

Duty Cycle

Full RU Test Result

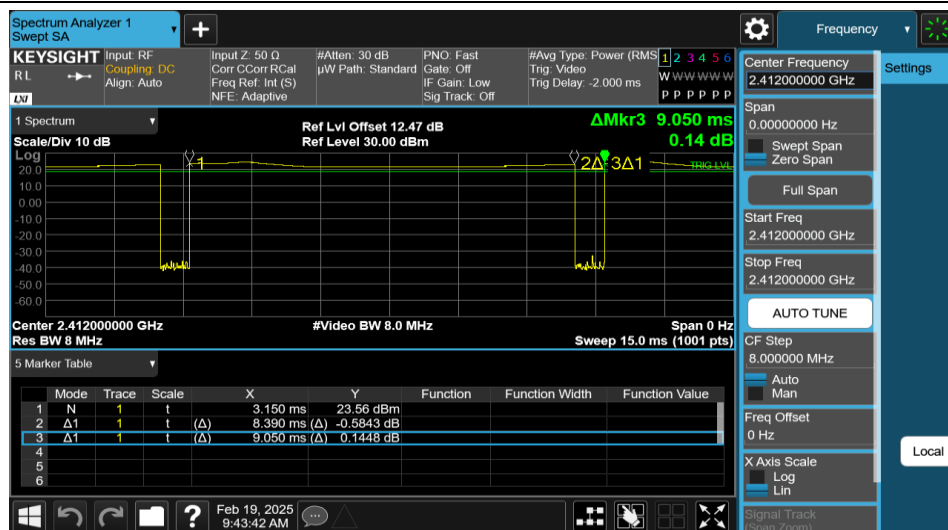
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.39	9.05	92.71	0.33
11B	Ant2	2412	8.39	8.42	99.64	0.02
11B	Ant1	2437	8.38	9.02	92.90	0.32
11B	Ant2	2437	8.38	9.00	93.11	0.31
11B	Ant1	2462	8.38	9.03	92.80	0.32
11B	Ant2	2462	8.37	8.99	93.10	0.31
11G	Ant1	2412	1.40	2.05	68.29	1.66
11G	Ant2	2412	1.39	2.02	68.81	1.62
11G	Ant1	2437	1.39	2.05	67.80	1.69
11G	Ant2	2437	1.39	2.02	68.81	1.62
11G	Ant1	2462	1.39	2.02	68.81	1.62
11G	Ant2	2462	1.39	2.04	68.14	1.67
11N20MIMO	Ant1	2412	1.30	1.95	66.67	1.76
11N20MIMO	Ant2	2412	1.30	1.93	67.36	1.72
11N20MIMO	Ant1	2437	1.30	1.96	66.33	1.78
11N20MIMO	Ant2	2437	1.30	1.96	66.33	1.78
11N20MIMO	Ant1	2462	1.30	1.96	66.33	1.78
11N20MIMO	Ant2	2462	1.30	1.93	67.36	1.72
11N40MIMO	Ant1	2422	0.65	1.31	49.62	3.04
11N40MIMO	Ant2	2422	0.65	1.30	50.00	3.01
11N40MIMO	Ant1	2437	0.65	1.29	50.39	2.98
11N40MIMO	Ant2	2437	0.65	1.28	50.78	2.94
11N40MIMO	Ant1	2452	0.65	1.29	50.39	2.98
11N40MIMO	Ant2	2452	0.64	1.28	50.00	3.01
11AX20MIMO	Ant1	2412	1.02	1.65	61.82	2.09
11AX20MIMO	Ant2	2412	1.02	1.66	61.45	2.11
11AX20MIMO	Ant1	2437	1.01	1.67	60.48	2.18
11AX20MIMO	Ant2	2437	1.01	1.64	61.59	2.10
11AX20MIMO	Ant1	2462	1.01	1.65	61.21	2.13
11AX20MIMO	Ant2	2462	1.01	1.65	61.21	2.13
11AX40MIMO	Ant1	2422	0.07	0.10	70.00	1.55
11AX40MIMO	Ant2	2422	0.06	0.08	75.00	1.25
11AX40MIMO	Ant1	2437	0.06	0.08	75.00	1.25
11AX40MIMO	Ant2	2437	0.07	0.09	77.78	1.09
11AX40MIMO	Ant1	2452	0.07	0.09	77.78	1.09
11AX40MIMO	Ant2	2452	0.06	0.08	75.00	1.25

Partial RU Test Result

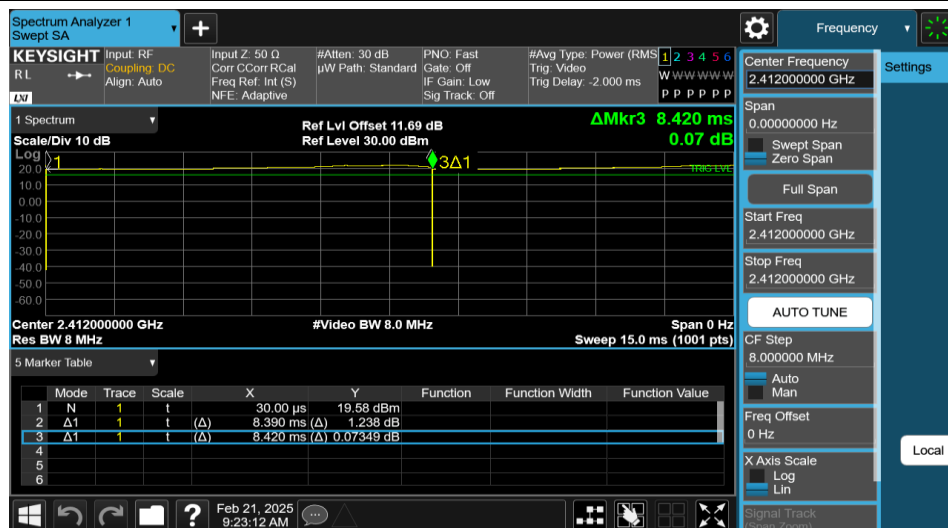
TestMode	Antenna	Frequency[MHz]	RuSize	RuIndex	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11AX20SISO	Ant1	2412	26Tone	RU0	0.64	1.25	51.20
11AX20MIMO	Ant1	2412	26Tone	RU0	0.64	1.28	50.00
11AX20MIMO	Ant2	2412	26Tone	RU0	0.65	1.26	51.59
11AX20MIMO	Ant1	2412	52Tone	RU37	0.64	1.29	49.61
11AX20MIMO	Ant2	2412	52Tone	RU37	0.64	1.29	49.61
11AX20MIMO	Ant1	2412	106Tone	RU53	0.59	1.28	46.09
11AX20MIMO	Ant2	2412	106Tone	RU53	0.59	1.27	46.46
11AX20MIMO	Ant1	2412	242Tone	RU61	0.52	0.84	61.90
11AX20MIMO	Ant2	2412	242Tone	RU61	0.52	0.82	63.41
11AX20MIMO	Ant1	2437	26Tone	RU0	0.64	1.26	50.79
11AX20MIMO	Ant2	2437	26Tone	RU0	0.63	1.25	50.40
11AX20MIMO	Ant1	2437	52Tone	RU37	0.64	1.29	49.61
11AX20MIMO	Ant2	2437	52Tone	RU37	0.63	1.29	48.84
11AX20MIMO	Ant1	2437	106Tone	RU53	0.59	1.27	46.46
11AX20MIMO	Ant2	2437	106Tone	RU53	0.60	1.29	46.51
11AX20MIMO	Ant1	2437	242Tone	RU61	0.52	1.27	40.94
11AX20MIMO	Ant2	2437	242Tone	RU61	0.52	0.83	62.65
11AX20MIMO	Ant1	2462	26Tone	RU0	0.65	1.25	52.00
11AX20MIMO	Ant2	2462	26Tone	RU0	0.64	1.26	50.79
11AX20MIMO	Ant1	2462	52Tone	RU37	0.63	1.29	48.84
11AX20MIMO	Ant2	2462	52Tone	RU37	0.64	1.29	49.61
11AX20MIMO	Ant2	2462	106Tone	RU53	0.59	1.30	45.38
11AX20MIMO	Ant1	2462	242Tone	RU61	0.52	1.29	40.31
11AX20MIMO	Ant2	2462	242Tone	RU61	0.52	1.28	40.63
11AX40MIMO	Ant1	2422	26Tone	RU0	0.64	1.25	51.20
11AX40MIMO	Ant2	2422	26Tone	RU0	0.64	1.25	51.20
11AX40MIMO	Ant1	2422	52Tone	RU37	0.64	1.29	49.61
11AX40MIMO	Ant2	2422	52Tone	RU37	0.63	1.28	49.22
11AX40MIMO	Ant1	2422	106Tone	RU53	0.60	1.29	46.51
11AX40MIMO	Ant2	2422	106Tone	RU53	0.60	1.29	46.51
11AX40MIMO	Ant1	2422	484Tone	RU65	0.52	1.44	36.11
11AX40MIMO	Ant2	2422	484Tone	RU65	0.52	1.46	35.62
11AX40MIMO	Ant1	2437	26Tone	RU0	0.64	1.25	51.20
11AX40MIMO	Ant2	2437	26Tone	RU0	0.64	1.28	50.00
11AX40MIMO	Ant1	2437	52Tone	RU37	0.63	1.29	48.84
11AX40MIMO	Ant2	2437	52Tone	RU37	0.63	1.28	49.22
11AX40MIMO	Ant1	2437	106Tone	RU53	0.60	1.29	46.51
11AX40MIMO	Ant2	2437	106Tone	RU53	0.59	1.28	46.09

11AX40MIMO	Ant1	2437	484Tone	RU65	0.52	1.44	36.11
11AX40MIMO	Ant2	2437	484Tone	RU65	0.52	1.44	36.11
11AX40MIMO	Ant1	2452	26Tone	RU0	0.64	1.25	51.20
11AX40MIMO	Ant2	2452	26Tone	RU0	0.64	1.27	50.39
11AX40MIMO	Ant1	2452	52Tone	RU37	0.63	1.28	49.22
11AX40MIMO	Ant2	2452	52Tone	RU37	0.63	1.28	49.22
11AX40MIMO	Ant1	2452	106Tone	RU53	0.60	1.34	44.78
11AX40MIMO	Ant2	2452	106Tone	RU53	0.60	1.29	46.51
11AX40MIMO	Ant1	2452	242Tone	RU61	0.52	1.28	40.63
11AX40MIMO	Ant2	2452	242Tone	RU61	0.53	1.28	41.41
11AX40MIMO	Ant1	2452	484Tone	RU65	0.53	1.44	36.81
11AX40MIMO	Ant2	2452	484Tone	RU65	0.52	1.43	36.36

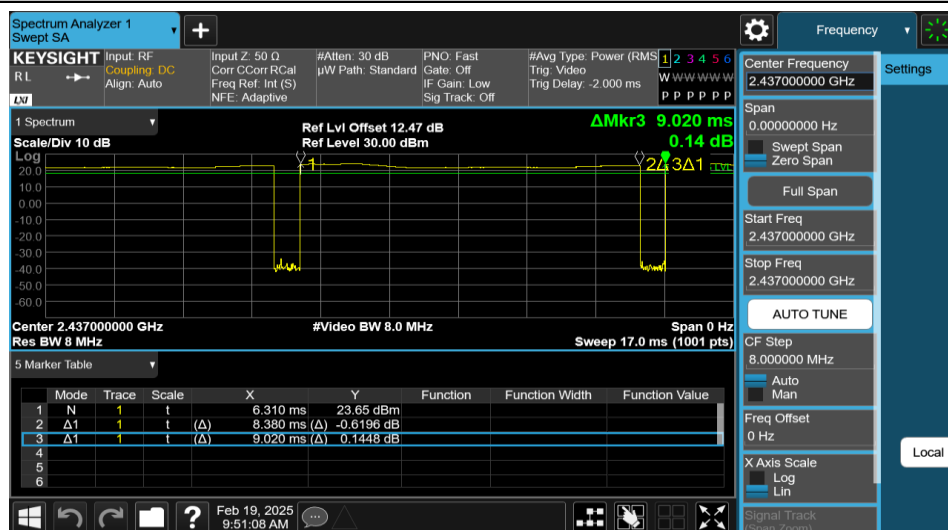
Test Graphs



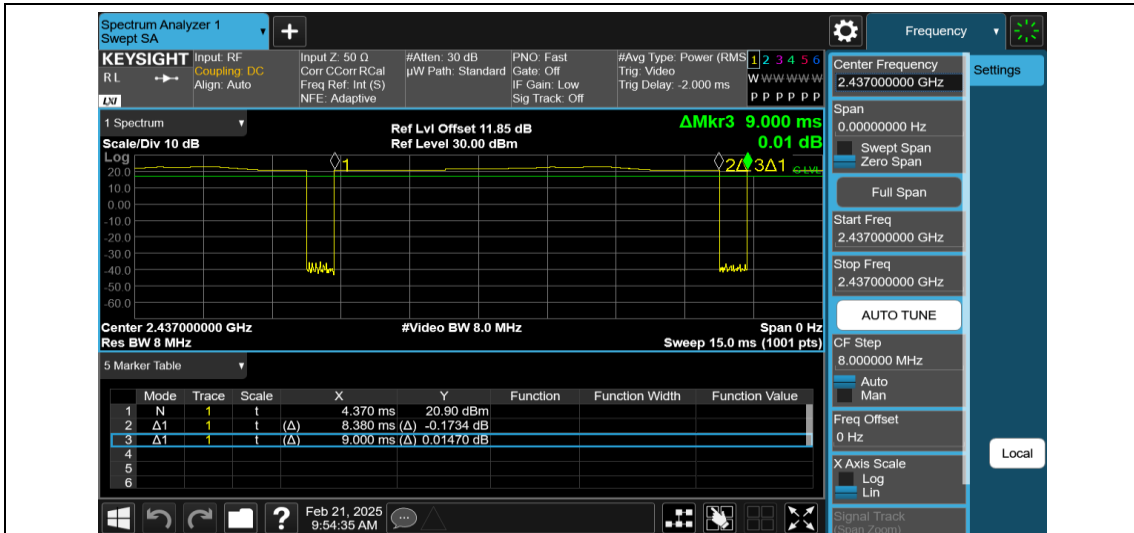
NTNV-11B-Ant1-2412



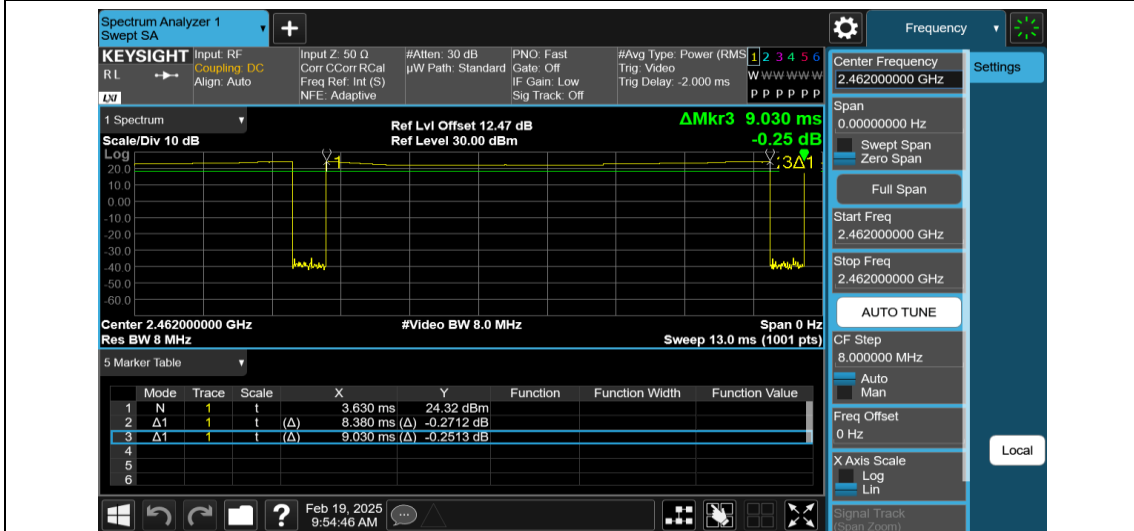
NTNV-11B-Ant2-2412



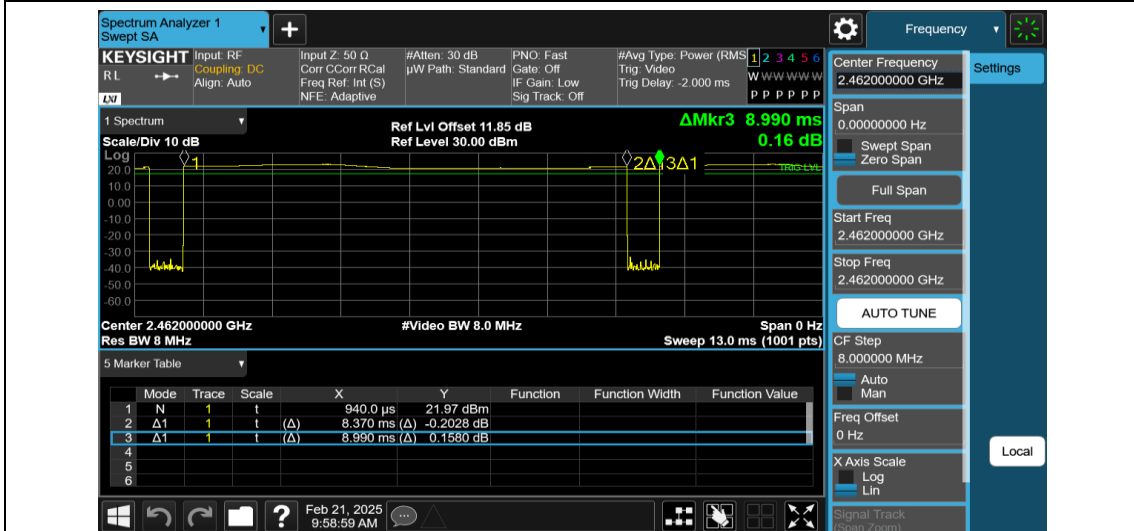
NTNV-11B-Ant1-2437



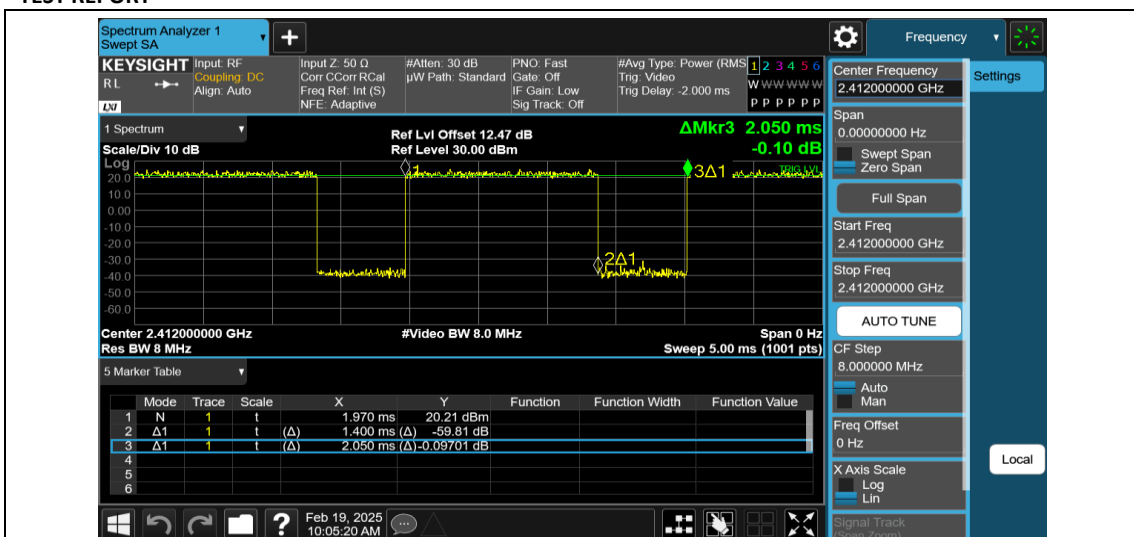
NTNV-11B-Ant2-2437



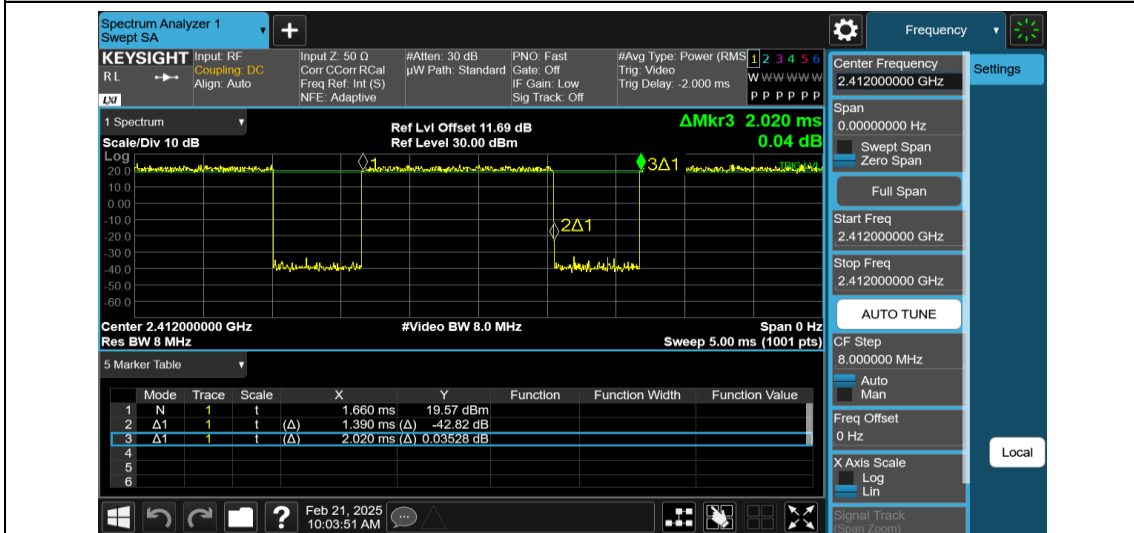
NTNV-11B-Ant1-2462



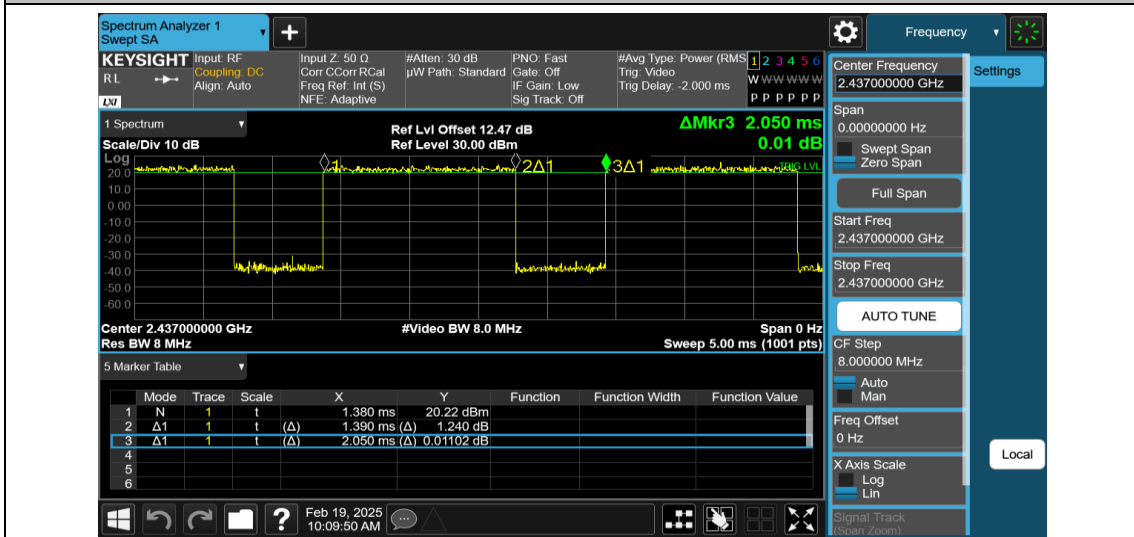
NTNV-11B-Ant2-2462



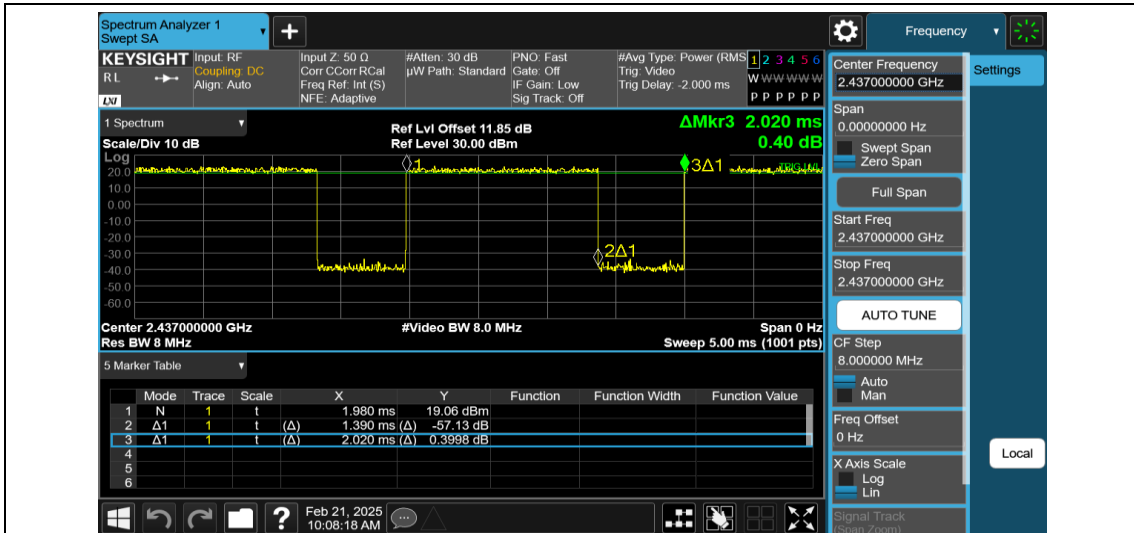
NTNV-11G-Ant1-2412



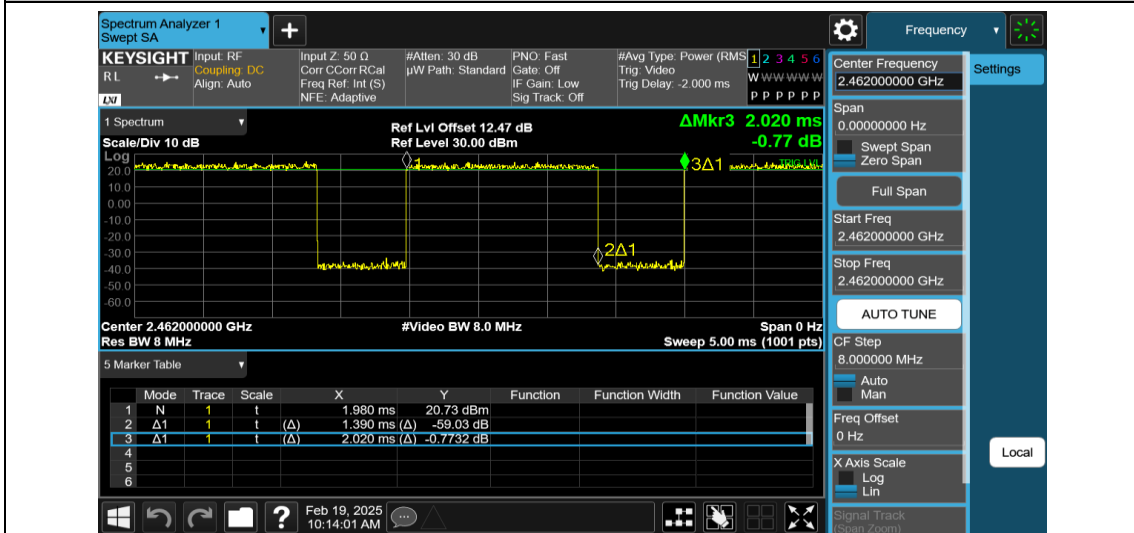
NTNV-11G-Ant2-2412



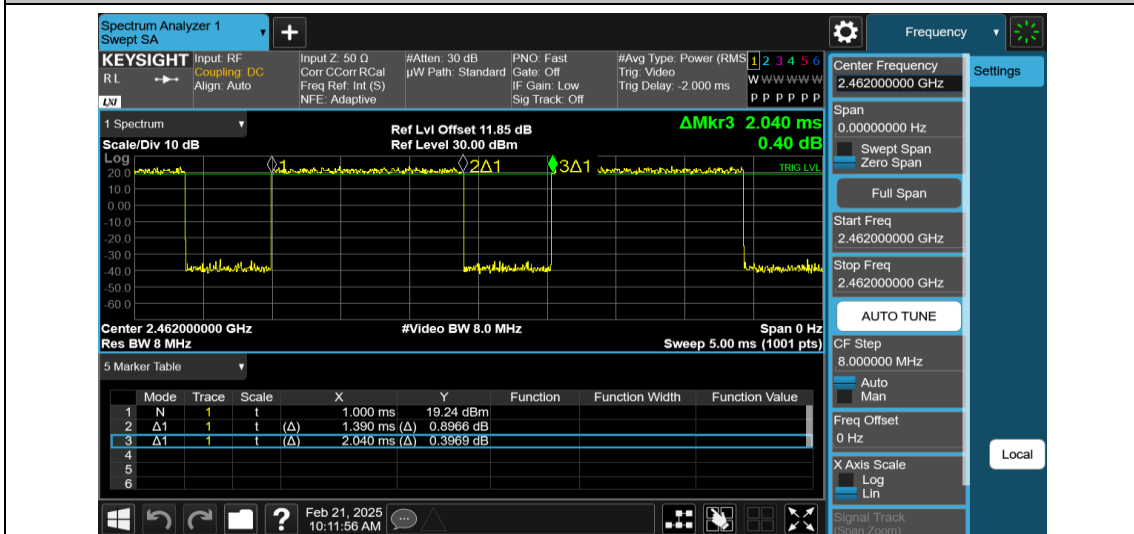
NTNV-11G-Ant1-2437



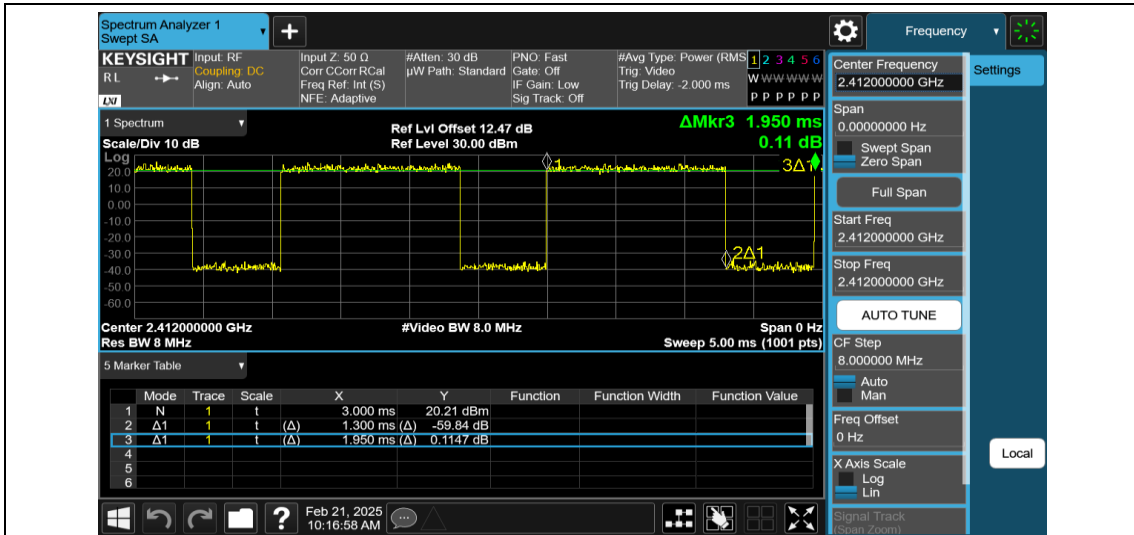
NTNV-11G-Ant2-2437



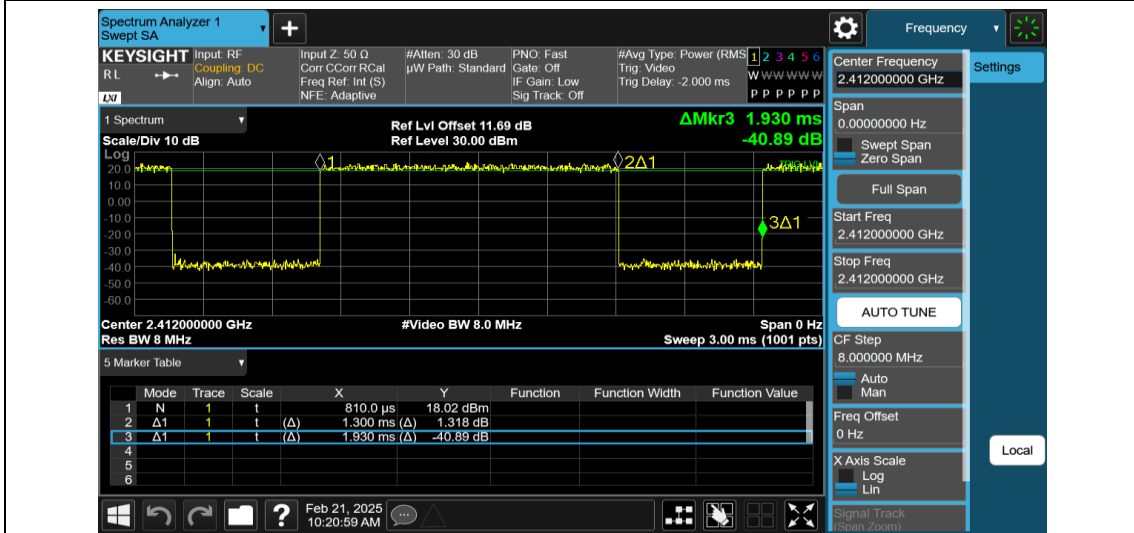
NTNV-11G-Ant1-2462



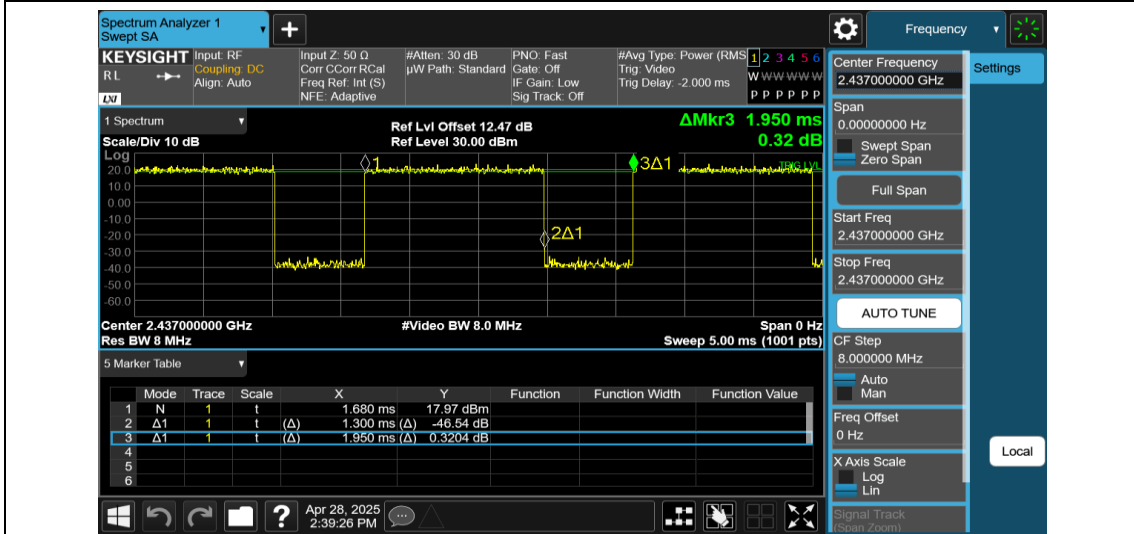
NTNV-11G-Ant2-2462



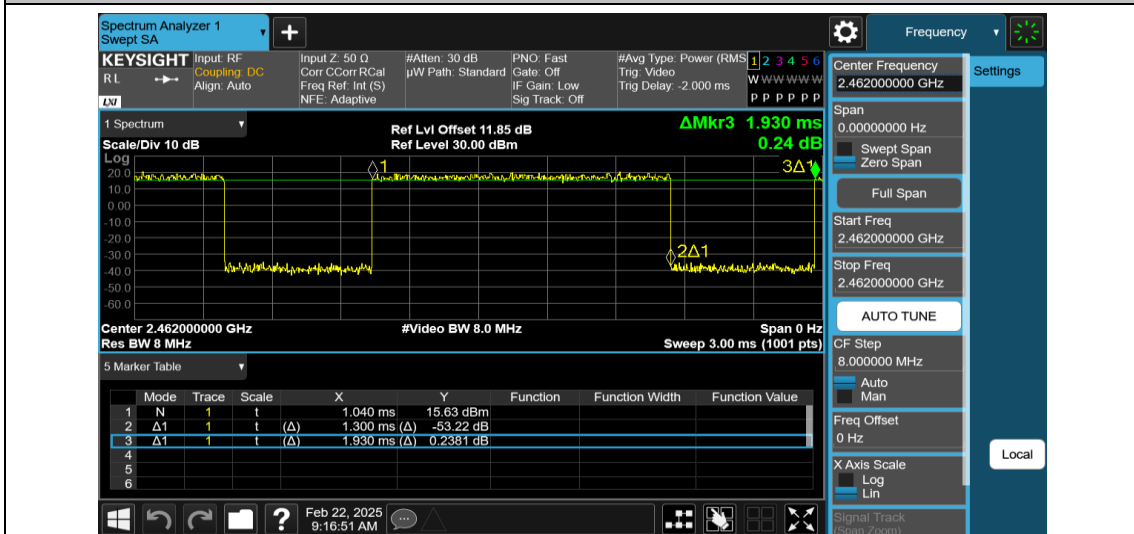
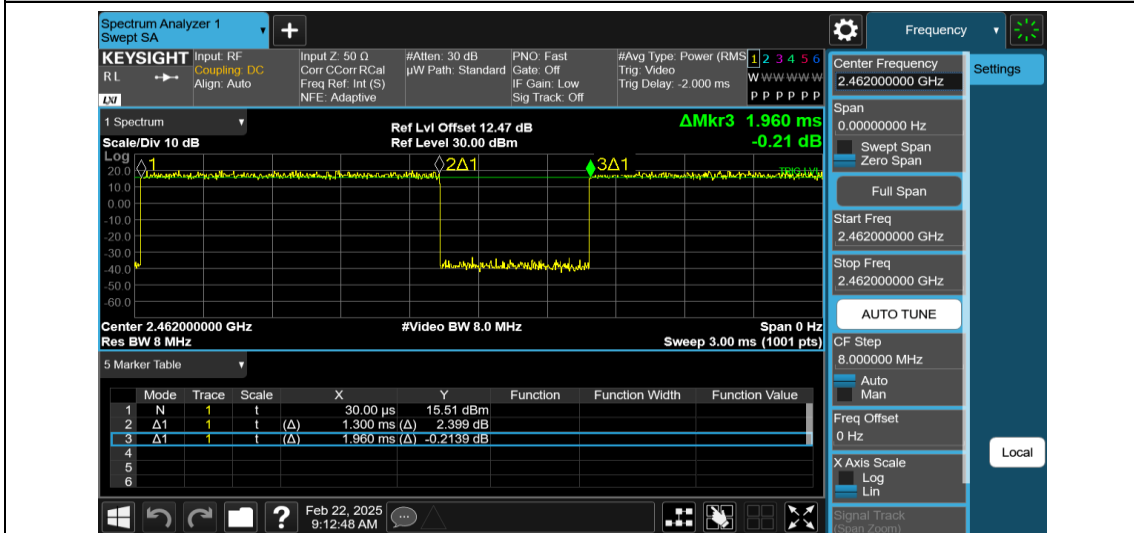
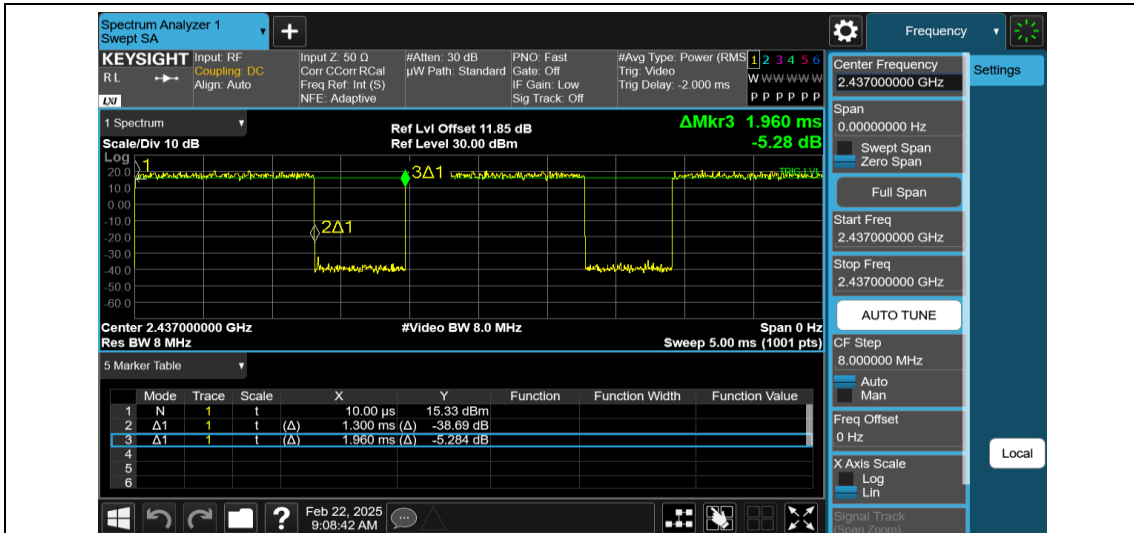
NTNV-11N20MIMO-Ant1-2412

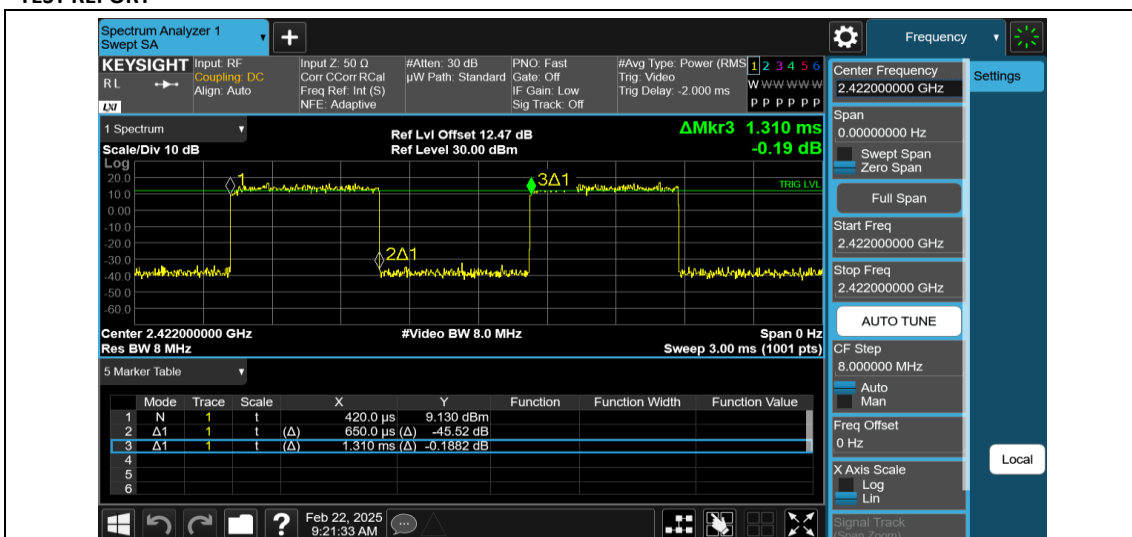


NTNV-11N20MIMO-Ant2-2412

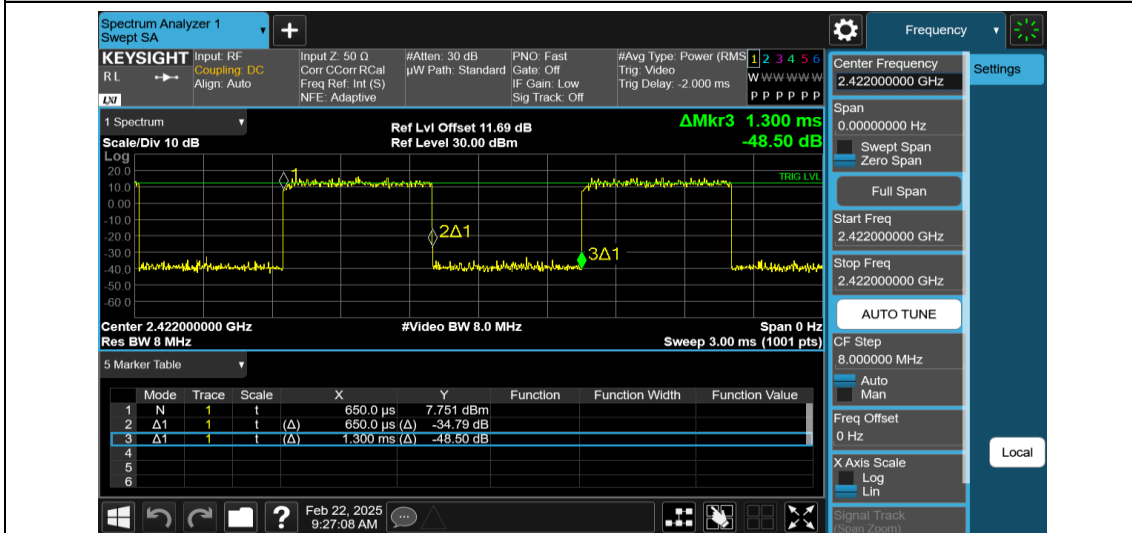


NTNV-11N20MIMO-Ant1-2437

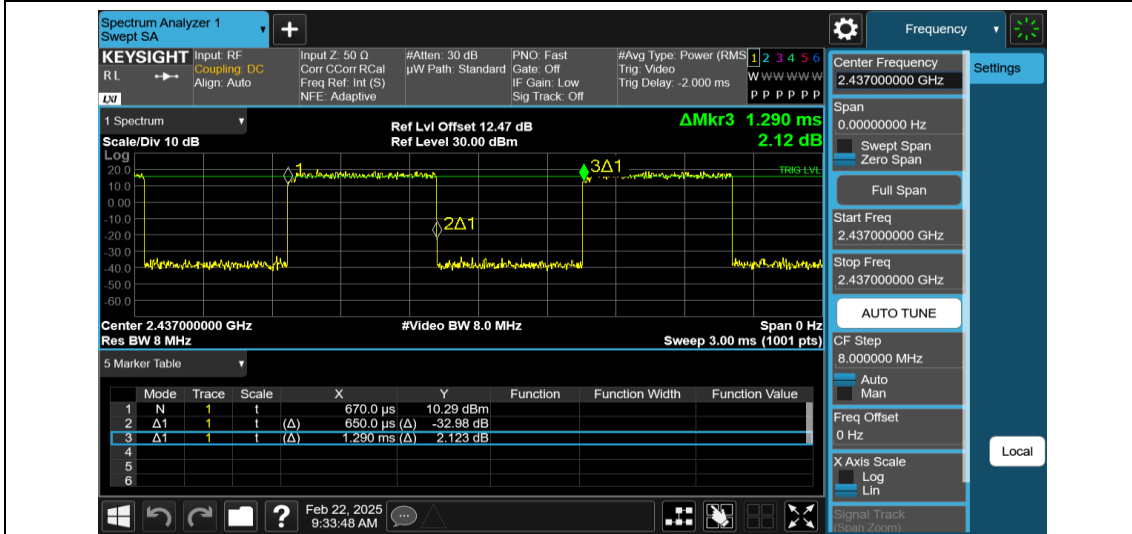




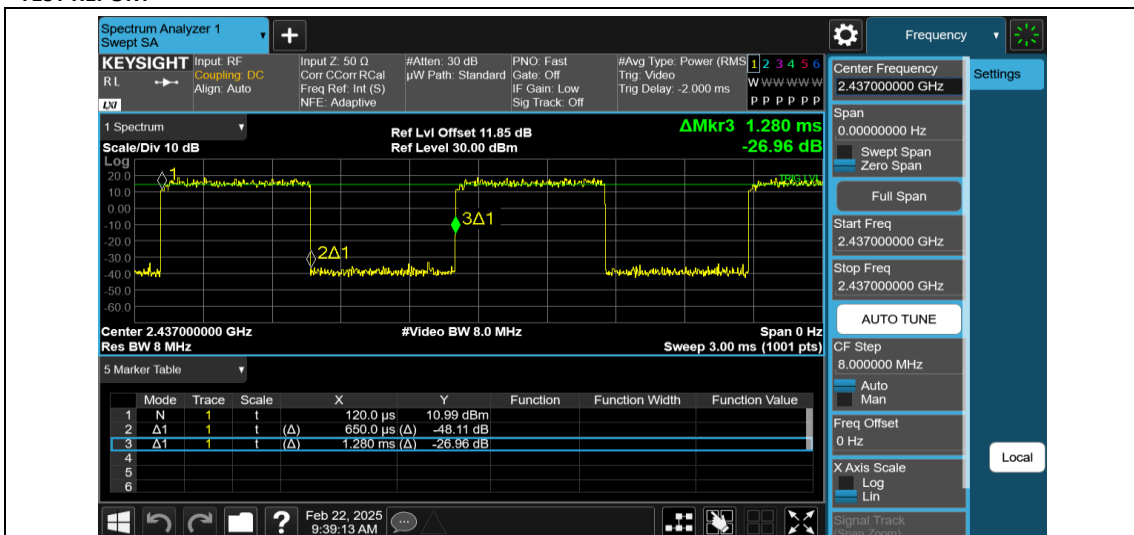
NTNV-11N40MIMO-Ant1-2422



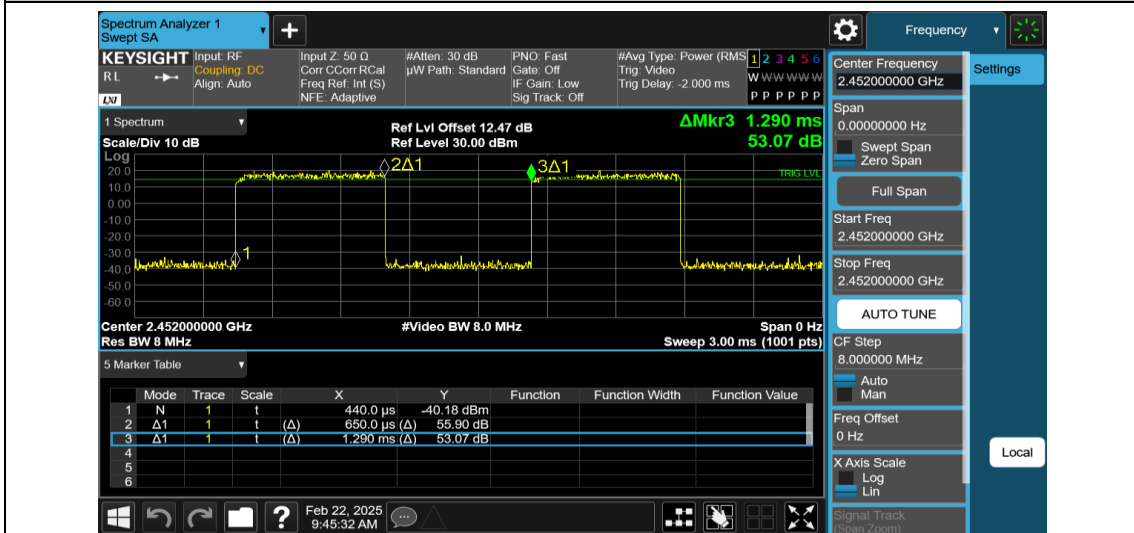
NTNV-11N40MIMO-Ant2-2422



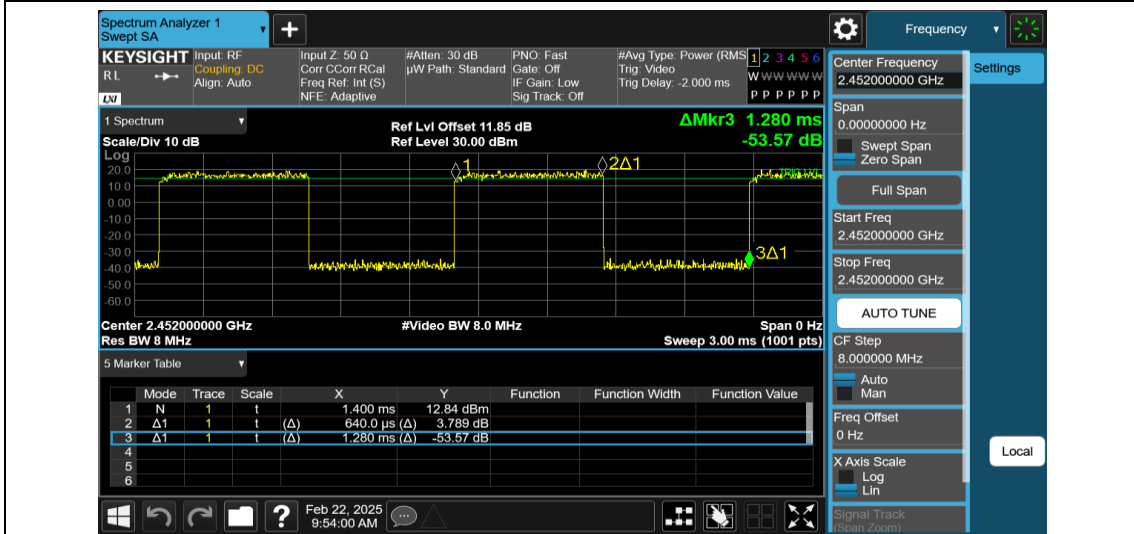
NTNV-11N40MIMO-Ant1-2437



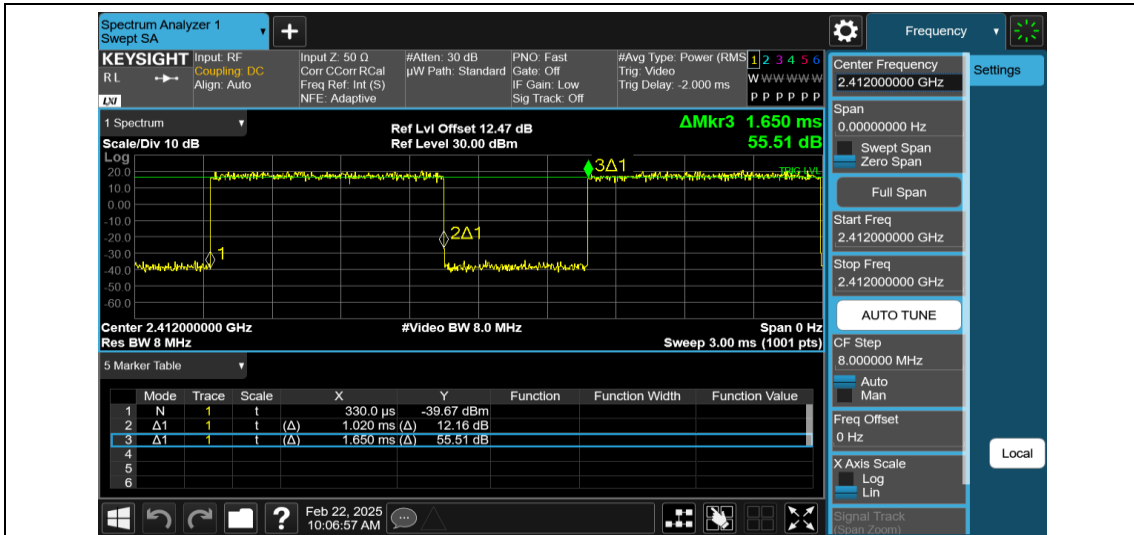
NTNV-11N40MIMO-Ant2-2437



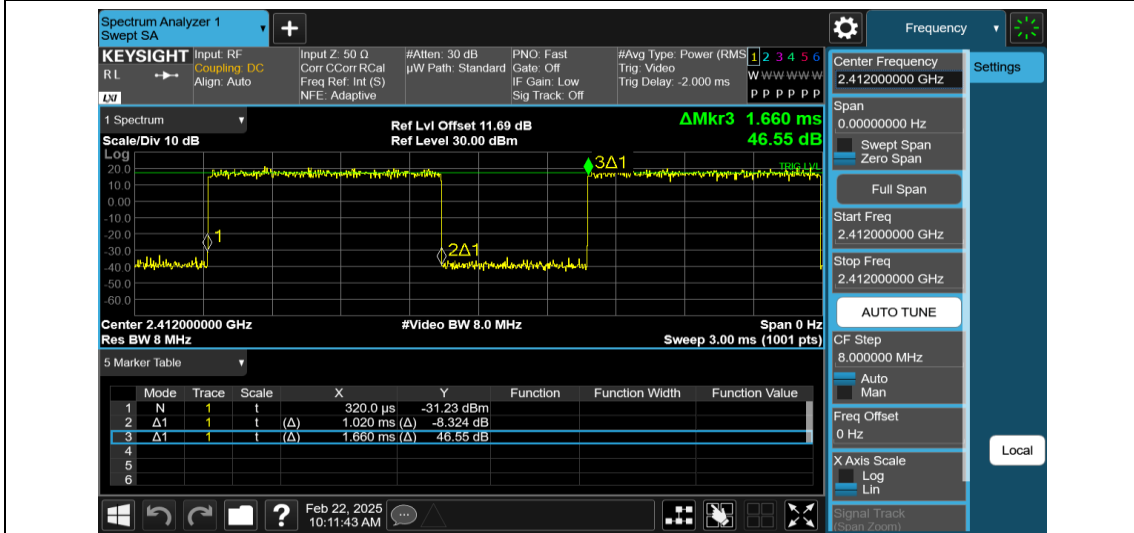
NTNV-11N40MIMO-Ant1-2452



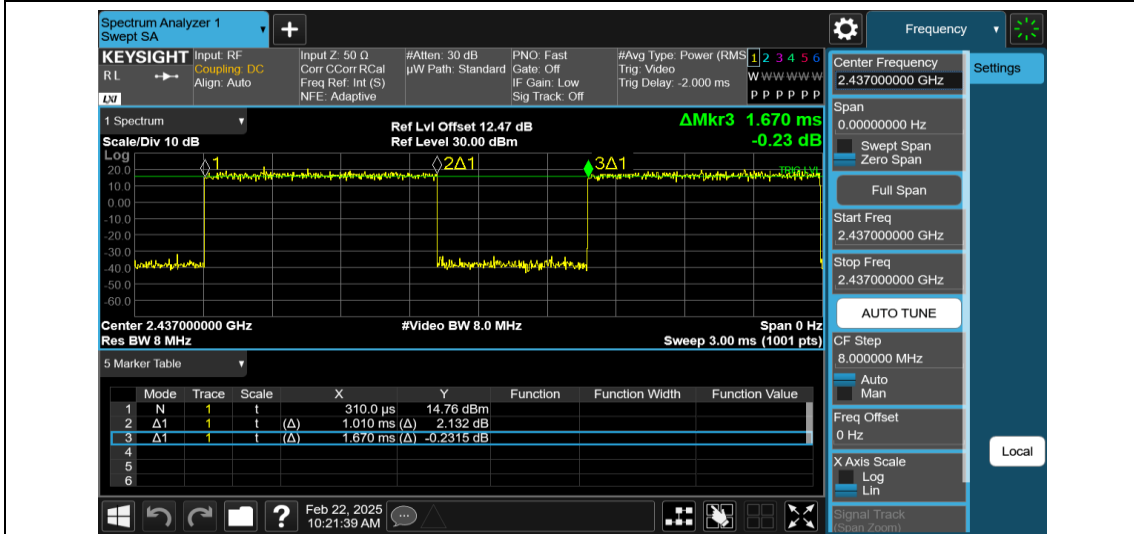
NTNV-11N40MIMO-Ant2-2452



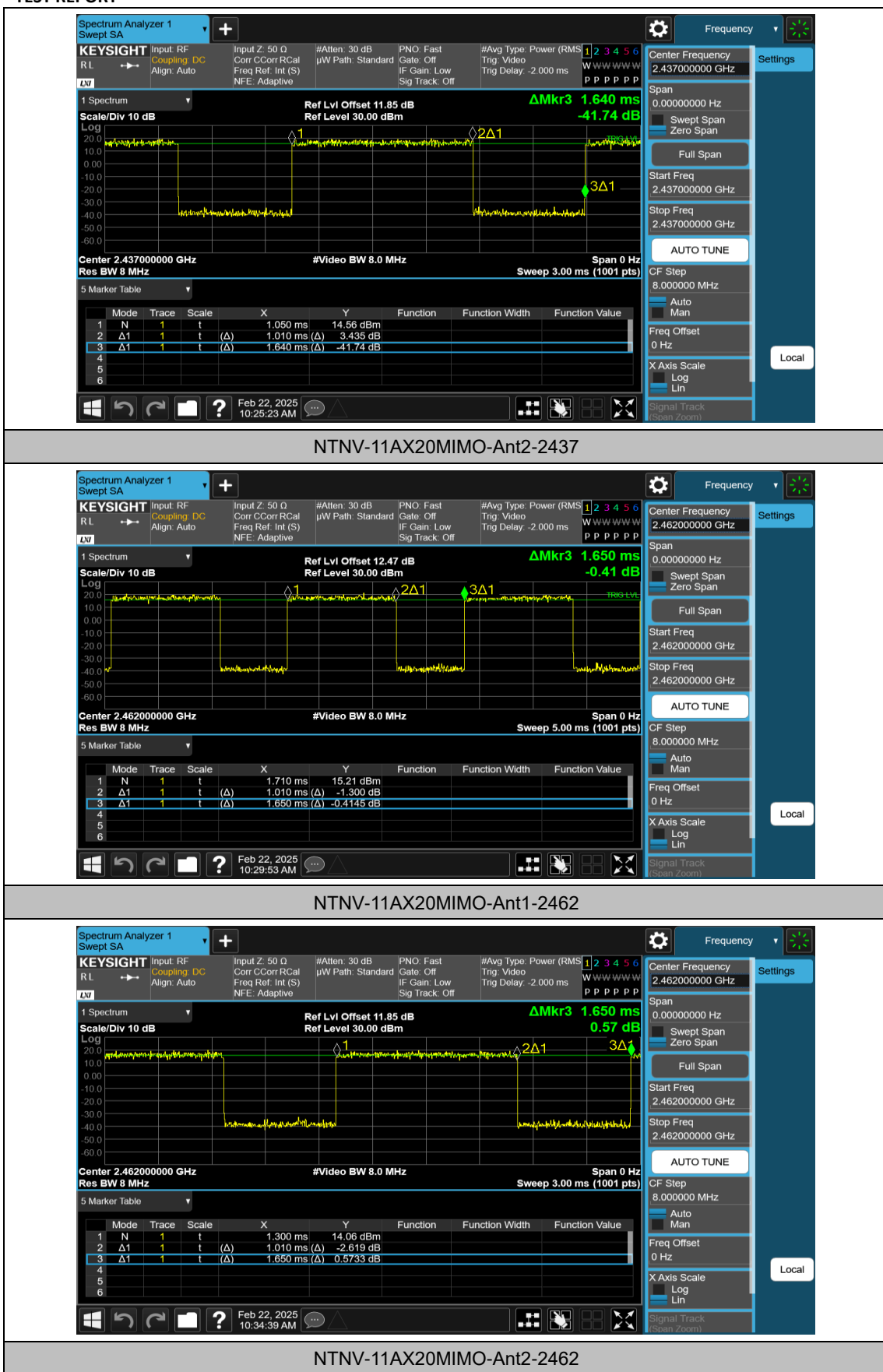
NTNV-11AX20MIMO-Ant1-2412



NTNV-11AX20MIMO-Ant2-2412



NTNV-11AX20MIMO-Ant1-2437



NTNV-11AX20MIMO-Ant2-2437

Spectrum Analyzer 1
Swept SA

KEYSIGHT

Input: RF

Coupling: DC

Align: Auto

Input Z: 50 Ω

Corr C: Corr

R: Cal

Freq Ref: Int (S)

NFE: Adaptive

#Atten: 30 dB

μ W Path: Standard

PNO: Fast

Gate: Off

IF Gain: Low

Sig Track: Off

#Avg Type: Power (RMS)

Trig: Video

Trig Delay: -2.000 ms

1 2 3 4 5 6

W W W W W W

P P P P P P

Center Frequency

2.462000000 GHz

Span

0.00000000 Hz

Swept Span

Zero Span

Full Span

Start Freq

2.462000000 GHz

Stop Freq

2.462000000 GHz

AUTO TUNE

CF Step

8.000000 MHz

Auto

Man

Freq Offset

0 Hz

X Axis Scale

Log

Lin

Signal Track

(Span Zoom)

1 Spectrum

Scale/Div 10 dB

Ref Lvl Offset 12.47 dB

Ref Level 30.00 dBm

Δ Mkr3 1.650 ms

-0.41 dB

Center 2.462000000 GHz

#Video BW 8.0 MHz

Span 0 Hz

Res BW 8 MHz

Sweep 5.00 ms (1001 pts)

5 Marker Table

	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	t	1.710 ms	15.21 dBm			
2	Δ 1	1	t	(Δ)	1.010 ms (Δ)	-1.300 dB		
3	Δ 1	1	t	(Δ)	1.650 ms (Δ)	-0.4145 dB		
4								
5								
6								

Feb 22, 2025

10:29:53 AM

NTNV-11AX20MIMO-Ant1-2462

Spectrum Analyzer 1
Swept SA

KEYSIGHT

Input: RF

Coupling: DC

Align: Auto

Input Z: 50 Ω

Corr C: Corr

R: Cal

Freq Ref: Int (S)

NFE: Adaptive

#Atten: 30 dB

μ W Path: Standard

PNO: Fast

Gate: Off

IF Gain: Low

Sig Track: Off

#Avg Type: Power (RMS)

Trig: Video

Trig Delay: -2.000 ms

1 2 3 4 5 6

W W W W W W

P P P P P P

Center Frequency

2.462000000 GHz

Span

0.00000000 Hz

Swept Span

Zero Span

Full Span

Start Freq

2.462000000 GHz

Stop Freq

2.462000000 GHz

AUTO TUNE

CF Step

8.000000 MHz

Auto

Man

Freq Offset

0 Hz

X Axis Scale

Log

Lin

Signal Track

(Span Zoom)

1 Spectrum

Scale/Div 10 dB

Ref Lvl Offset 11.85 dB

Ref Level 30.00 dBm

Δ Mkr3 1.650 ms

0.57 dB

Center 2.462000000 GHz

#Video BW 8.0 MHz

Span 0 Hz

Res BW 8 MHz

Sweep 3.00 ms (1001 pts)

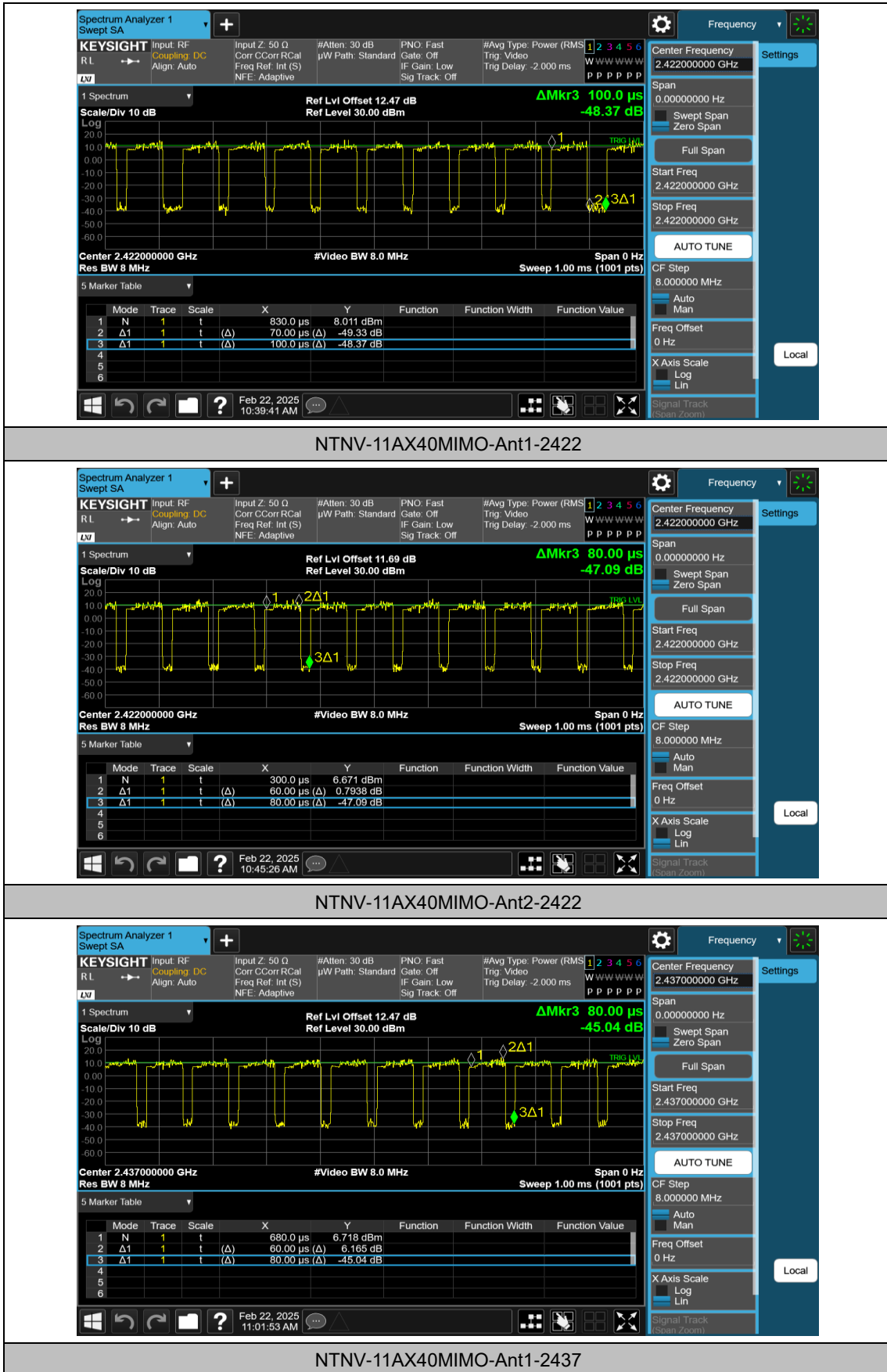
5 Marker Table

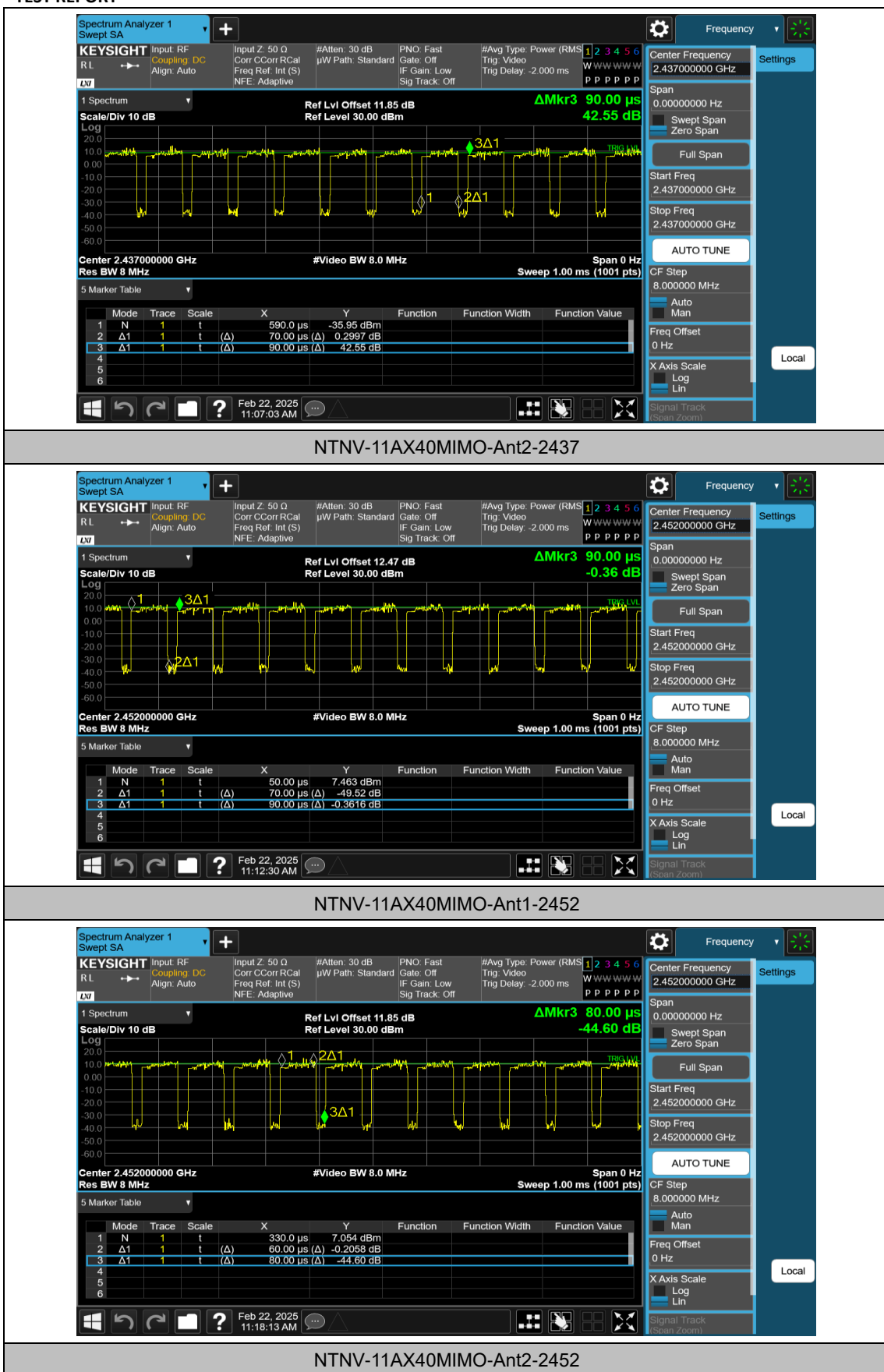
	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	t	1.300 ms	14.06 dBm			
2	Δ 1	1	t	(Δ)	1.010 ms (Δ)	-2.619 dB		
3	Δ 1	1	t	(Δ)	1.650 ms (Δ)	0.5733 dB		
4								
5								
6								

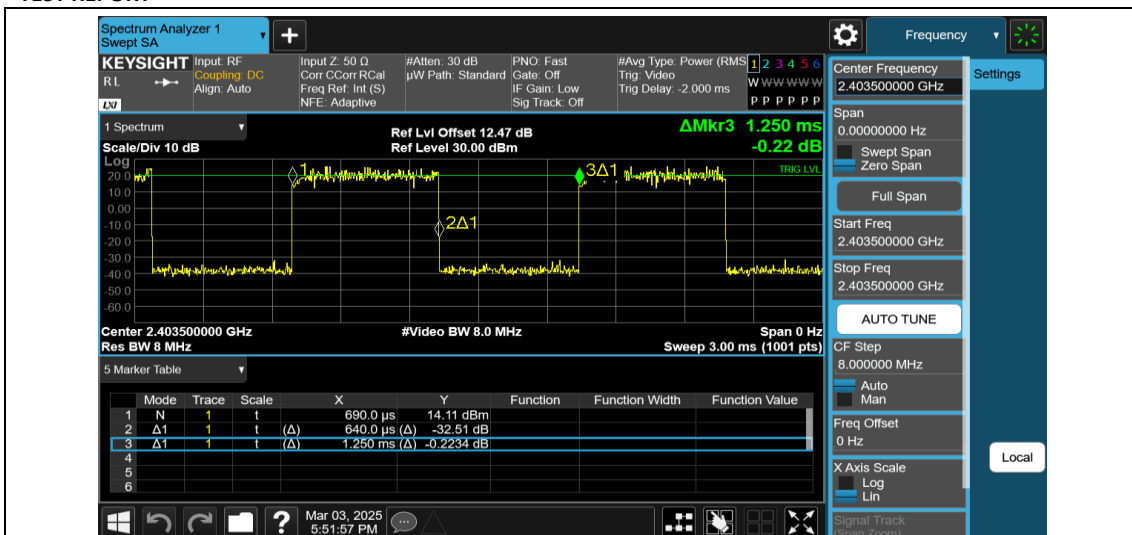
Feb 22, 2025

10:34:39 AM

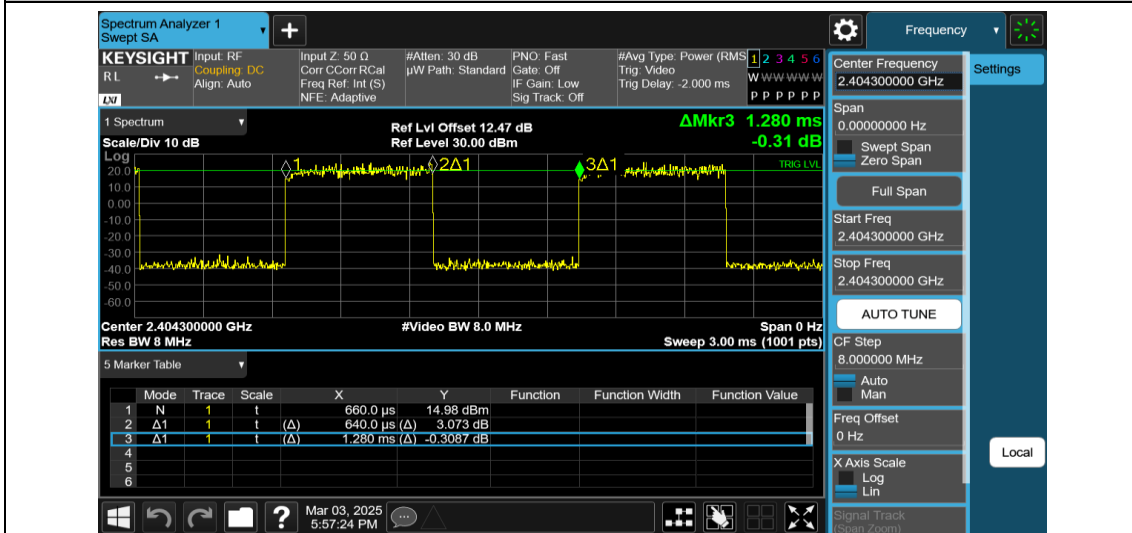
NTNV-11AX20MIMO-Ant2-2462



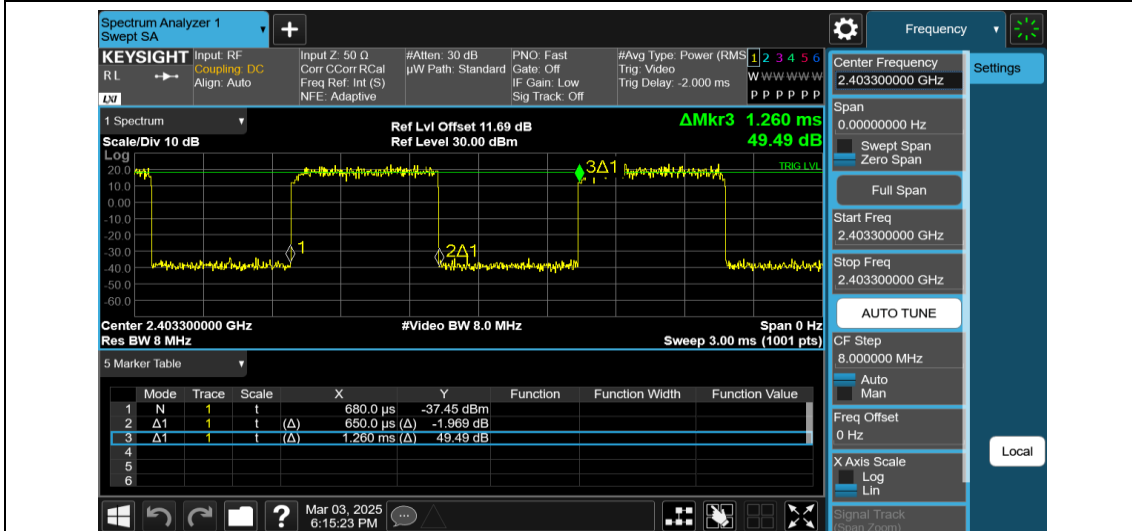




NTNV-11AX20SISO-Ant1-2412-26Tone-RU0



NTNV-11AX20MIMO-Ant1-2412-26Tone-RU0



NTNV-11AX20MIMO-Ant2-2412-26Tone-RU0