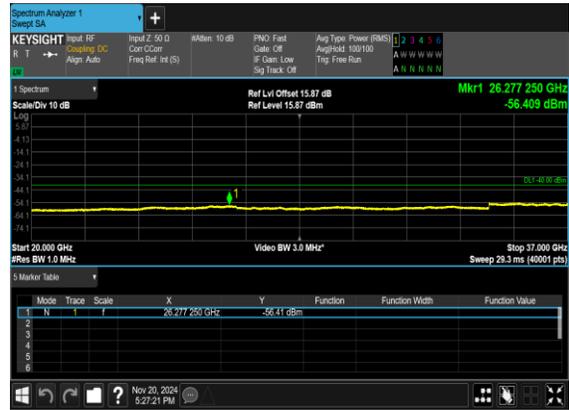




N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



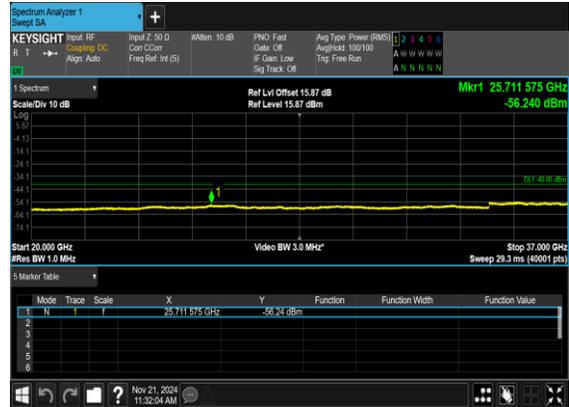
N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

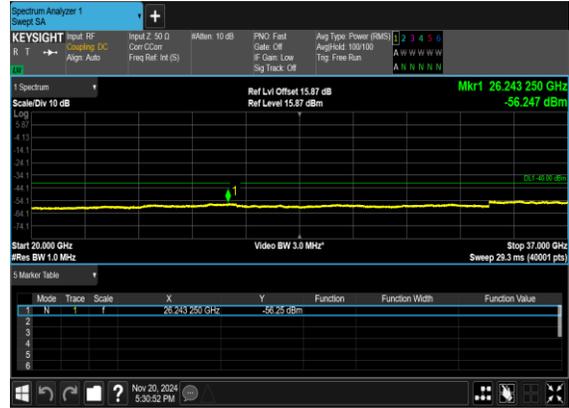




N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH

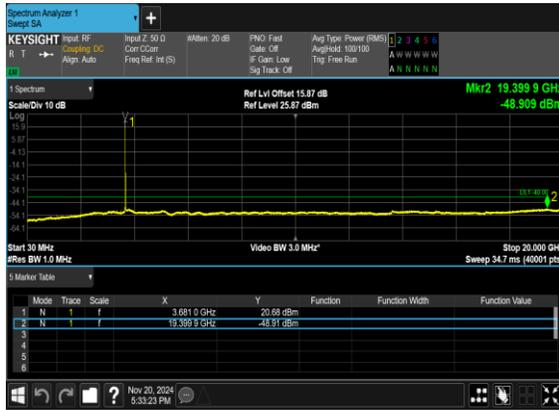


N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH

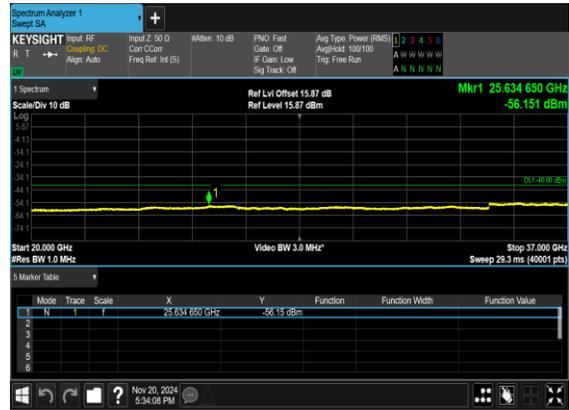




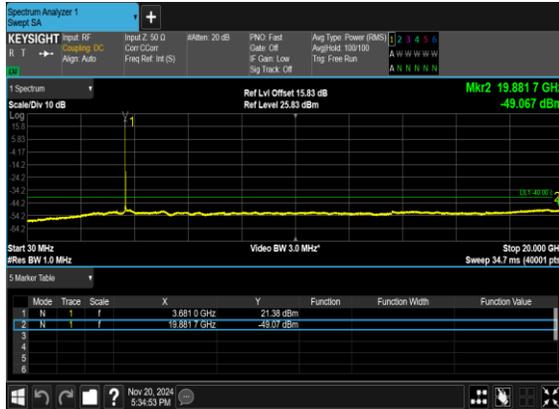
N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



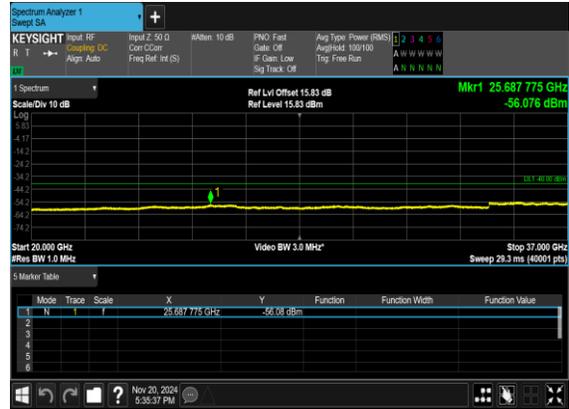
N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

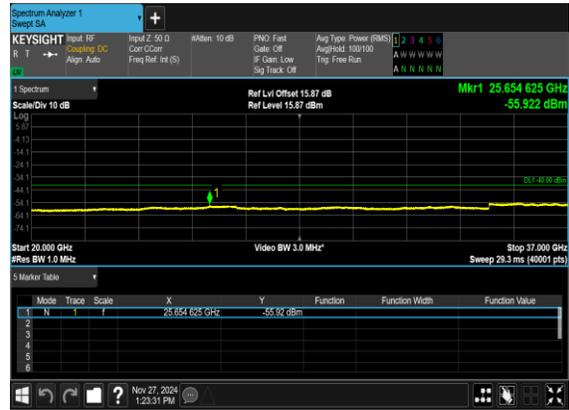




N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



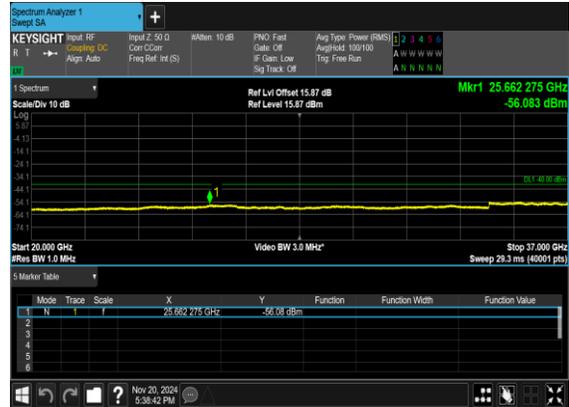
N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

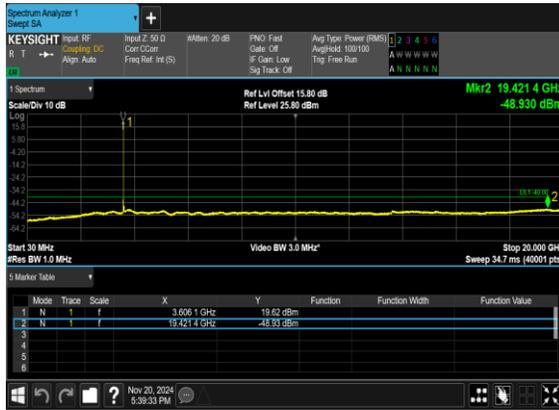


N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

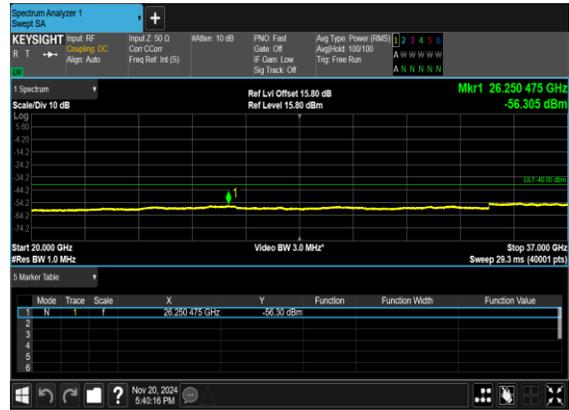




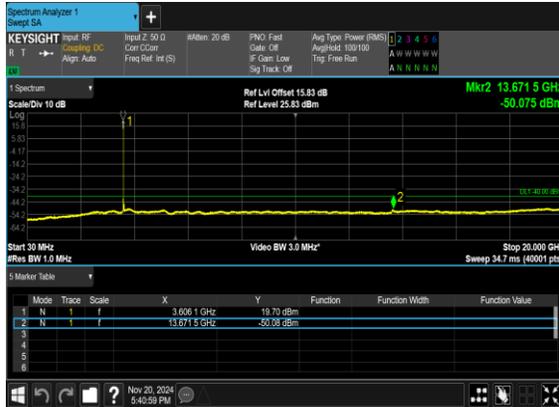
N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



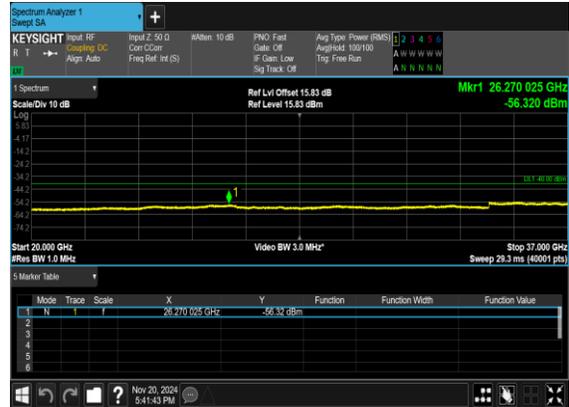
N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH

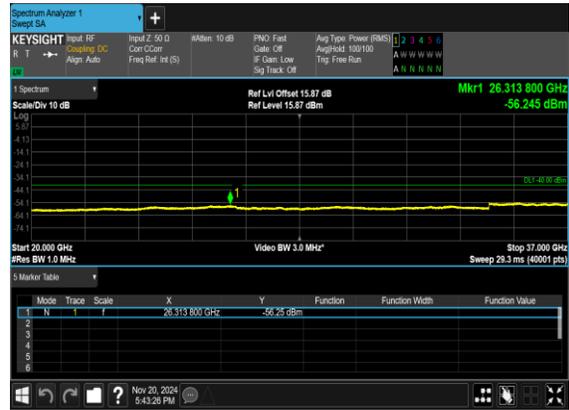




N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



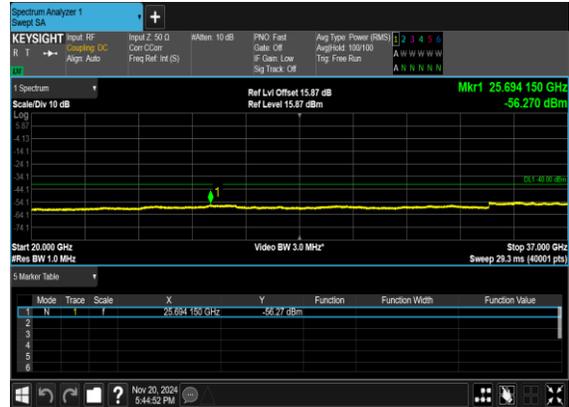
N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH





### Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	30	10	637000	3555.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM BPSK	1@23	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@23	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM BPSK	24@0	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	24@0	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM BPSK	1@23	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@23	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM BPSK	24@0	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	24@0	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	PASS



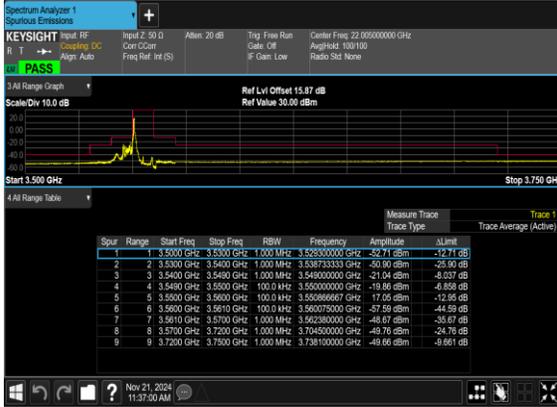
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@50	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@50	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@50	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@50	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@50	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@50	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	100@0	see graph	PASS



48	30	40	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	100@0	see graph	PASS



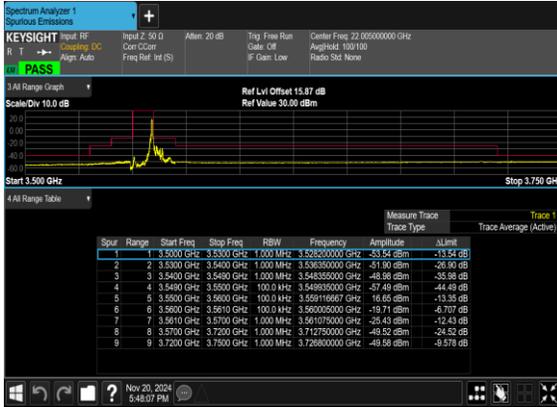
N48(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



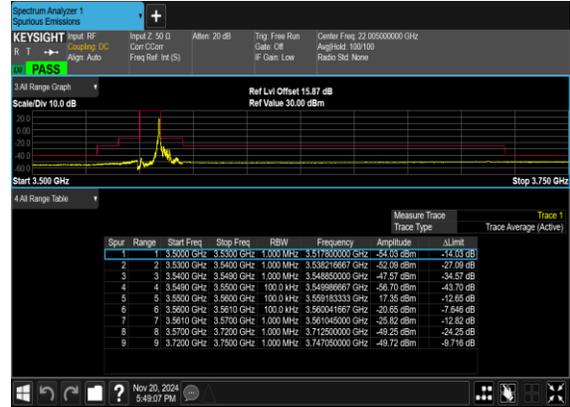
N48(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N48(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Low\_CH



N48(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH





N48(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



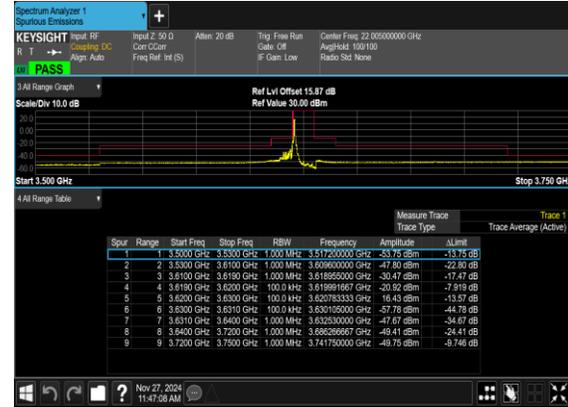
N48(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH\_CHP\_PASS



N48(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



N48(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH

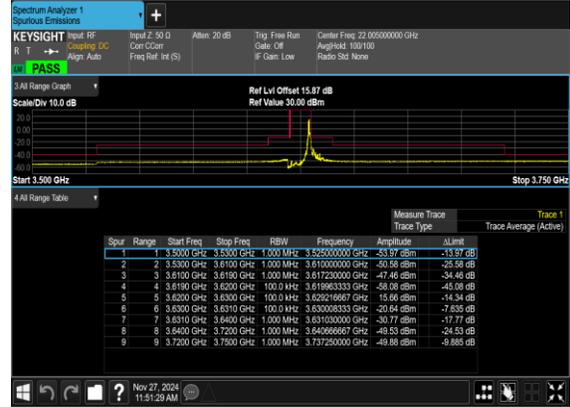




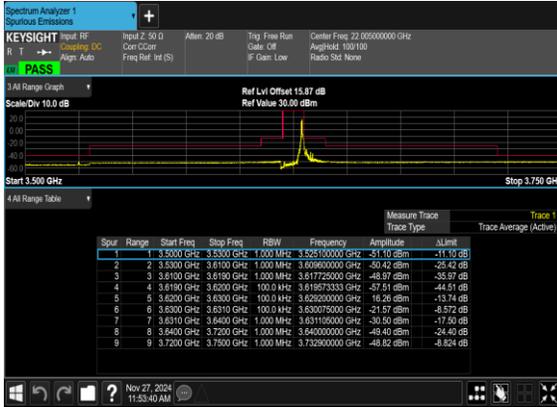
N48(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N48(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH



N48(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH



N48(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH





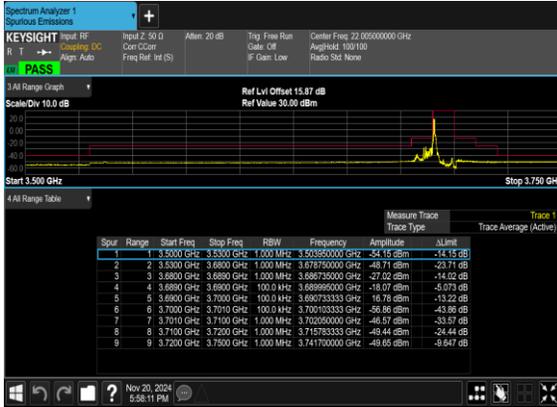
N48(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



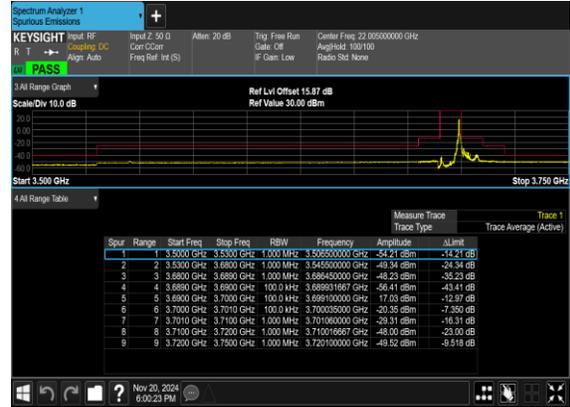
N48(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N48(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N48(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH





N48(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



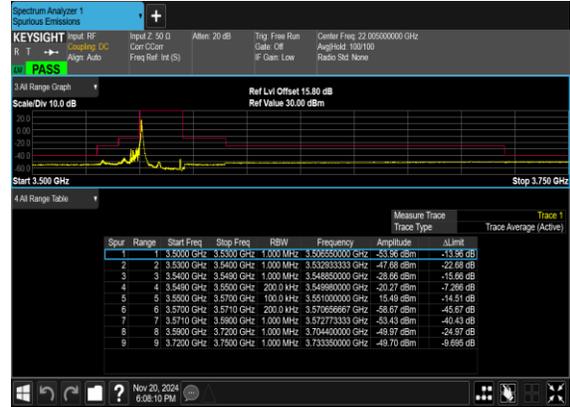
N48(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



N48(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH





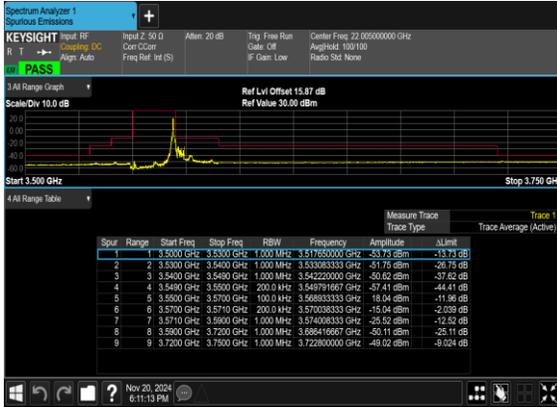
N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



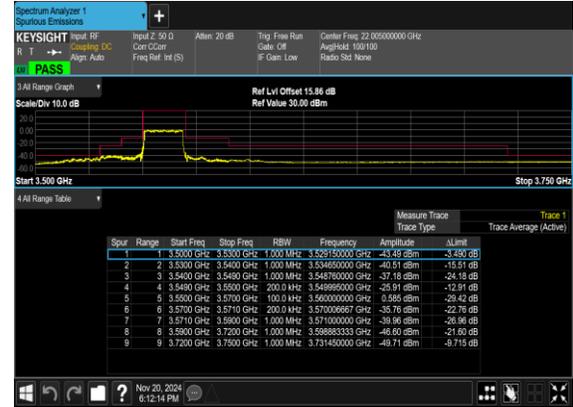
N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Low\_CH



N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH



N48(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH

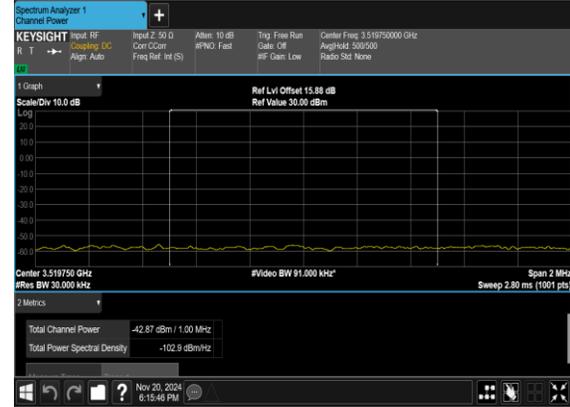




N48(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



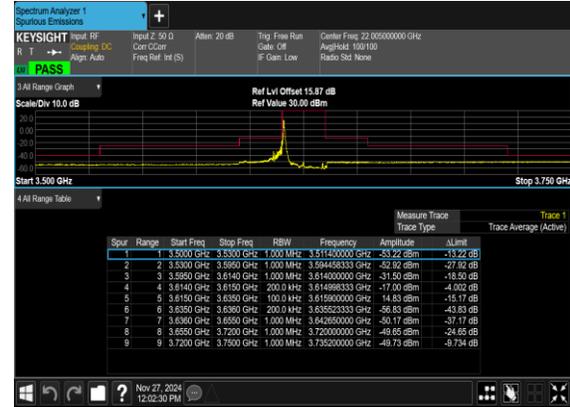
N48(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH\_CHP\_PASS



N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH





N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH



N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH



N48(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH



N48(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH





48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N48(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



N48(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH





N48(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



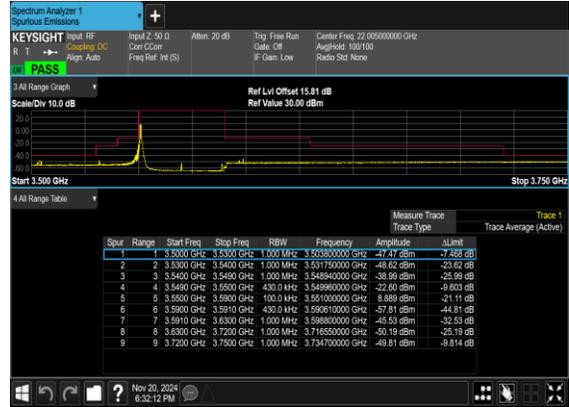
N48(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH





N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Low\_CH



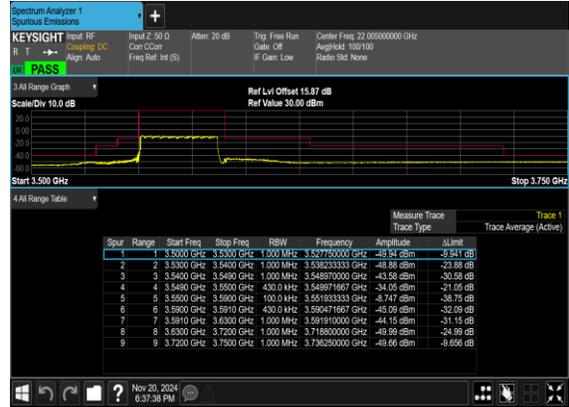
N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Low\_CH



N48(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH





N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH





N48(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH





N48(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N48(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



N48(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH





# FR1 N48 ANT5

## Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	13.8	PASS	NV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	18.2	PASS	LV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	18.2	PASS	HV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	13.7	PASS	-30°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	13.3	PASS	-20°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	15.1	PASS	-10°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	19.2	PASS	0°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	13.8	PASS	10°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	12.7	PASS	20°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	11.2	PASS	30°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	18	PASS	40°C
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	14.5	PASS	50°C



### Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
48	30	10	641666	3624.99	CP-OFDM QPSK	24@0	8.5953	9.684
48	30	10	641666	3624.99	CP-OFDM 16 QAM	24@0	8.5809	9.581
48	30	10	641666	3624.99	CP-OFDM 64 QAM	24@0	8.577	9.68
48	30	10	641666	3624.99	CP-OFDM 256 QAM	24@0	8.572	9.461
48	30	15	641666	3624.99	CP-OFDM QPSK	38@0	13.596	14.81
48	30	15	641666	3624.99	CP-OFDM 16 QAM	38@0	13.607	14.62
48	30	15	641666	3624.99	CP-OFDM 64 QAM	38@0	13.569	14.63
48	30	15	641666	3624.99	CP-OFDM 256 QAM	38@0	13.583	14.4
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	18.139	19.54
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	18.264	19.36
48	30	20	641666	3624.99	CP-OFDM 64 QAM	51@0	18.237	19.22
48	30	20	641666	3624.99	CP-OFDM 256 QAM	51@0	18.242	19.46
48	30	30	641666	3624.99	CP-OFDM QPSK	78@0	27.87	29.46
48	30	30	641666	3624.99	CP-OFDM 16 QAM	78@0	27.8	29.14
48	30	30	641666	3624.99	CP-OFDM 64 QAM	78@0	27.823	29.02
48	30	30	641666	3624.99	CP-OFDM 256 QAM	78@0	27.851	29.27
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	37.814	39.33
48	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	37.86	39.45
48	30	40	641666	3624.99	CP-OFDM 64 QAM	106@0	37.88	39.4
48	30	40	641666	3624.99	CP-OFDM 256 QAM	106@0	37.908	39.39



N48(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N48(10M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N48(10M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



N48(10M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

