

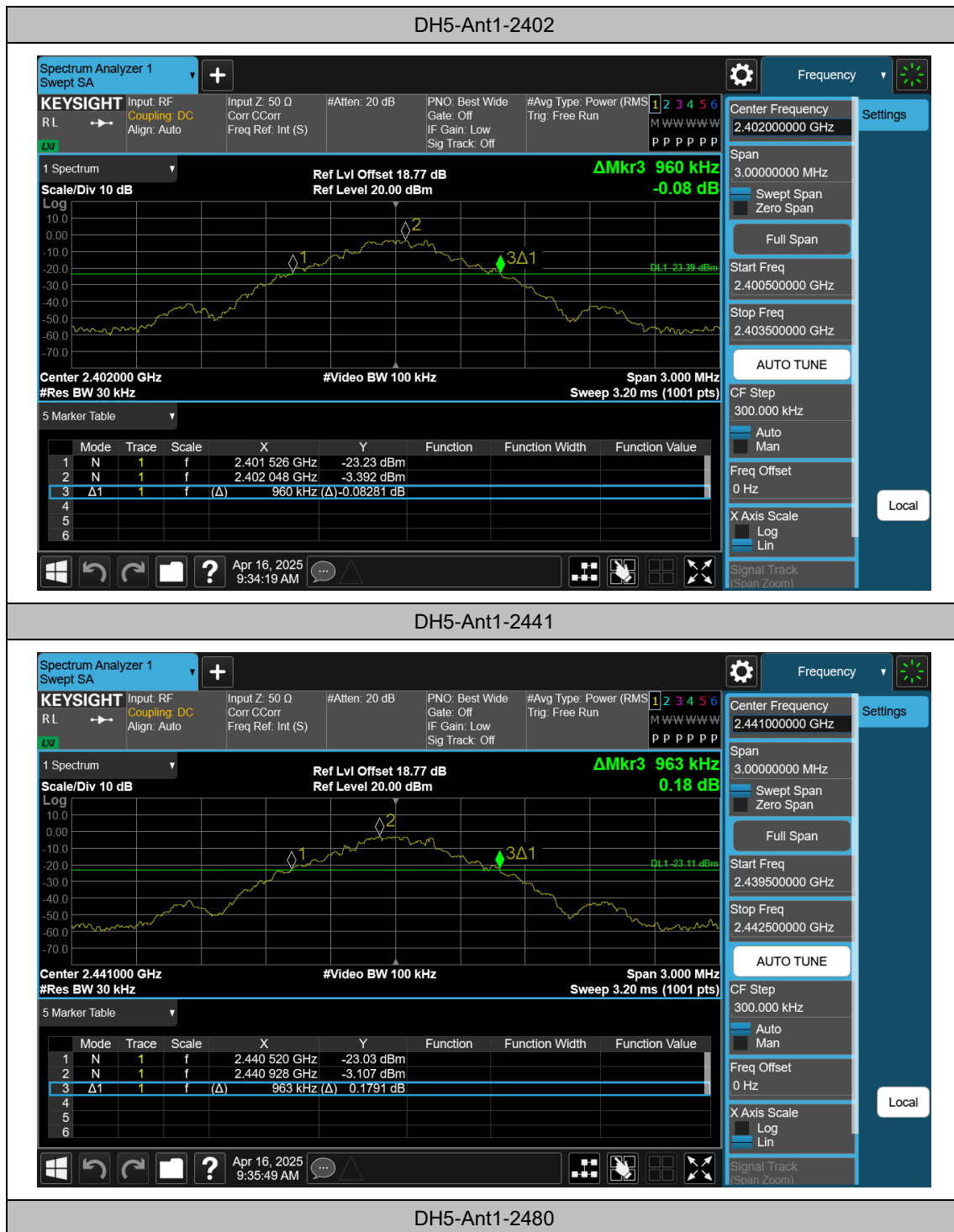
Appendix A: 20dB Emission Bandwidth

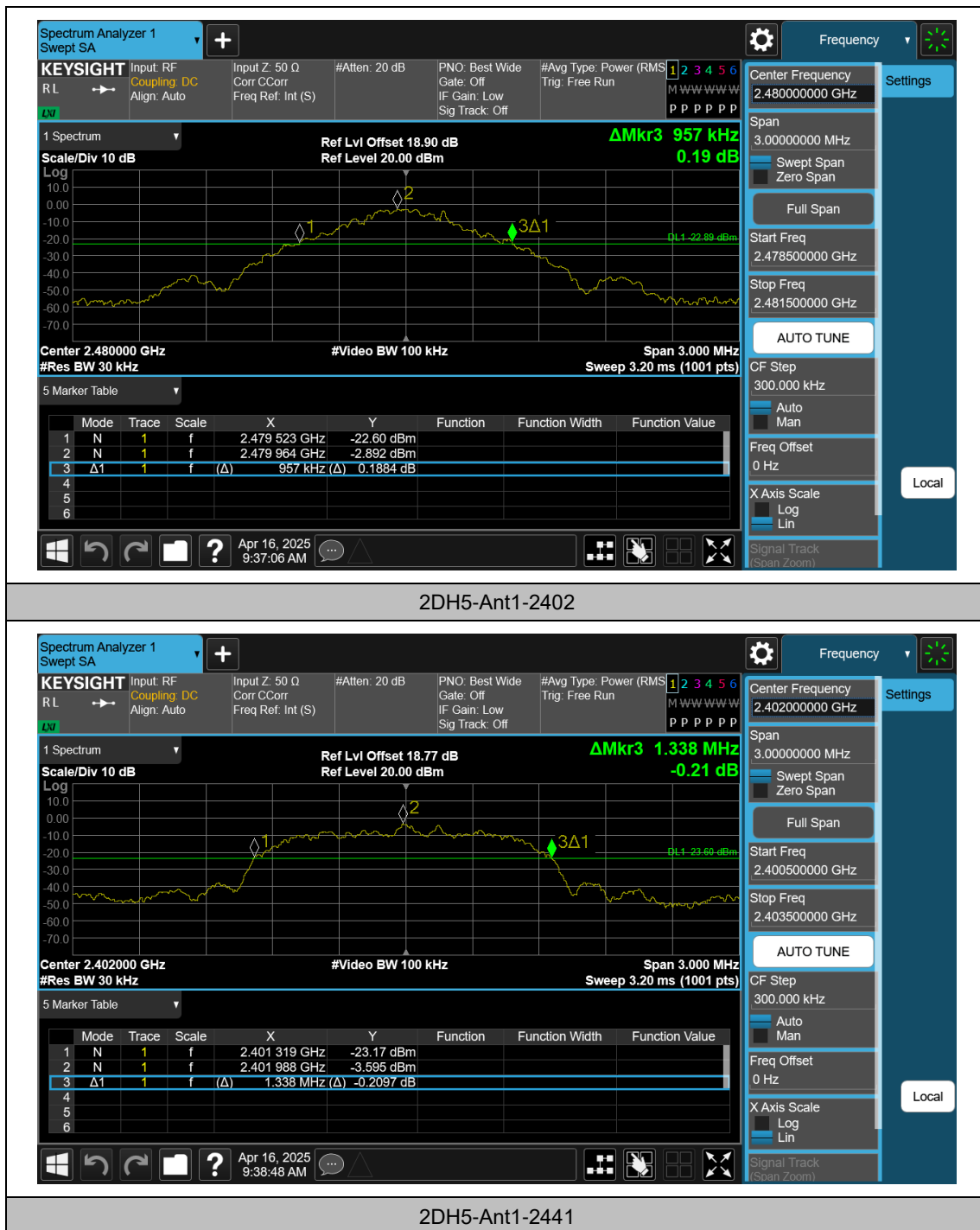
Test Result

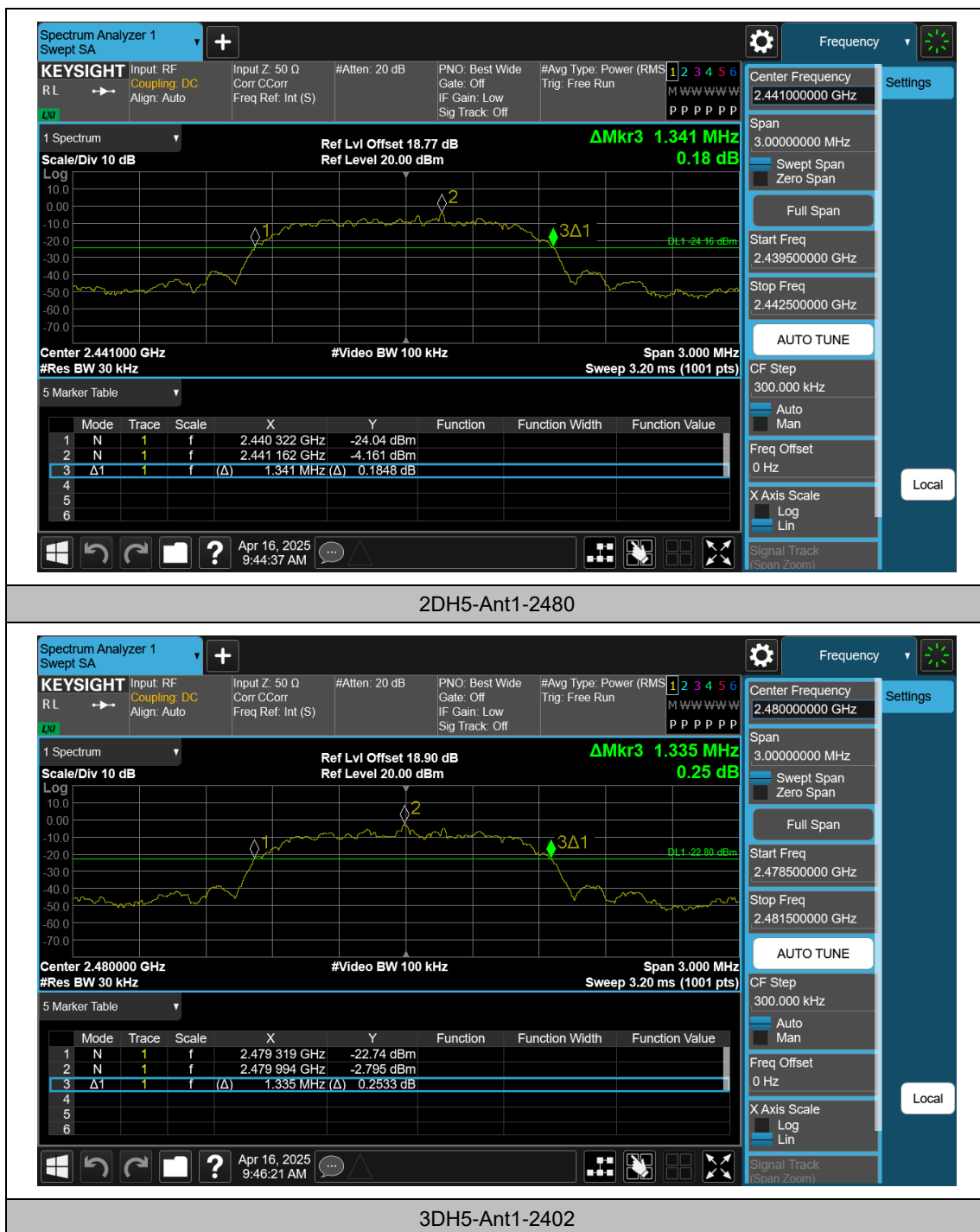
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.526	2402.486	---	---
DH5	Ant1	2441	0.963	2440.520	2441.483	---	---
DH5	Ant1	2480	0.957	2479.523	2480.480	---	---
2DH5	Ant1	2402	1.338	2401.319	2402.657	---	---
2DH5	Ant1	2441	1.341	2440.322	2441.663	---	---
2DH5	Ant1	2480	1.335	2479.319	2480.654	---	---
3DH5	Ant1	2402	1.305	2401.343	2402.648	---	---
3DH5	Ant1	2441	1.305	2440.346	2441.651	---	---
3DH5	Ant1	2480	1.287	2479.346	2480.633	---	---

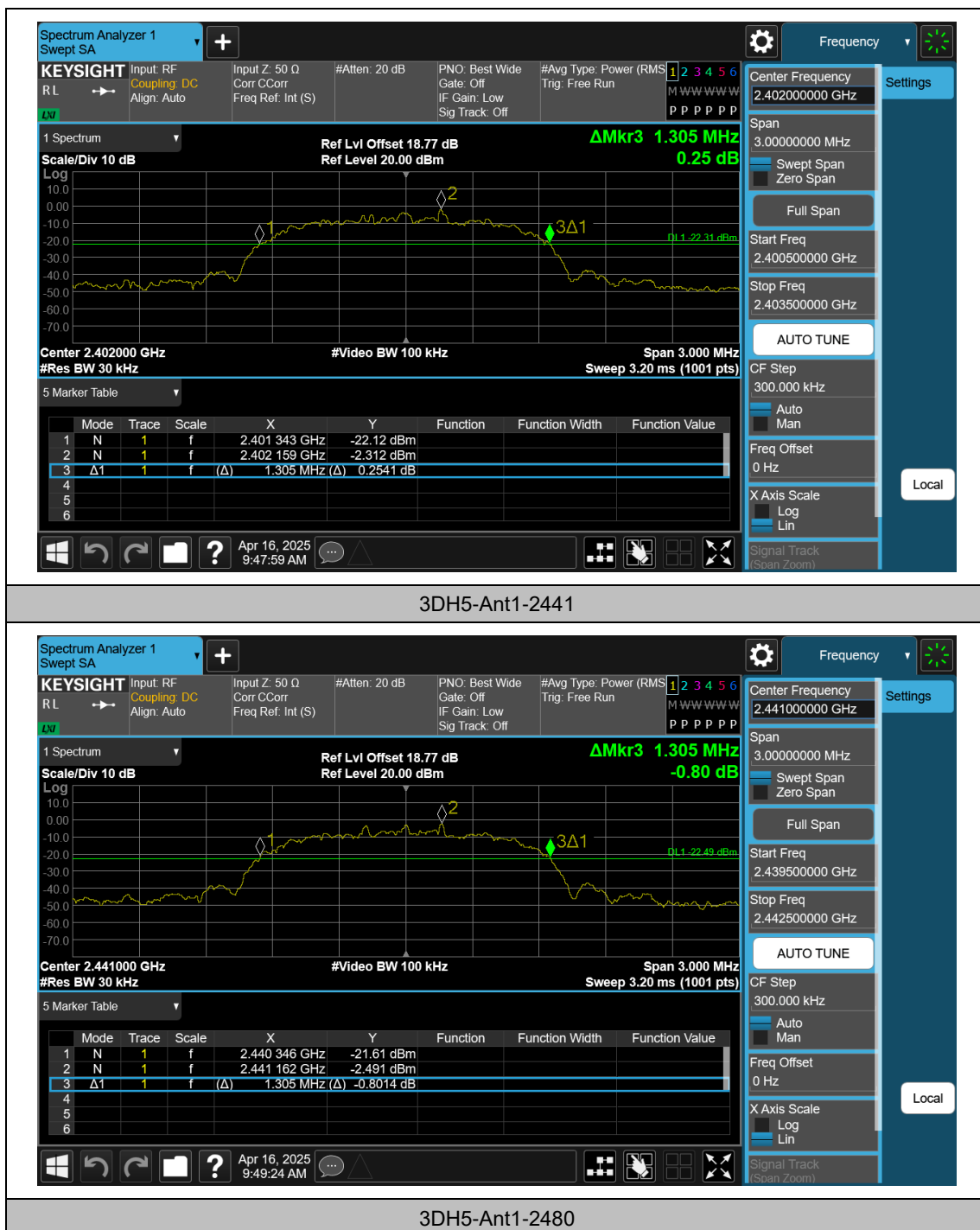


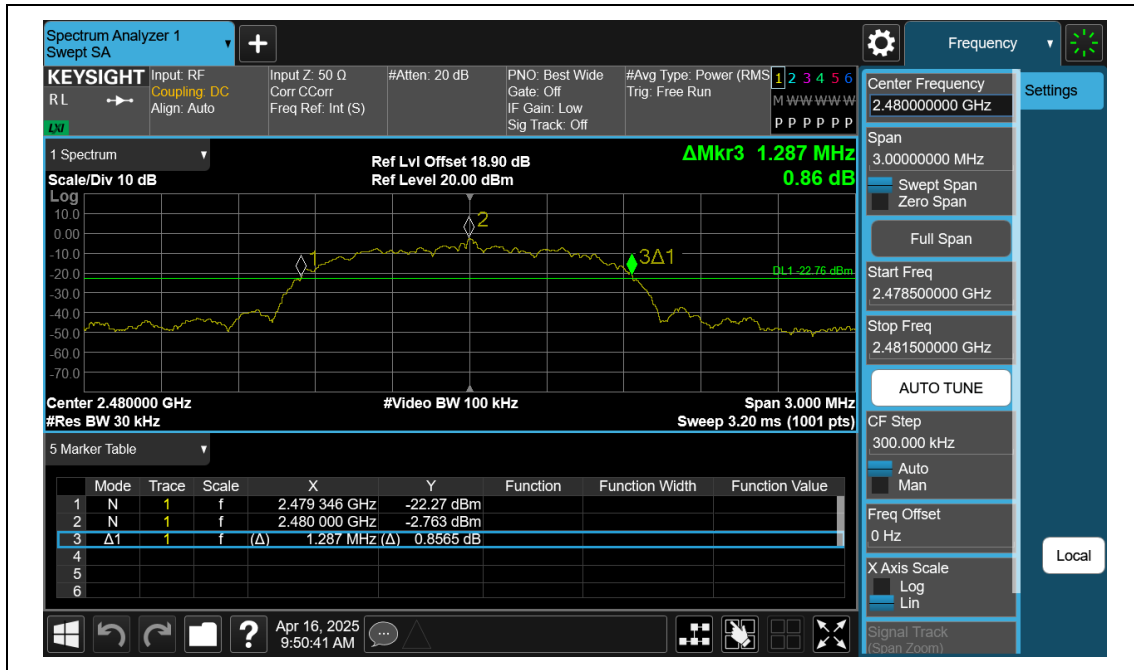
Test Graphs









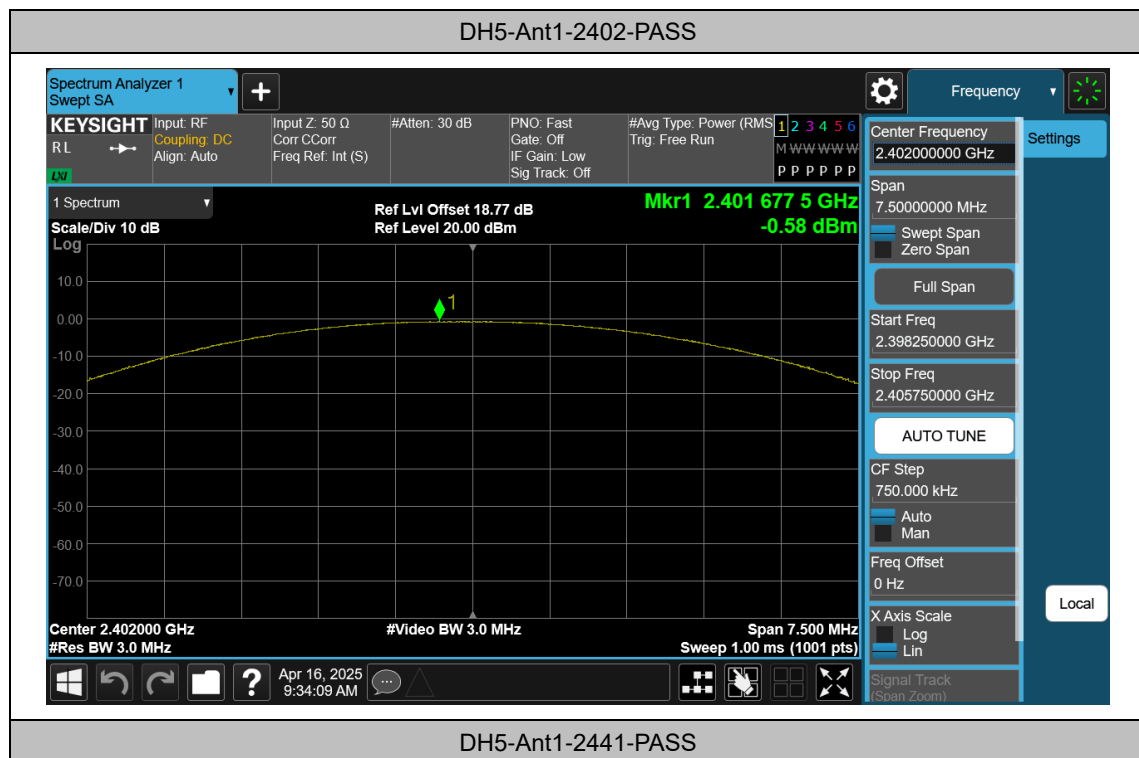


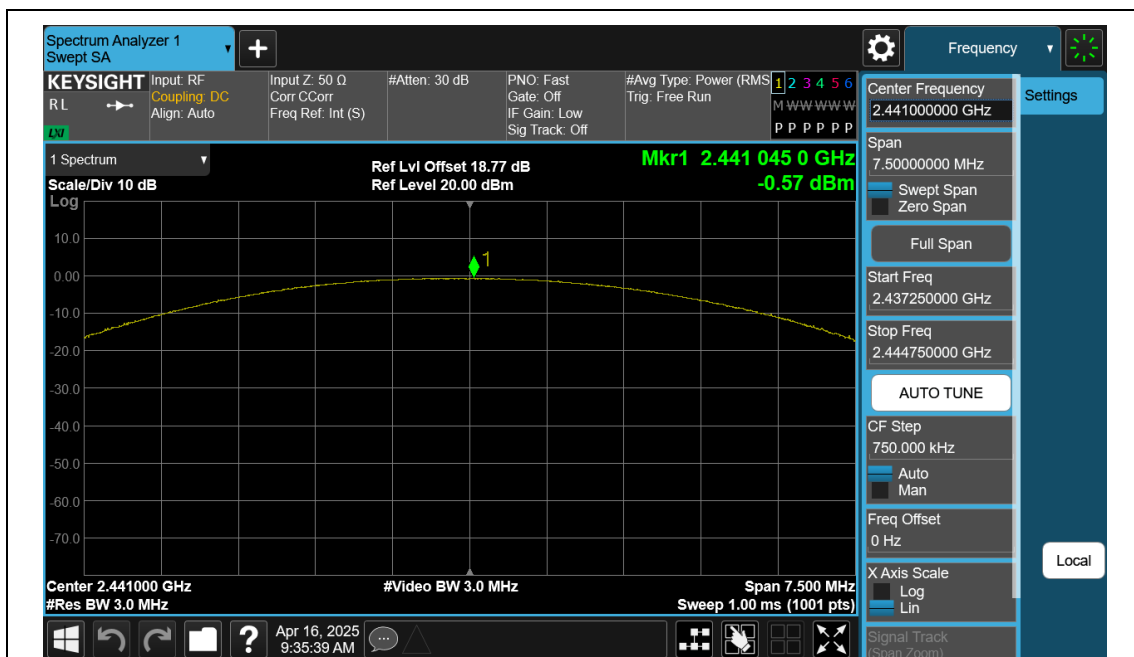
Appendix B: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.58	≤20.97	PASS
DH5	Ant1	2441	-0.57	≤20.97	PASS
DH5	Ant1	2480	-0.28	≤20.97	PASS
2DH5	Ant1	2402	1.56	≤20.97	PASS
2DH5	Ant1	2441	1.56	≤20.97	PASS
2DH5	Ant1	2480	1.92	≤20.97	PASS
3DH5	Ant1	2402	2.01	≤20.97	PASS
3DH5	Ant1	2441	2.05	≤20.97	PASS
3DH5	Ant1	2480	2.29	≤20.97	PASS

Test Graphs

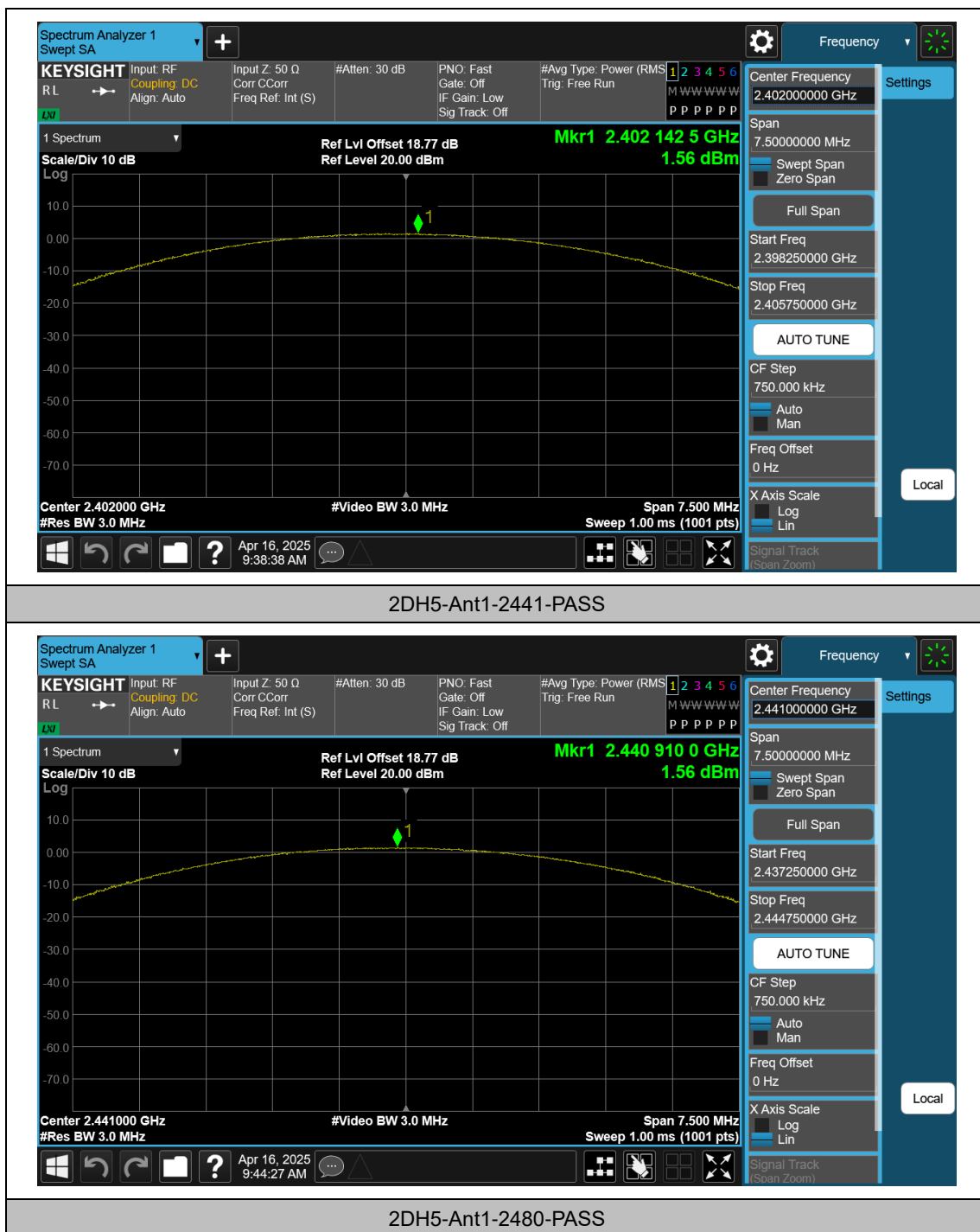




DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS

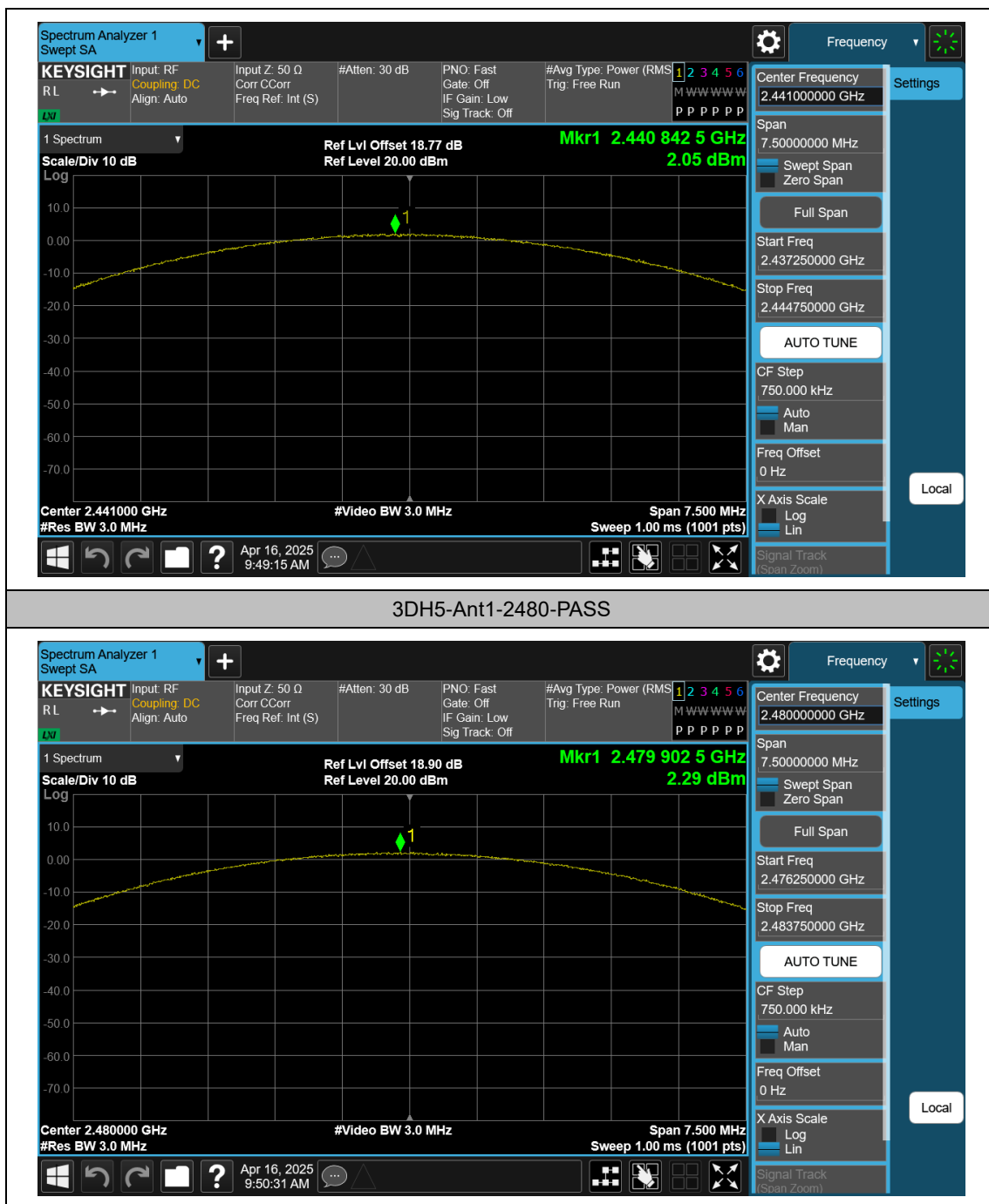




3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



Appendix C: Carrier frequency separation

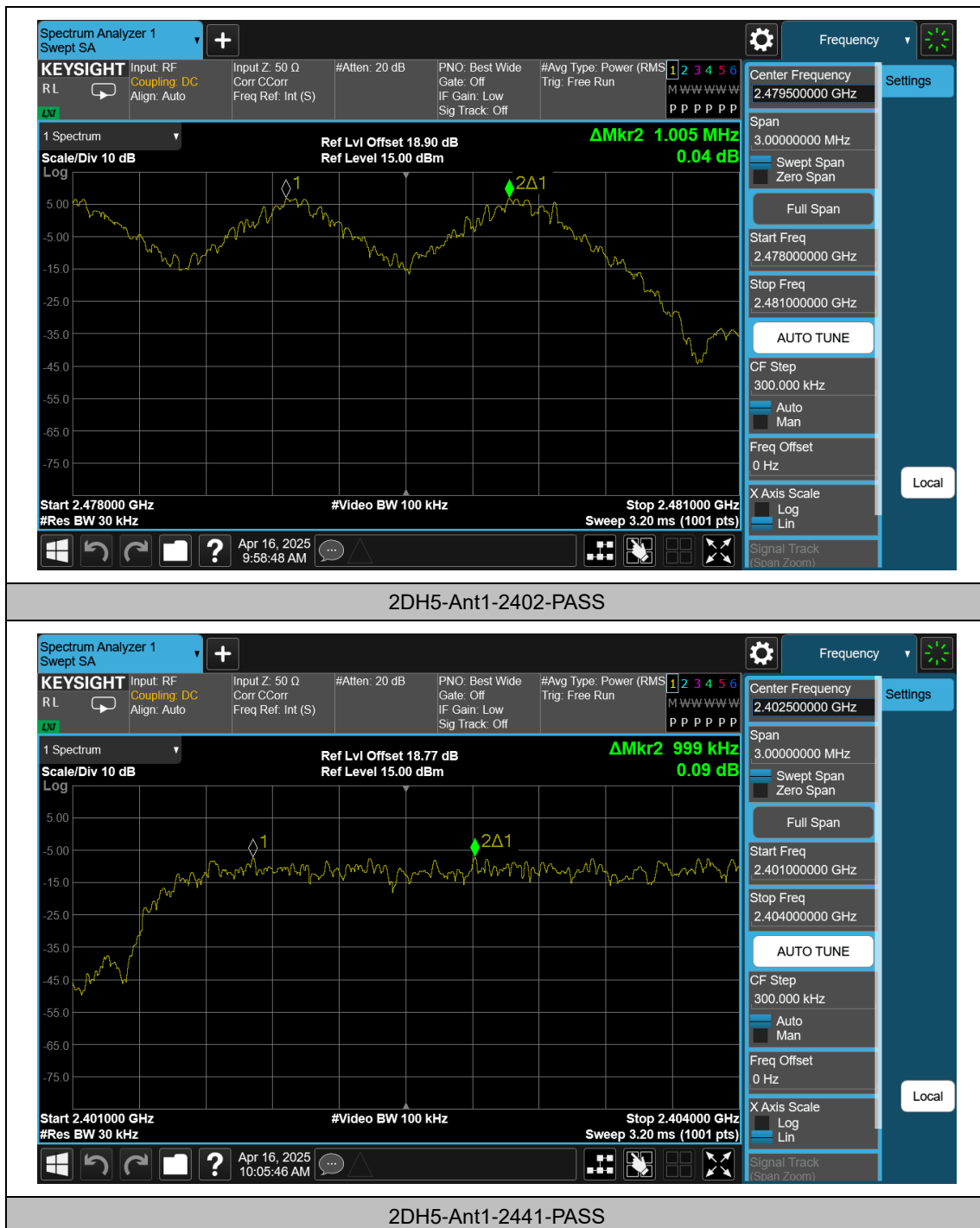
Test Result

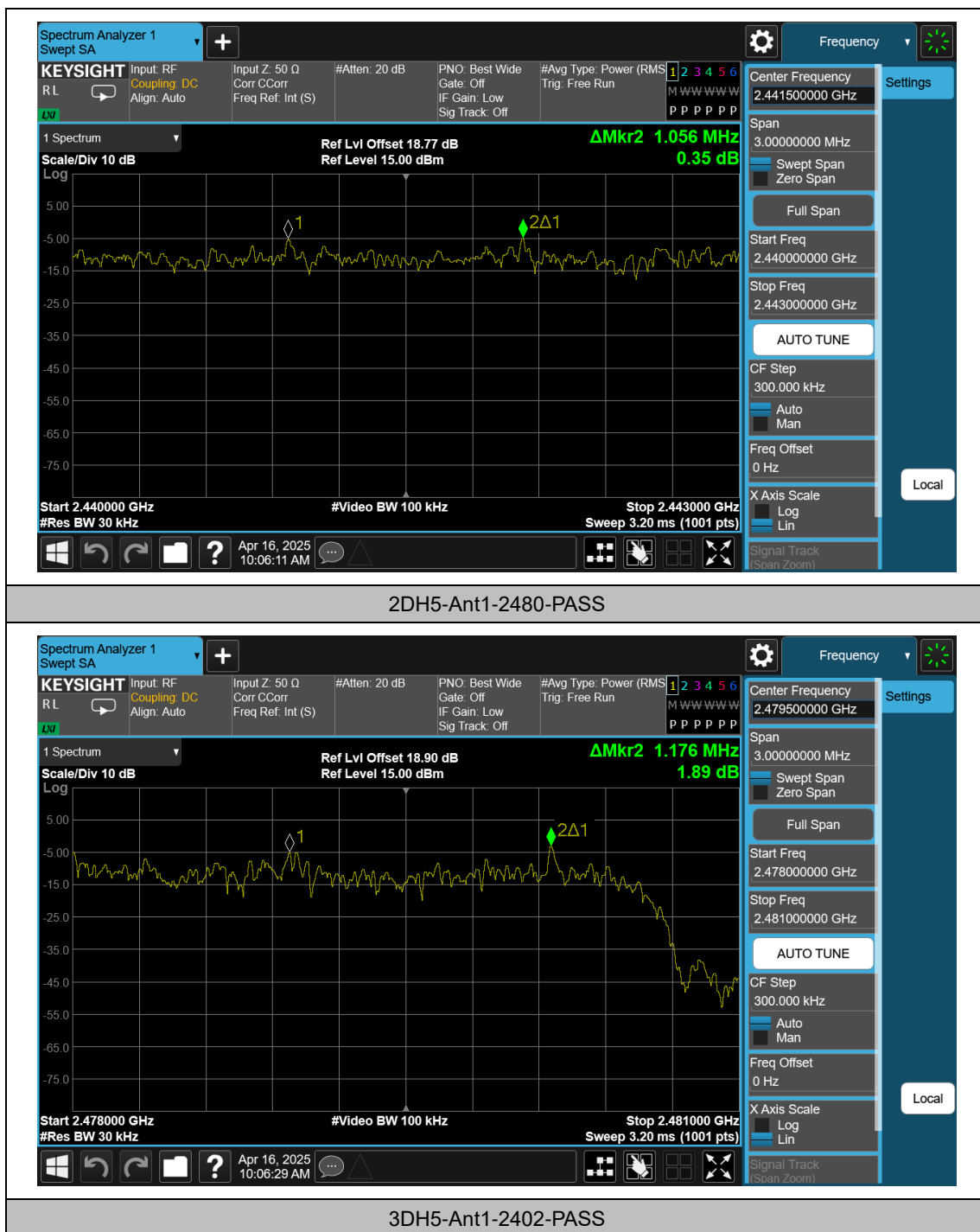
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.888	≥ 0.642	PASS
DH5	Ant1	2441	1.011	≥ 0.963	PASS
DH5	Ant1	2480	1.005	≥ 0.963	PASS
2DH5	Ant1	2402	0.999	≥ 0.894	PASS
2DH5	Ant1	2441	1.056	≥ 0.894	PASS
2DH5	Ant1	2480	1.176	≥ 0.894	PASS
3DH5	Ant1	2402	1.02	≥ 0.870	PASS
3DH5	Ant1	2441	1.224	≥ 0.870	PASS
3DH5	Ant1	2480	0.996	≥ 0.870	PASS

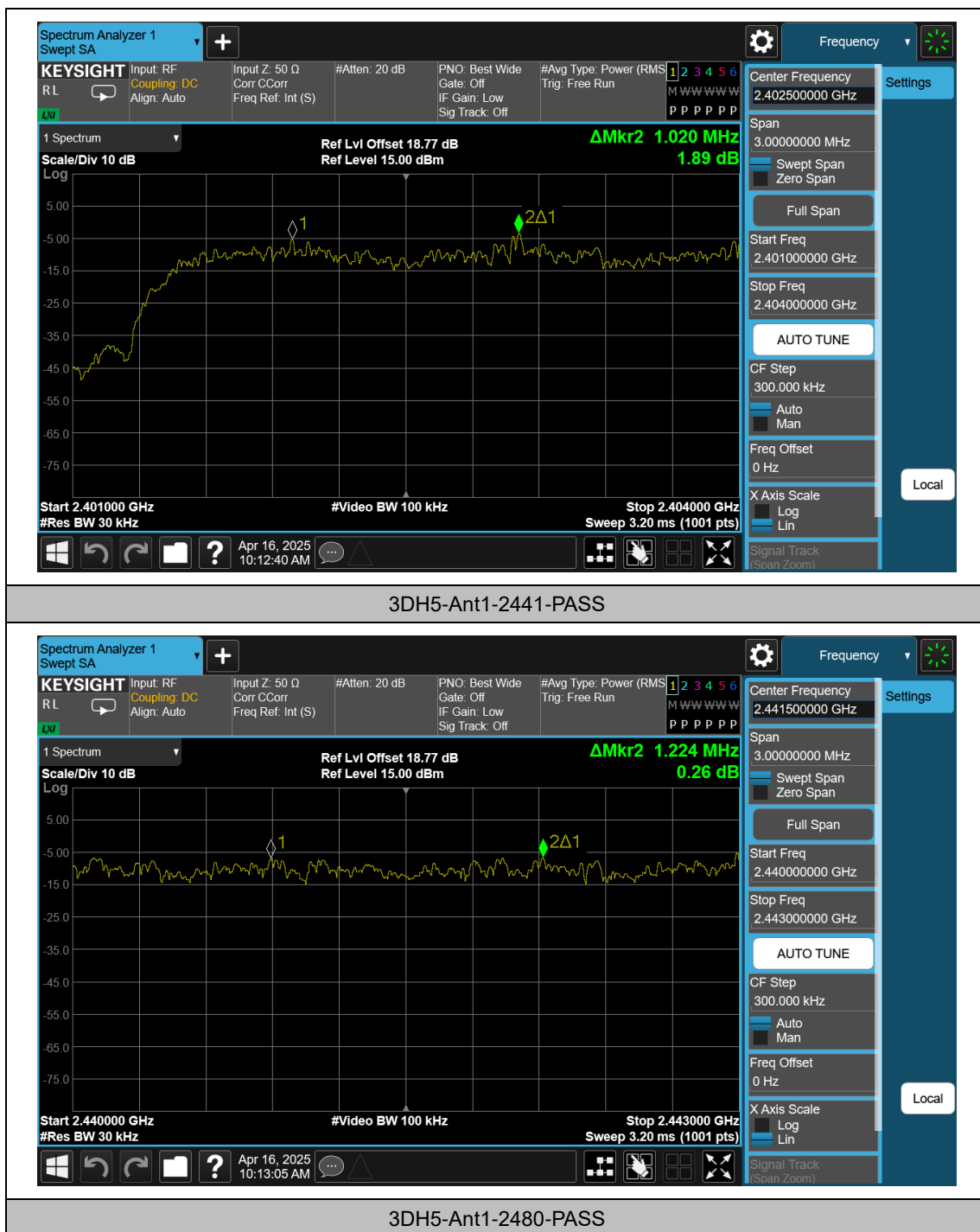


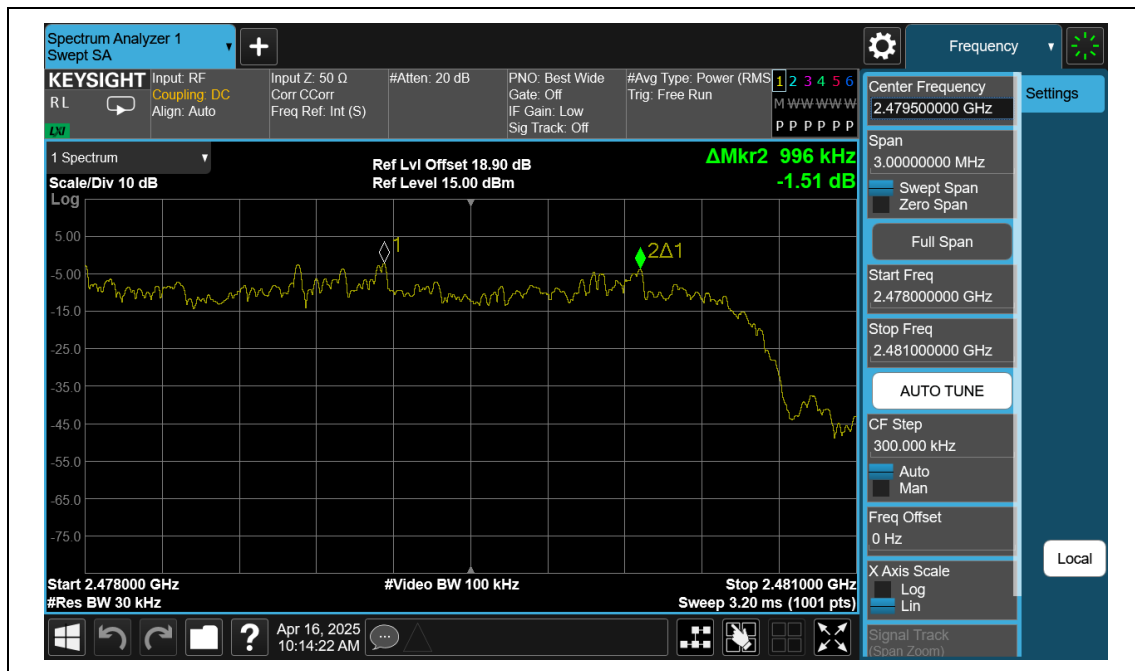
Test Graphs











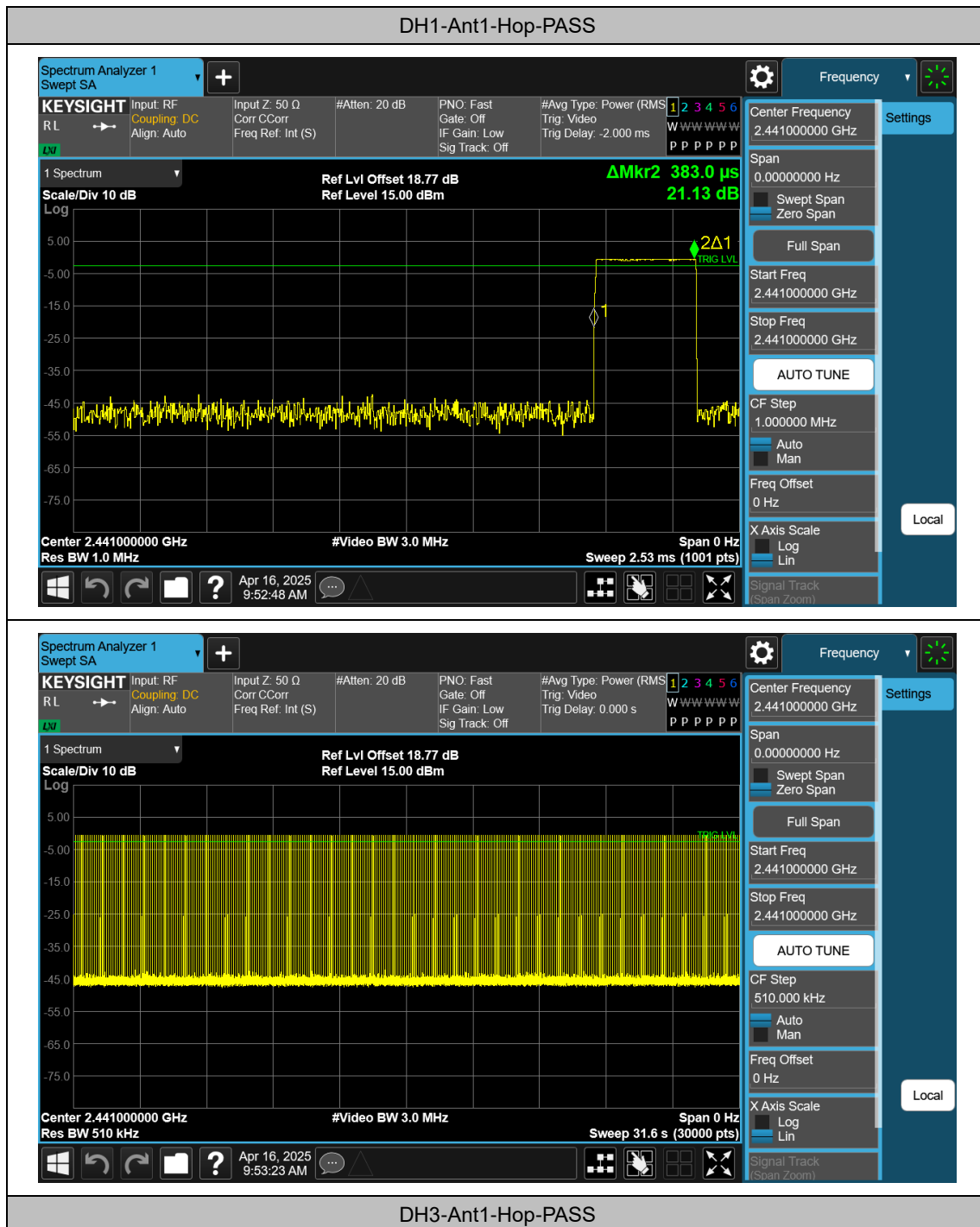
Appendix D: Time of occupancy

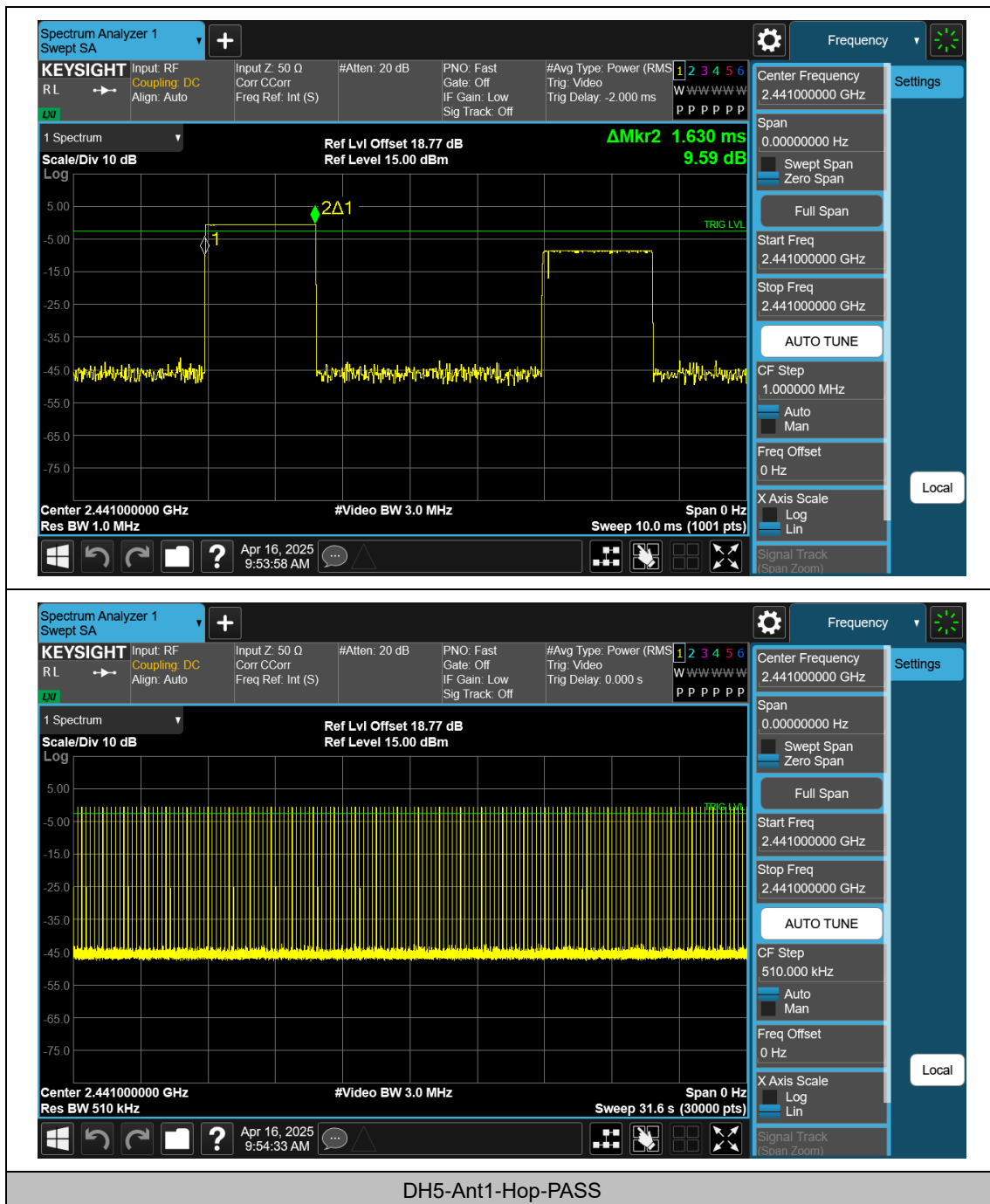
Test Result

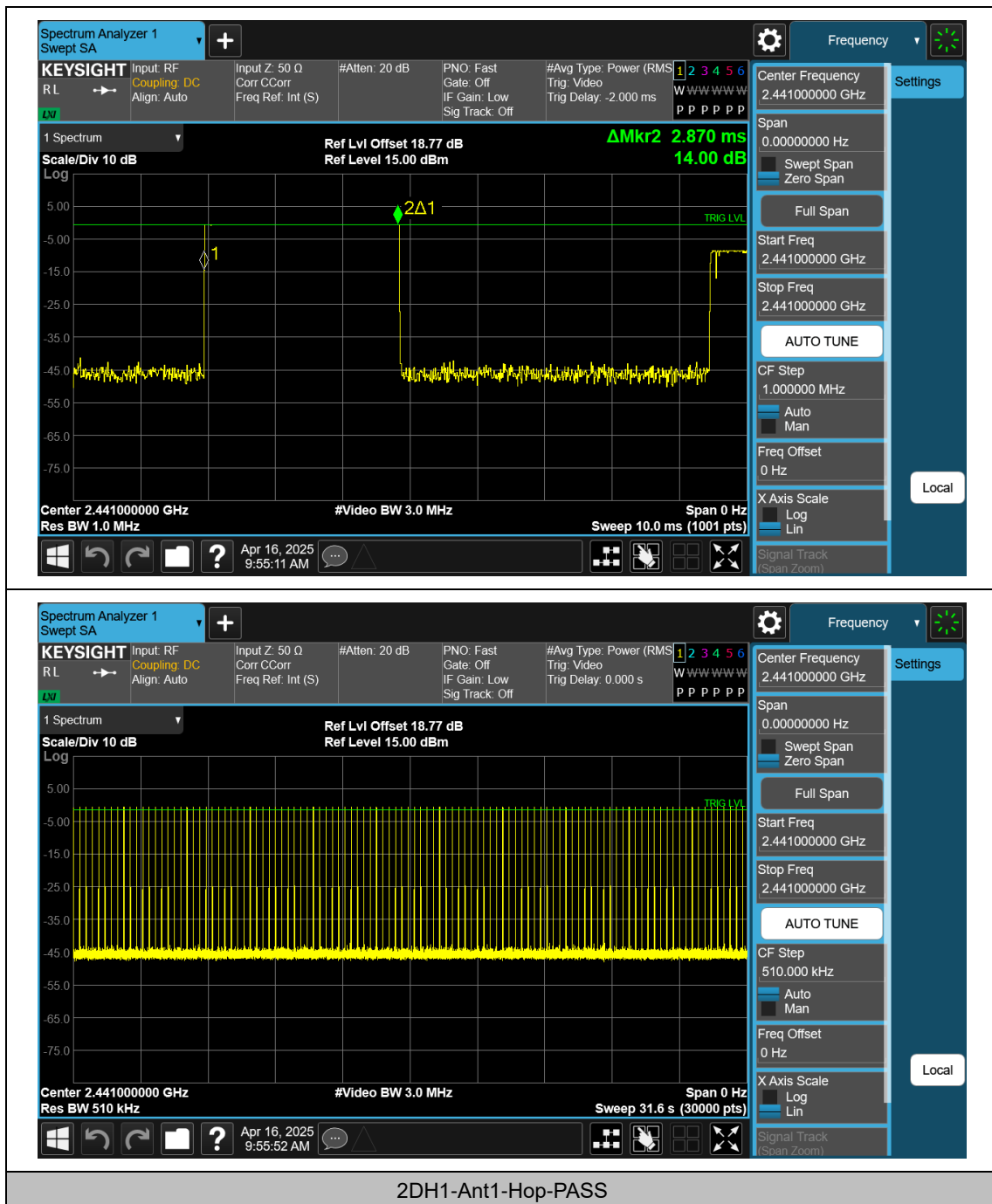
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.383	319	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.630	159	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.870	107	0.307	≤0.4	PASS
2DH1	Ant1	Hop	0.393	319	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.630	159	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.880	107	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.393	319	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.630	159	0.259	≤0.4	PASS
3DH5	Ant1	Hop	2.880	107	0.308	≤0.4	PASS



Test Graphs







Spectrum Analyzer 1

Swept SA

+

KEYSIGHT

Input: RF

R.L

Coupling: DC

Align: Auto

Input Z: 50 Ω

Corr C: Corr

Freq Ref: Int (S)

#Atten: 20 dB

PNO: Fast

Gate: Off

IF Gain: Low

Sig Track: Off

#Avg Type: Power (RMS)

Trig: Video

Trig Delay: 0.000 s

1 2 3 4 5 6

W W W W W W

P P P P P P

Center Frequency

2.441000000 GHz

Span

0.00000000 Hz

Sweep Span

Zero Span

Full Span

Start Freq

2.441000000 GHz

Stop Freq

2.441000000 GHz

AUTO TUNE

CF Step

510.000 kHz

Auto

Man

Freq Offset

0 Hz

X Axis Scale

Log

Lin

Signal Track

(Span Zoom)

1 Spectrum

Ref Lvl Offset 18.77 dB

Ref Level 15.00 dBm

Scale/Div 10 dB

Log

5.00

-5.00

-15.0

-25.0

-35.0

-45.0

-55.0

-65.0

-75.0

TRIG LVL

Center 2.441000000 GHz

Res BW 510 kHz

#Video BW 3.0 MHz

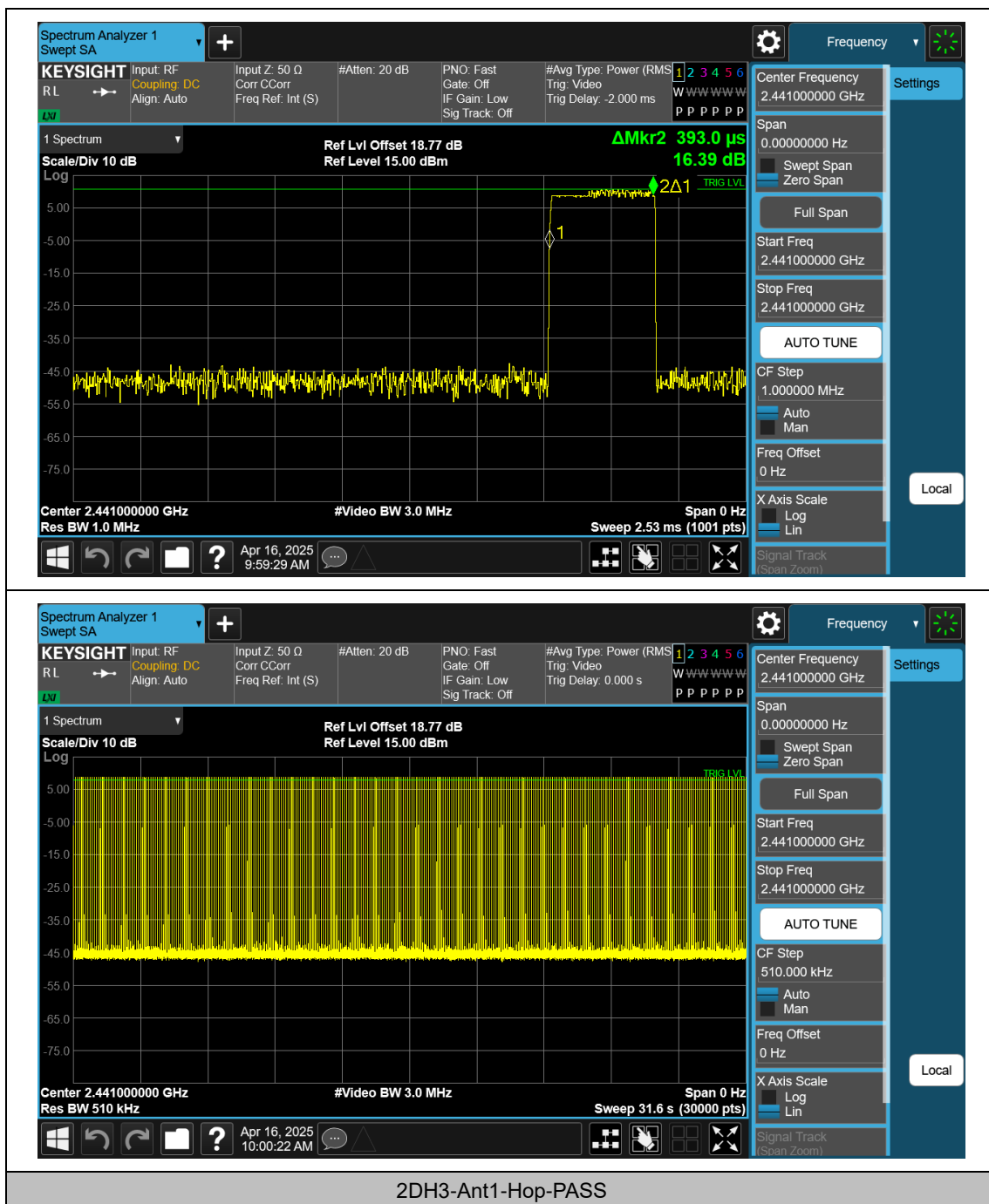
Span 0 Hz

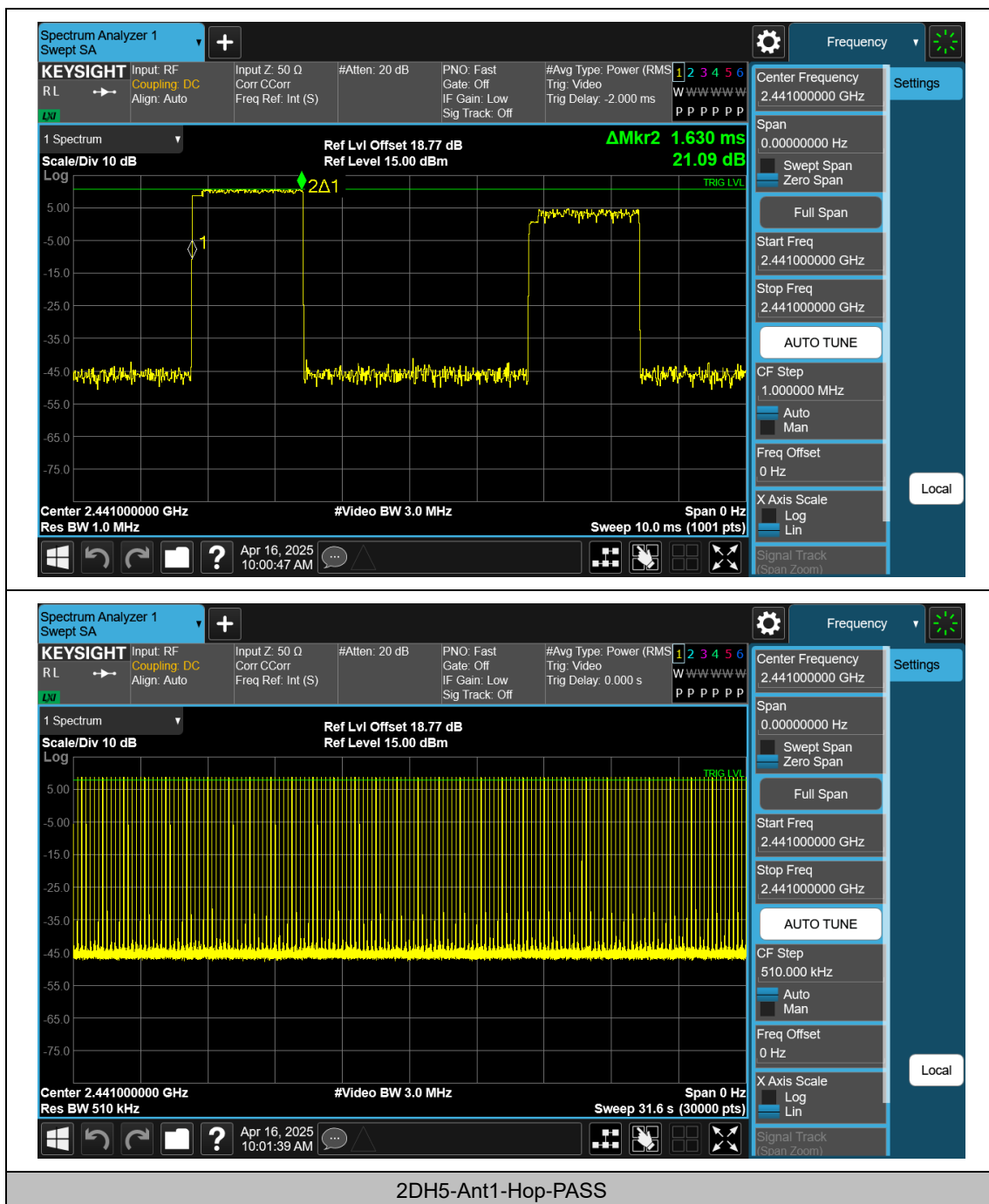
Sweep 31.6 s (30000 pts)

Apr 16, 2025

9:55:52 AM

2DH1-Ant1-Hop-PASS





Spectrum Analyzer 1
Swept SA

KEYSIGHT

Input: RF

R.L

Coupling: DC

Align: Auto

Input Z: 50 Ω

Corr C: Corr

Freq Ref: Int (S)

#Atten: 20 dB

PNO: Fast

Gate: Off

IF Gain: Low

Sig Track: Off

#Avg Type: Power (RMS)

Trig: Video

Trig Delay: 0.000 s

1 2 3 4 5 6

W W W W W W

P P P P P P

Center Frequency

2.441000000 GHz

Span

0.00000000 Hz

☐ Swept Span
 ☒ Zero Span

Full Span

Start Freq

2.441000000 GHz

Stop Freq

2.441000000 GHz

AUTO TUNE

CF Step

510.000 kHz

☒ Auto
 ☐ Man

Freq Offset

0 Hz

X Axis Scale

☐ Log
 ☒ Lin

Signal Track (Span Zoom)

Settings

Local

1 Spectrum

Scale/Div 10 dB

Log

Ref Lvl Offset 18.77 dB

Ref Level 15.00 dBm

TRIG LVL

5.00

-5.00

-15.0

-25.0

-35.0

-45.0

-55.0

-65.0

-75.0

Center 2.441000000 GHz

Res BW 510 kHz

#Video BW 3.0 MHz

Span 0 Hz

Sweep 31.6 s (30000 pts)

Windows

Refresh

Save

Help

Apr 16, 2025 10:01:39 AM

Zoom In

Zoom Out

Reset

2DH5-Ant1-Hop-PASS

