

DTS Bandwidth

Full RU Test Result

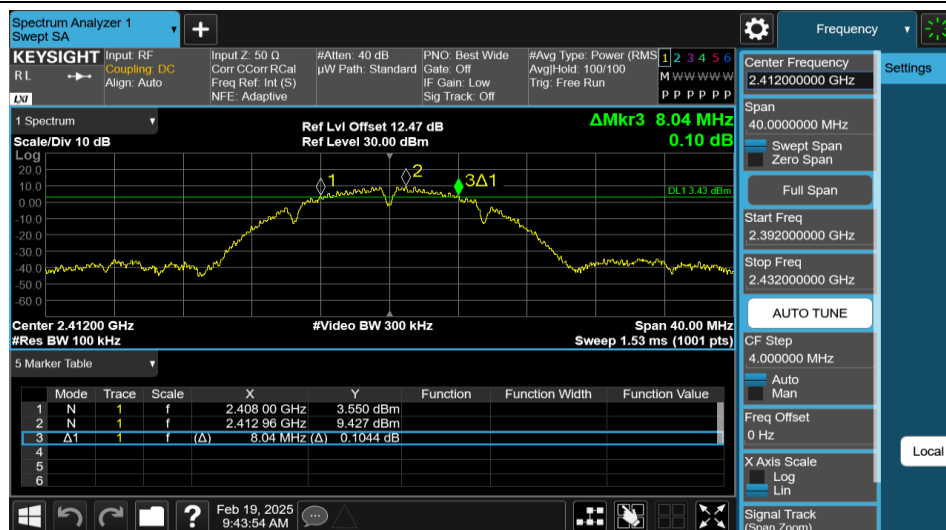
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2408.000	2416.040	0.5	PASS
11B	Ant2	2412	8.080	2407.960	2416.040	0.5	PASS
11B	Ant1	2437	7.600	2432.960	2440.560	0.5	PASS
11B	Ant2	2437	8.040	2432.960	2441.000	0.5	PASS
11B	Ant1	2462	8.040	2457.960	2466.000	0.5	PASS
11B	Ant2	2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant1	2412	12.520	2406.720	2419.240	0.5	PASS
11G	Ant2	2412	12.800	2406.080	2418.880	0.5	PASS
11G	Ant1	2437	14.680	2429.440	2444.120	0.5	PASS
11G	Ant2	2437	16.280	2428.840	2445.120	0.5	PASS
11G	Ant1	2462	14.840	2454.720	2469.560	0.5	PASS
11G	Ant2	2462	15.080	2454.440	2469.520	0.5	PASS
11N20MIMO	Ant1	2412	15.600	2405.120	2420.720	0.5	PASS
11N20MIMO	Ant2	2412	16.680	2404.080	2420.760	0.5	PASS
11N20MIMO	Ant1	2437	16.880	2428.480	2445.360	0.5	PASS
11N20MIMO	Ant2	2437	15.680	2430.080	2445.760	0.5	PASS
11N20MIMO	Ant1	2462	17.520	2453.240	2470.760	0.5	PASS
11N20MIMO	Ant2	2462	16.680	2453.840	2470.520	0.5	PASS
11N40MIMO	Ant1	2422	33.840	2405.680	2439.520	0.5	PASS
11N40MIMO	Ant2	2422	35.040	2403.840	2438.880	0.5	PASS
11N40MIMO	Ant1	2437	33.760	2420.680	2454.440	0.5	PASS
11N40MIMO	Ant2	2437	35.680	2419.480	2455.160	0.5	PASS
11N40MIMO	Ant1	2452	31.440	2434.400	2465.840	0.5	PASS
11N40MIMO	Ant2	2452	35.120	2434.400	2469.520	0.5	PASS
11AX20MIMO	Ant1	2412	16.080	2403.720	2419.800	0.5	PASS
11AX20MIMO	Ant2	2412	16.960	2402.600	2419.560	0.5	PASS
11AX20MIMO	Ant1	2437	17.880	2427.880	2445.760	0.5	PASS
11AX20MIMO	Ant2	2437	18.200	2428.280	2446.480	0.5	PASS
11AX20MIMO	Ant1	2462	18.040	2453.240	2471.280	0.5	PASS
11AX20MIMO	Ant2	2462	15.720	2455.080	2470.800	0.5	PASS
11AX40MIMO	Ant1	2422	36.240	2403.280	2439.520	0.5	PASS
11AX40MIMO	Ant2	2422	37.680	2403.120	2440.800	0.5	PASS
11AX40MIMO	Ant1	2437	36.240	2418.280	2454.520	0.5	PASS
11AX40MIMO	Ant2	2437	36.320	2419.480	2455.800	0.5	PASS
11AX40MIMO	Ant1	2452	35.120	2434.400	2469.520	0.5	PASS
11AX40MIMO	Ant2	2452	35.120	2434.400	2469.520	0.5	PASS

Partial RU Test Result

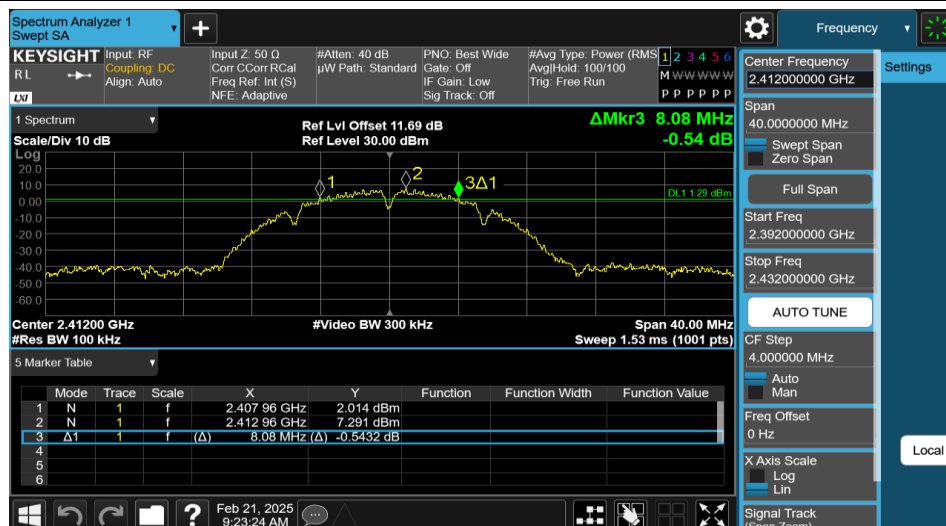
Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11AX20SISO	Ant1	2412	26Tone	RU0	2.080	2402.480	2404.560	0.5	PASS
11AX20MIMO	Ant1	2412	26Tone	RU0	2.040	2402.520	2404.560	0.5	PASS
11AX20MIMO	Ant2	2412	26Tone	RU0	2.000	2402.520	2404.520	0.5	PASS
11AX20MIMO	Ant1	2412	52Tone	RU37	4.040	2402.480	2406.520	0.5	PASS
11AX20MIMO	Ant2	2412	52Tone	RU37	4.520	2402.480	2407.000	0.5	PASS
11AX20MIMO	Ant1	2412	106Tone	RU53	17.080	2402.440	2419.520	0.5	PASS
11AX20MIMO	Ant2	2412	106Tone	RU53	8.280	2402.440	2410.720	0.5	PASS
11AX20MIMO	Ant1	2412	242Tone	RU61	18.360	2402.960	2421.320	0.5	PASS
11AX20MIMO	Ant2	2412	242Tone	RU61	17.000	2402.480	2419.480	0.5	PASS
11AX20MIMO	Ant1	2437	26Tone	RU0	2.040	2427.480	2429.520	0.5	PASS
11AX20MIMO	Ant2	2437	26Tone	RU0	2.040	2427.480	2429.520	0.5	PASS
11AX20MIMO	Ant1	2437	52Tone	RU37	4.080	2427.440	2431.520	0.5	PASS
11AX20MIMO	Ant2	2437	52Tone	RU37	14.480	2427.520	2442.000	0.5	PASS
11AX20MIMO	Ant1	2437	106Tone	RU53	17.120	2427.400	2444.520	0.5	PASS
11AX20MIMO	Ant2	2437	106Tone	RU53	17.080	2427.440	2444.520	0.5	PASS
11AX20MIMO	Ant1	2437	242Tone	RU61	17.040	2427.520	2444.560	0.5	PASS
11AX20MIMO	Ant2	2437	242Tone	RU61	18.680	2427.680	2446.360	0.5	PASS
11AX20MIMO	Ant1	2462	26Tone	RU0	2.040	2452.520	2454.560	0.5	PASS
11AX20MIMO	Ant2	2462	26Tone	RU0	2.040	2452.520	2454.560	0.5	PASS
11AX20MIMO	Ant1	2462	52Tone	RU37	17.120	2452.400	2469.520	0.5	PASS
11AX20MIMO	Ant2	2462	52Tone	RU37	17.080	2452.440	2469.520	0.5	PASS
11AX20MIMO	Ant1	2462	106Tone	RU53	17.120	2452.400	2469.520	0.5	PASS
11AX20MIMO	Ant2	2462	106Tone	RU53	17.040	2452.480	2469.520	0.5	PASS
11AX20MIMO	Ant1	2462	242Tone	RU61	18.680	2452.800	2471.480	0.5	PASS
11AX20MIMO	Ant2	2462	242Tone	RU61	17.840	2453.440	2471.280	0.5	PASS
11AX40MIMO	Ant1	2422	26Tone	RU0	2.000	2402.960	2404.960	0.5	PASS
11AX40MIMO	Ant2	2422	26Tone	RU0	2.080	2402.960	2405.040	0.5	PASS
11AX40MIMO	Ant1	2422	52Tone	RU37	16.480	2402.960	2419.440	0.5	PASS
11AX40MIMO	Ant2	2422	52Tone	RU37	16.480	2402.960	2419.440	0.5	PASS
11AX40MIMO	Ant1	2422	106Tone	RU53	16.560	2402.960	2419.520	0.5	PASS
11AX40MIMO	Ant2	2422	106Tone	RU53	16.480	2402.960	2419.440	0.5	PASS
11AX40MIMO	Ant1	2422	484Tone	RU65	35.040	2403.200	2438.240	0.5	PASS
11AX40MIMO	Ant2	2422	484Tone	RU65	37.120	2403.120	2440.240	0.5	PASS
11AX40MIMO	Ant1	2437	26Tone	RU0	2.000	2417.960	2419.960	0.5	PASS
11AX40MIMO	Ant2	2437	26Tone	RU0	2.000	2417.960	2419.960	0.5	PASS
11AX40MIMO	Ant1	2437	52Tone	RU37	14.000	2418.040	2432.040	0.5	PASS
11AX40MIMO	Ant2	2437	52Tone	RU37	16.560	2417.960	2434.520	0.5	PASS
11AX40MIMO	Ant1	2437	106Tone	RU53	16.640	2417.960	2434.600	0.5	PASS

11AX40MIMO	Ant2	2437	106Tone	RU53	16.640	2417.960	2434.600	0.5	PASS
11AX40MIMO	Ant1	2437	484Tone	RU65	32.800	2418.520	2451.320	0.5	PASS
11AX40MIMO	Ant2	2437	484Tone	RU65	37.840	2418.680	2456.520	0.5	PASS
11AX40MIMO	Ant1	2452	26Tone	RU0	2.080	2432.960	2435.040	0.5	PASS
11AX40MIMO	Ant2	2452	26Tone	RU0	2.000	2432.960	2434.960	0.5	PASS
11AX40MIMO	Ant1	2452	52Tone	RU37	16.560	2432.880	2449.440	0.5	PASS
11AX40MIMO	Ant2	2452	52Tone	RU37	16.560	2432.880	2449.440	0.5	PASS
11AX40MIMO	Ant1	2452	106Tone	RU53	16.560	2432.960	2449.520	0.5	PASS
11AX40MIMO	Ant2	2452	106Tone	RU53	16.560	2432.960	2449.520	0.5	PASS
11AX40MIMO	Ant1	2452	242Tone	RU61	18.800	2432.880	2451.680	0.5	PASS
11AX40MIMO	Ant2	2452	242Tone	RU61	18.800	2432.880	2451.680	0.5	PASS
11AX40MIMO	Ant1	2452	484Tone	RU65	36.800	2433.040	2469.840	0.5	PASS
11AX40MIMO	Ant2	2452	484Tone	RU65	36.080	2433.440	2469.520	0.5	PASS

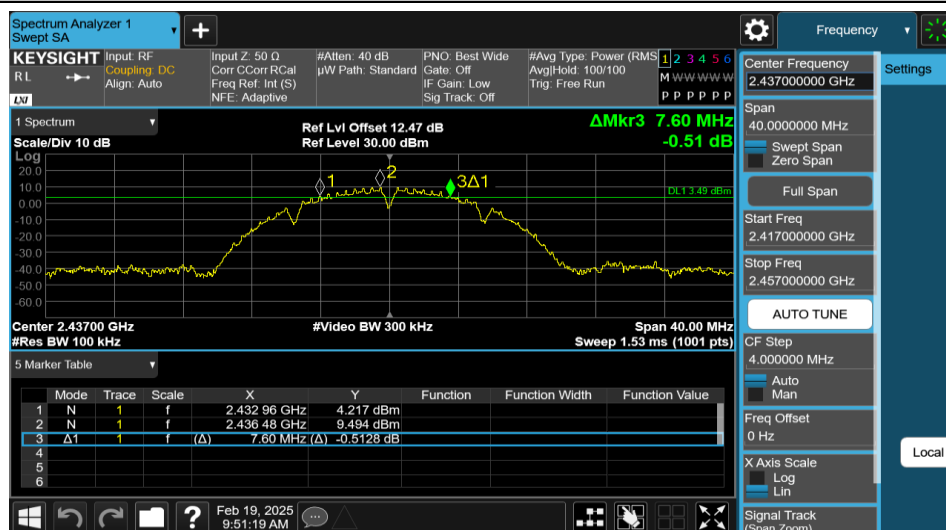
Test Graphs



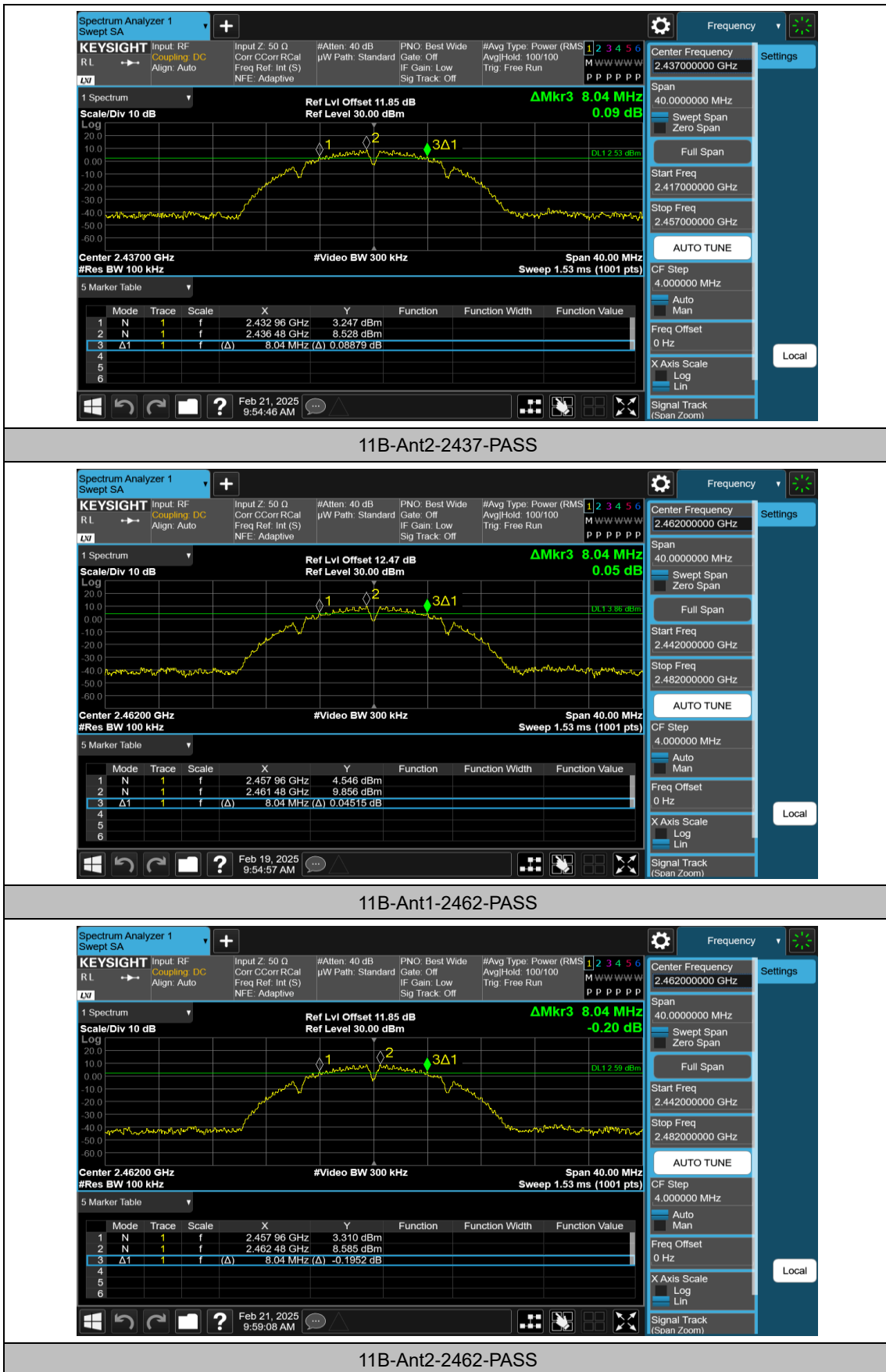
11B-Ant1-2412-PASS

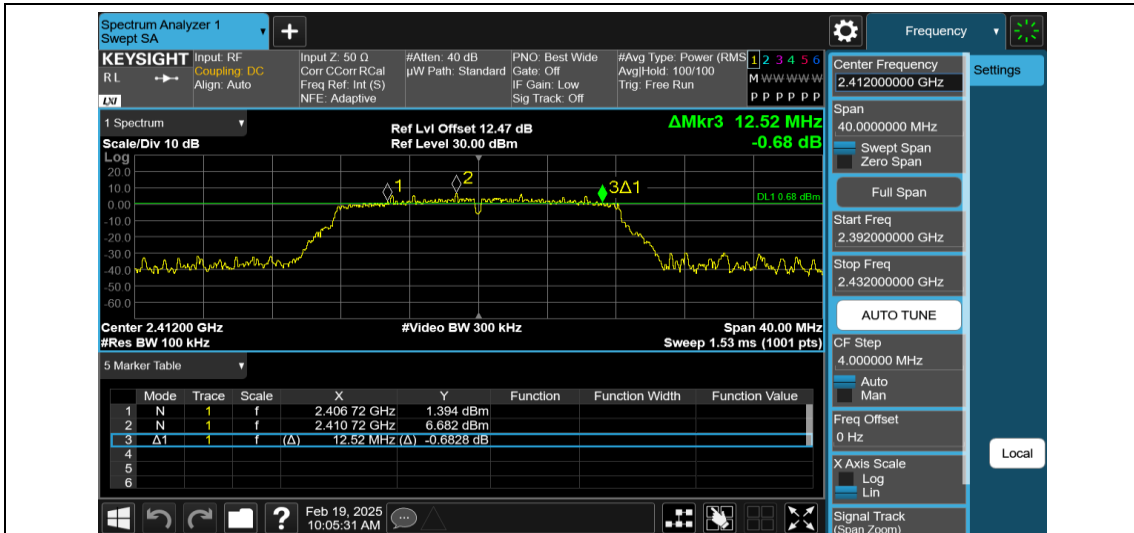


11B-Ant2-2412-PASS

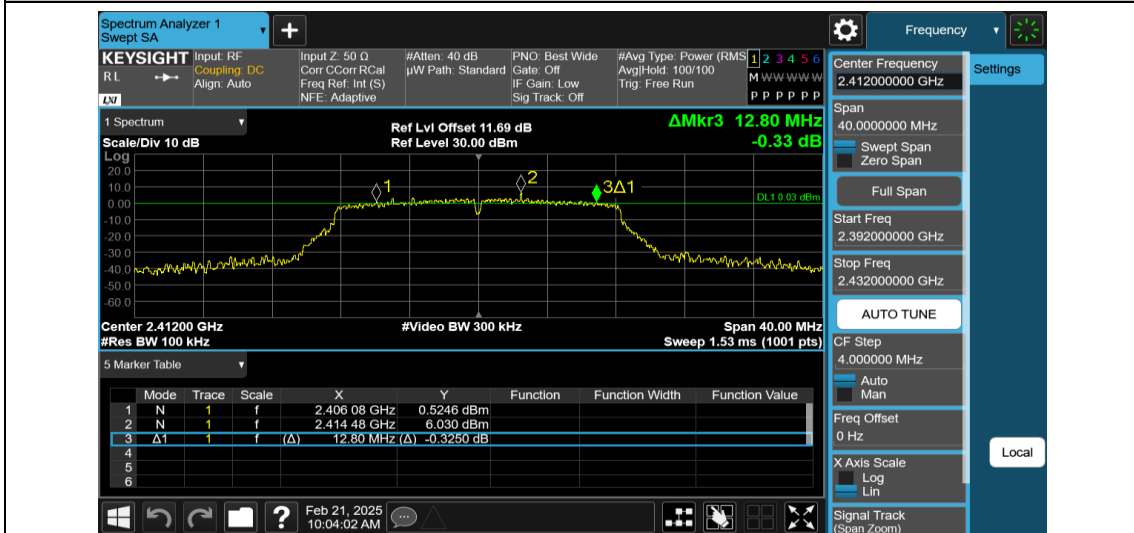


11B-Ant1-2437-PASS

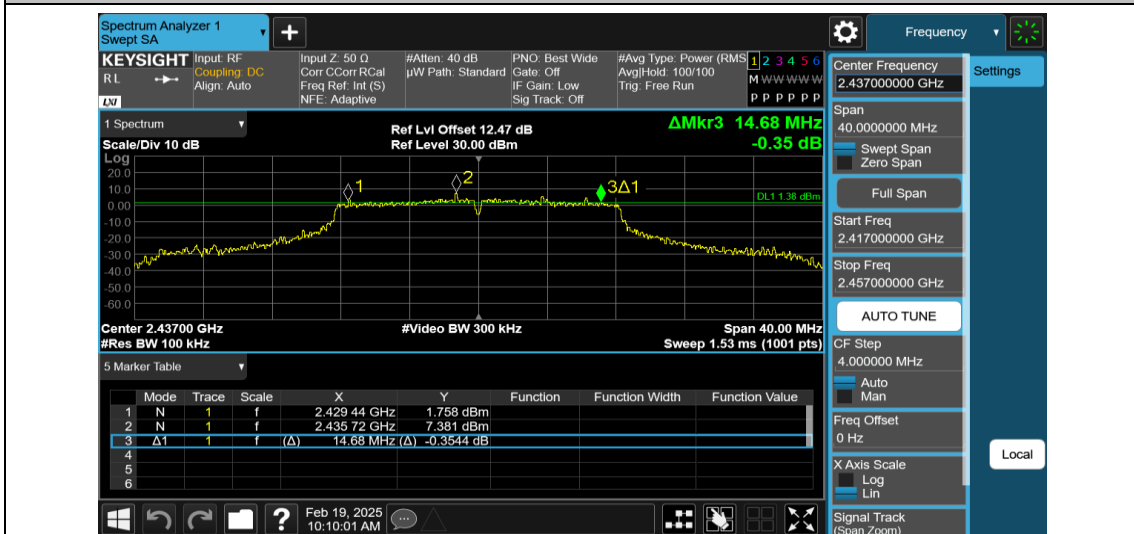




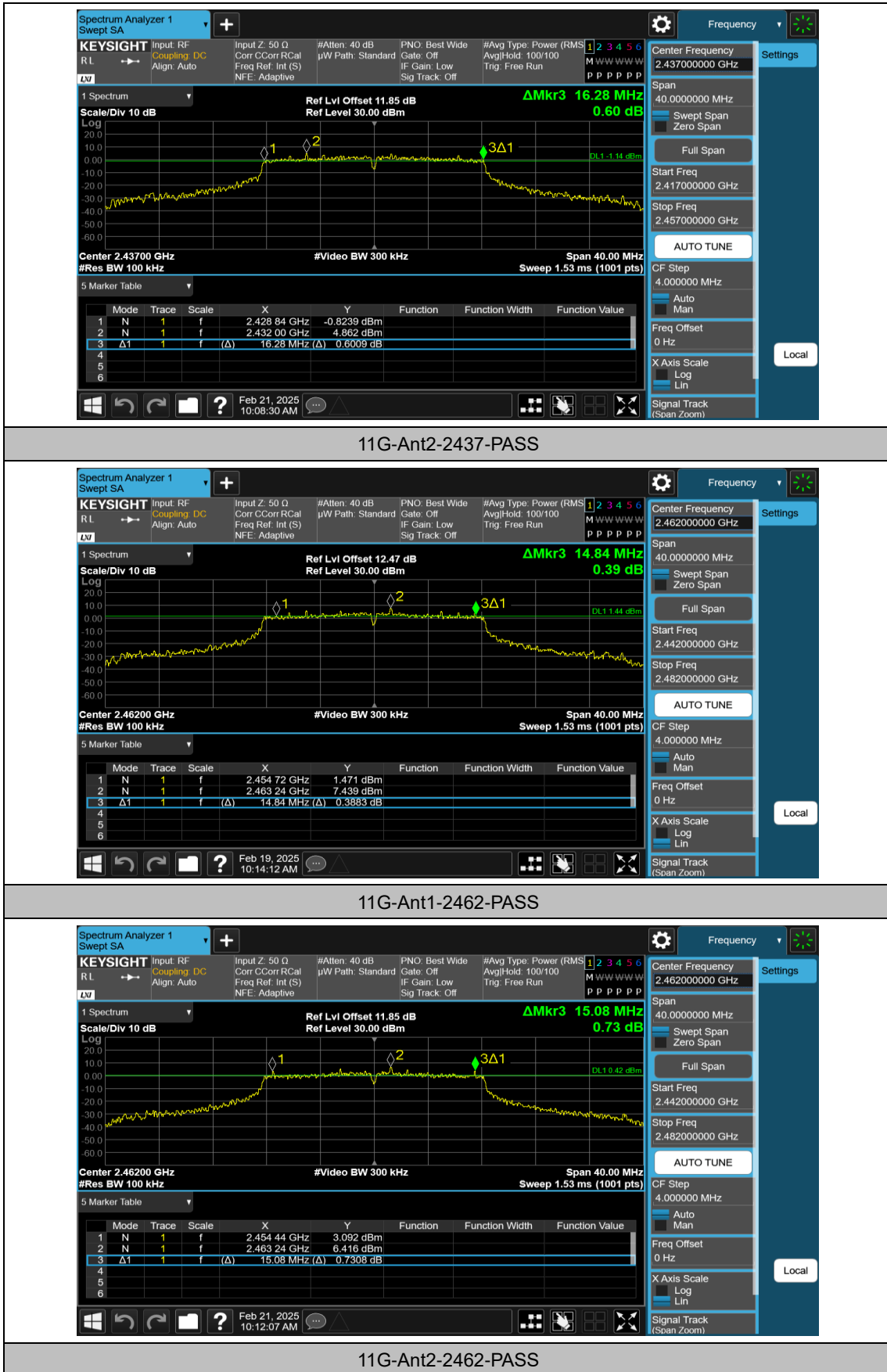
11G-Ant1-2412-PASS

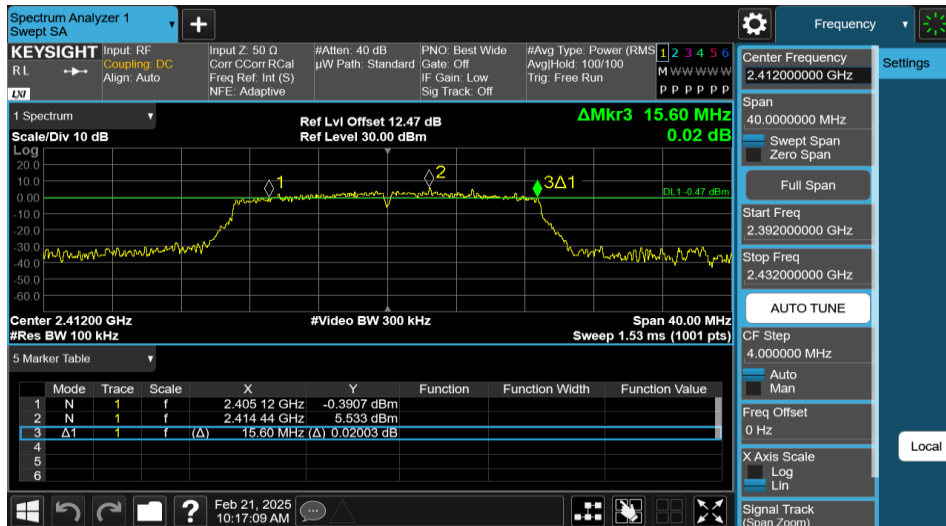


11G-Ant2-2412-PASS

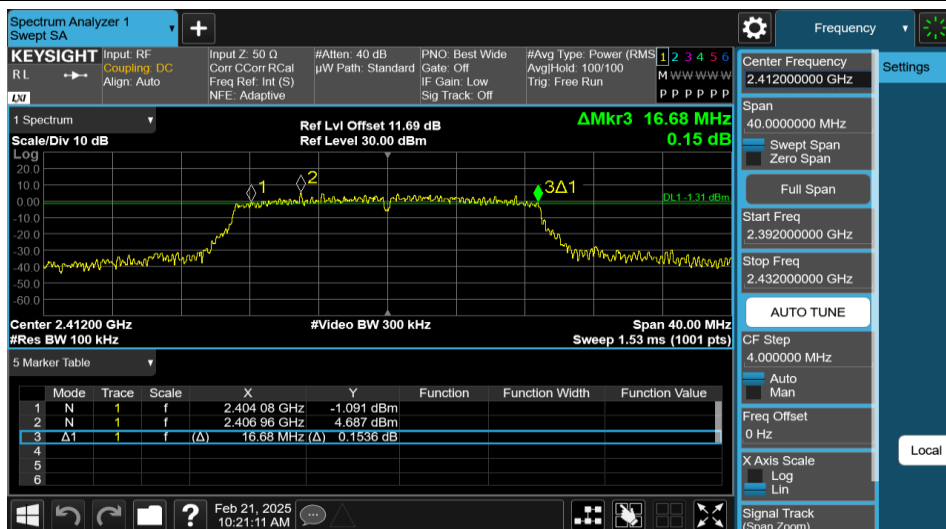


11G-Ant1-2437-PASS

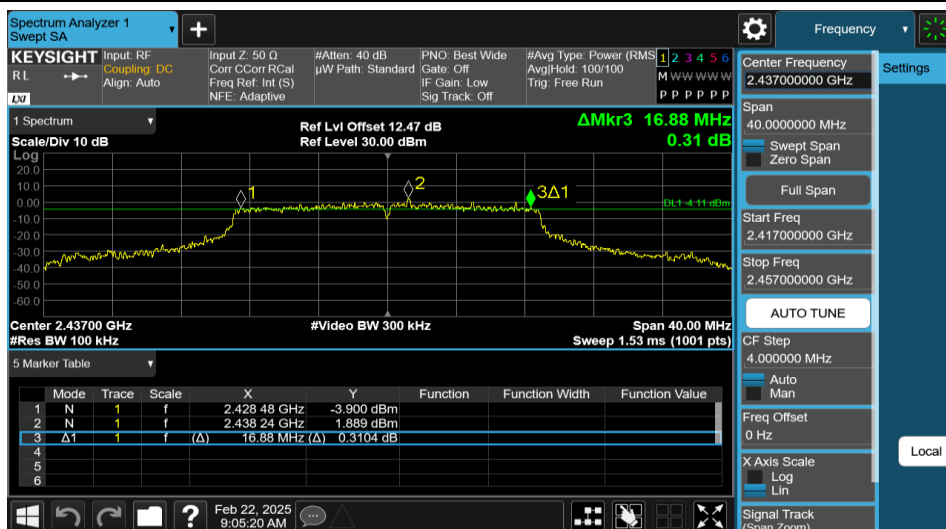




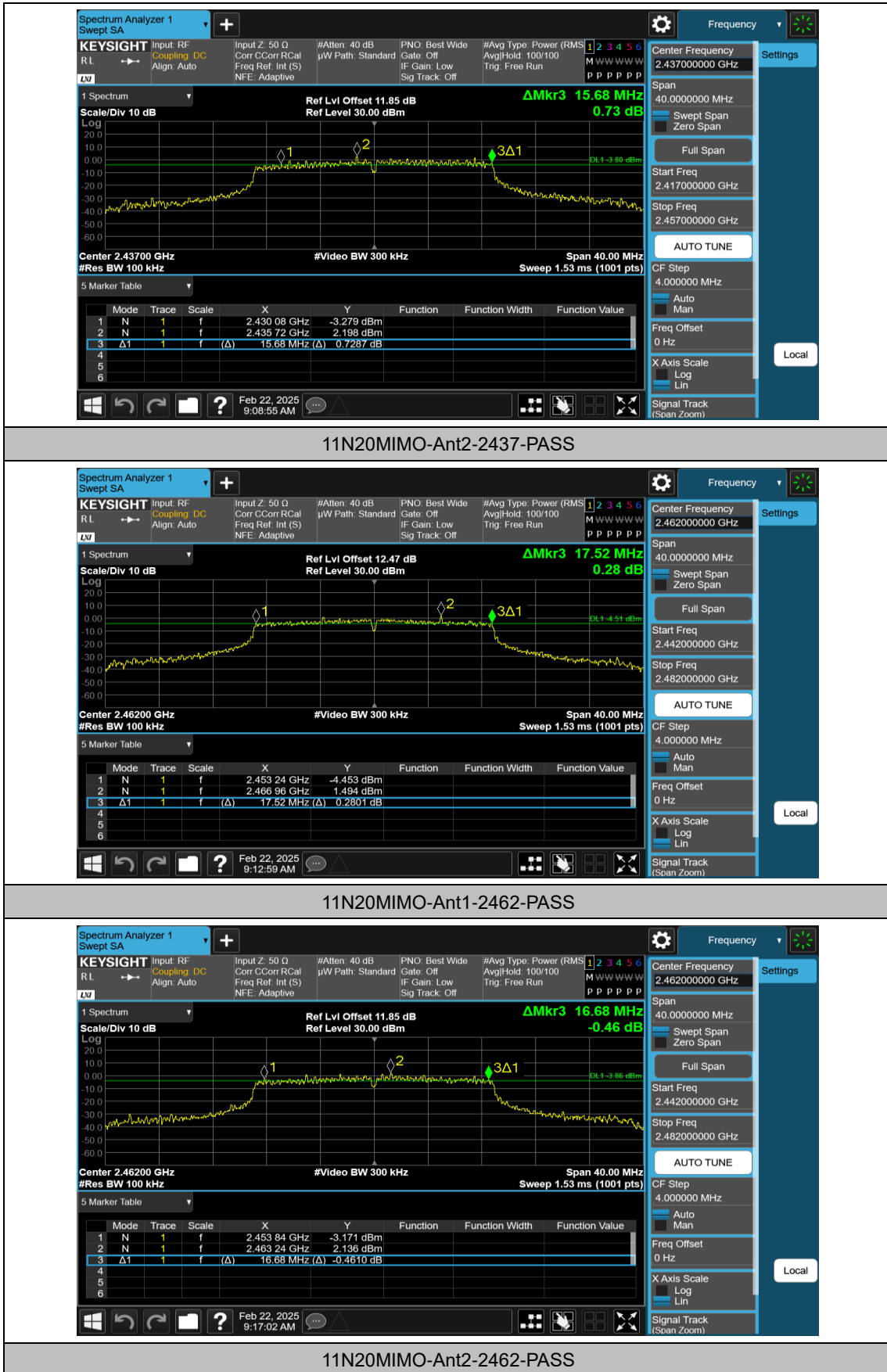
11N20MIMO-Ant1-2412-PASS

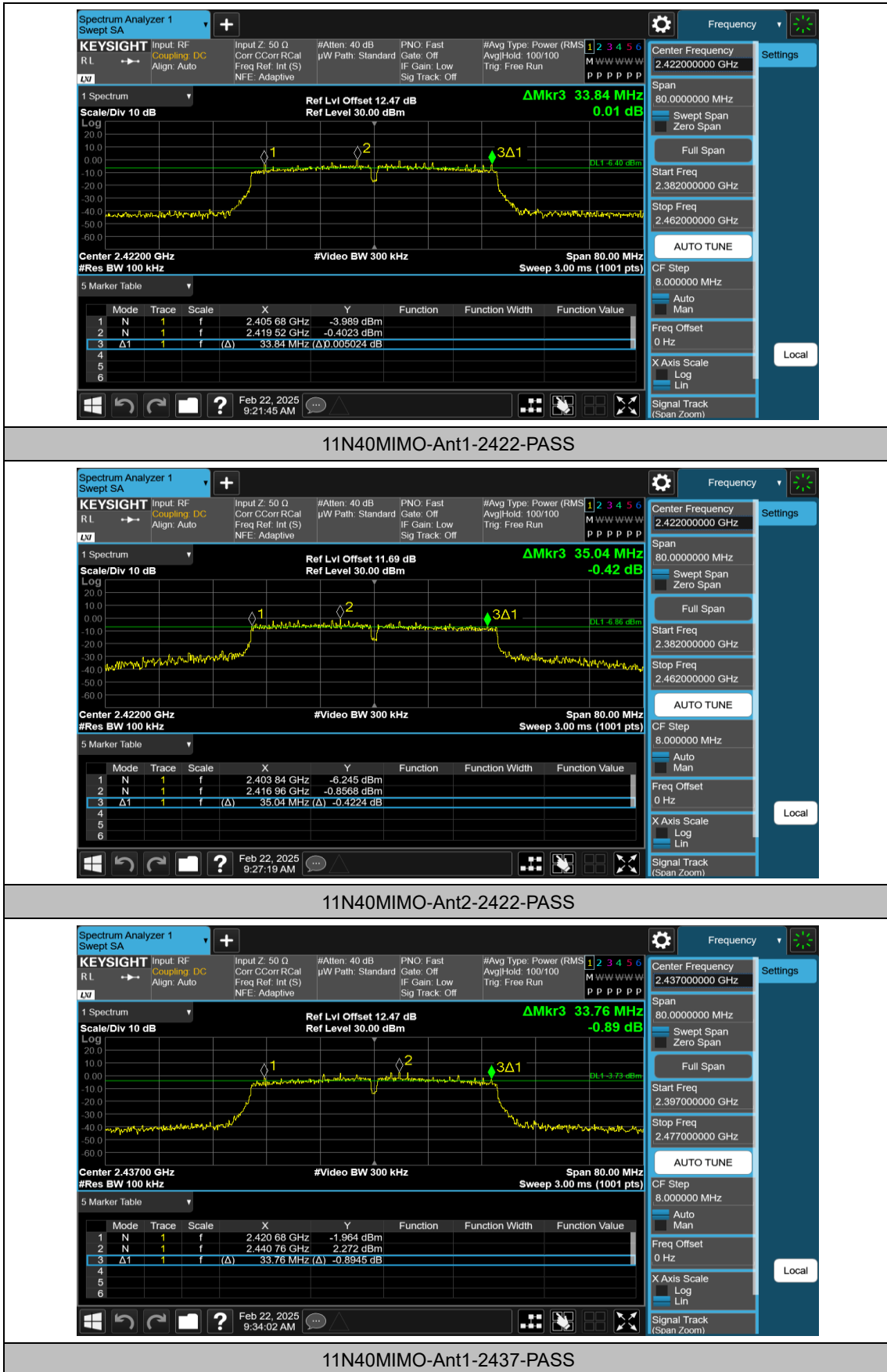


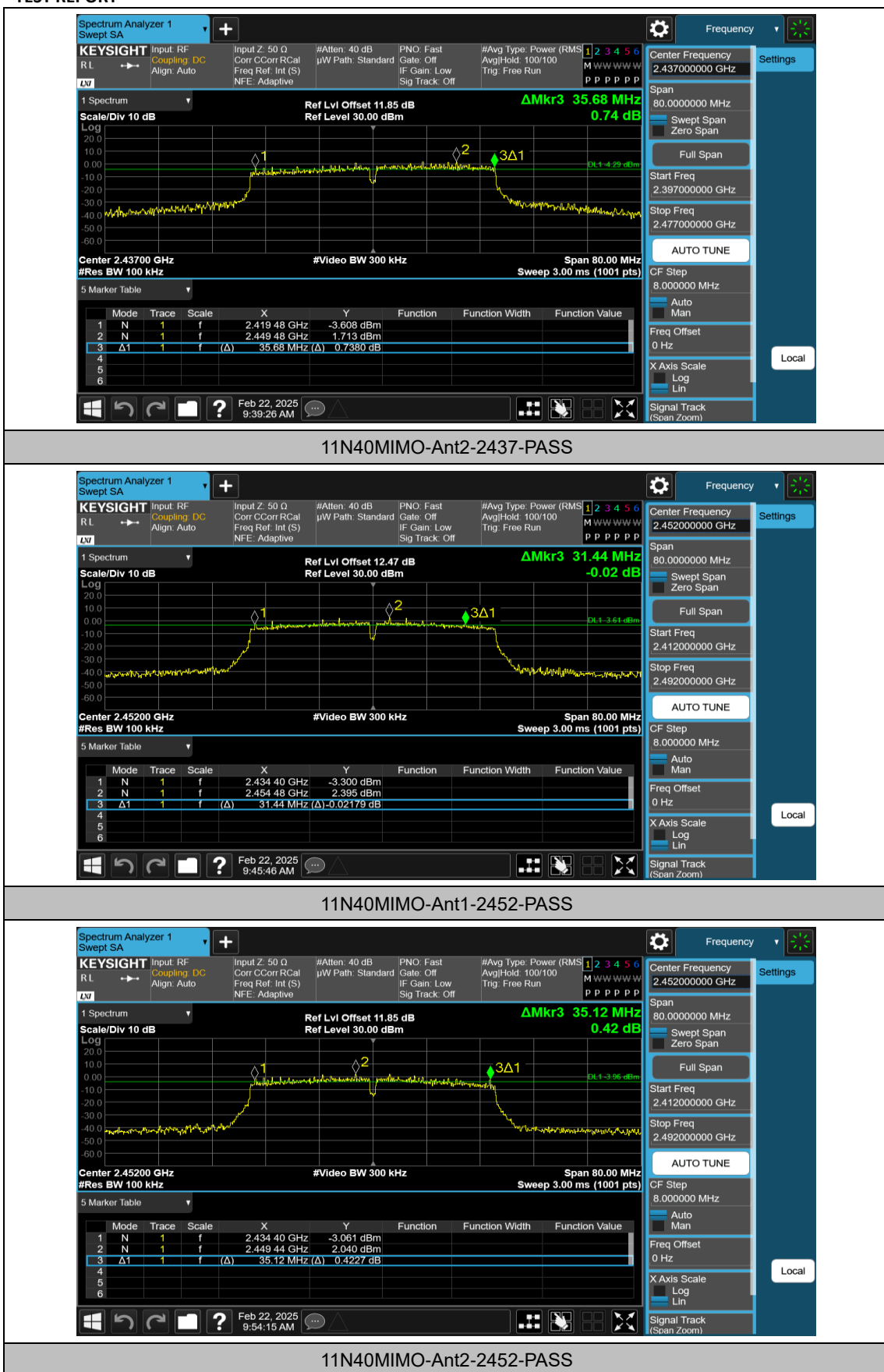
11N20MIMO-Ant2-2412-PASS

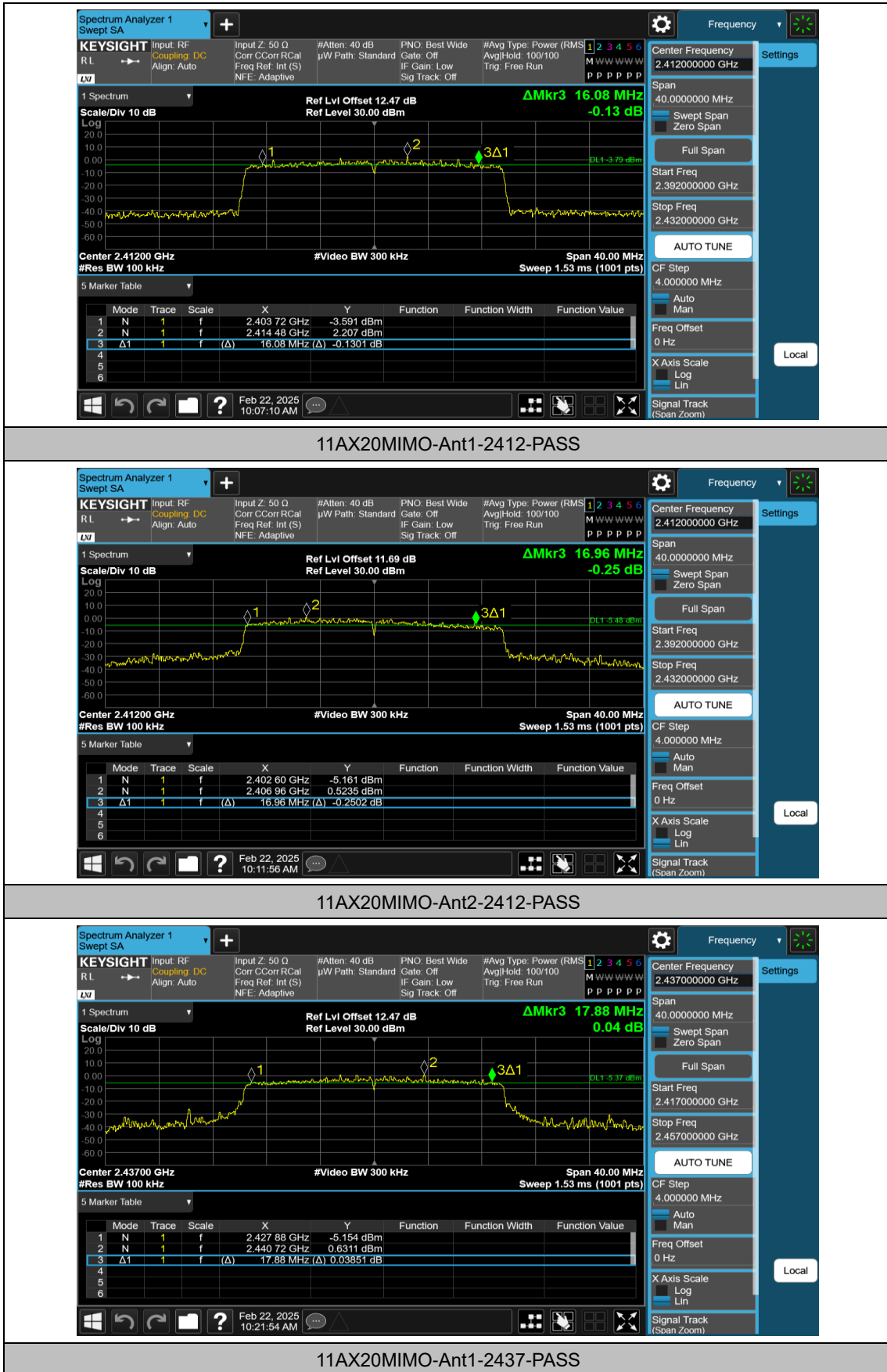


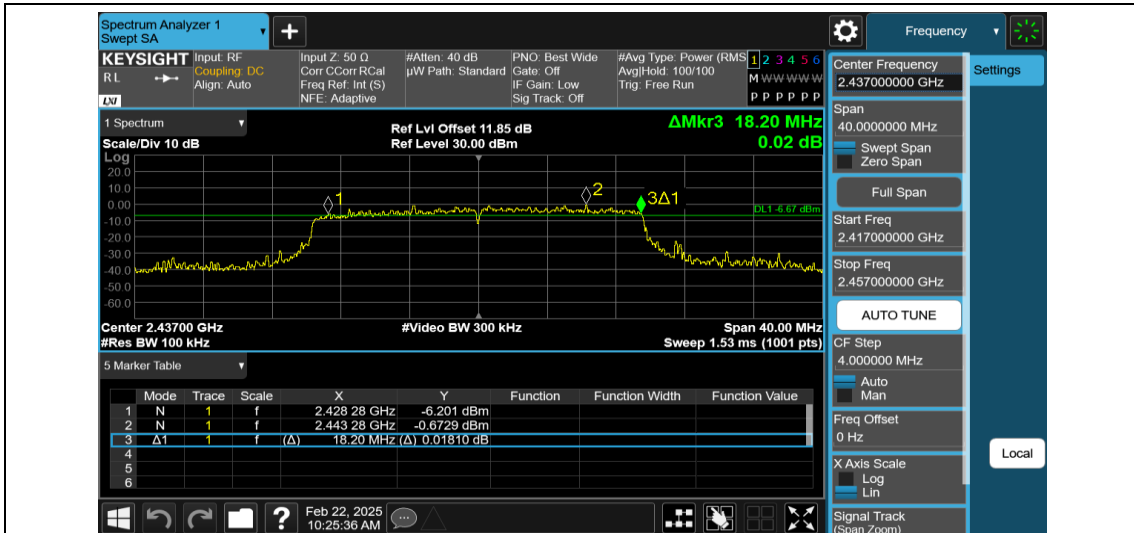
11N20MIMO-Ant1-2437-PASS



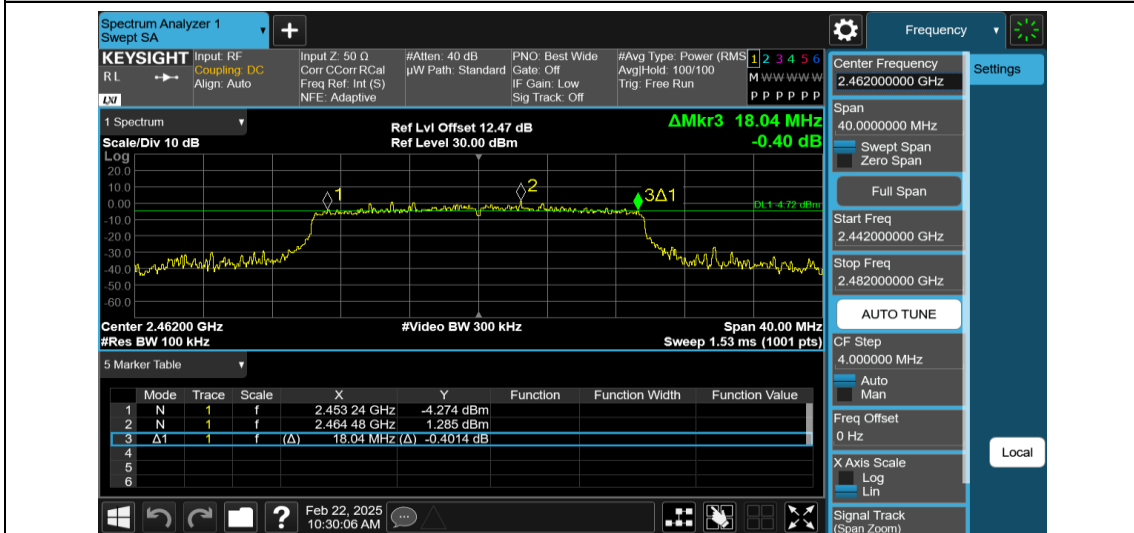




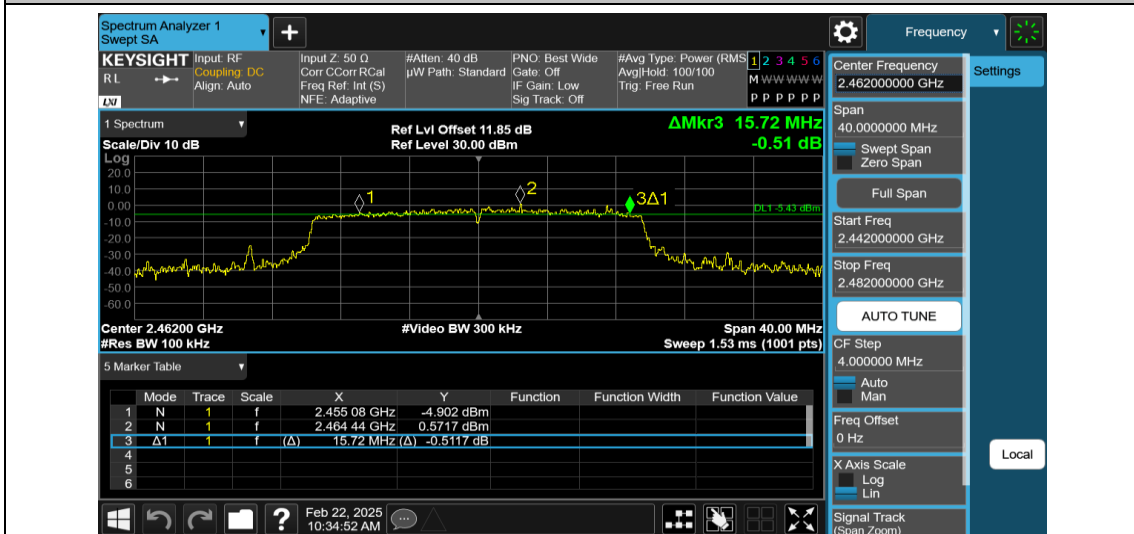




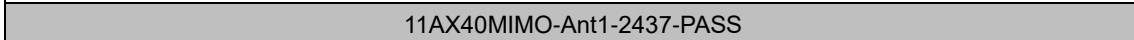
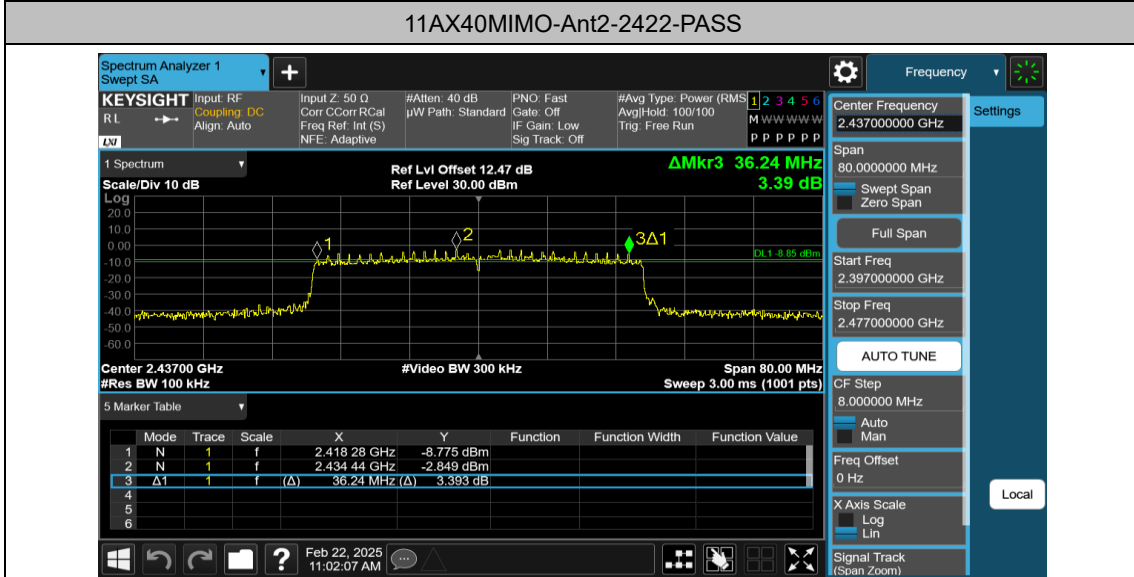
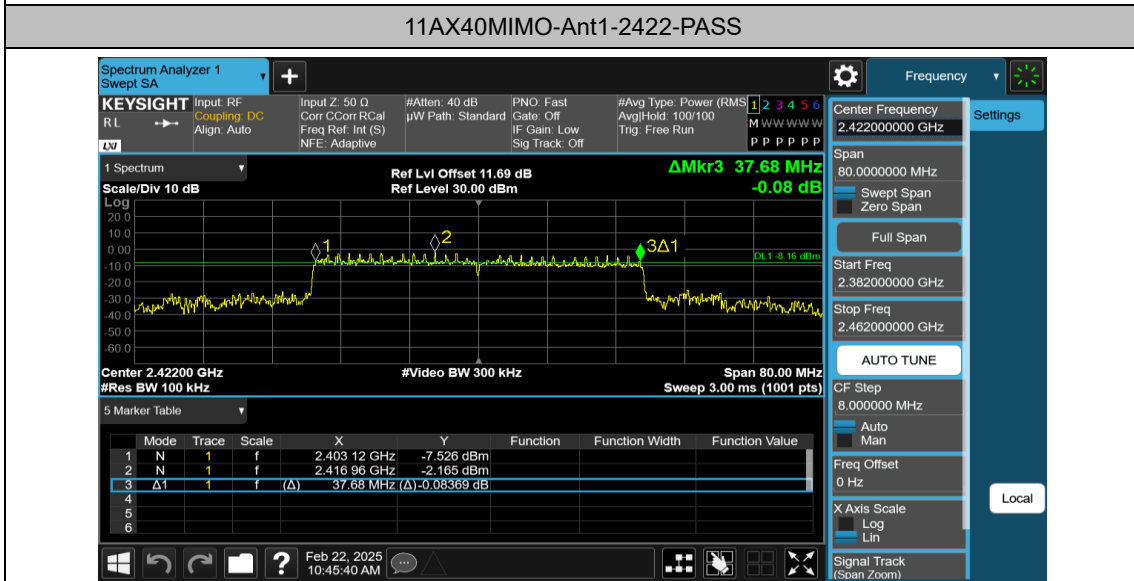
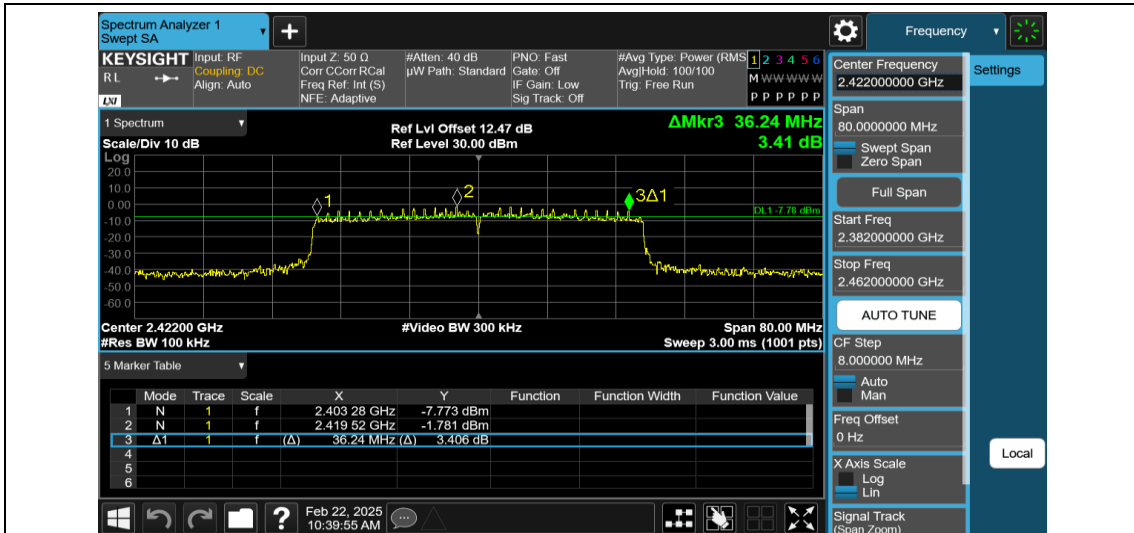
11AX20MIMO-Ant2-2437-PASS

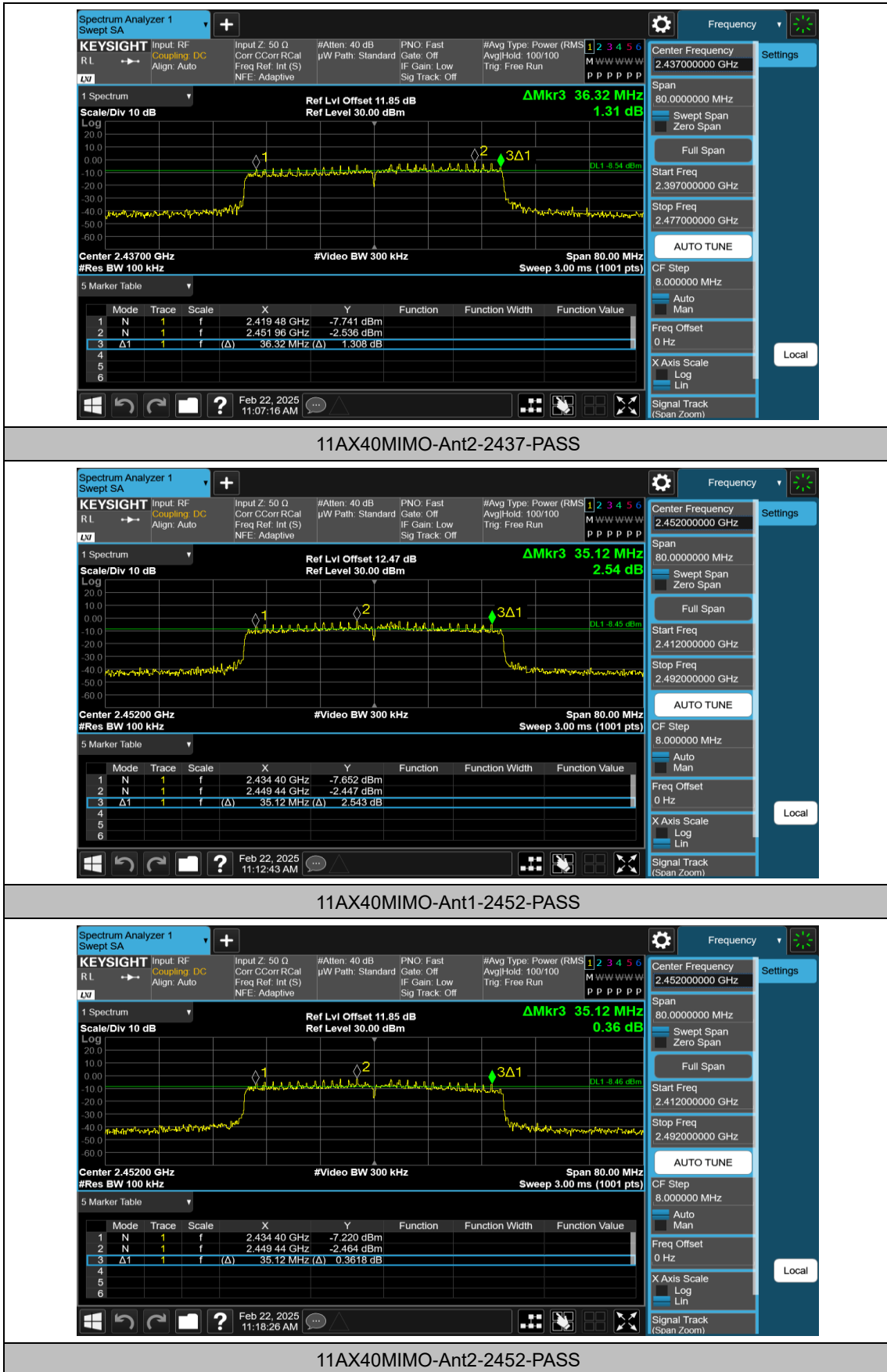


11AX20MIMO-Ant1-2462-PASS



11AX20MIMO-Ant2-2462-PASS





11AX40MIMO-Ant2-2437-PASS

Spectrum Analyzer 1

Swept SA

KEYSIGHT

Input: RF

Coupling: DC

Align: Auto

Input Z: 50 Ω

Corr: C

Corr: R

Cal: Int (S)

NFE: Adaptive

#Atten: 40 dB

μ W Path: Standard

PNO: Fast

Gate: Off

IF Gain: Low

Sig Track: Off

#Avg Type: Power (RMS)

Avg/Hold: 100/100

Trig: Free Run

1 2 3 4 5 6

M W W W W W

P P P P P P

Center Frequency

2.45200000 GHz

Span

80.0000000 MHz

Swept Span

Zero Span

Full Span

Start Freq

2.412000000 GHz

Stop Freq

2.492000000 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

Log

Ref Lvl Offset 12.47 dB

Ref Level 30.00 dBm

Δ Mkr3 35.12 MHz

2.54 dB

DL1 -8.45 dBm

Center 2.45200 GHz

#Res BW 100 kHz

#Video BW 300 kHz

Span 80.00 MHz

Sweep 3.00 ms (1001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.434 40 GHz	-7.652 dBm		
2	N	1	f	2.449 44 GHz	-2.447 dBm		
3	Δ 1	1	f	(Δ) 35.12 MHz (Δ)	2.543 dB		
4							
5							
6							

Feb 22, 2025

11:12:43 AM

11AX40MIMO-Ant1-2452-PASS

Spectrum Analyzer 1

Swept SA

KEYSIGHT

Input: RF

Coupling: DC

Align: Auto

Input Z: 50 Ω

Corr: C

Corr: R

Cal: Int (S)

NFE: Adaptive

#Atten: 40 dB

μ W Path: Standard

PNO: Fast

Gate: Off

IF Gain: Low

Sig Track: Off

#Avg Type: Power (RMS)

Avg/Hold: 100/100

Trig: Free Run

1 2 3 4 5 6

M W W W W W

P P P P P P

Center Frequency

2.45200000 GHz

Span

80.0000000 MHz

Swept Span

Zero Span

Full Span

Start Freq

2.412000000 GHz

Stop Freq

2.492000000 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

Log

Ref Lvl Offset 11.85 dB

Ref Level 30.00 dBm

Δ Mkr3 35.12 MHz

0.36 dB

DL1 -8.46 dBm

Center 2.45200 GHz

#Res BW 100 kHz

#Video BW 300 kHz

Span 80.00 MHz

Sweep 3.00 ms (1001 pts)

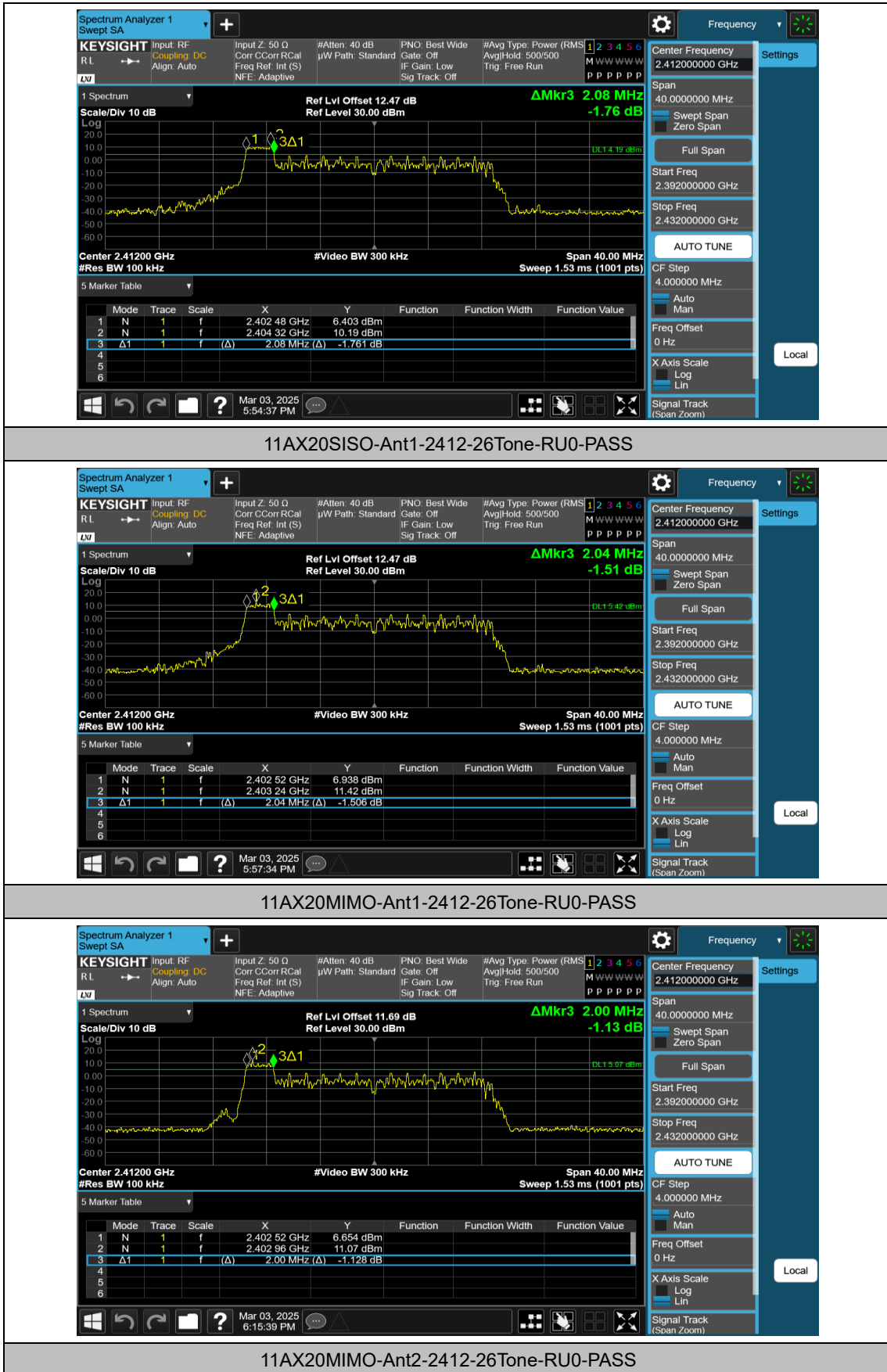
5 Marker Table

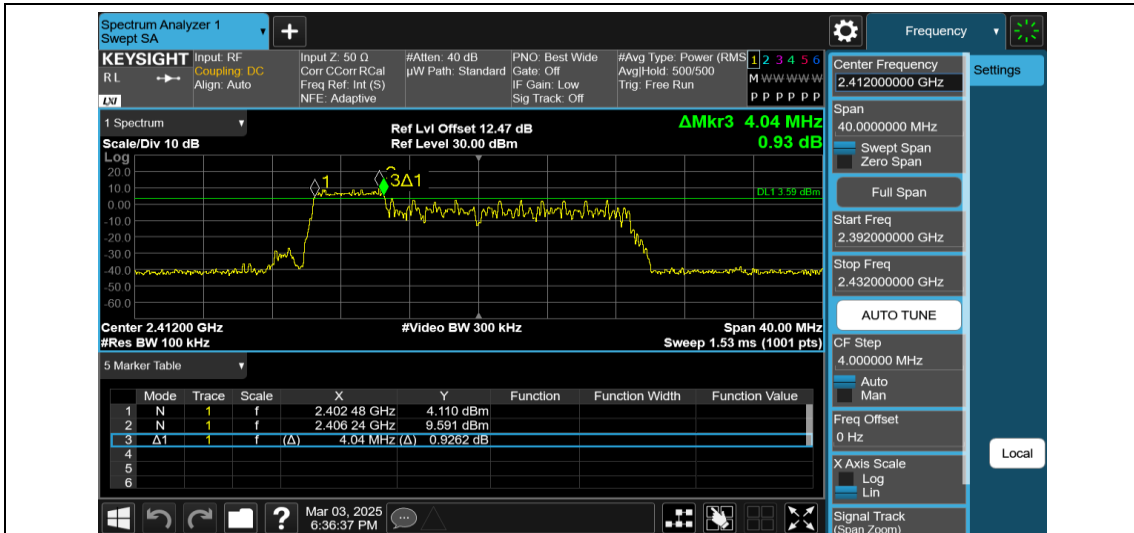
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.434 40 GHz	-7.220 dBm		
2	N	1	f	2.449 44 GHz	-2.464 dBm		
3	Δ 1	1	f	(Δ) 35.12 MHz (Δ)	0.3618 dB		
4							
5							
6							

Feb 22, 2025

11:18:26 AM

11AX40MIMO-Ant2-2452-PASS

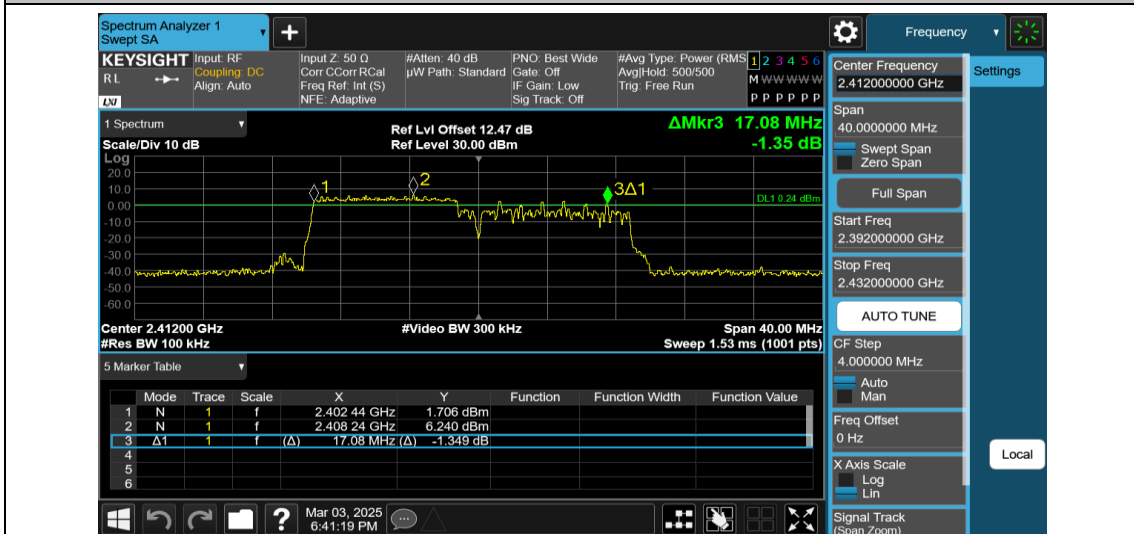




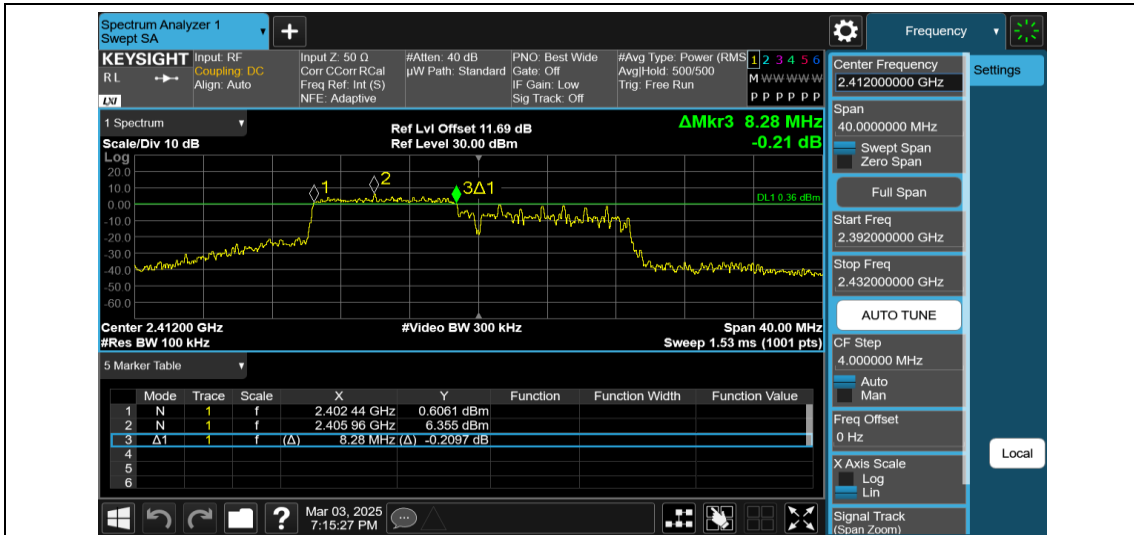
11AX20MIMO-Ant1-2412-52Tone-RU37-PASS



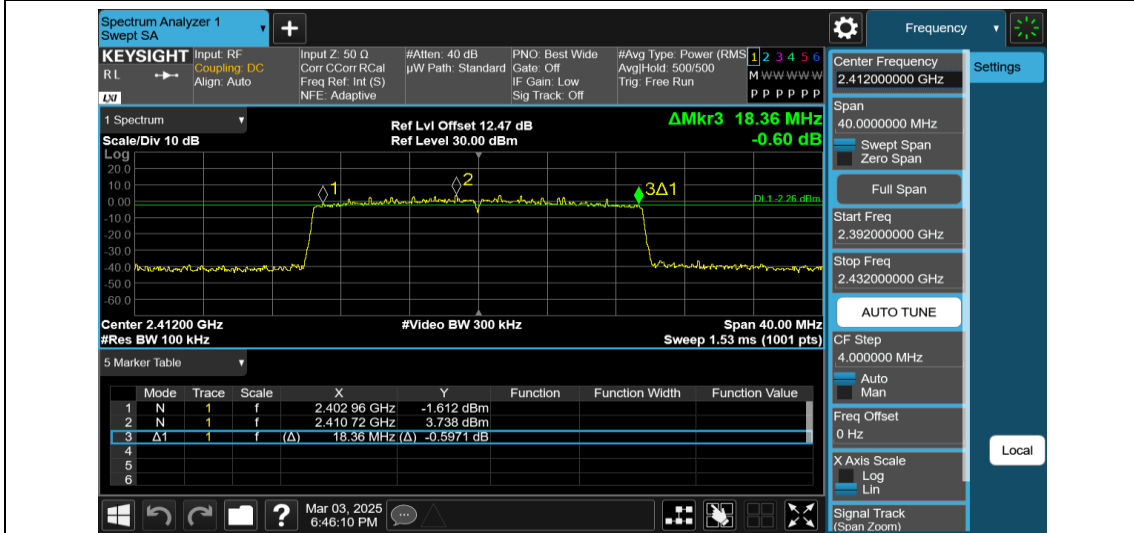
11AX20MIMO-Ant2-2412-52Tone-RU37-PASS



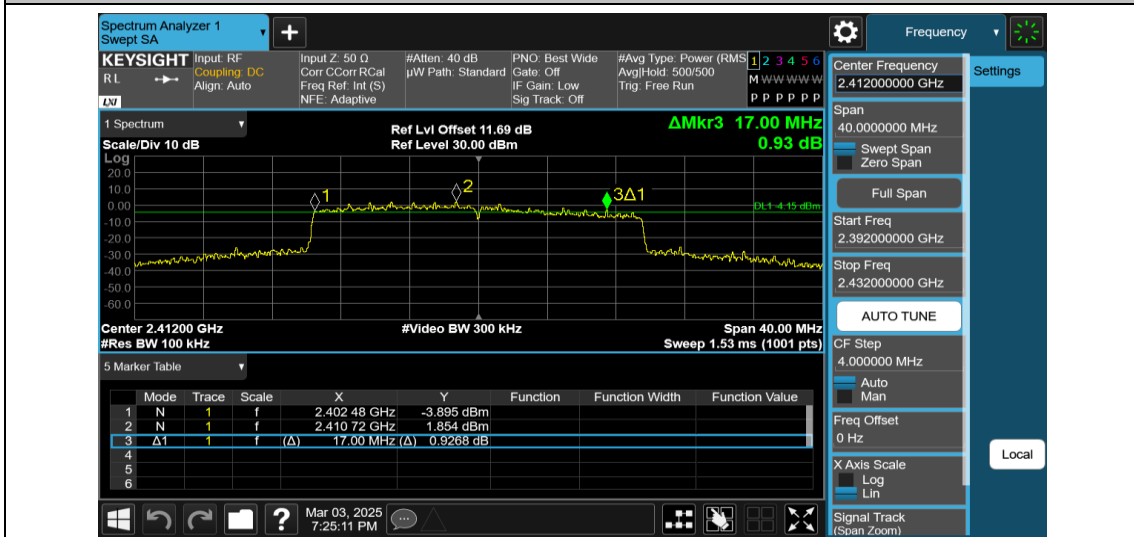
11AX20MIMO-Ant1-2412-106Tone-RU53-PASS



11AX20MIMO-Ant2-2412-106Tone-RU53-PASS



11AX20MIMO-Ant1-2412-242Tone-RU61-PASS



11AX20MIMO-Ant2-2412-242Tone-RU61-PASS