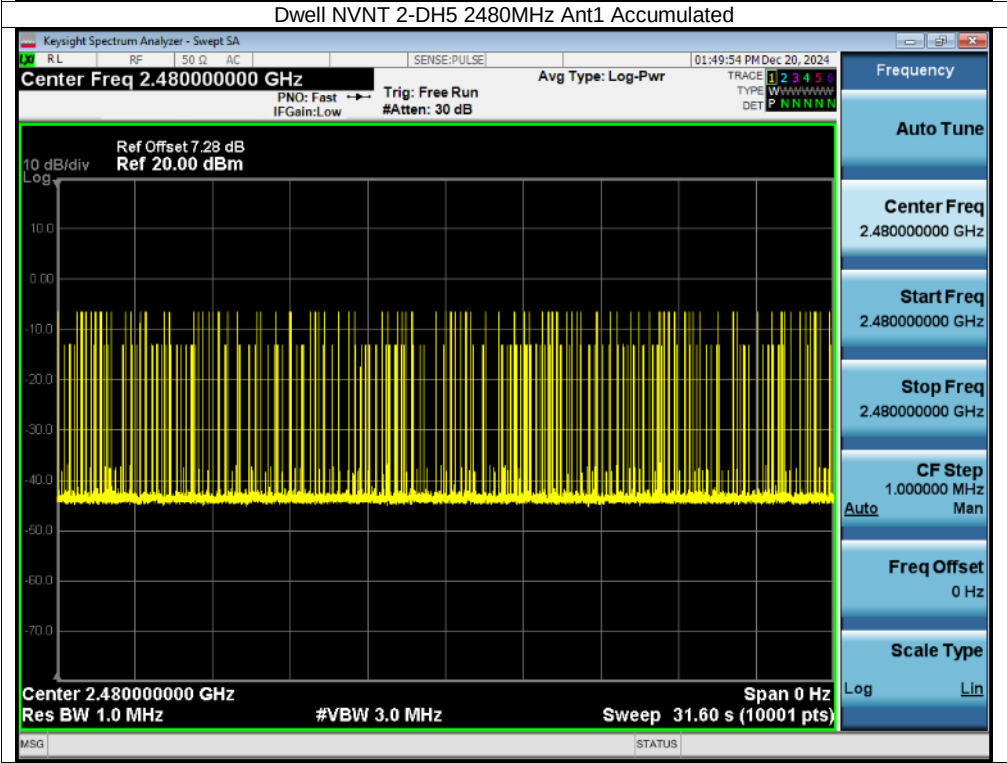
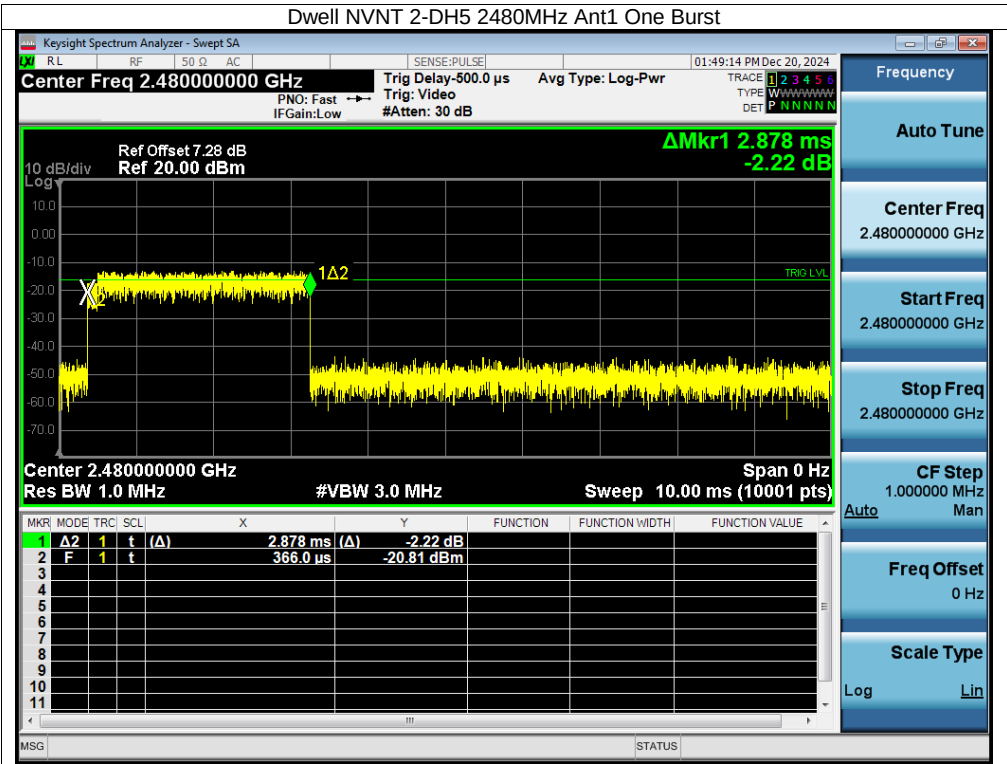


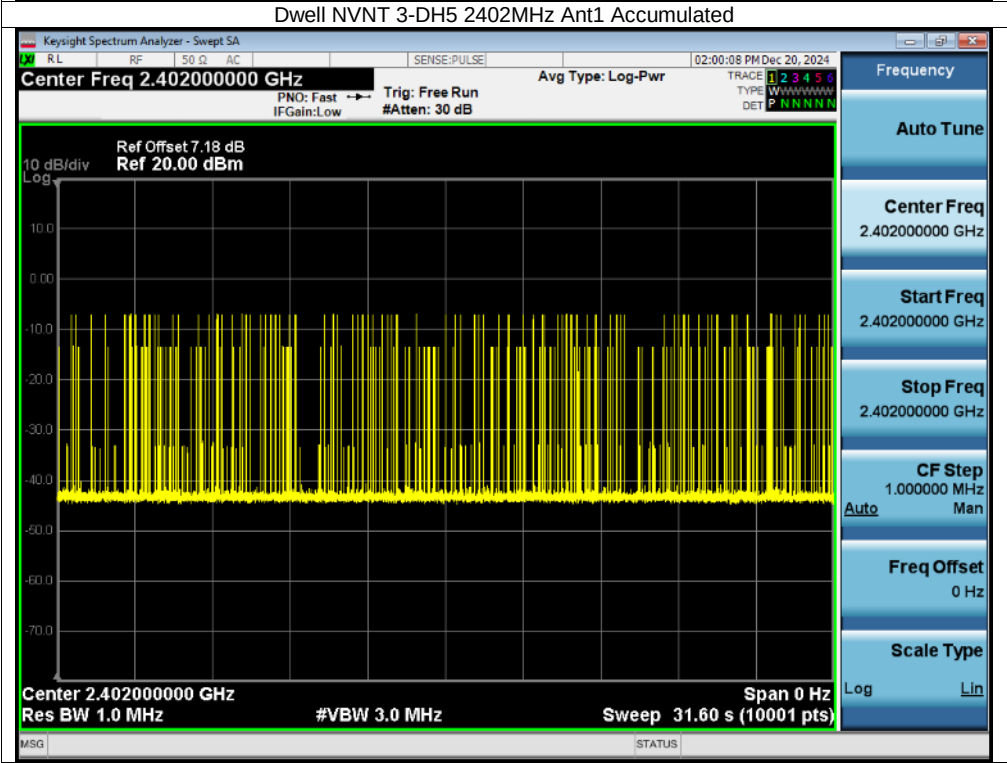
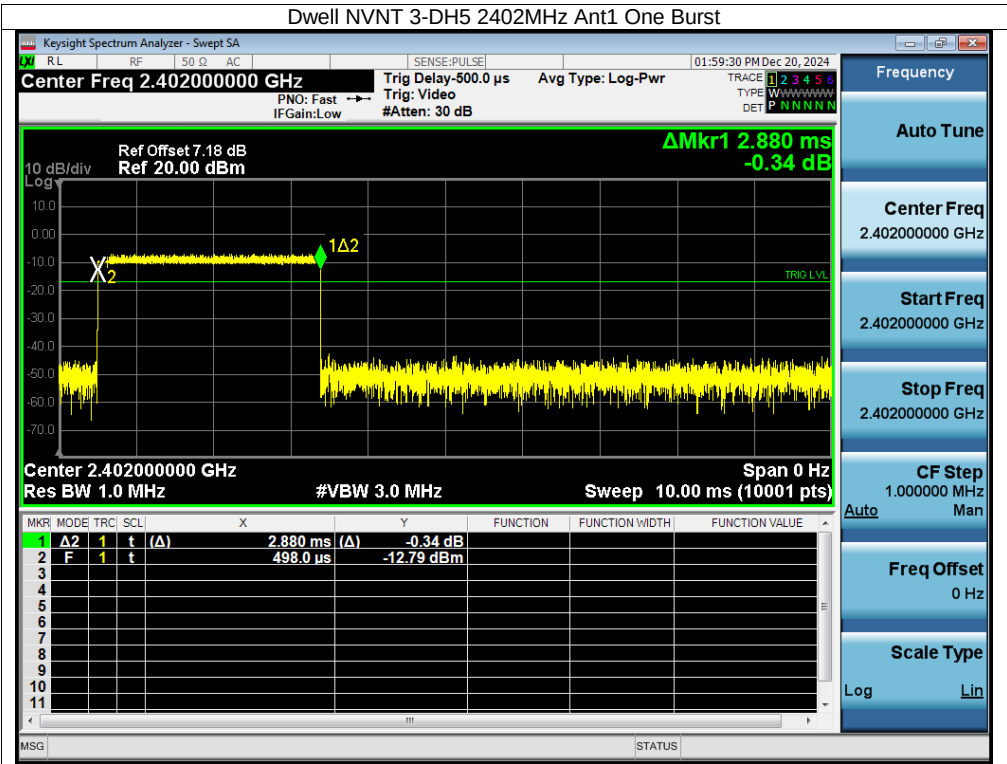


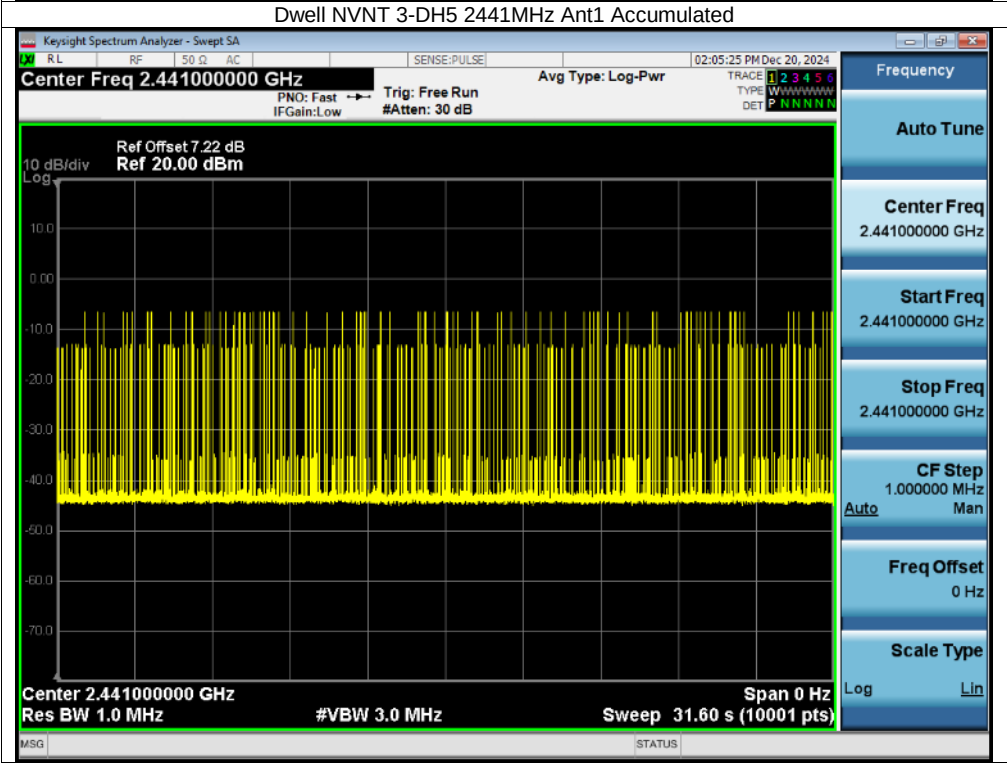
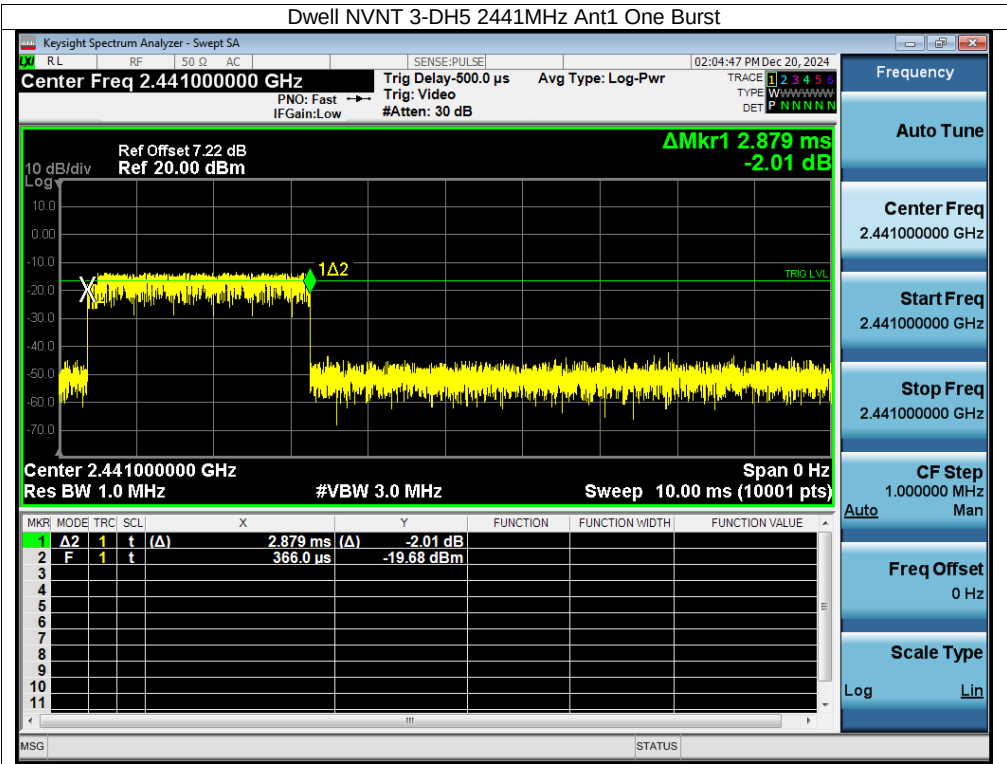


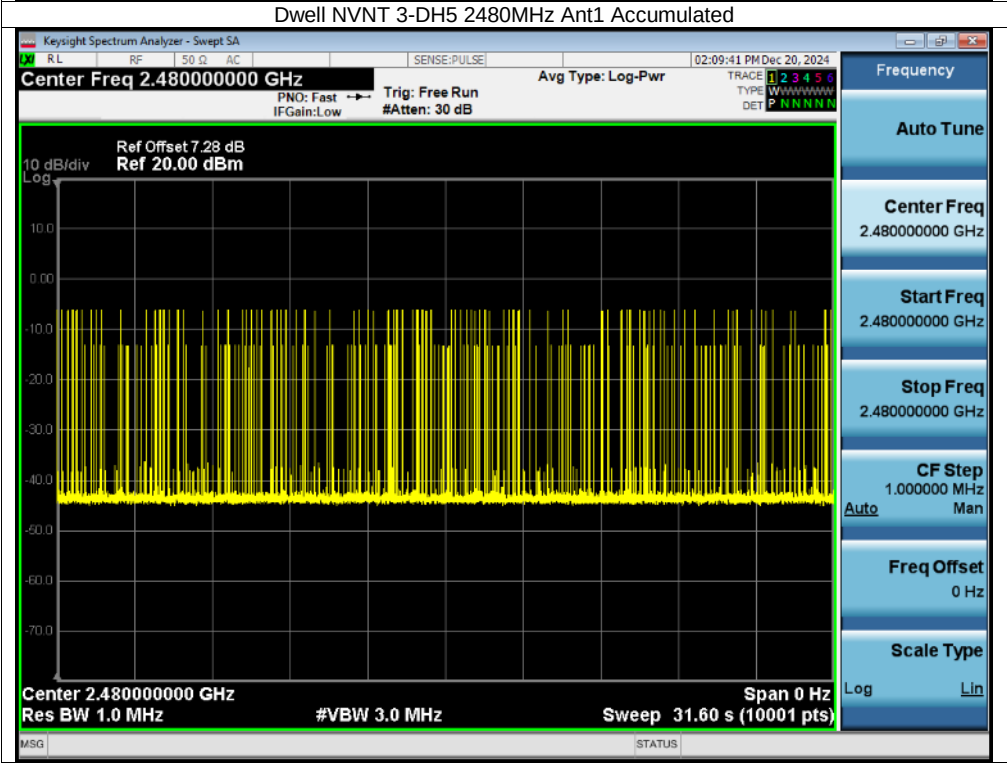
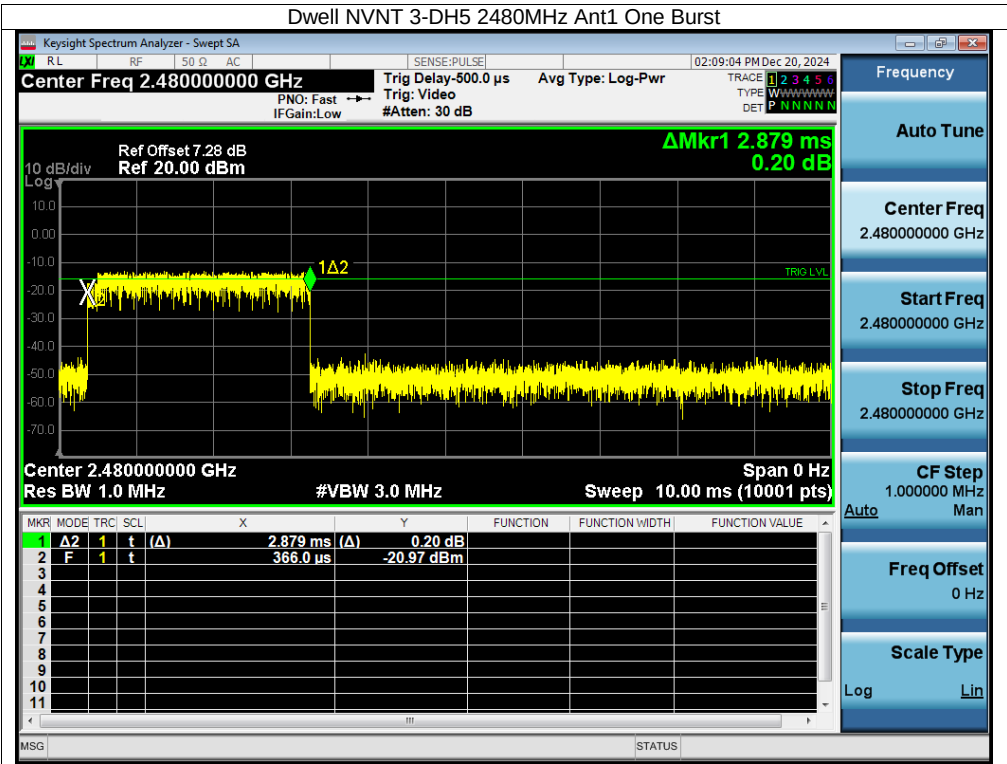






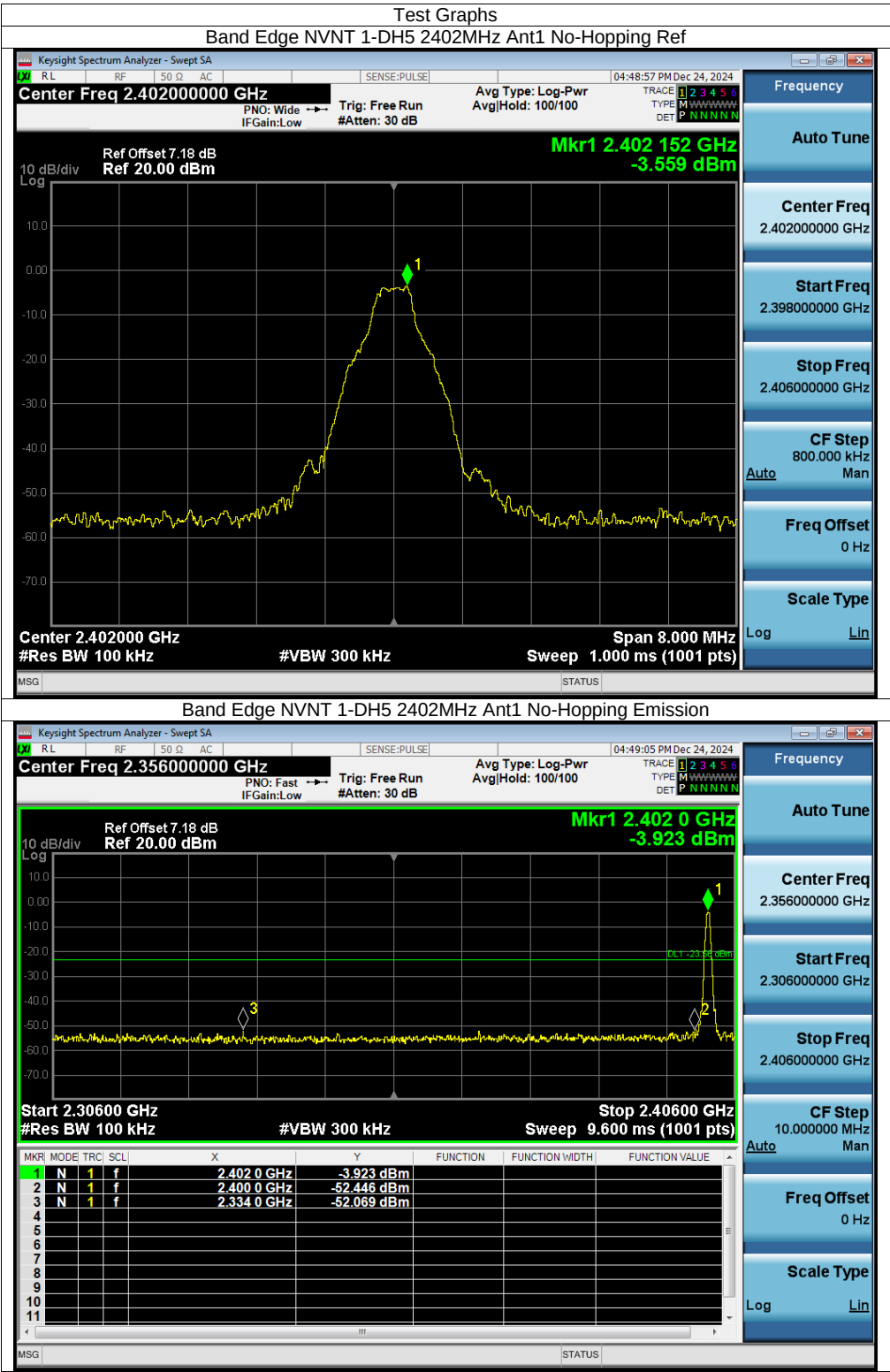






Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-48.511	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-46.29	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-44.967	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-43.52	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-44.352	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-43.994	-20	Pass



Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

Keysight Spectrum Analyzer - Swept SA

RLRF50ΩACSENSE:PULSE

04:49:05 PM Dec 24, 2024

Center Freq 2.356000000 GHz

PNO: Fast → Trig: Free Run

Avg Type: Log-Pwr

TYPE M 1 2 3 4 5 6

IFGain:Low #Atten: 30 dB

Avg|Hold: 100/100

DET P N N N N N

Ref Offset 7.18 dB

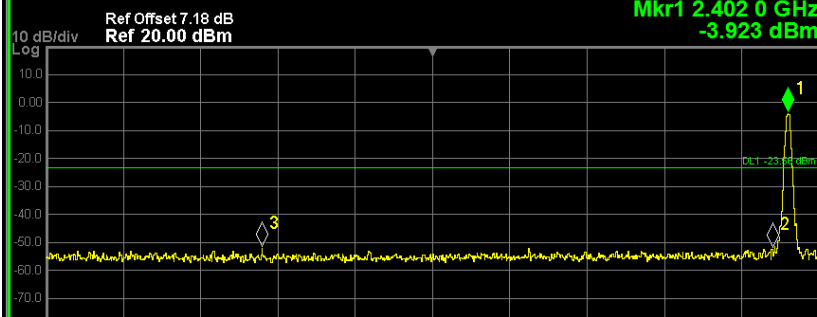
Ref 20.00 dBm

Mkr1 2.402 0 GHz

-3.923 dBm

10 dB/div

Log



Start 2.30600 GHz

#Res BW 100 kHz

#VBW 300 kHz

Stop 2.40600 GHz

Sweep 9.600 ms (1001 pts)

MSG

STATUS

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

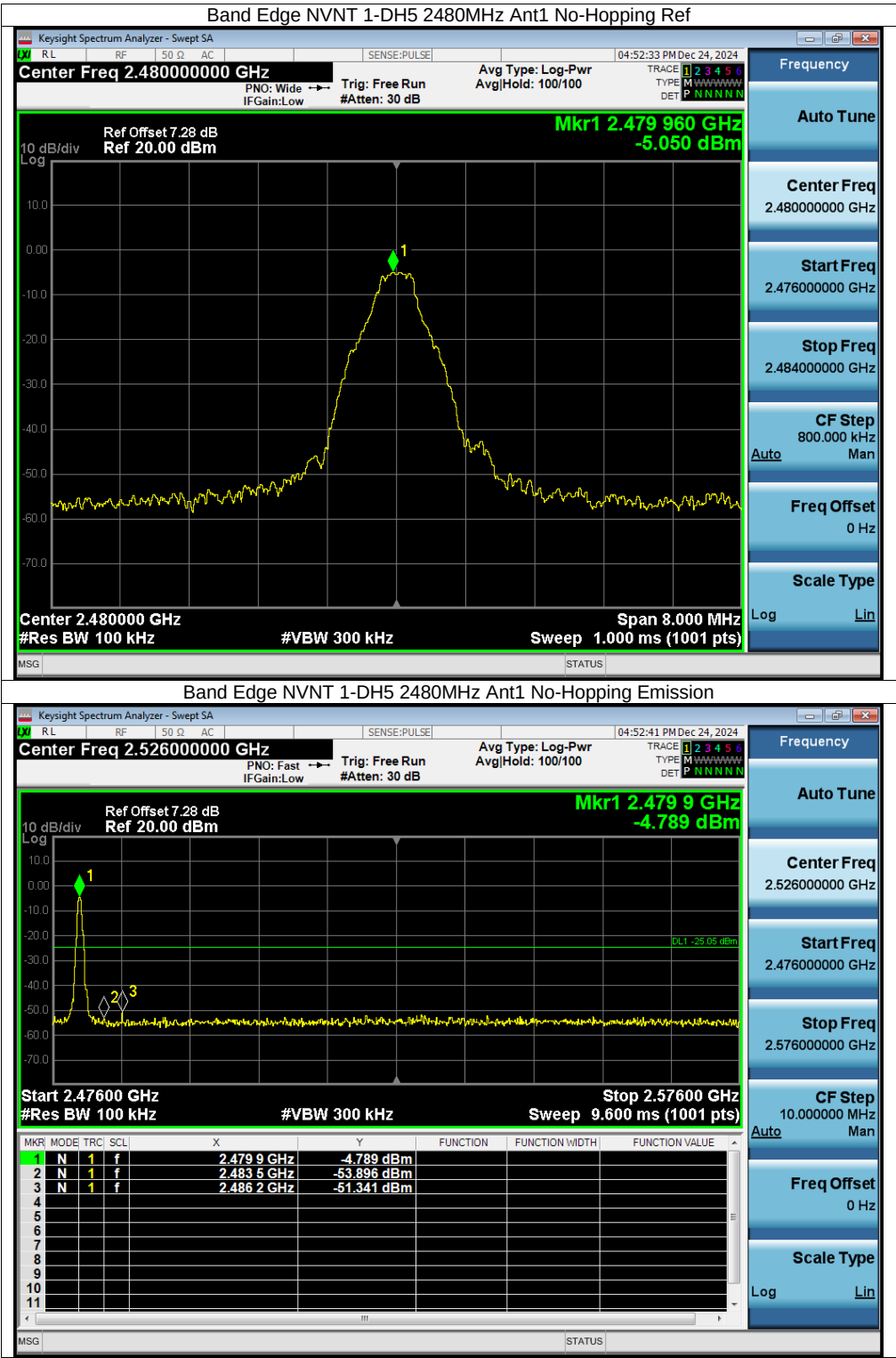
0 Hz

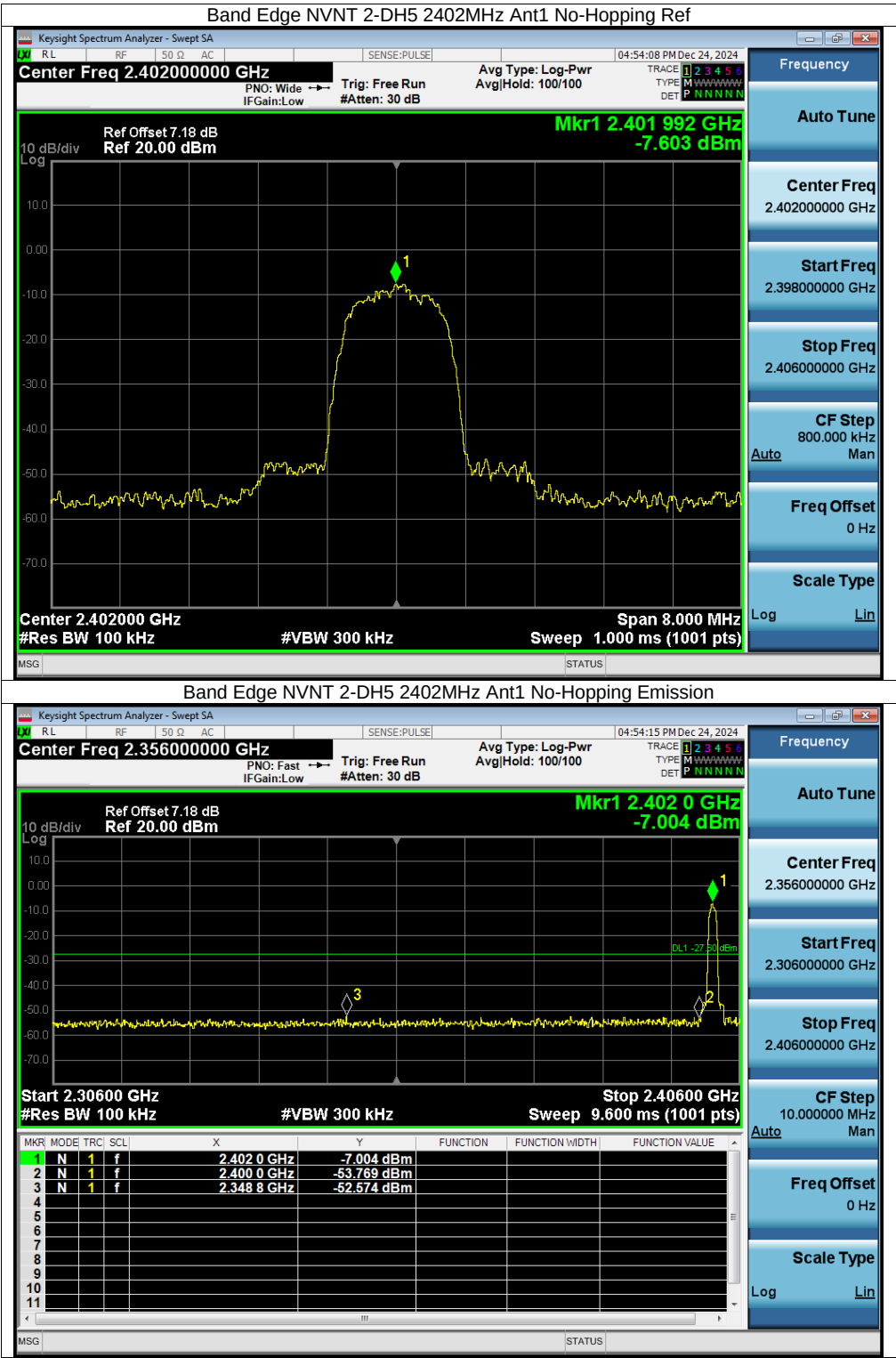
Scale Type

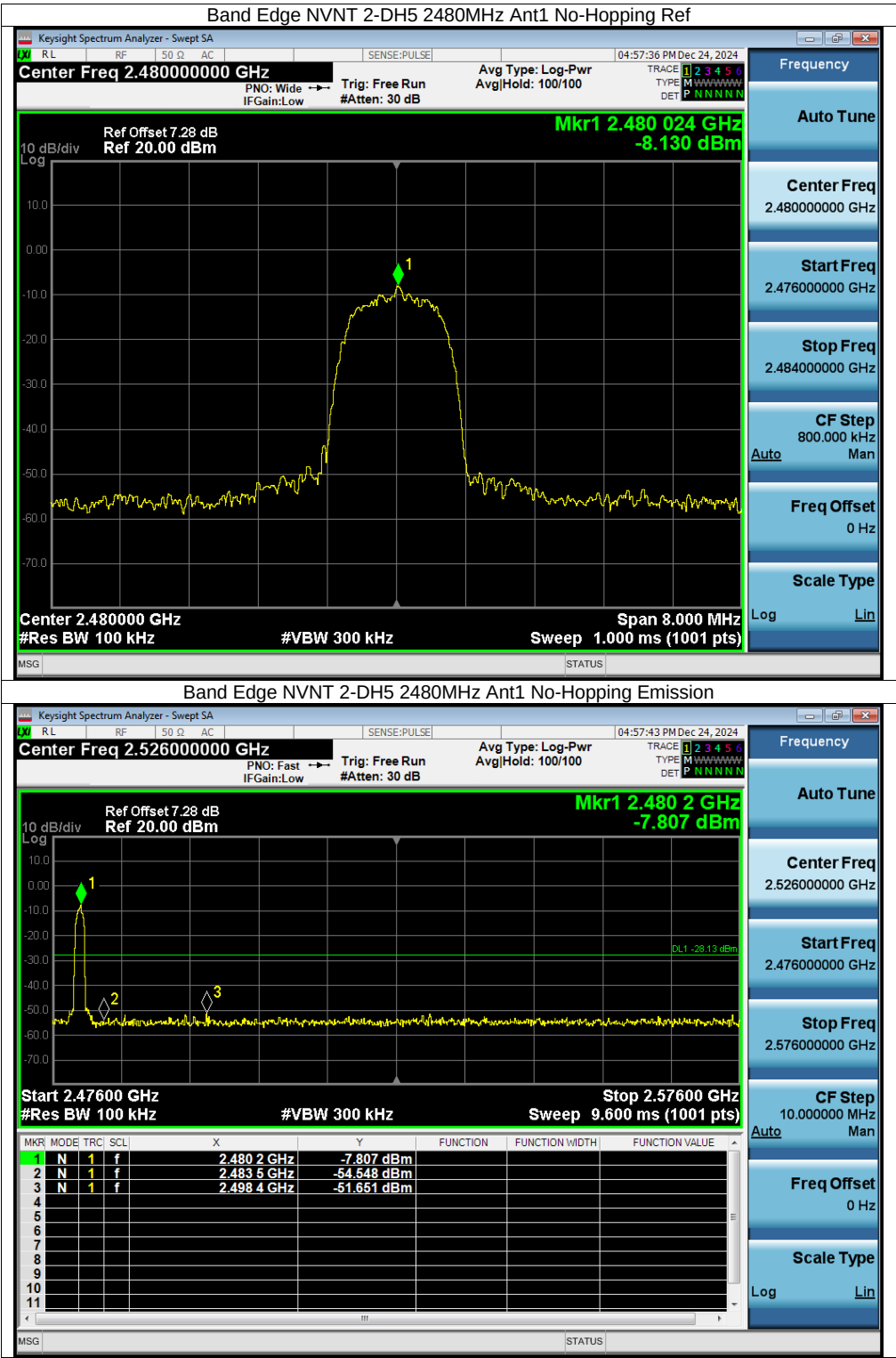
Log

Lin

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.402 0 GHz	-3.923 dBm			
2	N	1	f	2.400 0 GHz	-52.446 dBm			
3	N	1	f	2.334 0 GHz	-52.069 dBm			
4								
5								
6								
7								
8								
9								
10								
11								







Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

KeySight Spectrum Analyzer - Swept SA

RLRF50QACSENSE:PULSE

04:57:43 PM Dec 24, 2024

Center Freq 2.526000000 GHz

PNO: Fast → Trig: Free Run Avg Type: Log-Pwr

IFGain:Low #Atten: 30 dB AvgHold: 100/100

TRACE 1 2 3 4 5 6

TYPE M W W W W W W W

DET P N N N N N

Ref Offset 7.28 dB Mkr1 2.480 2 GHz

Ref 20.00 dBm -7.807 dBm

10 dB/div Log

Start 2.47600 GHz Stop 2.57600 GHz

#Res BW 100 kHz #VBW 300 kHz Sweep 9.600 ms (1001 pts)

DL1 -28.13 dBm

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.480 2 GHz	-7.807 dBm			
2	N	1	f	2.483 5 GHz	-54.548 dBm			
3	N	1	f	2.498 4 GHz	-51.651 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq 2.526000000 GHz

Start Freq 2.476000000 GHz

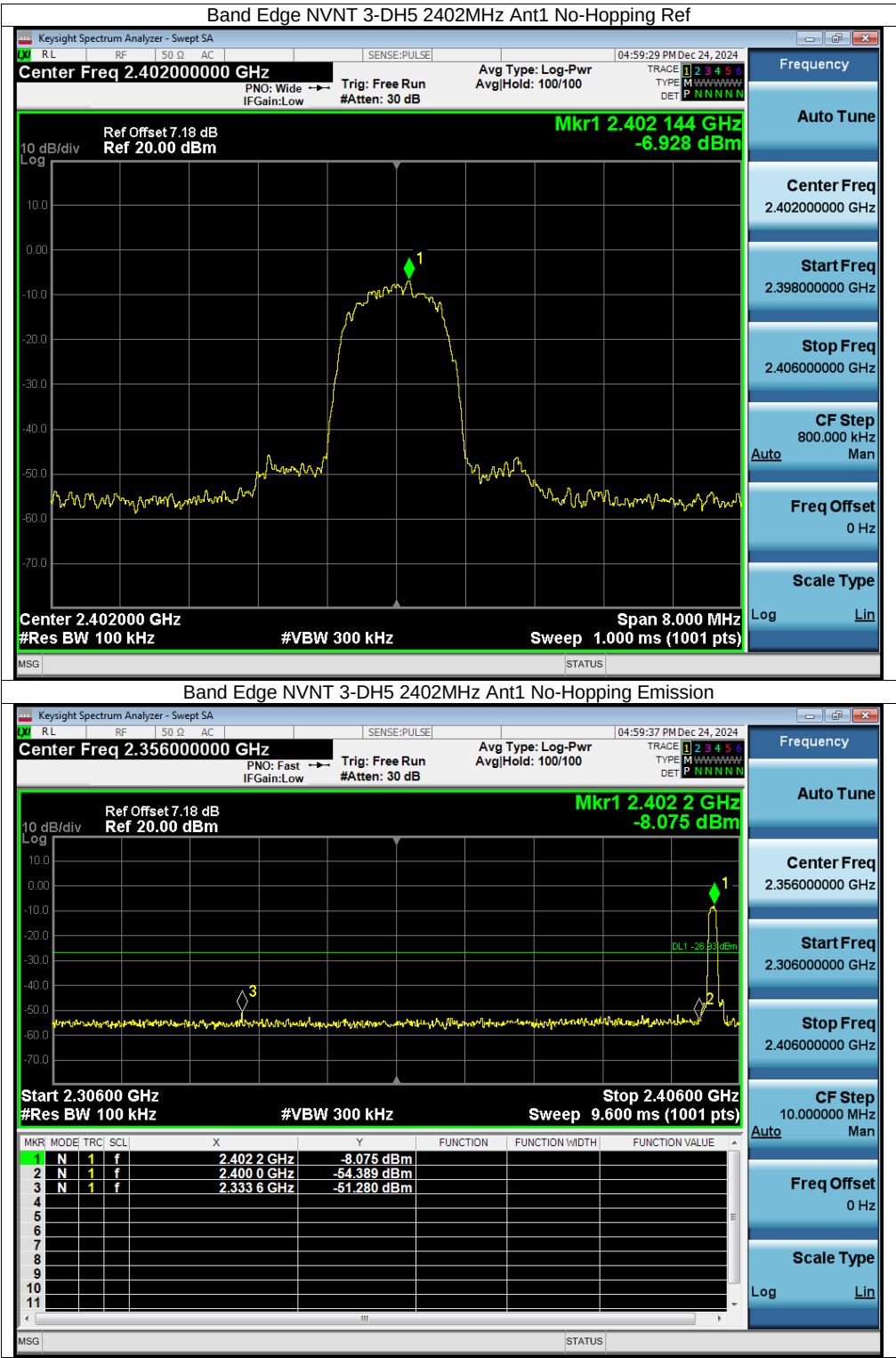
Stop Freq 2.576000000 GHz

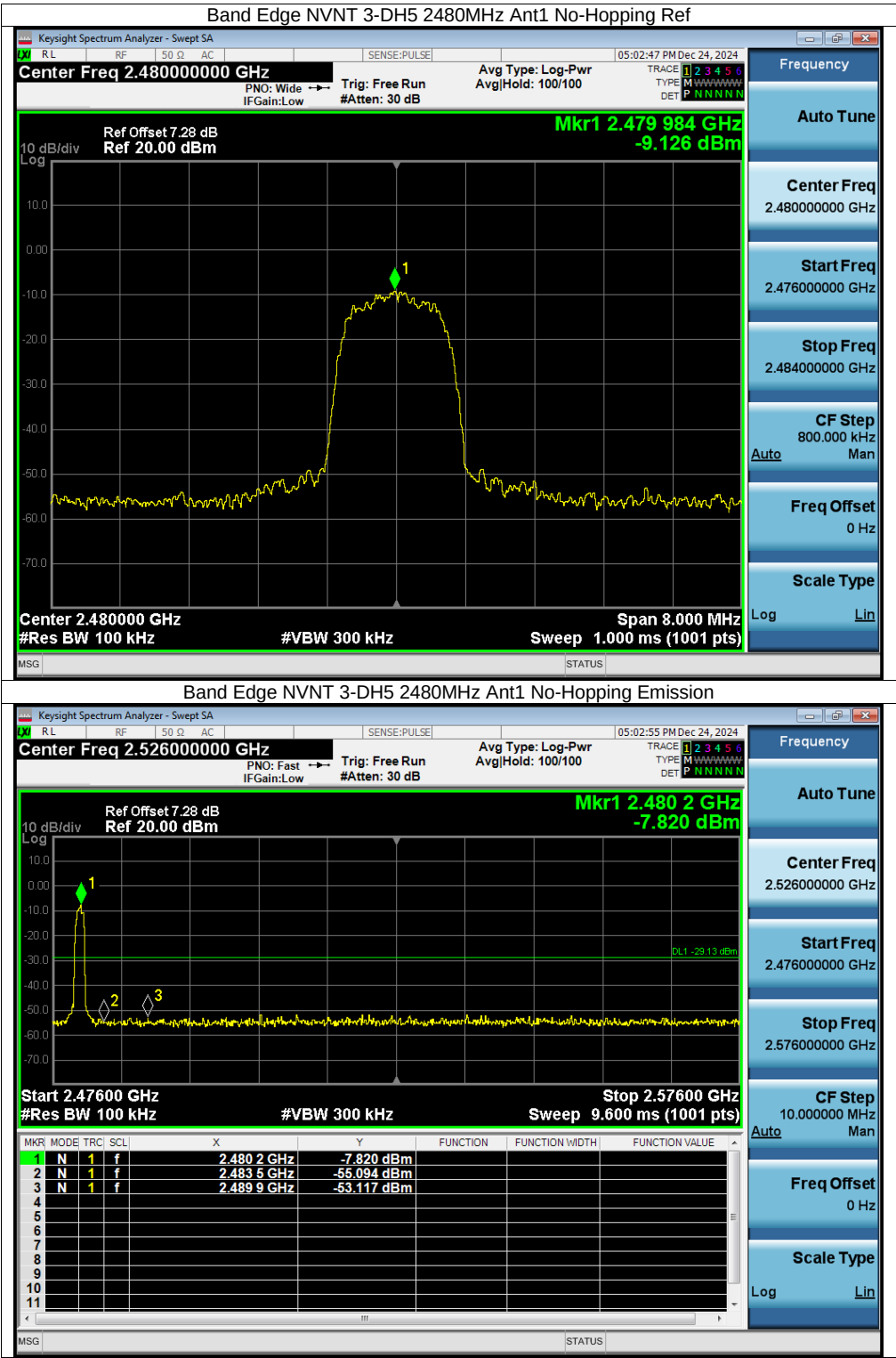
CF Step 10.000000 MHz

Auto Man

Freq Offset 0 Hz

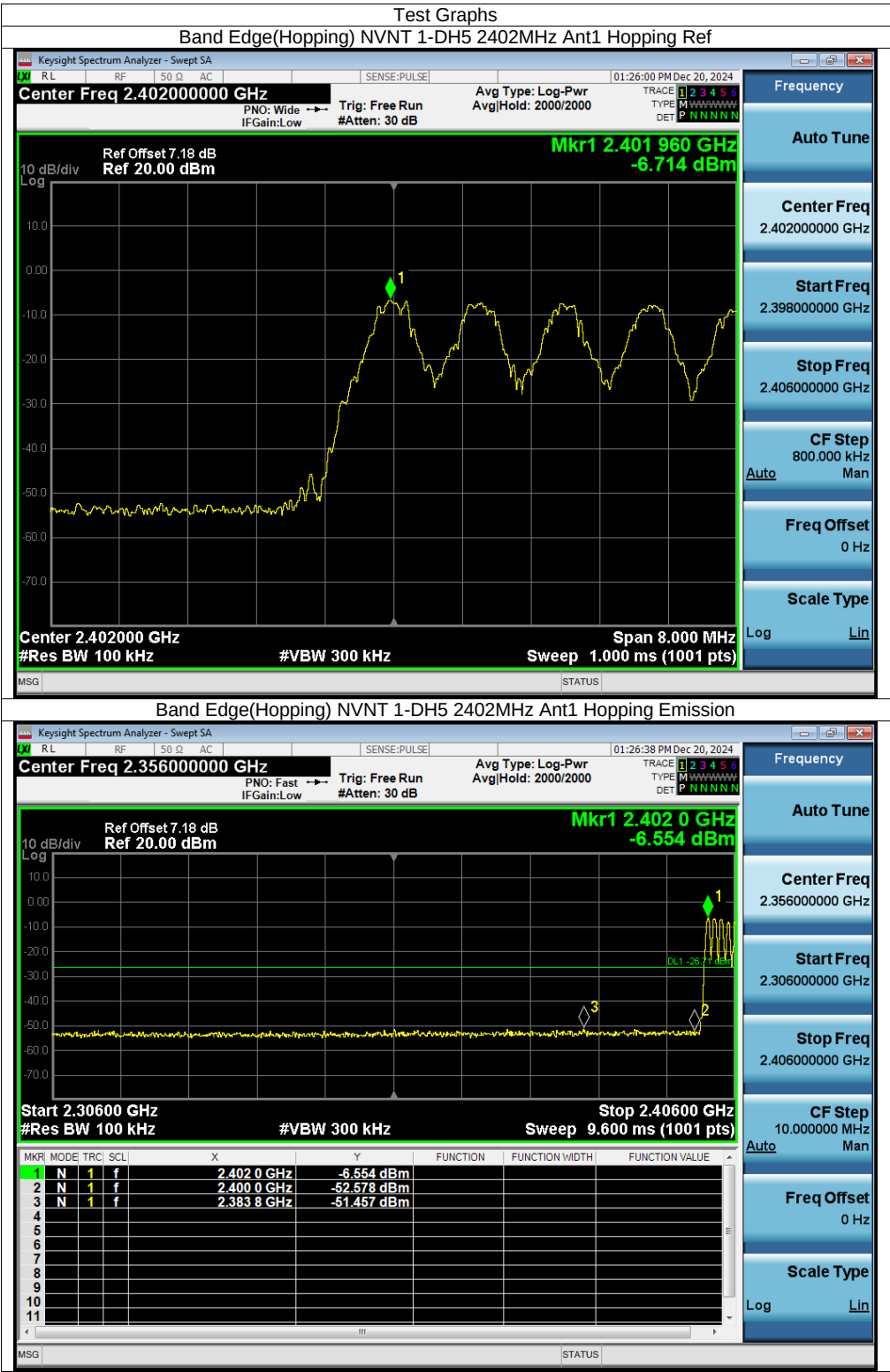
Scale Type Log Lin





Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-44.746	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-45.255	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-39.356	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-41.167	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-39.77	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-42.191	-20	Pass





Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

KeySight Spectrum Analyzer - Swept SA

RLRF50QACSENSE:PULSE

01:30:11 PM Dec 20, 2024

Center Freq 2.526000000 GHz

PNO: Fast → Trig: Free Run

Avg Type: Log-Pwr

IFGain:Low

#Atten: 30 dB

AvgHold: 2000/2000

TRACE 1 2 3 4 5 6

TYPE M W W W W W W W

DET P N N N N N

Ref Offset 7.28 dB

Ref 20.00 dBm

Mkr1 2.479 0 GHz

-5.673 dBm

Start 2.47600 GHz

#Res BW 100 kHz

#VBW 300 kHz

Stop 2.57600 GHz

Sweep 9.600 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.479 0 GHz	-5.673 dBm			
2	N	1	f	2.483 5 GHz	-52.864 dBm			
3	N	1	f	2.495 8 GHz	-61.138 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS

Frequency

Auto Tune

Center Freq 2.526000000 GHz

Start Freq 2.476000000 GHz

Stop Freq 2.576000000 GHz

CF Step 10.000000 MHz

Auto Man

Freq Offset 0 Hz

Scale Type Log Lin



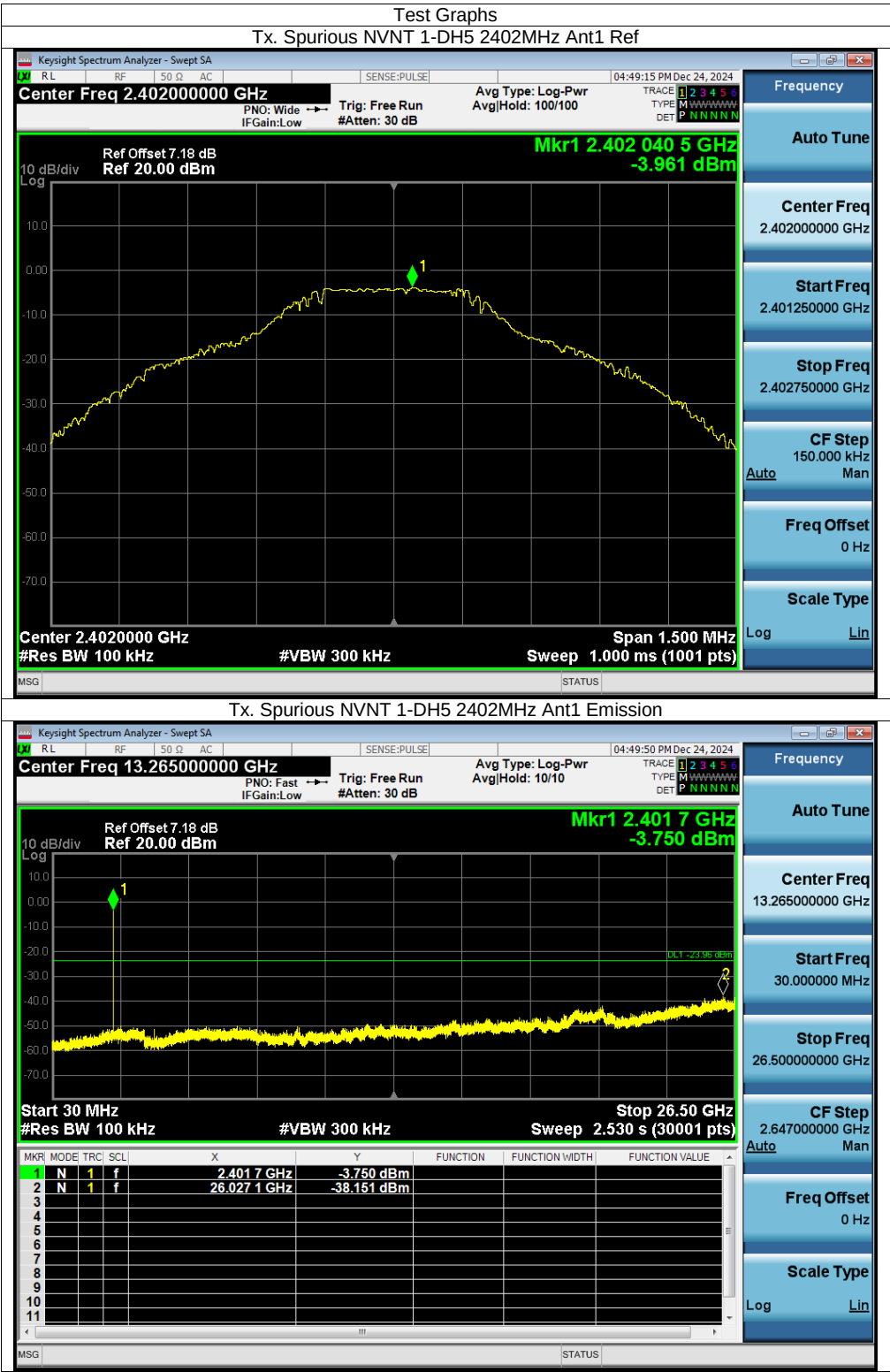


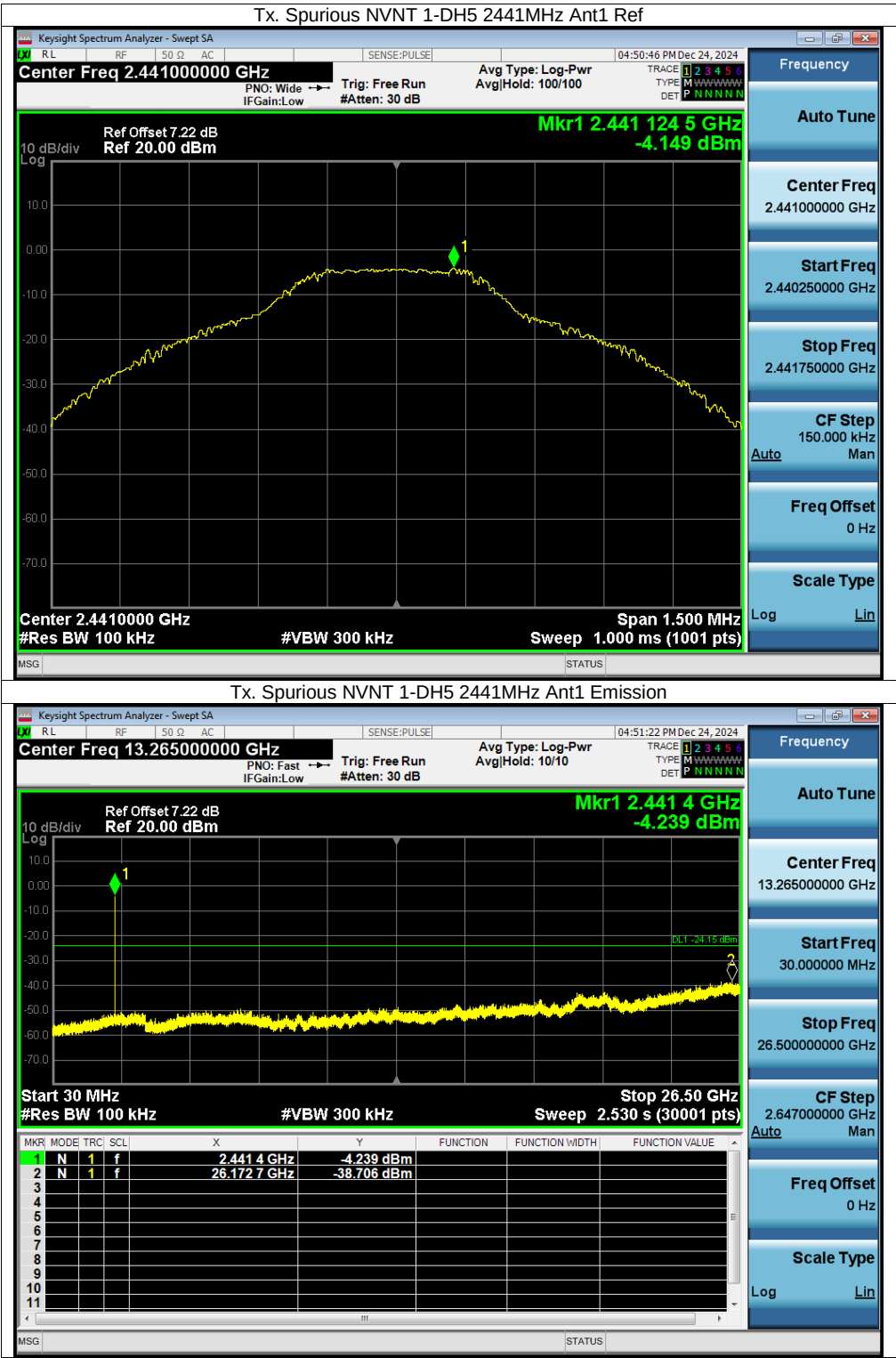


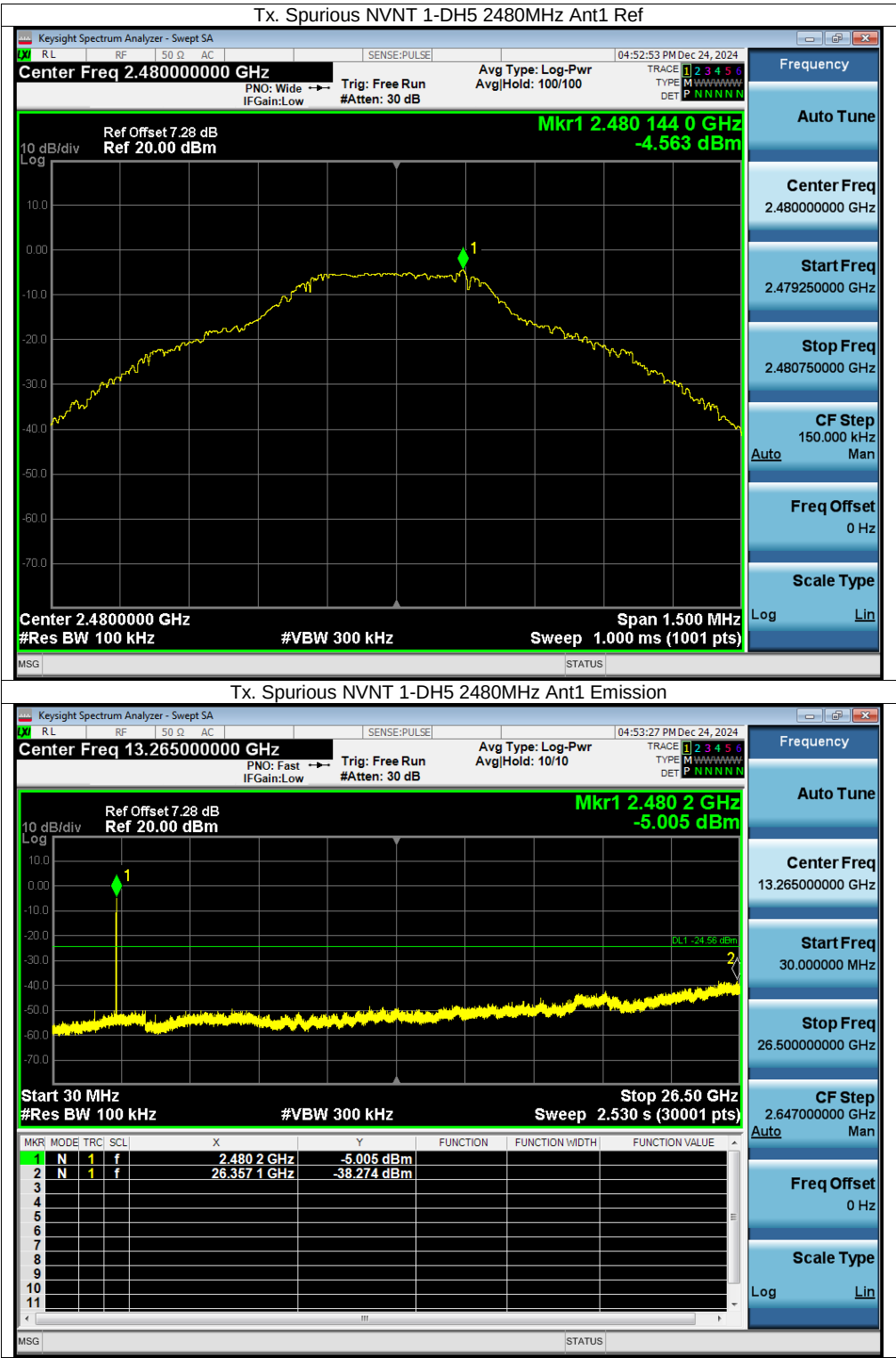


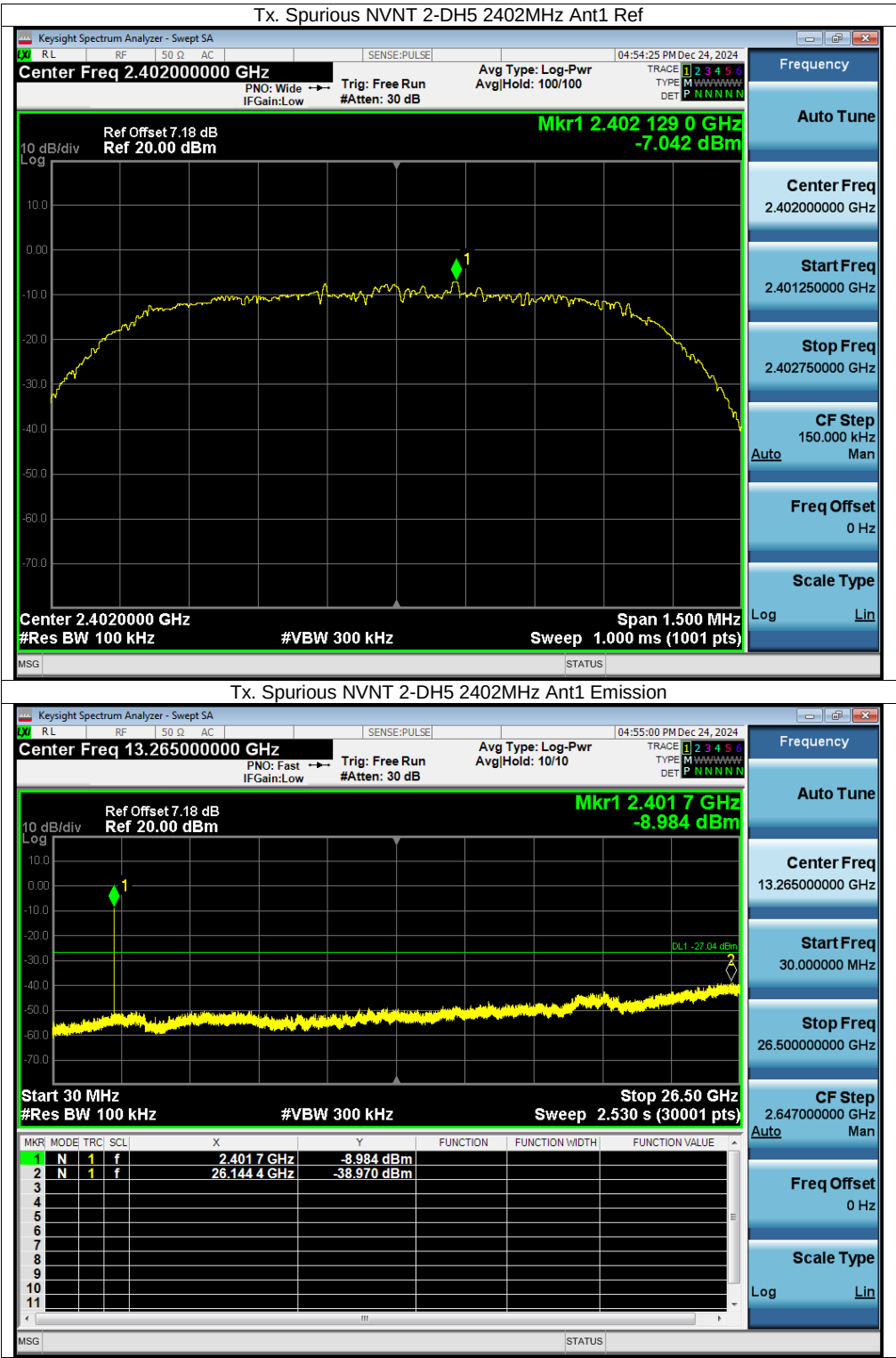
Conducted RF Spurious Emission

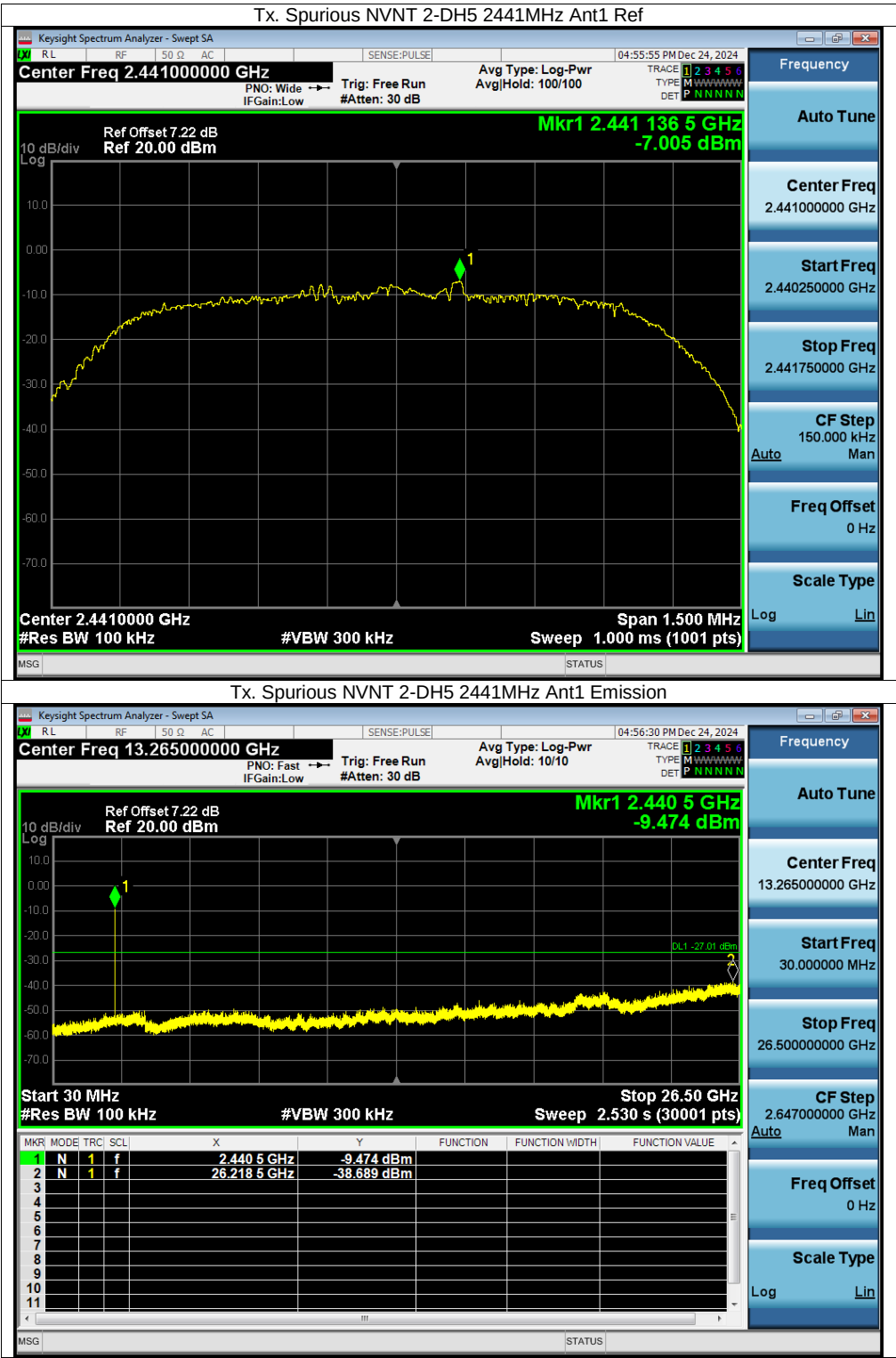
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-34.19	-20	Pass
NVNT	1-DH5	2441	Ant1	-34.56	-20	Pass
NVNT	1-DH5	2480	Ant1	-33.71	-20	Pass
NVNT	2-DH5	2402	Ant1	-31.93	-20	Pass
NVNT	2-DH5	2441	Ant1	-31.69	-20	Pass
NVNT	2-DH5	2480	Ant1	-28.3	-20	Pass
NVNT	3-DH5	2402	Ant1	-32.25	-20	Pass
NVNT	3-DH5	2441	Ant1	-31.77	-20	Pass
NVNT	3-DH5	2480	Ant1	-28.82	-20	Pass

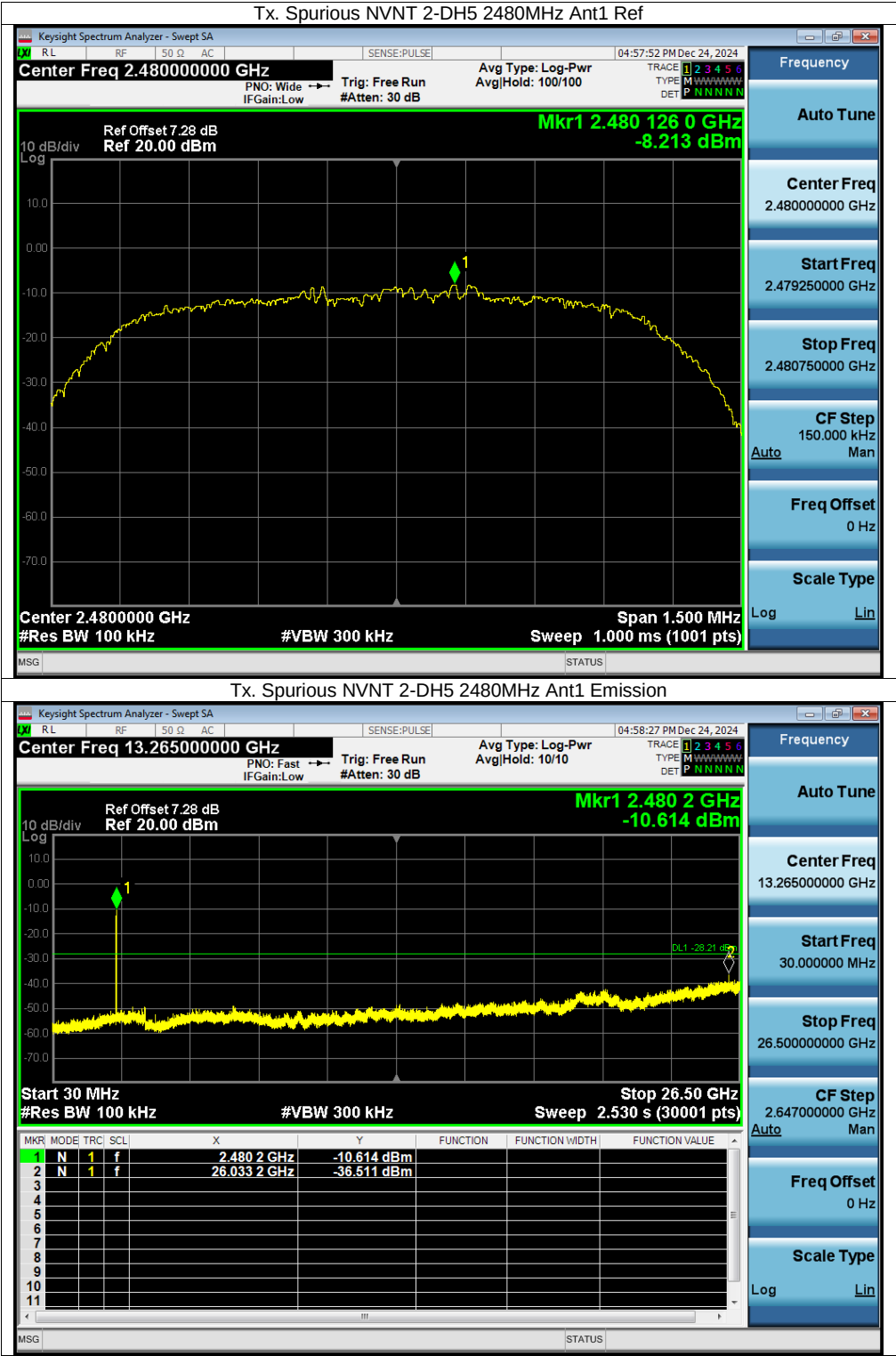


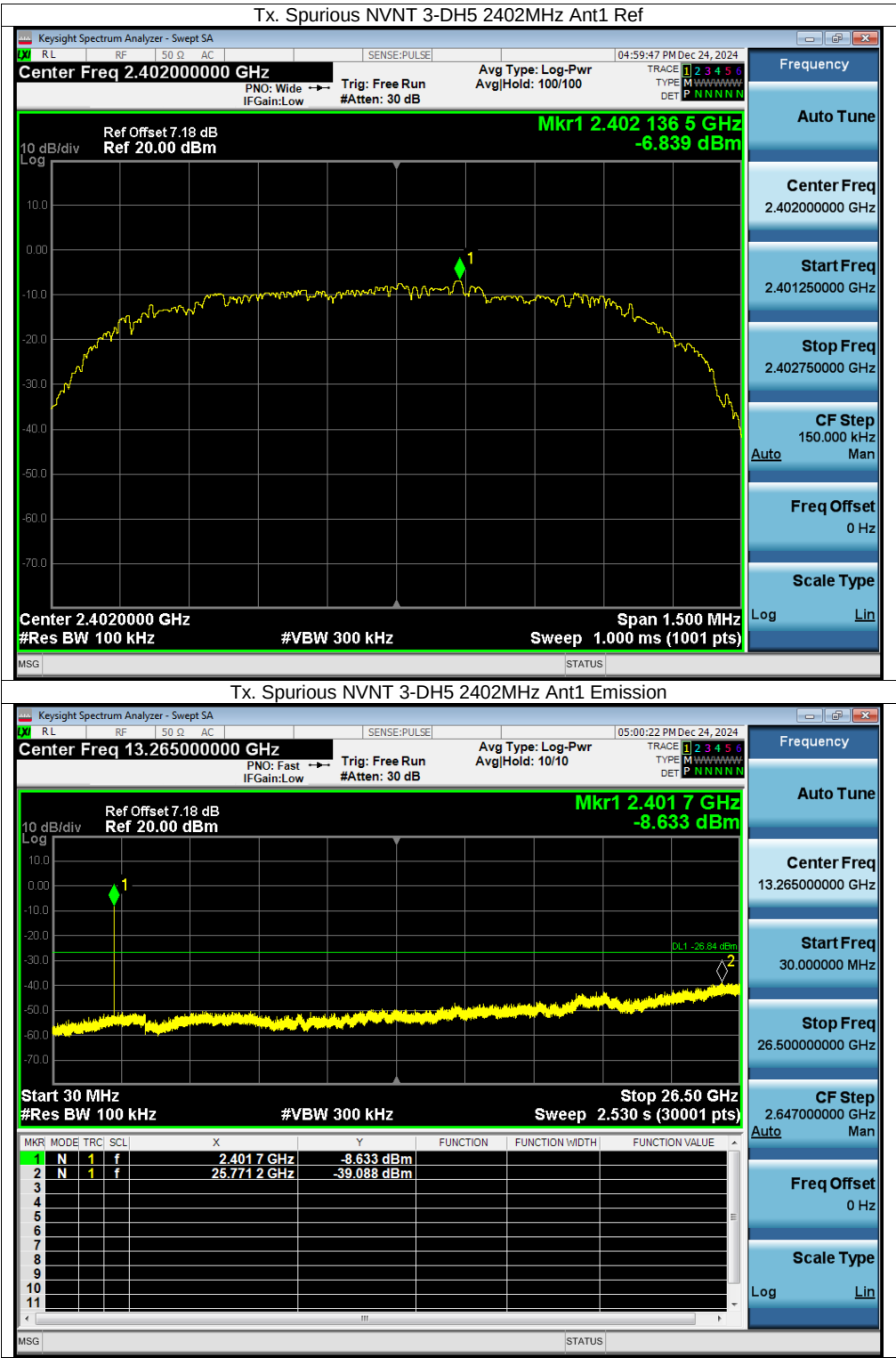


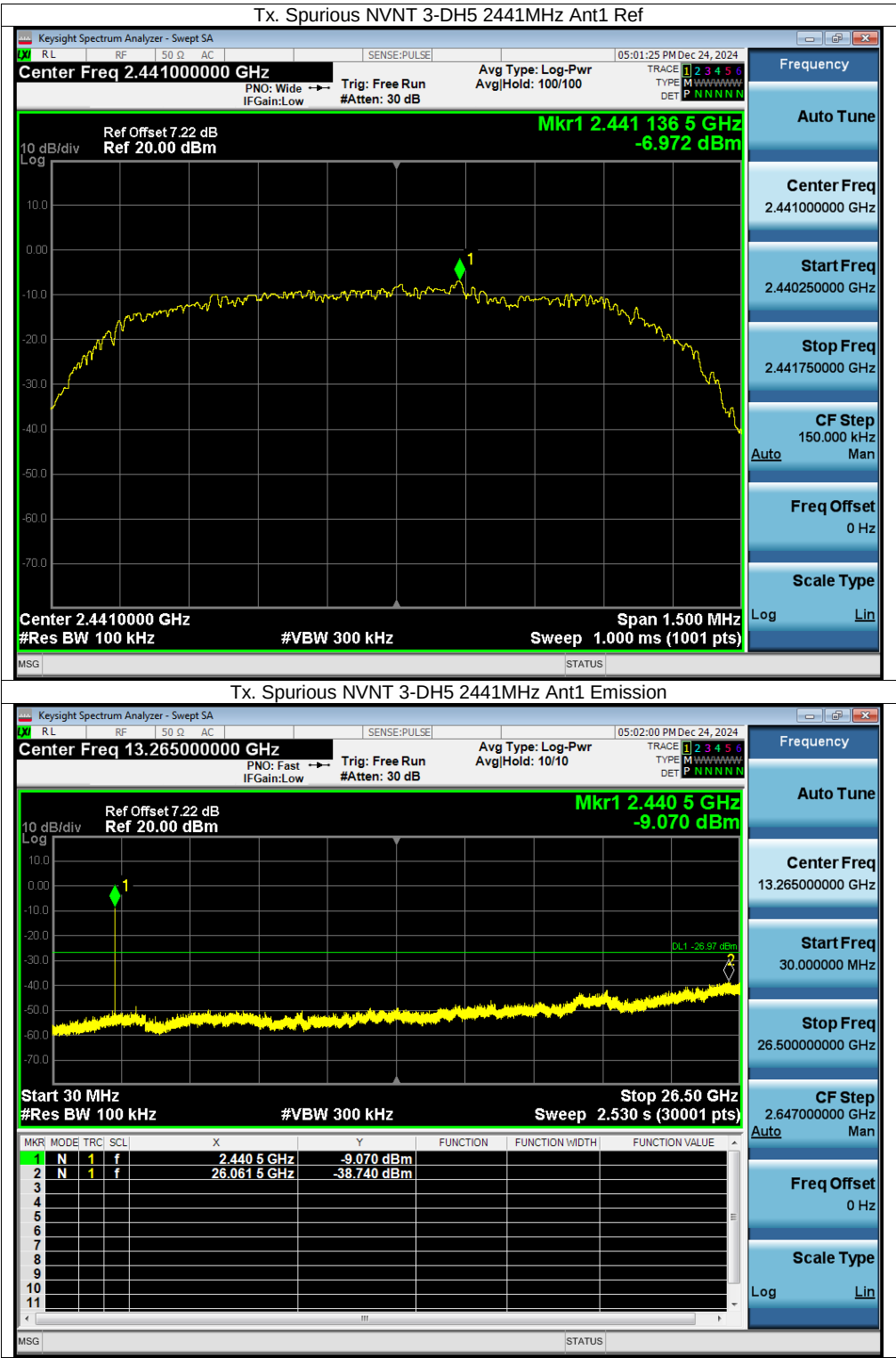


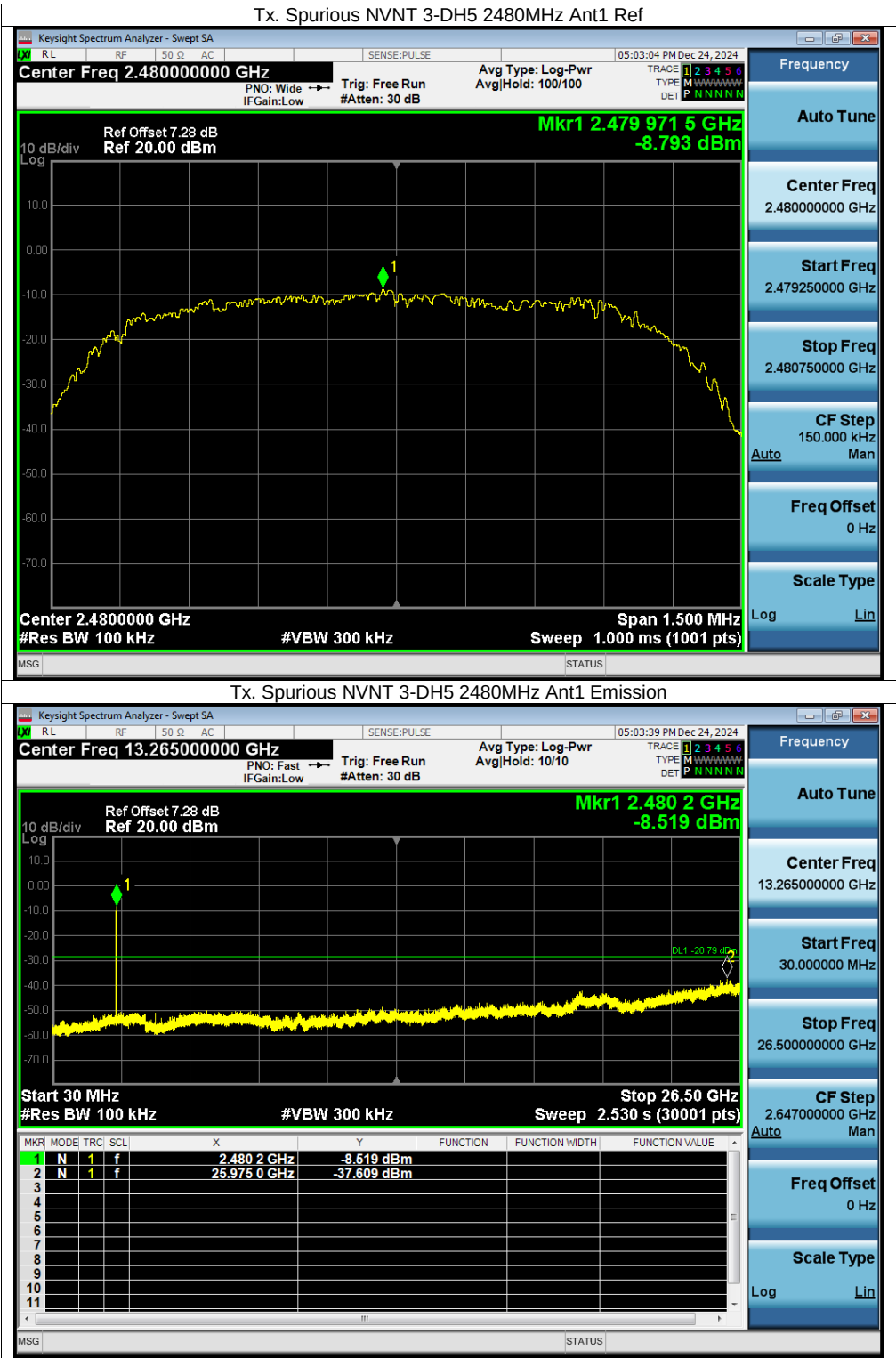












END OF REPORT