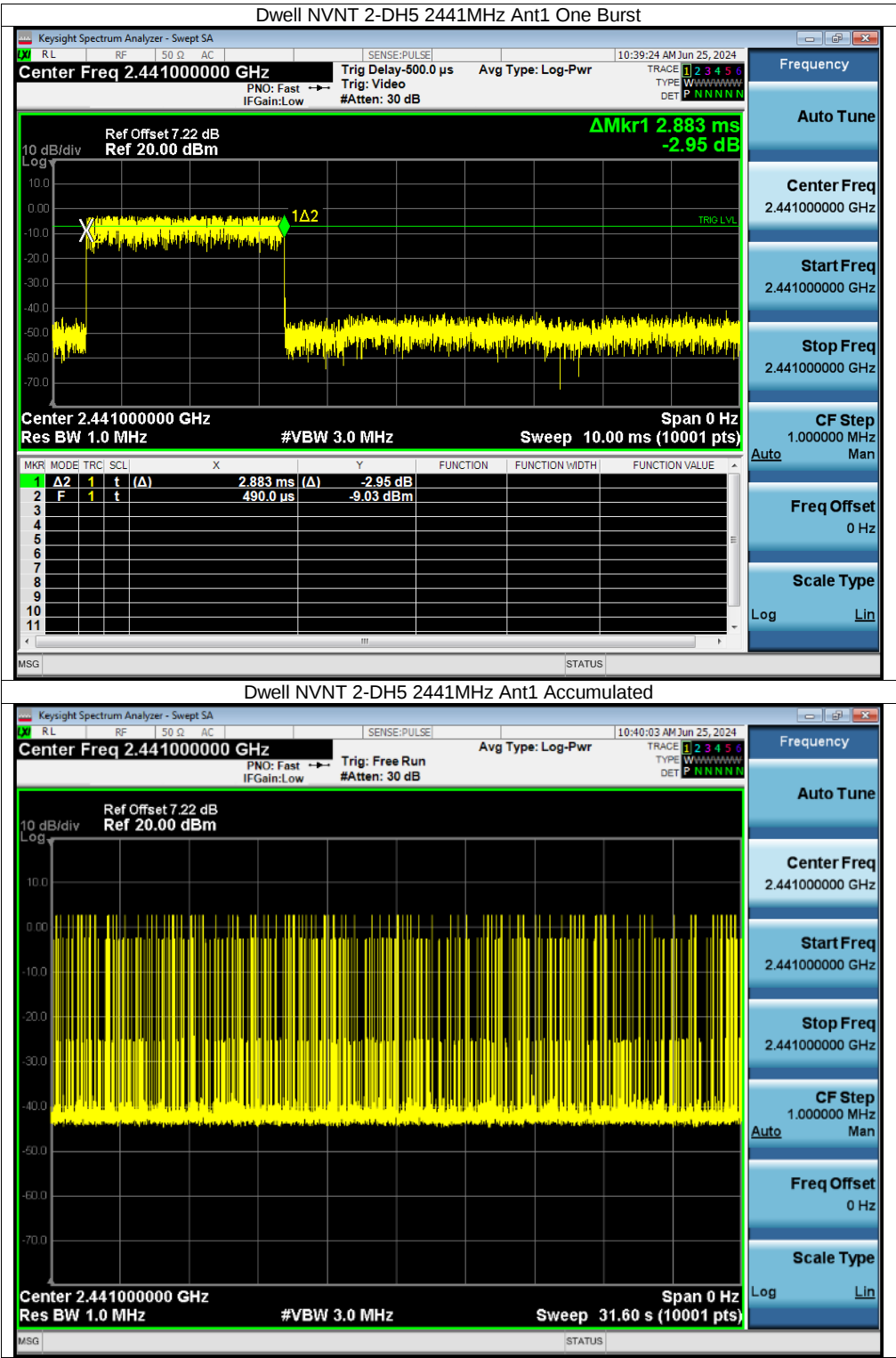
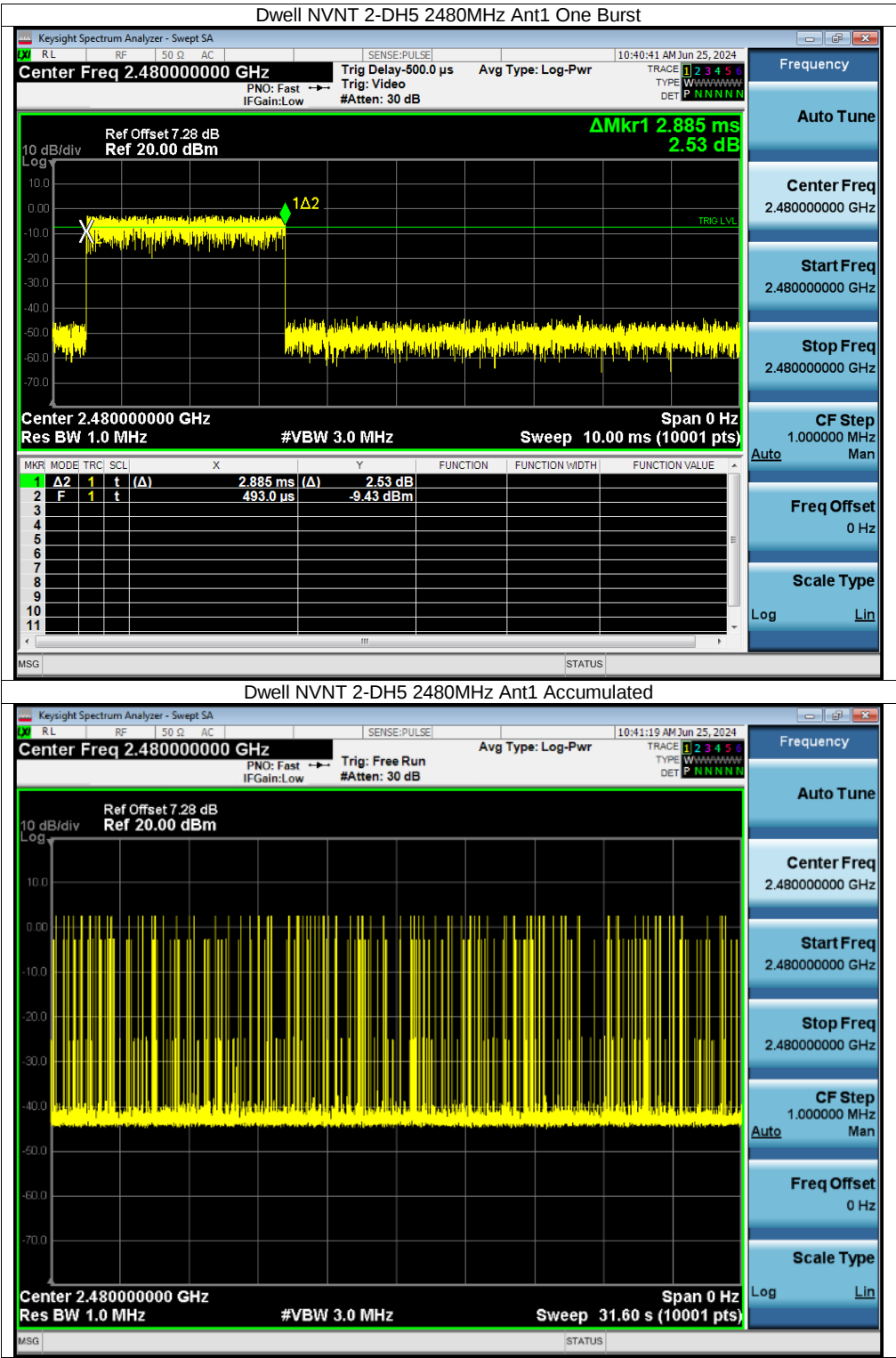
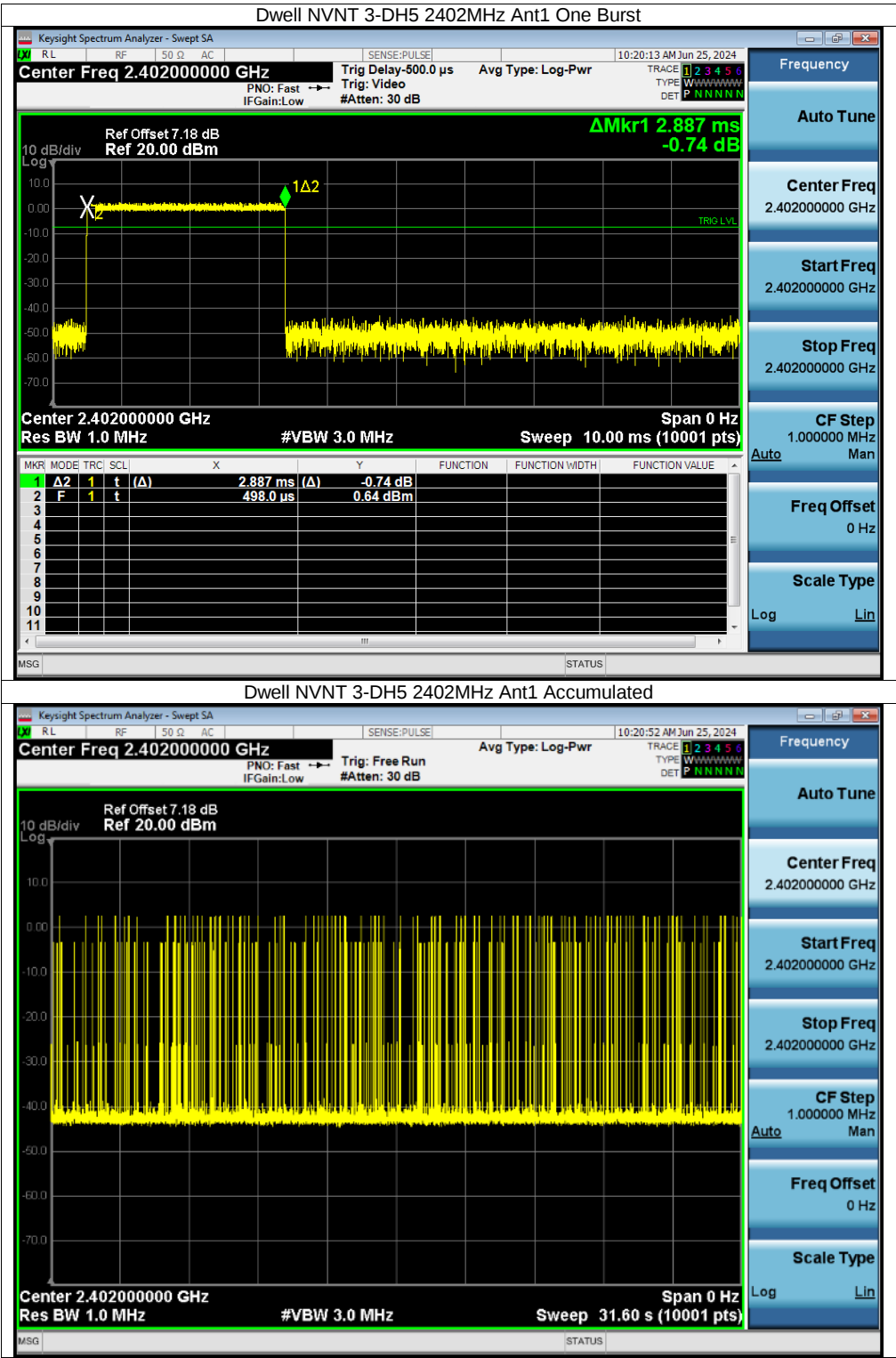








Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.402000000 GHz

Trig: Free Run

Avg Type: Log-Pwr

Trig: Fast

IFGain:Low

#Atten: 30 dB

10:20:52 AM Jun 25, 2024

TRACE 1 2 3 4 5 6

TYPE W W W W W W W W

DET P N N N N N

Ref Offset 7.18 dB

Ref 20.00 dBm

10 dB/div

Log

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

-70.0

Center 2.402000000 GHz

Res BW 1.0 MHz

#VBW 3.0 MHz

Sweep 31.60 s (10001 pts)

Span 0 Hz

MSG

STATUS

Frequency

Auto Tune

Center Freq
2.402000000 GHz

Start Freq
2.402000000 GHz

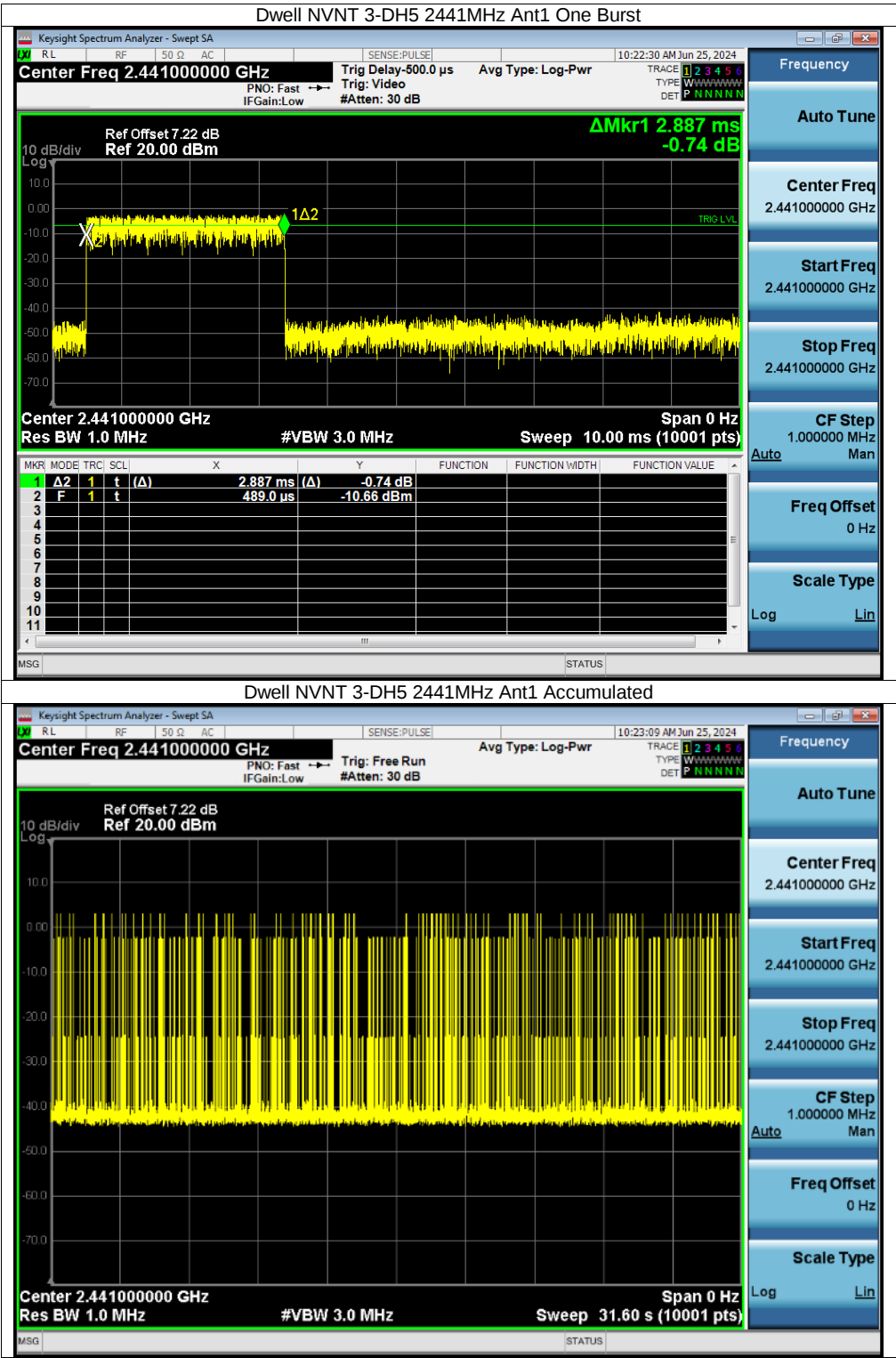
Stop Freq
2.402000000 GHz

CF Step
1.000000 MHz

Auto Man

Freq Offset
0 Hz

Scale Type
Log Lin



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

Trig: Free Run

Avg Type: Log-Pwr

10:23:09 AM Jun 25, 2024

Trig: Free Run

PNO: Fast

IFGain:Low

#Atten: 30 dB

TRAC 1 2 3 4 5 6

TYPE W W W W W W W W

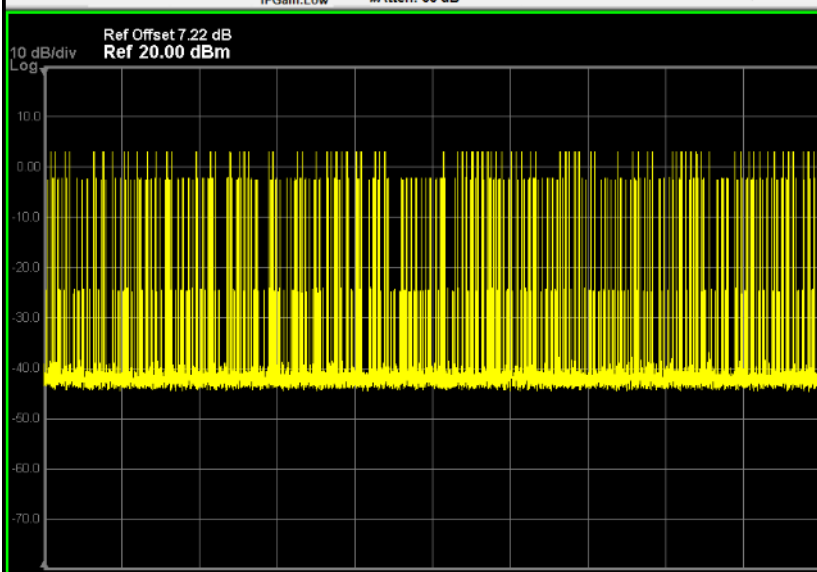
DET P N N N N N

Ref Offset 7.22 dB

Ref 20.00 dBm

10 dB/div

Log



Center 2.441000000 GHz

Res BW 1.0 MHz

#VBW 3.0 MHz

Span 0 Hz

Sweep 31.60 s (10001 pts)

MSG

STATUS

Frequency

Auto Tune

Center Freq
2.441000000 GHz

Start Freq
2.441000000 GHz

Stop Freq
2.441000000 GHz

CF Step
1.000000 MHz

Auto

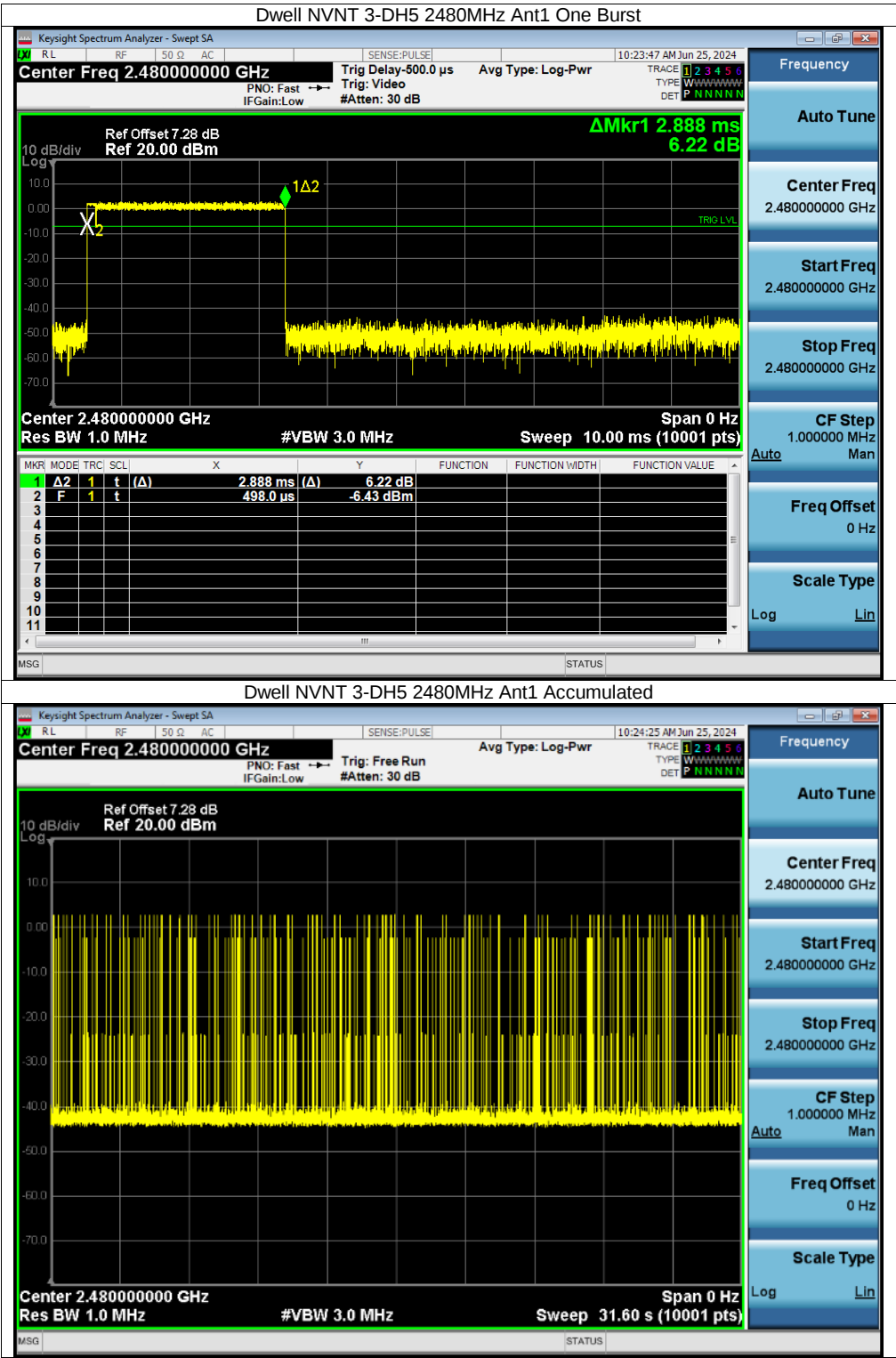
Man

Freq Offset
0 Hz

Scale Type

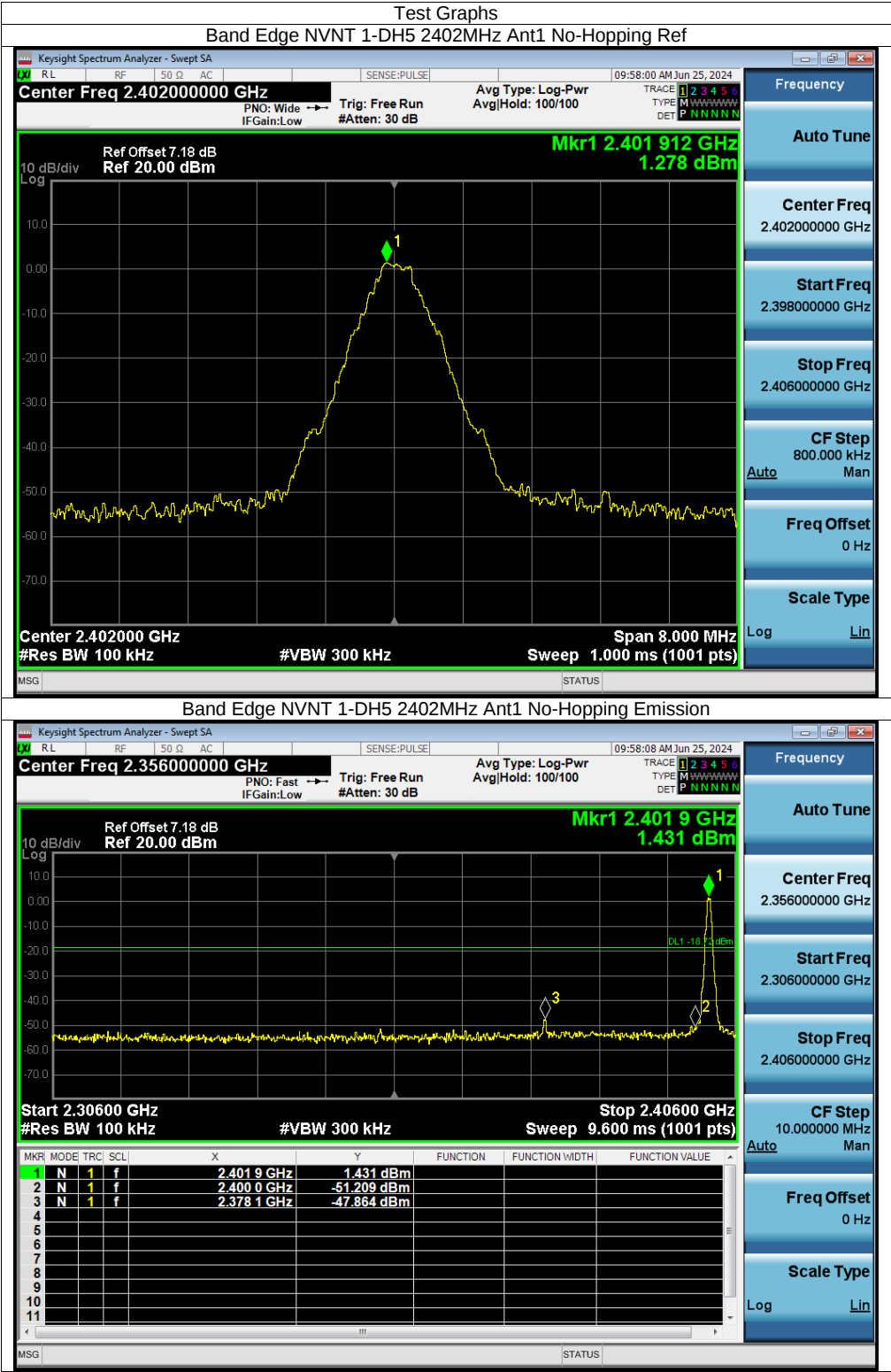
Log

Lin



Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-49.138	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-51.492	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-49.671	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-51.006	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-49.619	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-52.356	-20	Pass



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

Keysight Spectrum Analyzer - Swept SA

RLRF50ΩACSENSE:PULSE

09:58:08 AM Jun 25, 2024

Center Freq 2.356000000 GHz

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

IFGain:Low #Atten: 30 dB AvgHld: 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 7.18 dB

Ref 20.00 dBm

Mkr1 2.401 9 GHz

1.431 dBm

Start 2.30600 GHz

#Res BW 100 kHz

#VBW 300 kHz

Stop 2.40600 GHz

Sweep 9.600 ms (1001 pts)

MSGSTATUS

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

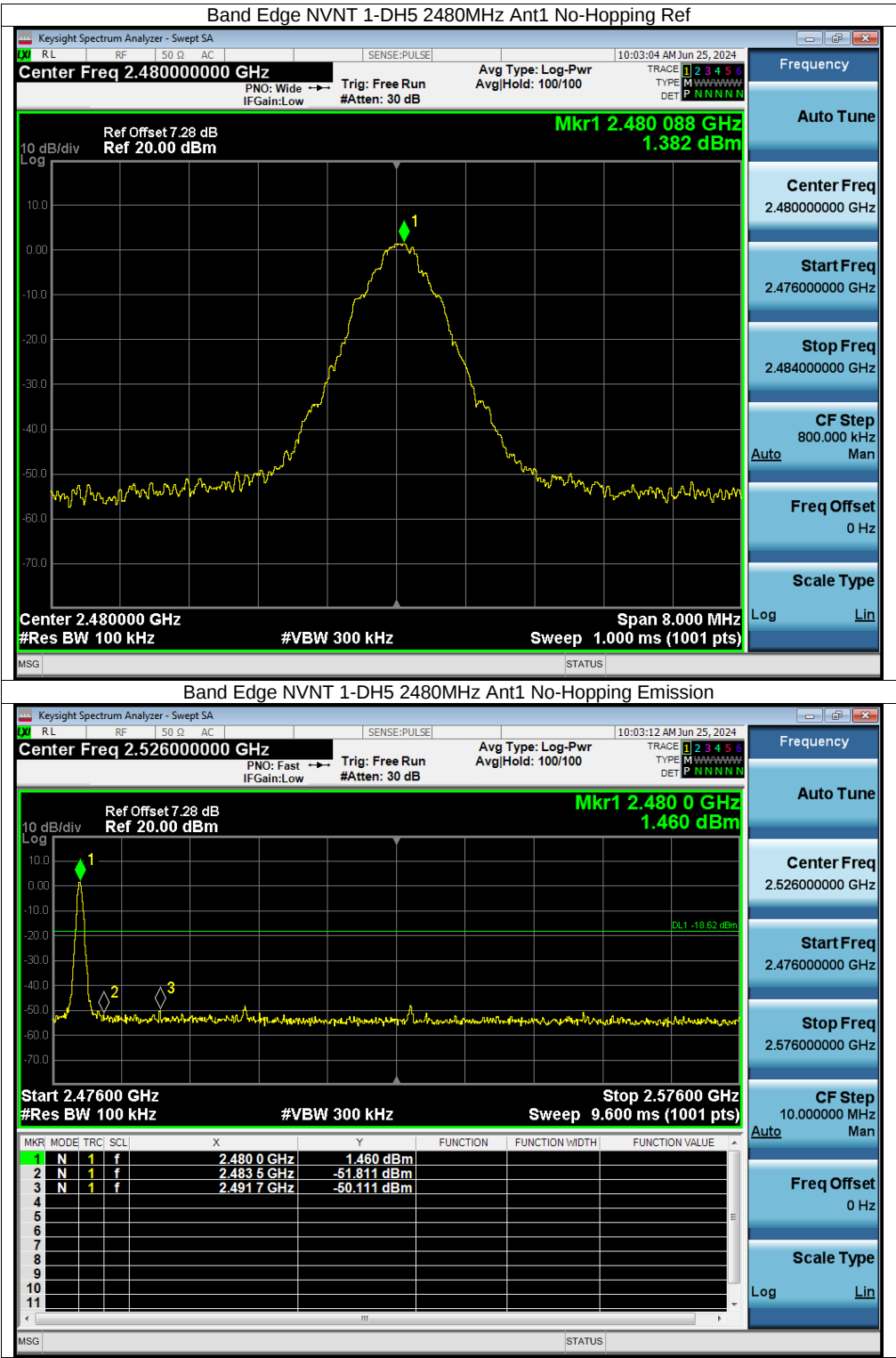
Freq Offset

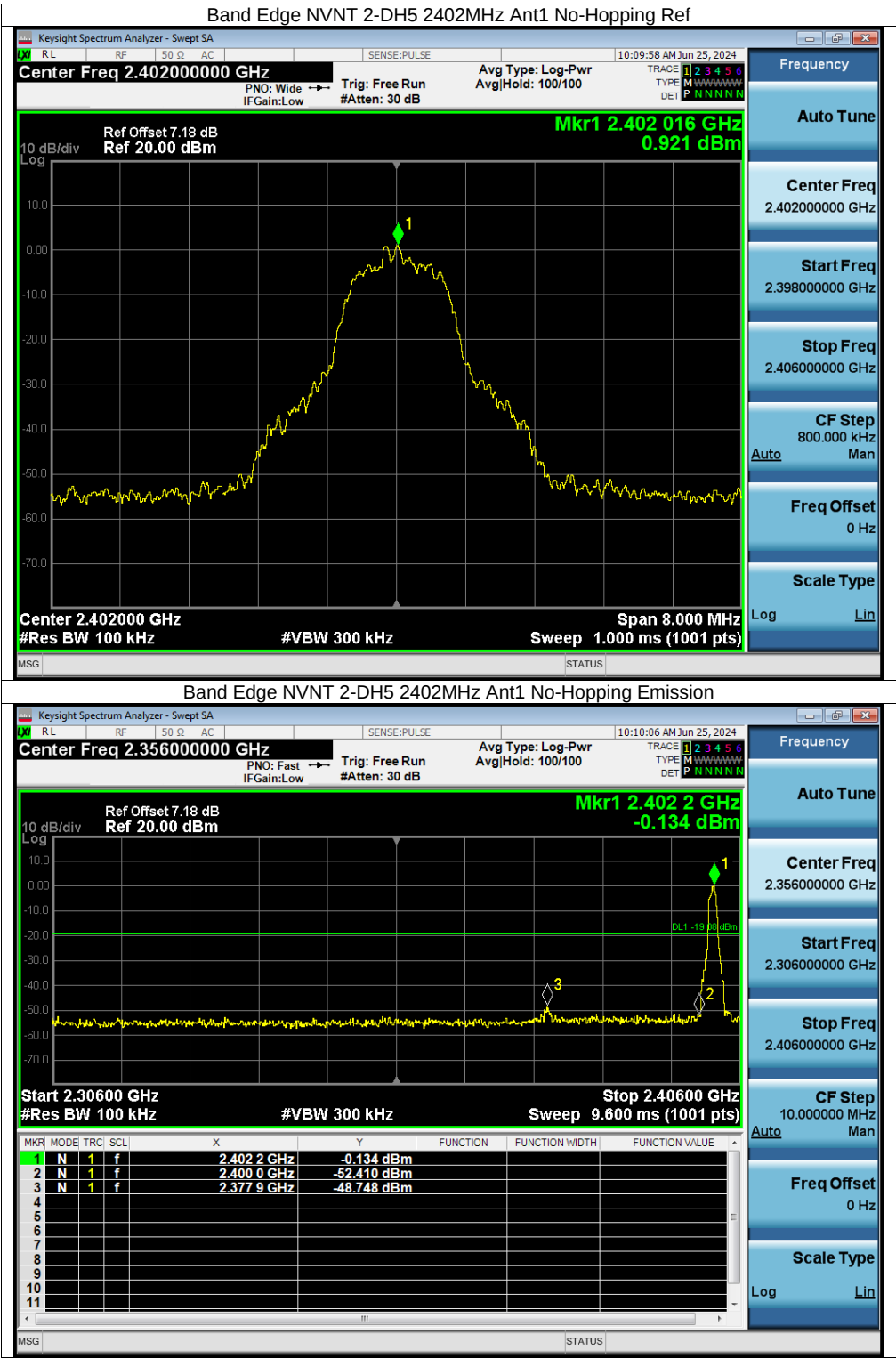
0 Hz

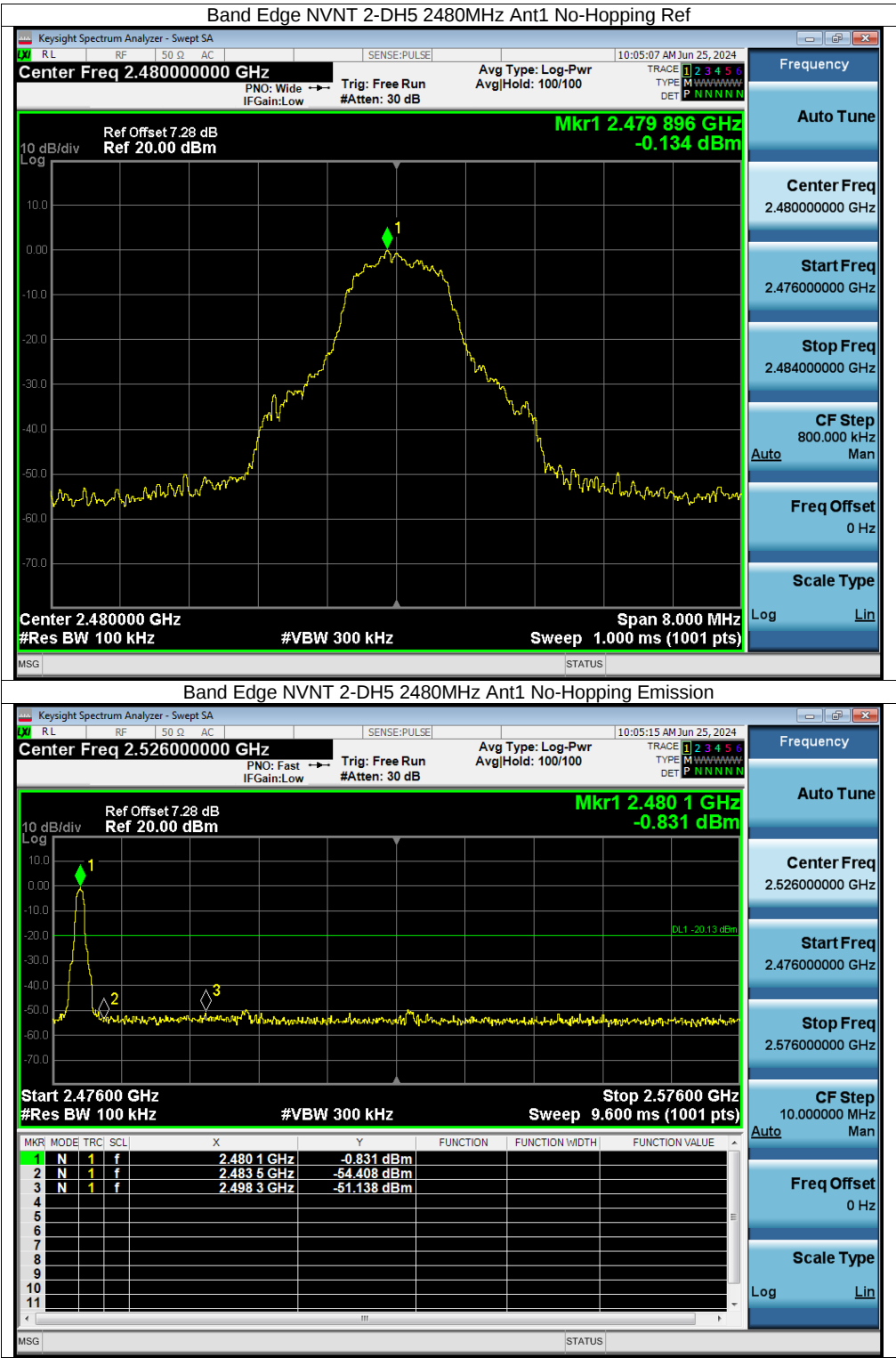
Scale Type

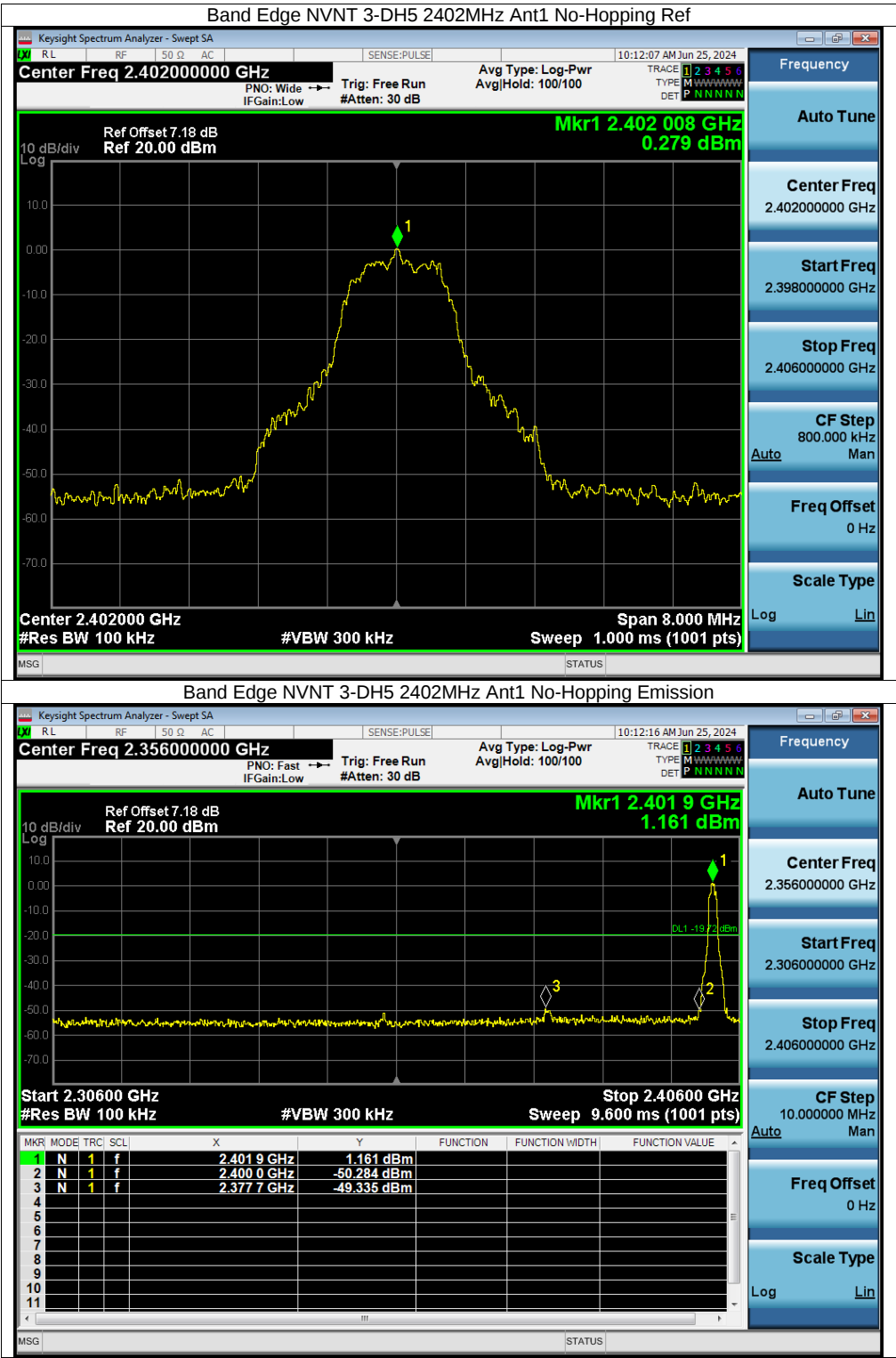
Log

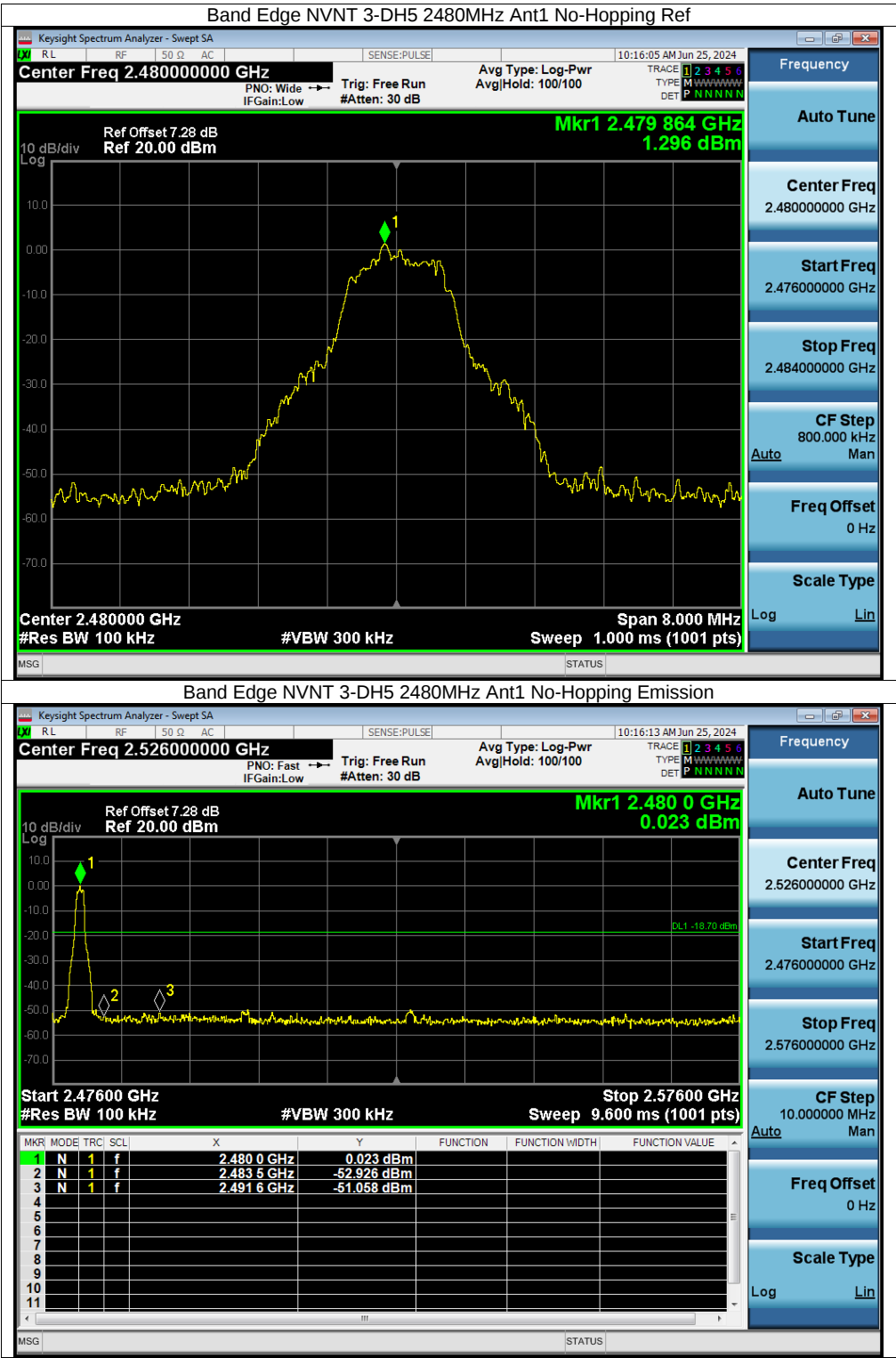
Lin





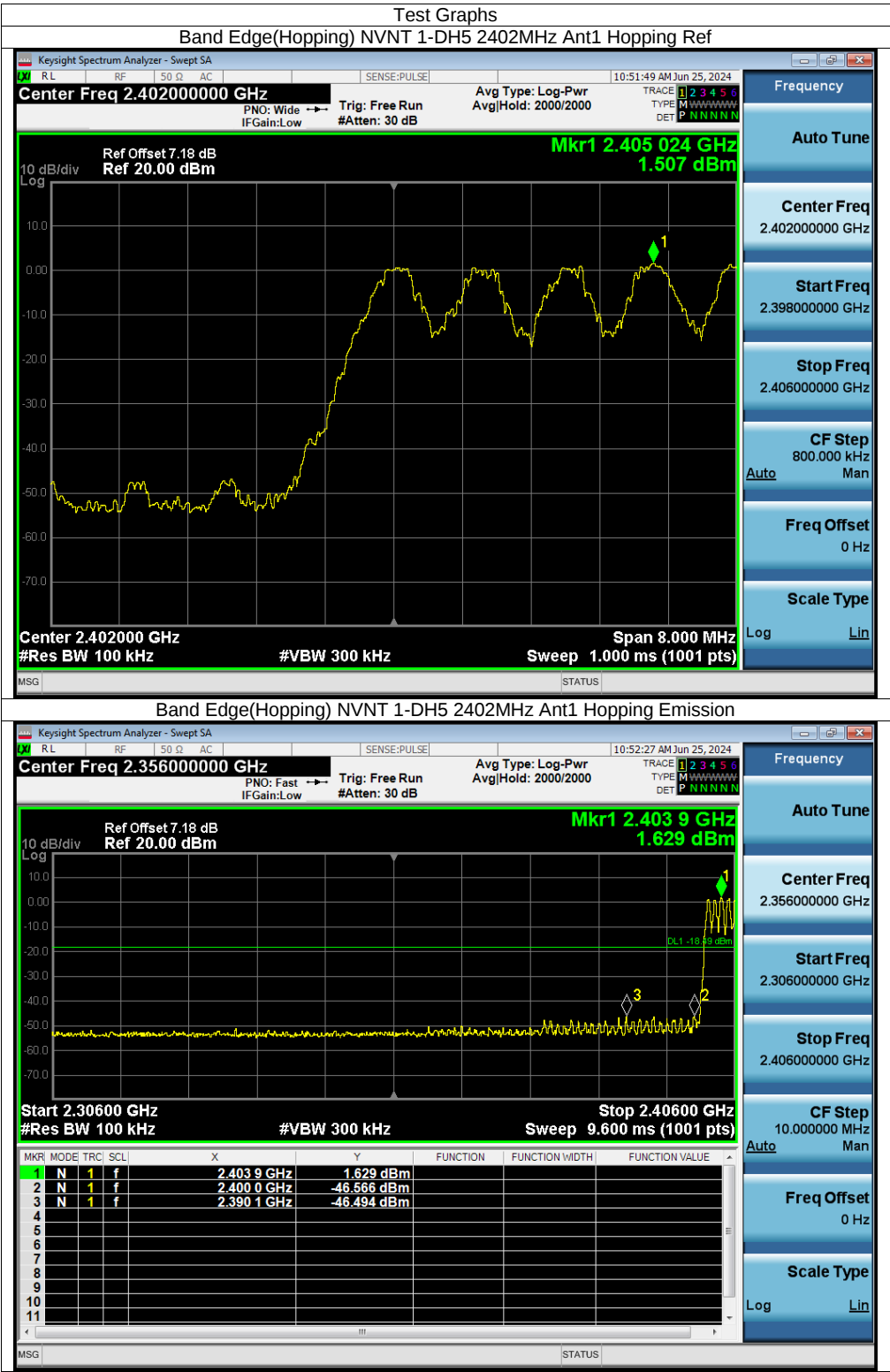






Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-47.997	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-47.45	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-48.29	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-49.131	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-48.799	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-48.607	-20	Pass



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

Keysight Spectrum Analyzer - Swept SA

RLRF50ΩACSENSE:PULSE

10:52:27 AM Jun 25, 2024

Center Freq 2.356000000 GHz

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

IFGain:Low #Atten: 30 dB AvgHld: 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 7.18 dB

Ref 20.00 dBm

Mkr1 2.403 9 GHz

1.629 dBm

Start 2.30600 GHz Stop 2.40600 GHz

#Res BW 100 kHz #VBW 300 kHz 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

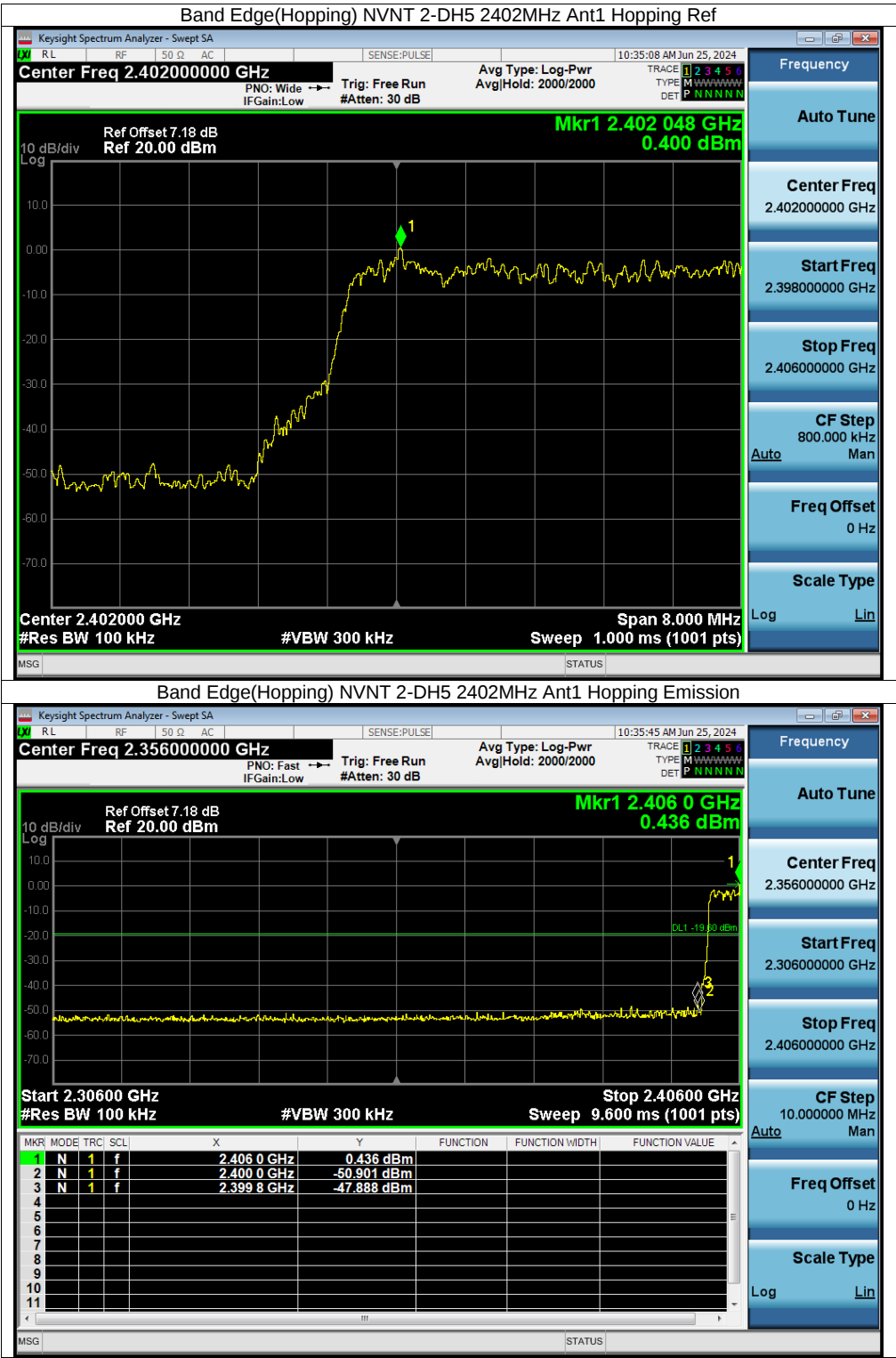
CF Step 10.000000 MHz

Auto Man

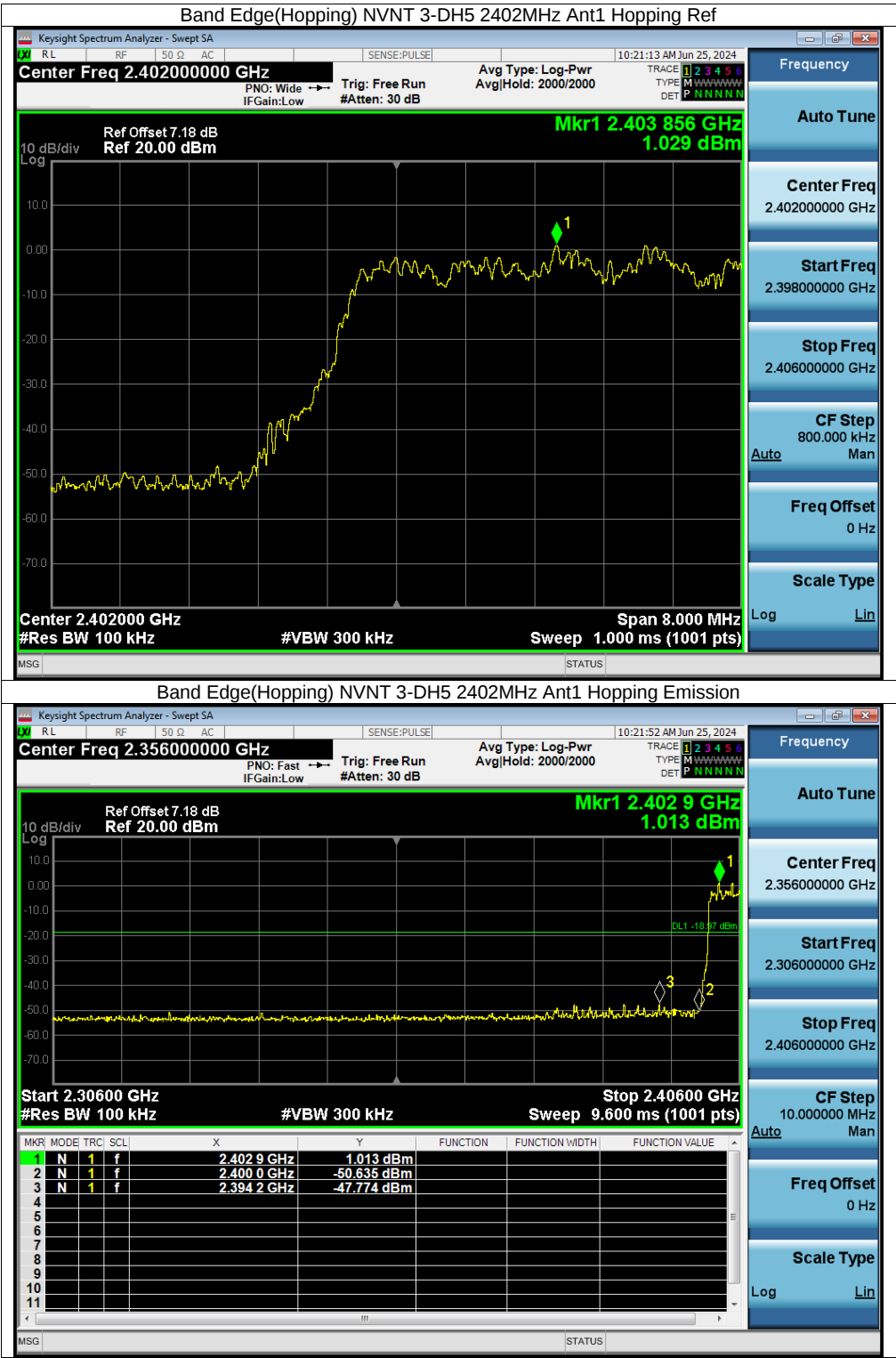
Freq Offset 0 Hz

Scale Type Log Lin





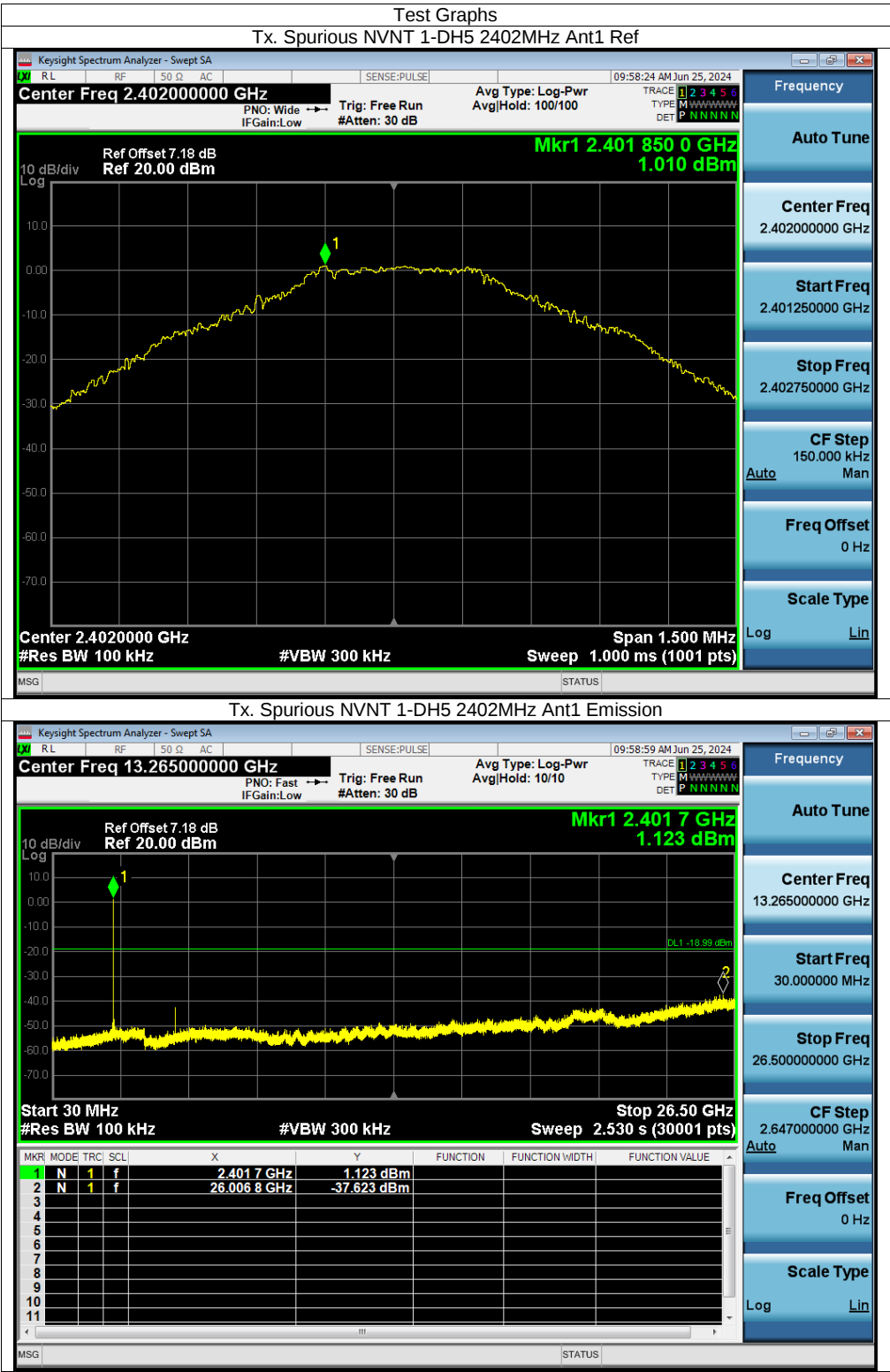


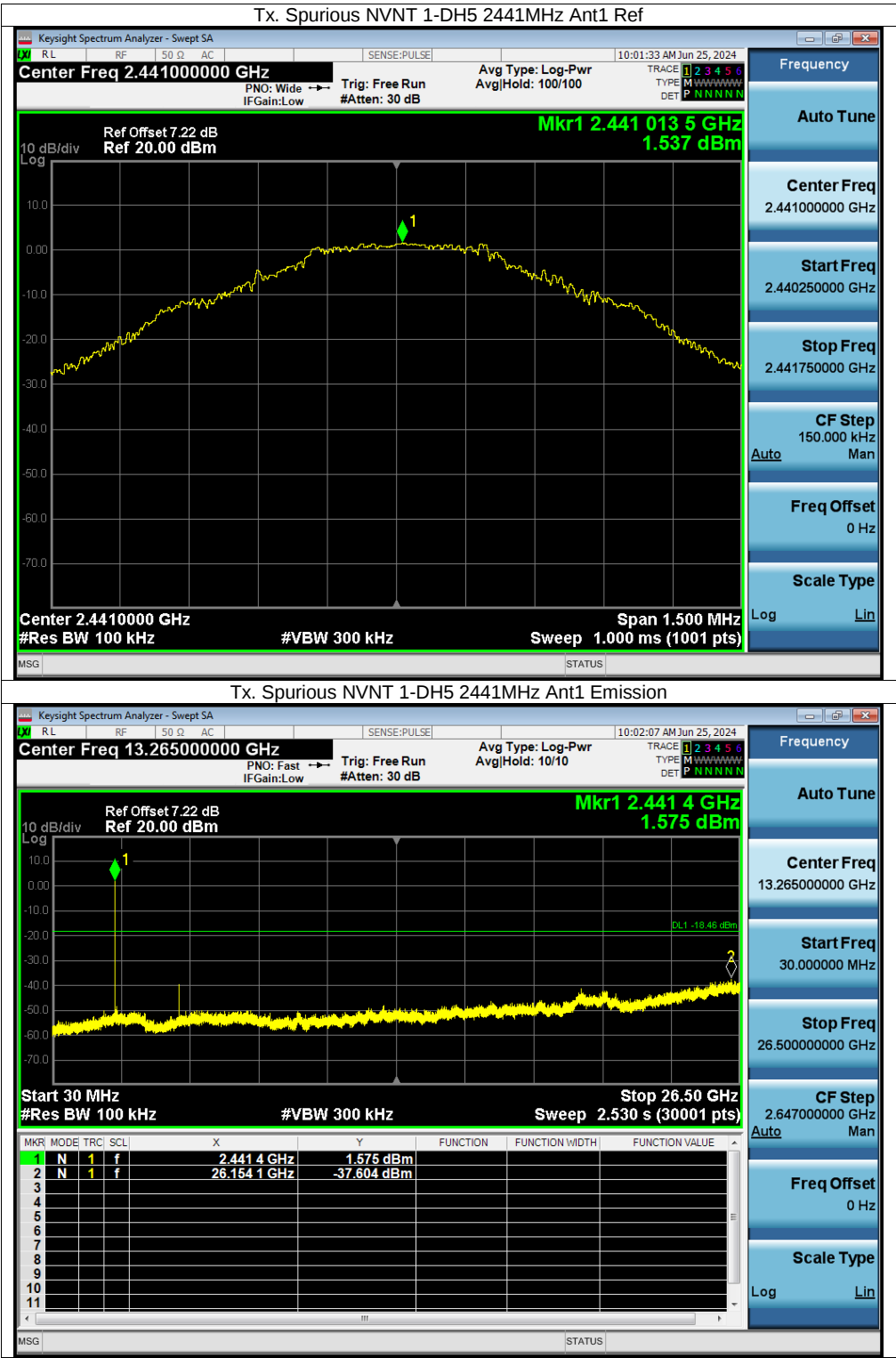


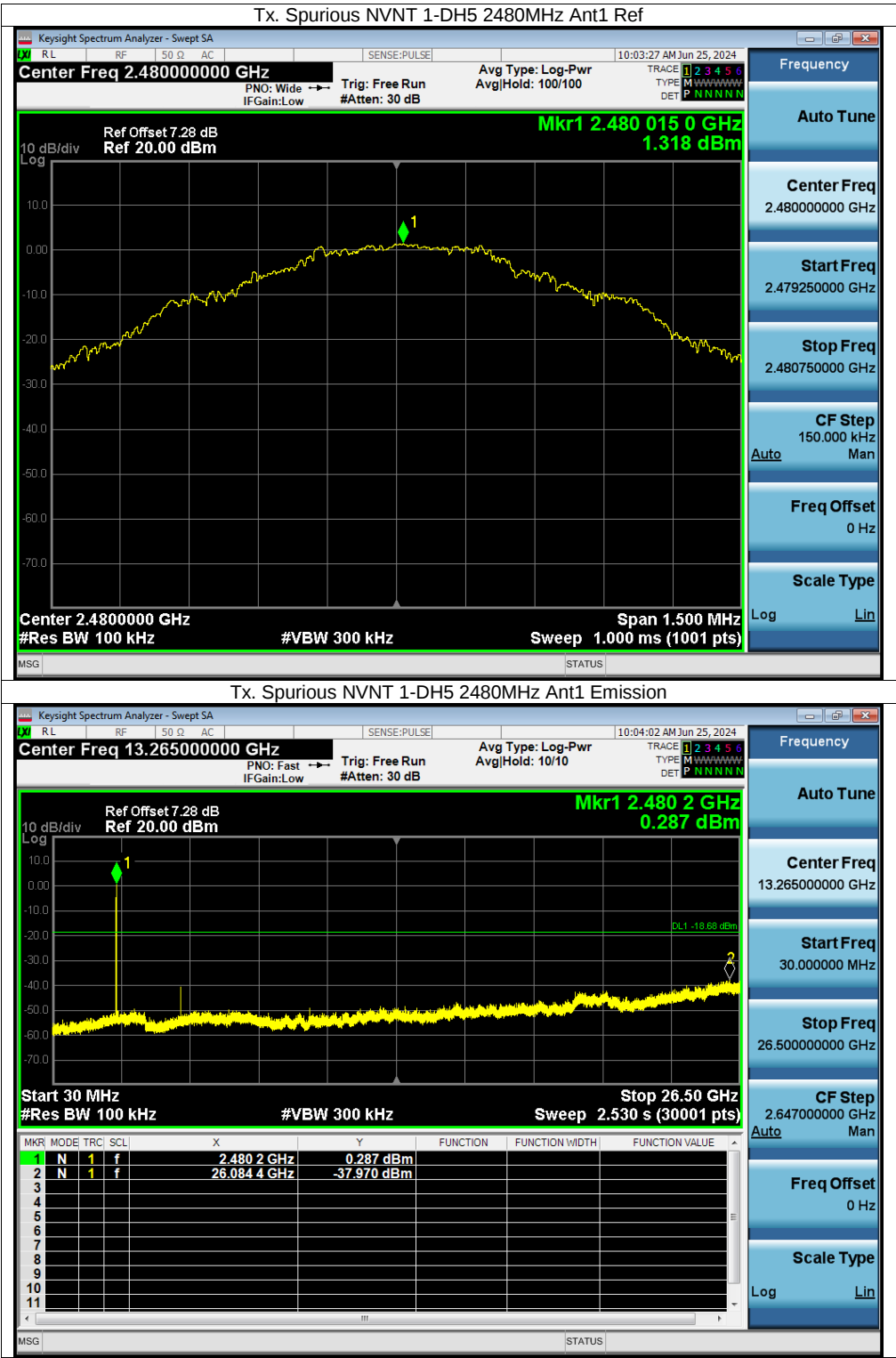


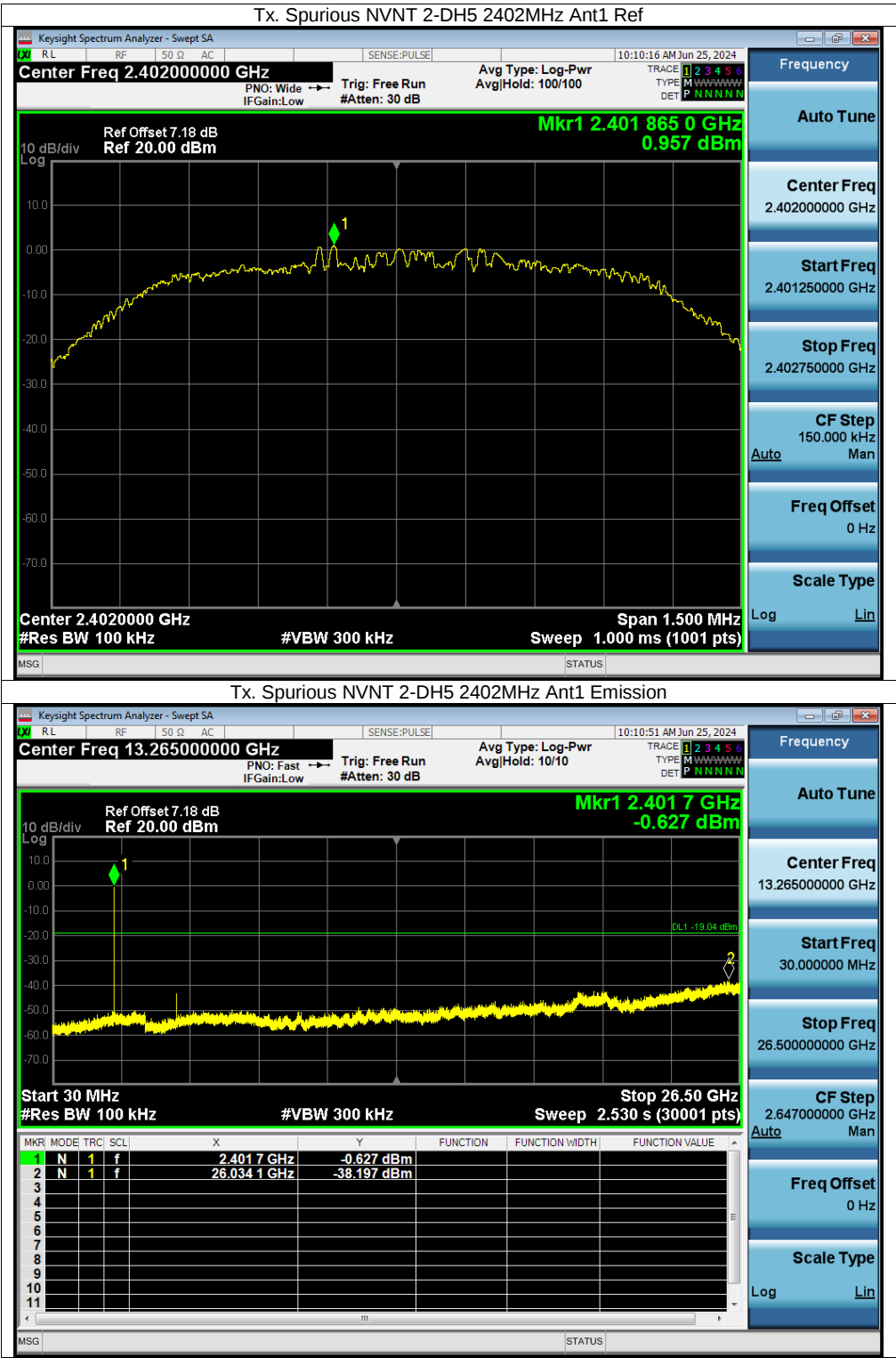
Conducted RF Spurious Emission

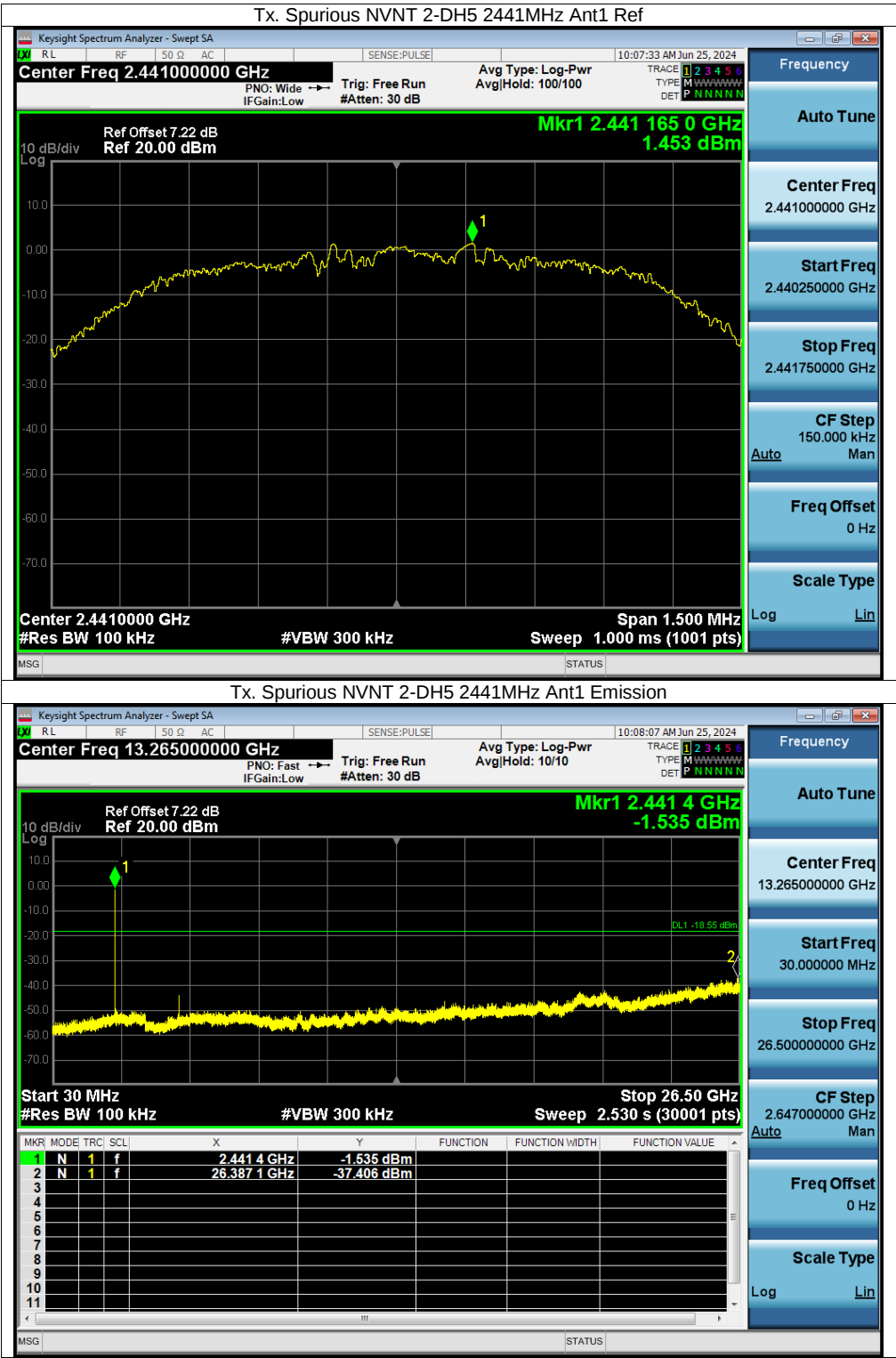
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-38.63	-20	Pass
NVNT	1-DH5	2441	Ant1	-39.14	-20	Pass
NVNT	1-DH5	2480	Ant1	-39.29	-20	Pass
NVNT	2-DH5	2402	Ant1	-39.16	-20	Pass
NVNT	2-DH5	2441	Ant1	-38.86	-20	Pass
NVNT	2-DH5	2480	Ant1	-39.1	-20	Pass
NVNT	3-DH5	2402	Ant1	-38.98	-20	Pass
NVNT	3-DH5	2441	Ant1	-38.99	-20	Pass
NVNT	3-DH5	2480	Ant1	-38.41	-20	Pass

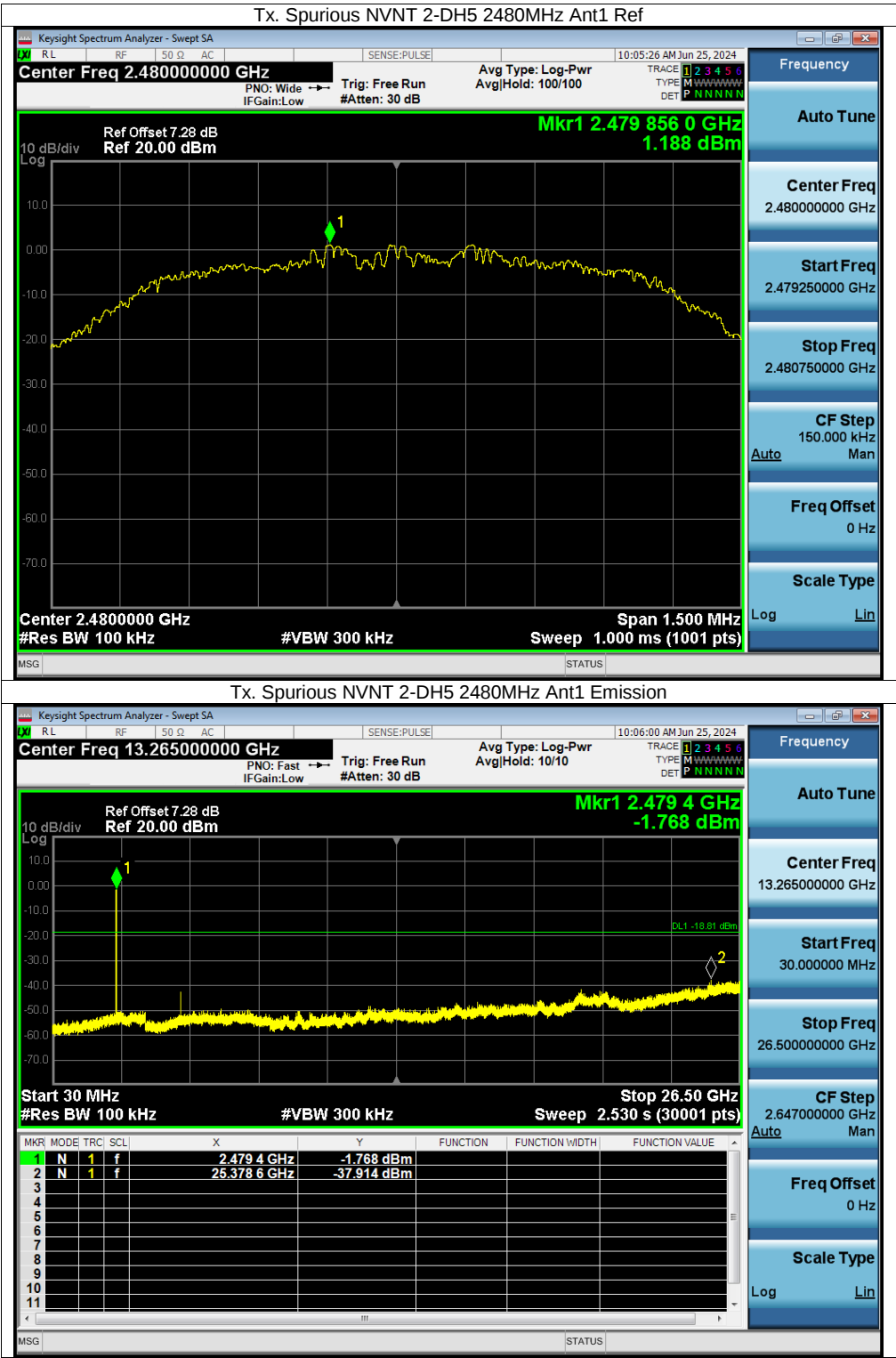


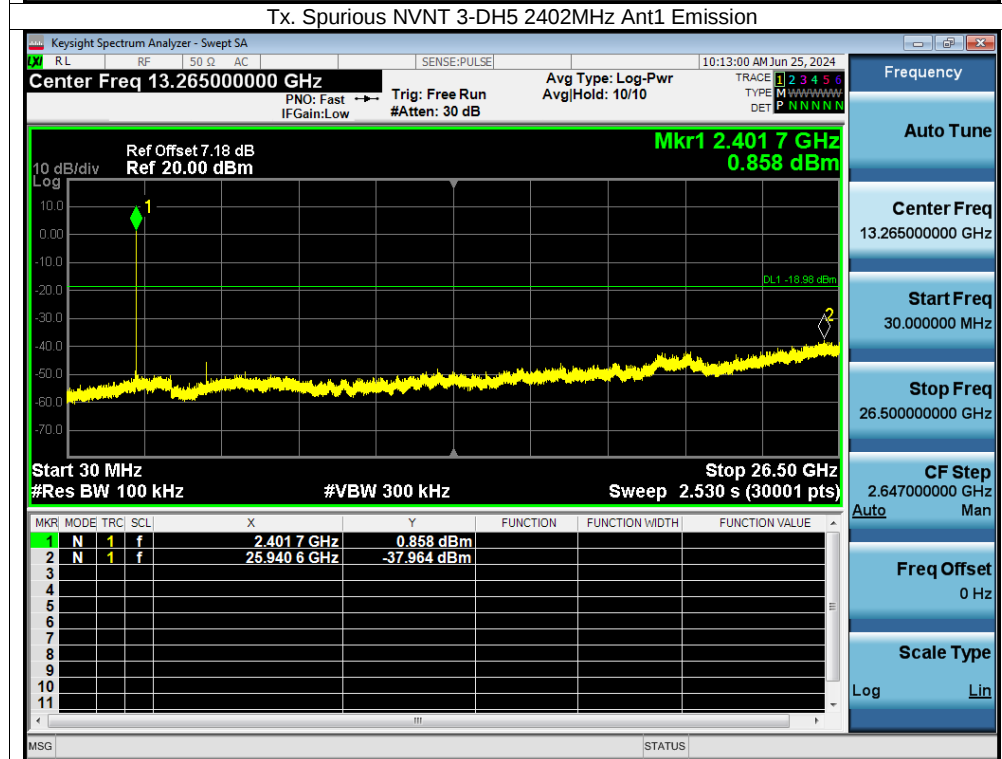


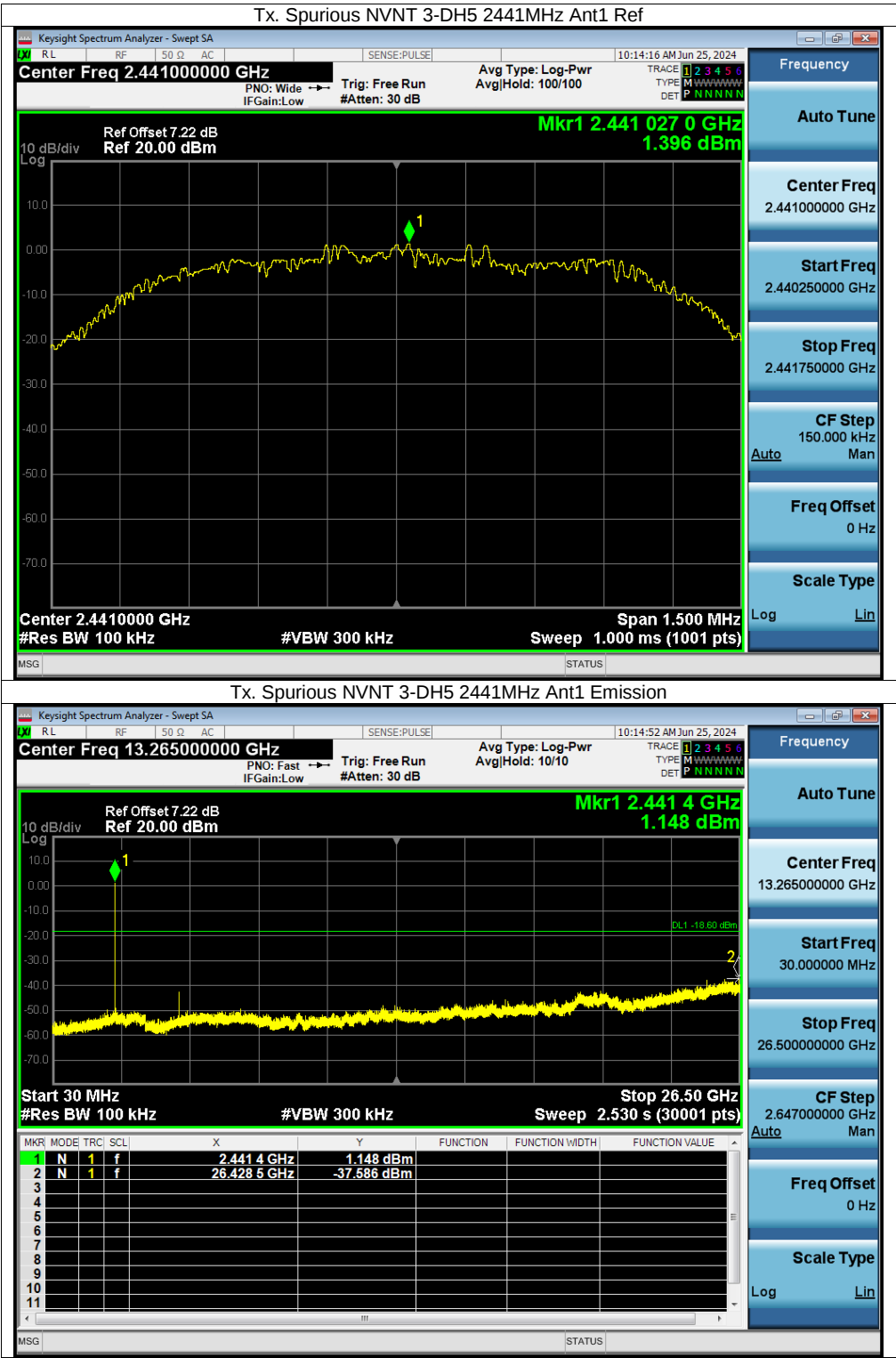


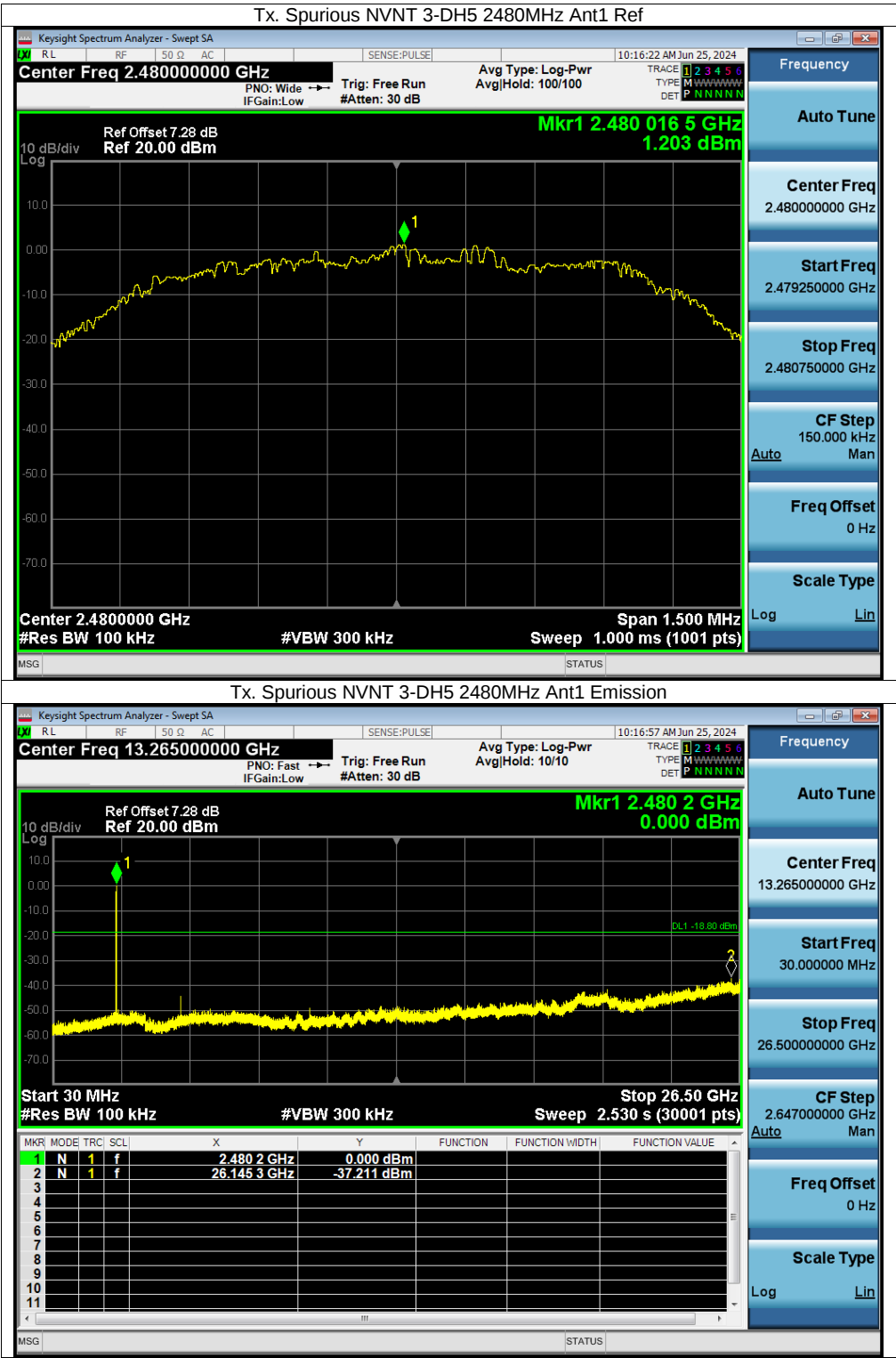










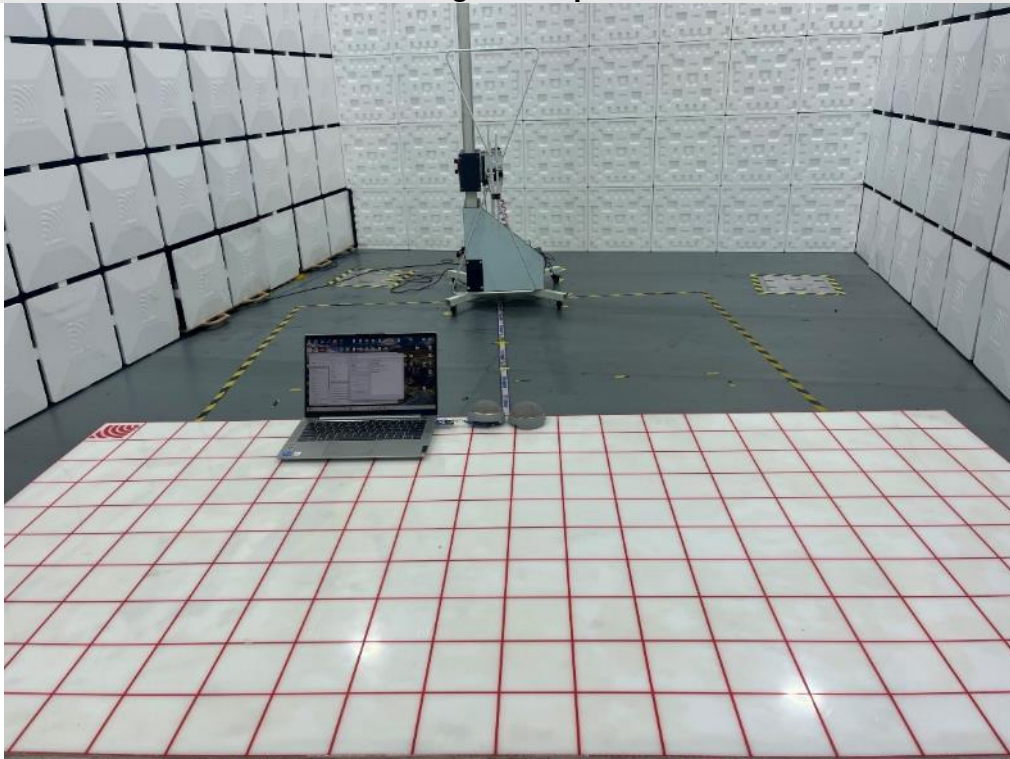


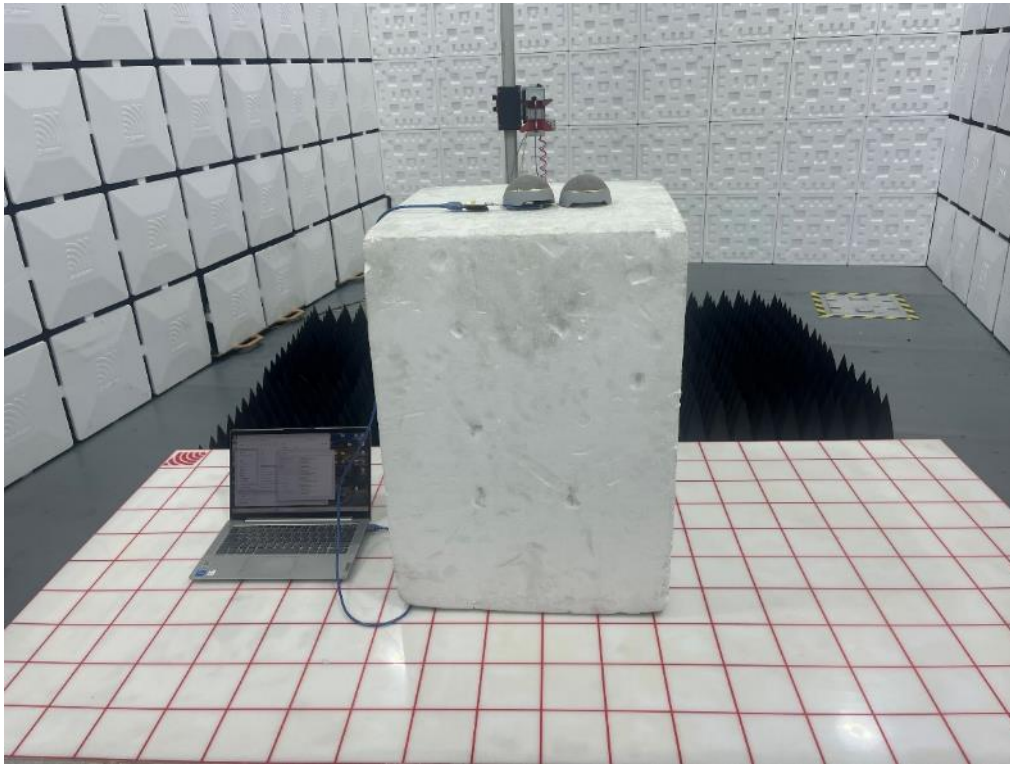
APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION

AC Power Line Conducted Emission



Radiated Band edge and Spurious Emission

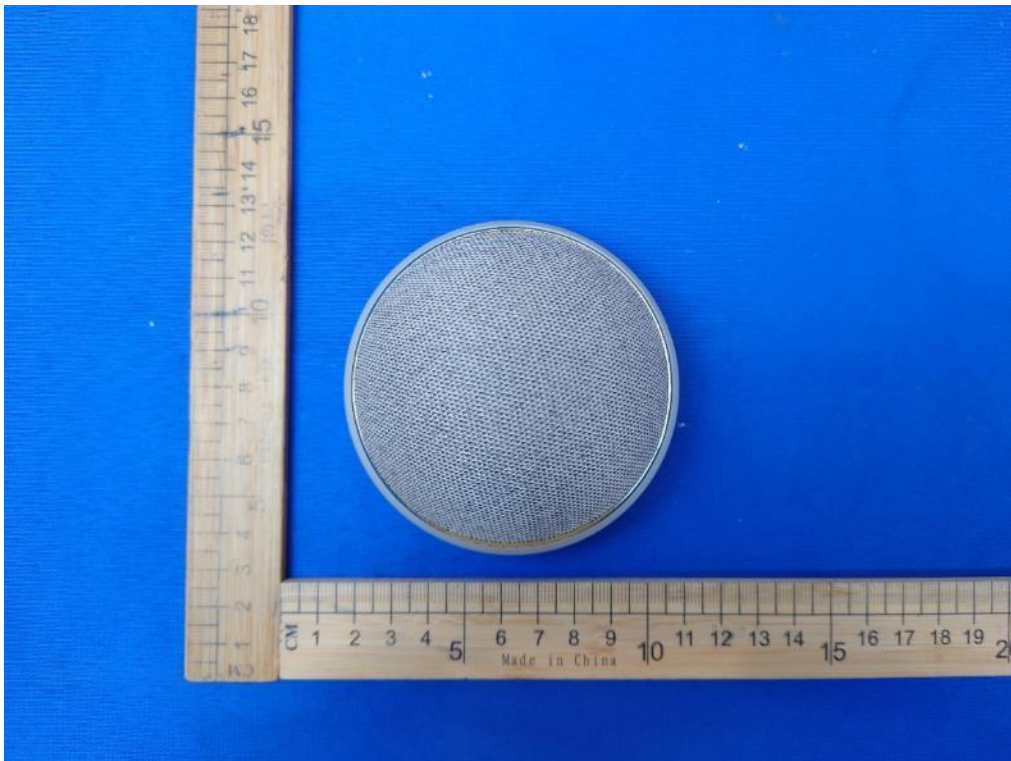


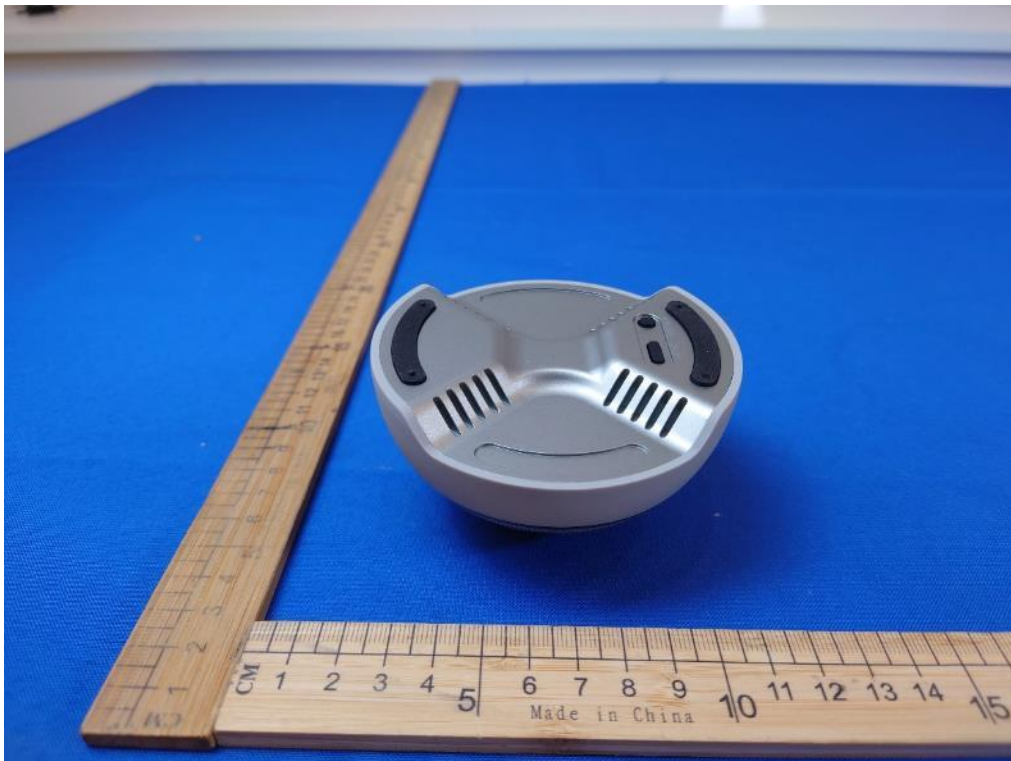


APPENDIX: PHOTOGRAPHS OF THE EUT

External



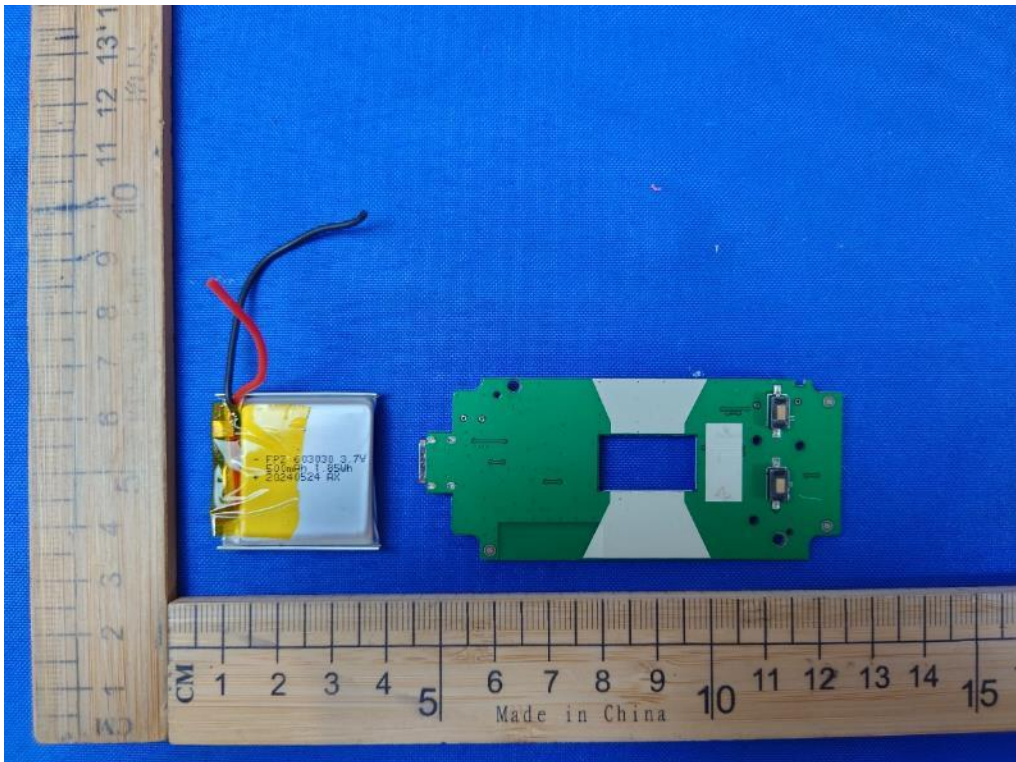
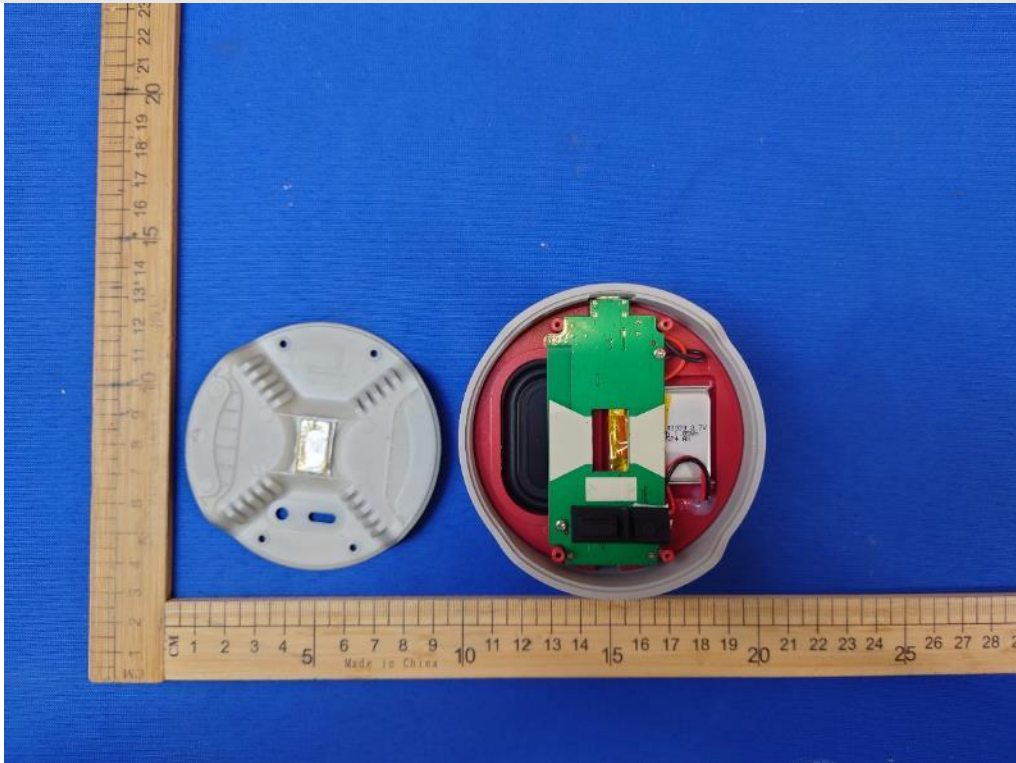


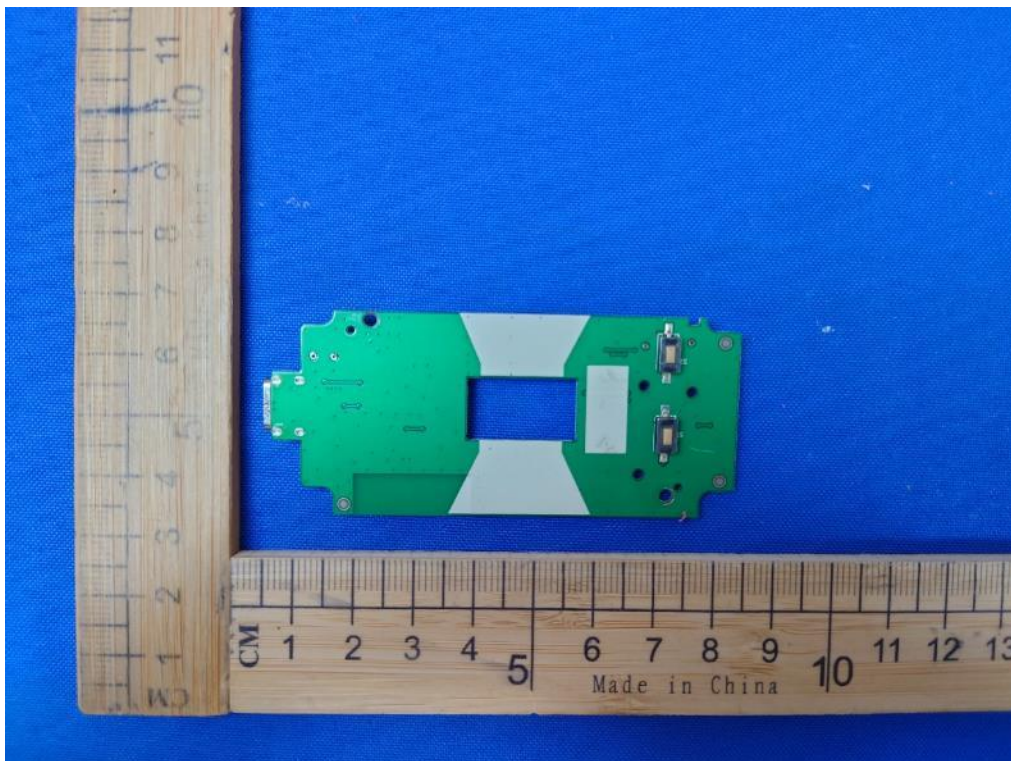
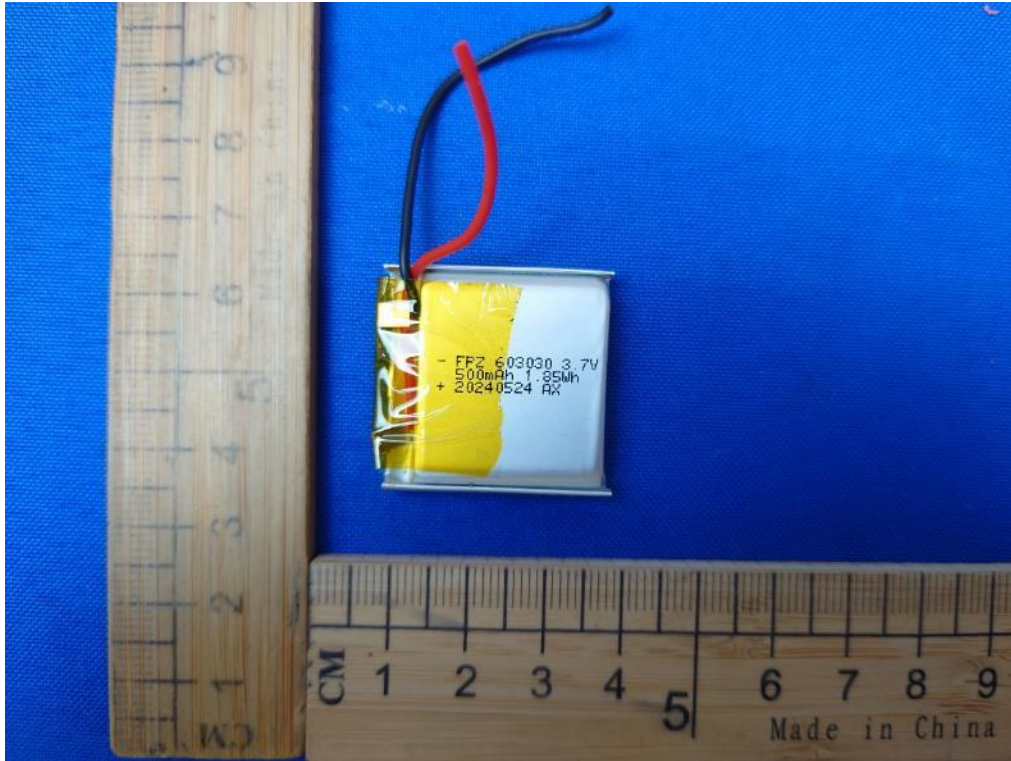


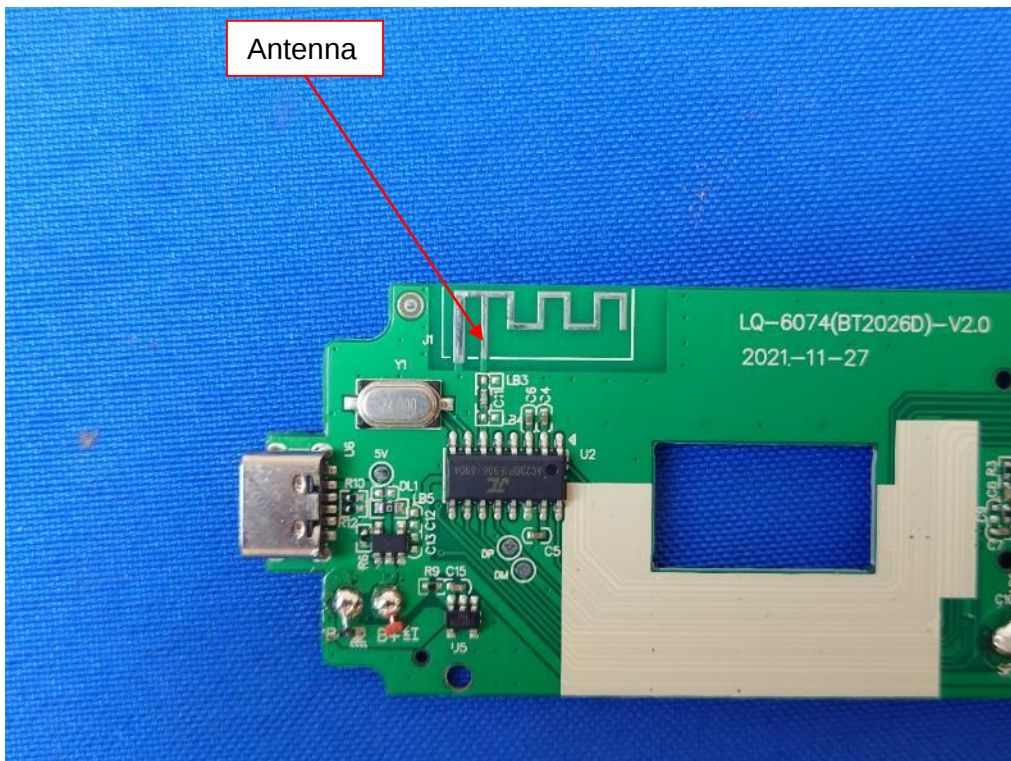
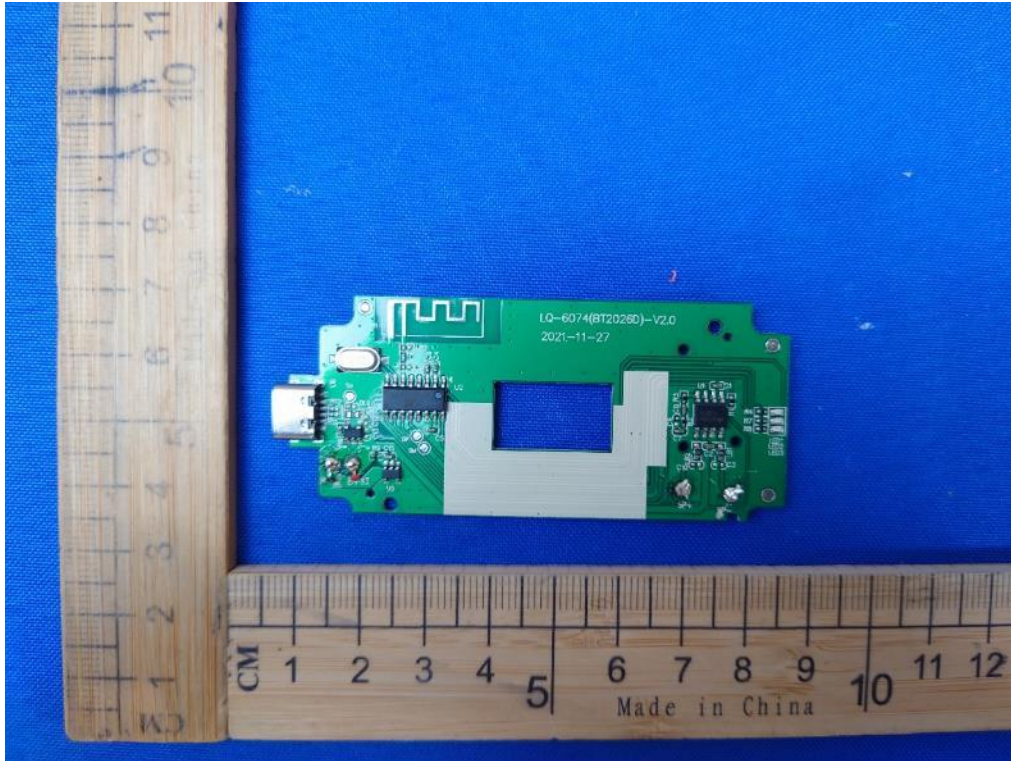




Internal







END OF REPORT