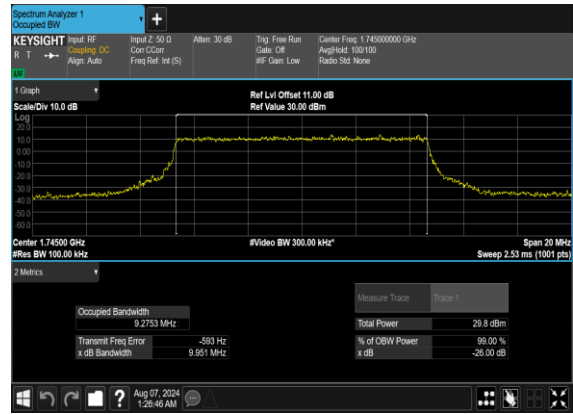




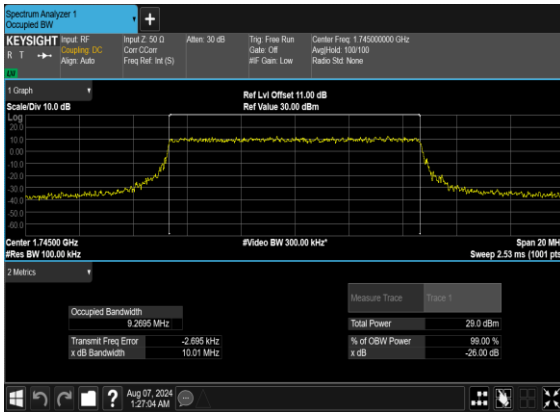
N66(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N66(10M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(10M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

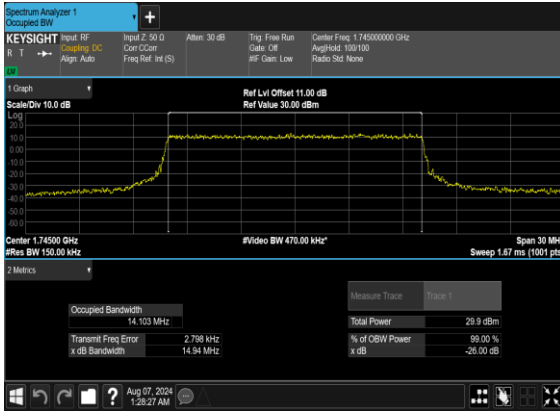


N66(10M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

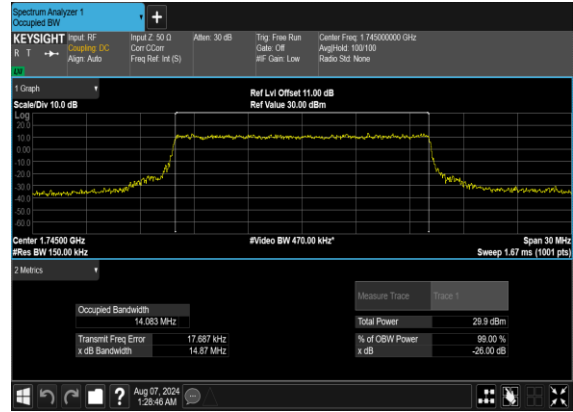




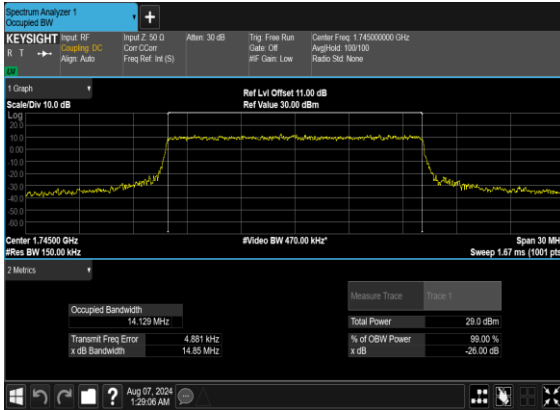
N66(15M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



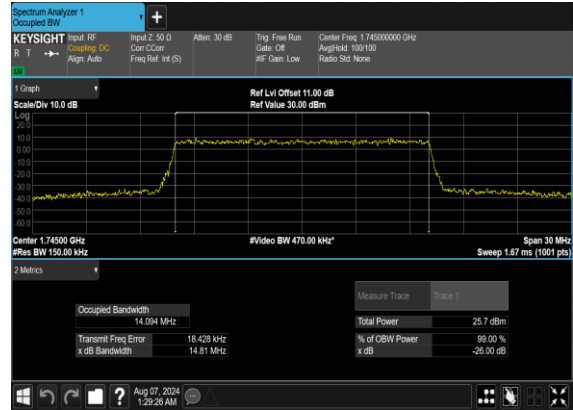
N66(15M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(15M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

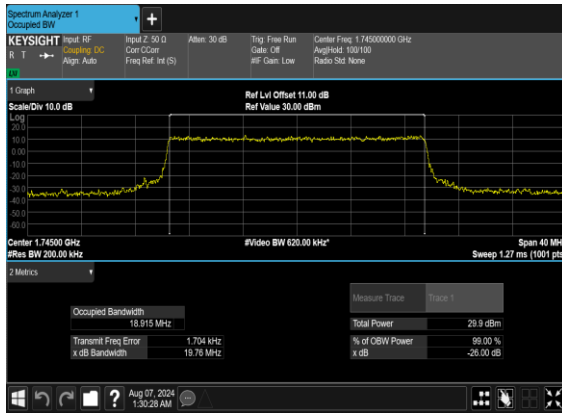


N66(15M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

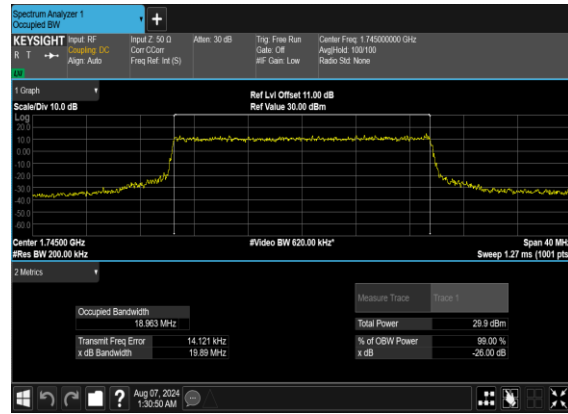




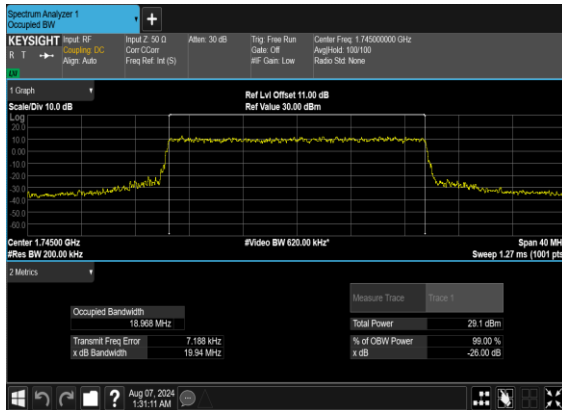
N66(20M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



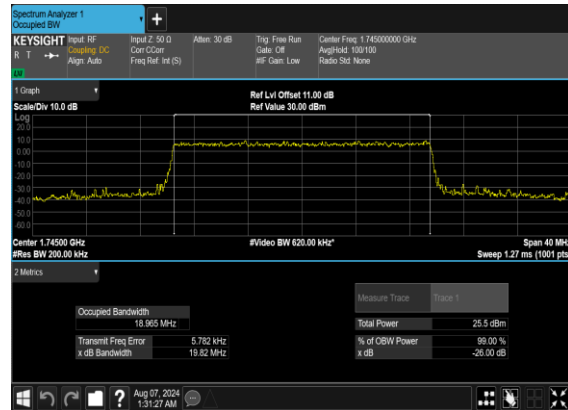
N66(20M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(20M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

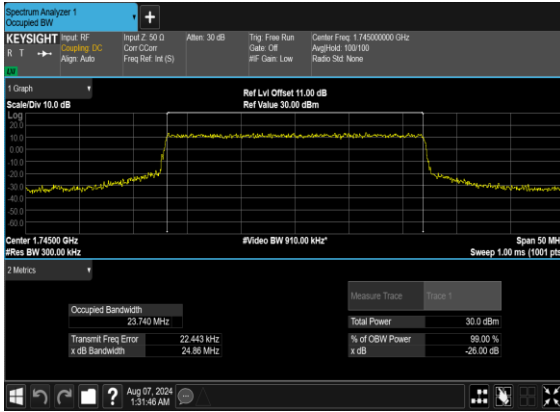


N66(20M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH





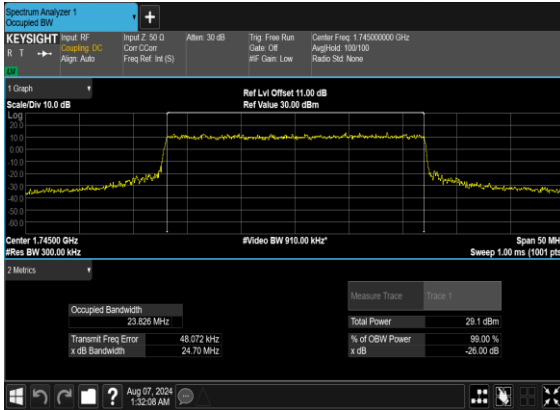
N66(25M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



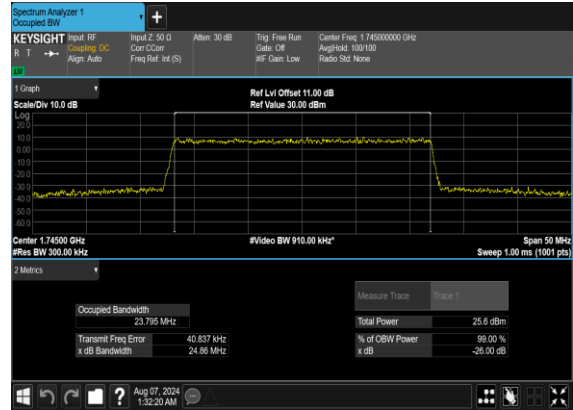
N66(25M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(25M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

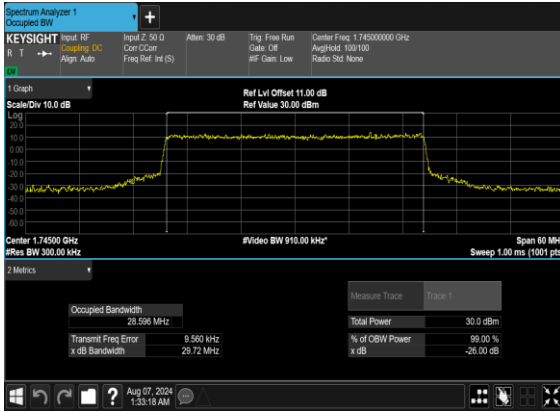


N66(25M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH





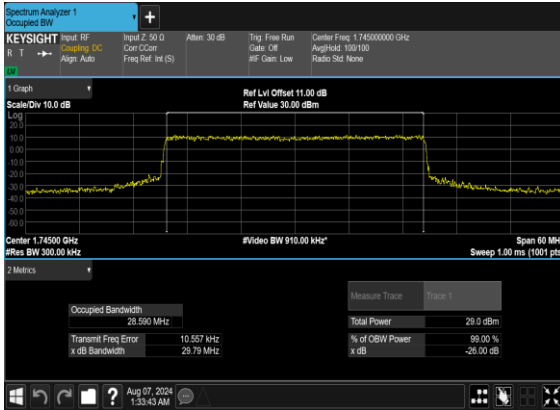
N66(30M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



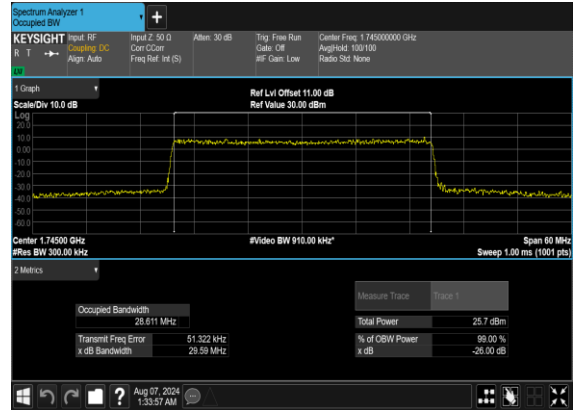
N66(30M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(30M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

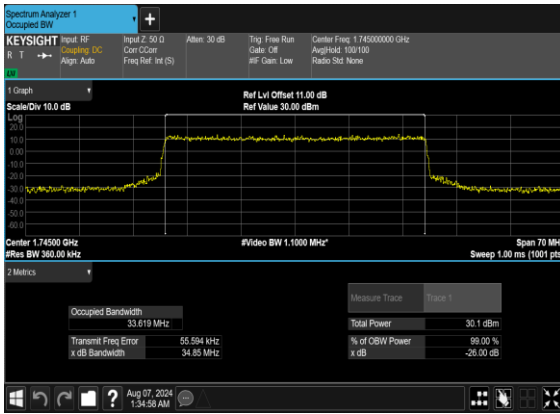


N66(30M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

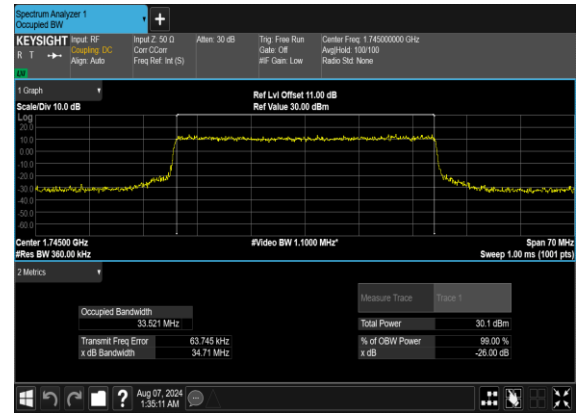




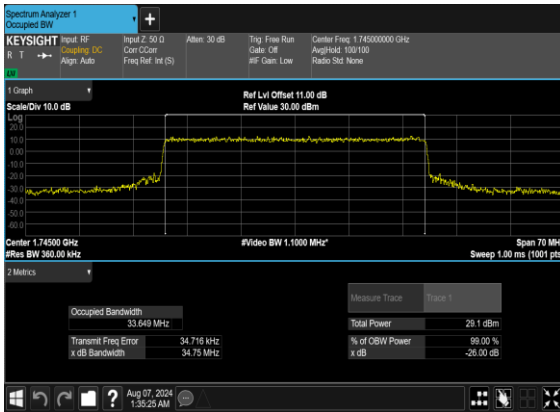
N66(35M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



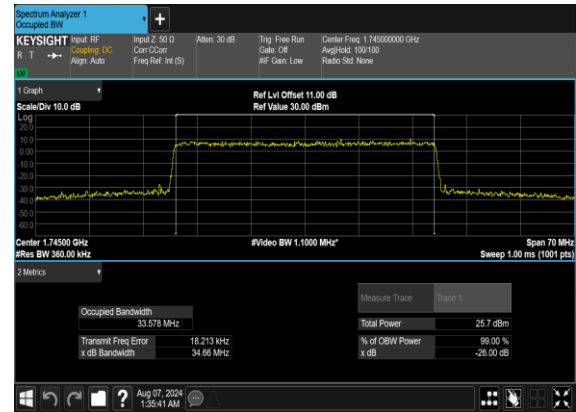
N66(35M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(35M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

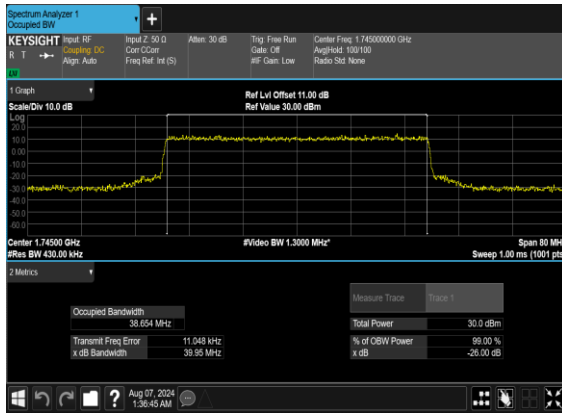


N66(35M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH





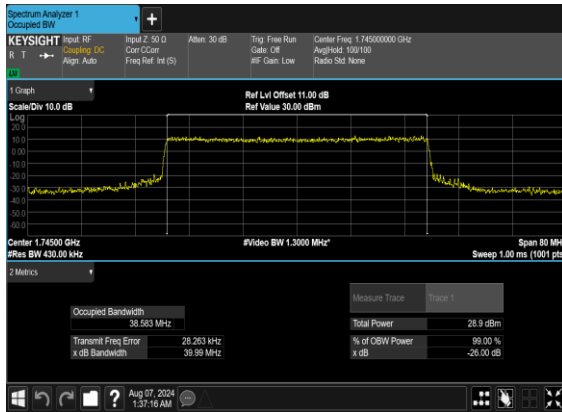
N66(40M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N66(40M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(40M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



N66(40M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH





### Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

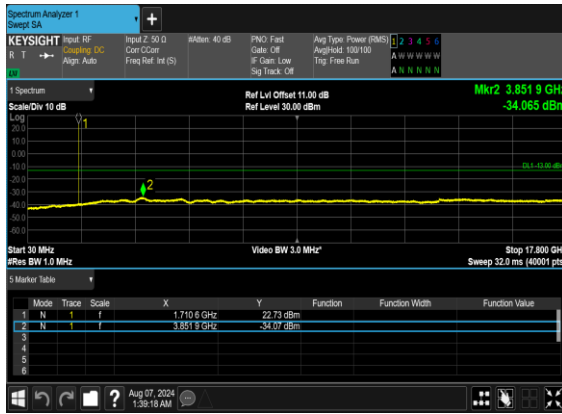




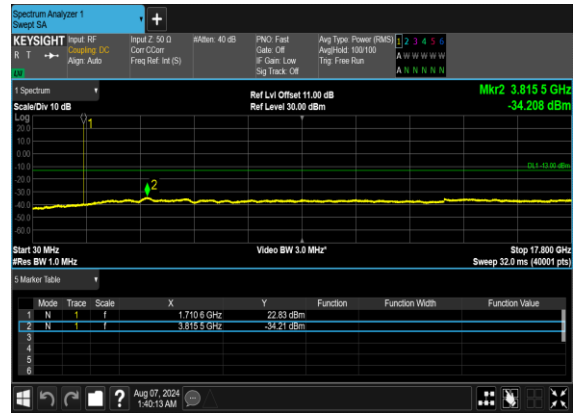
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



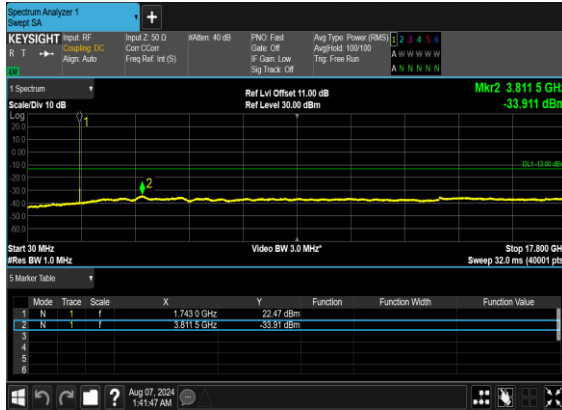
N66(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



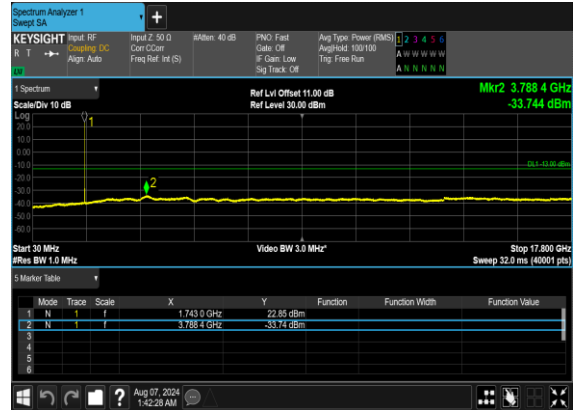
N66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N66(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH

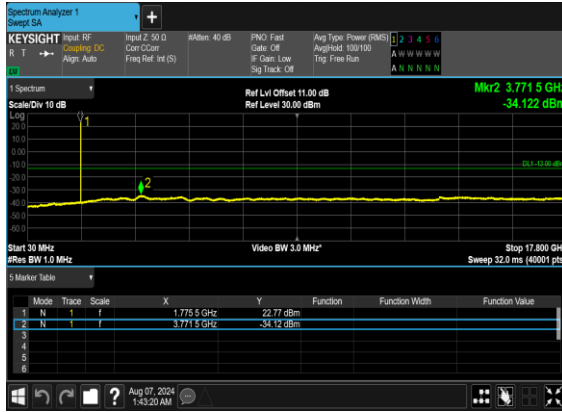


N66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH

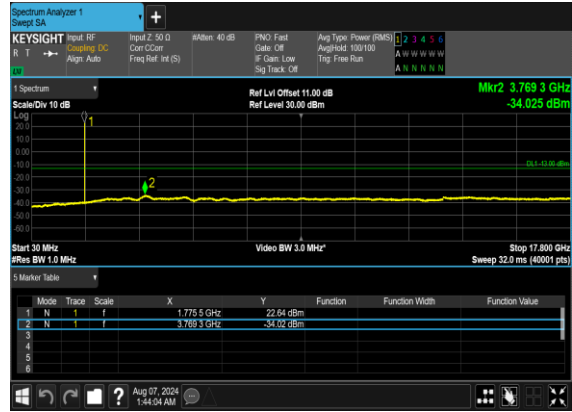




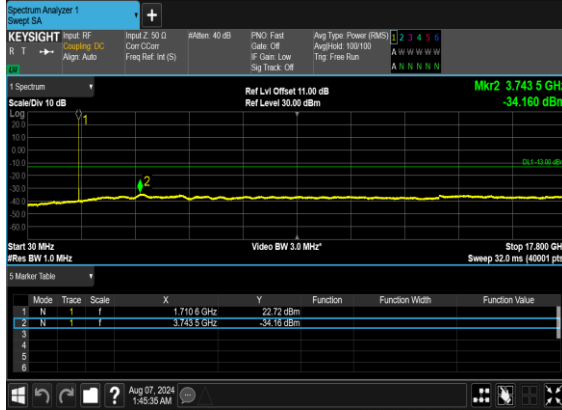
N66(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



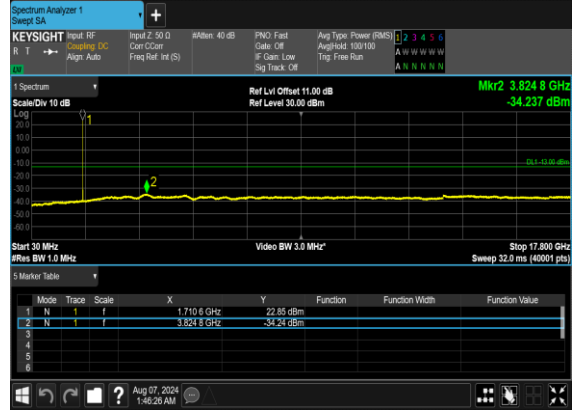
N66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N66(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH

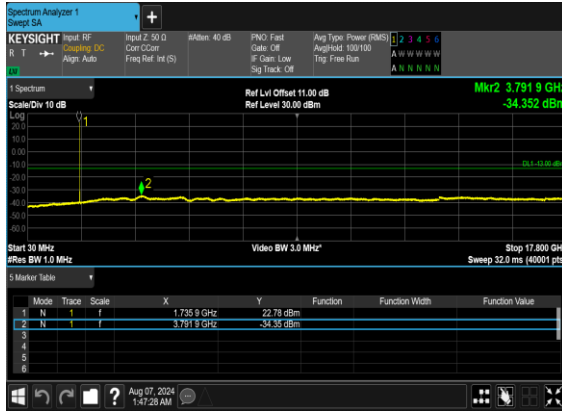


N66(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

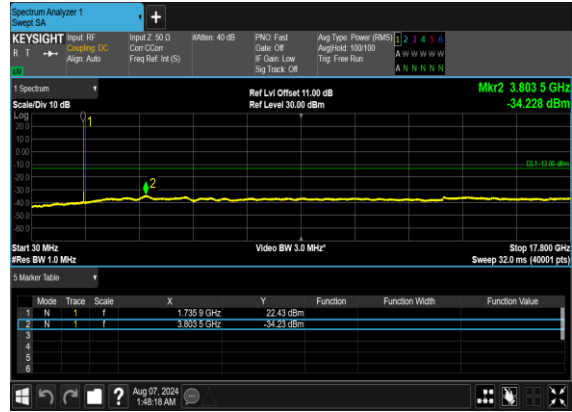




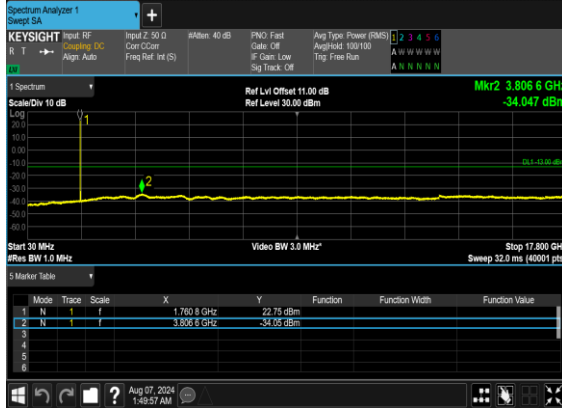
N66(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



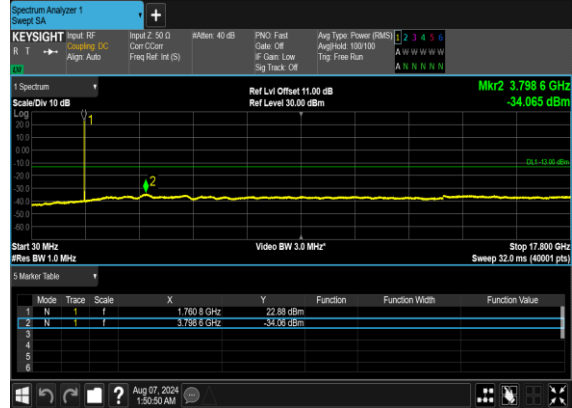
N66(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N66(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH

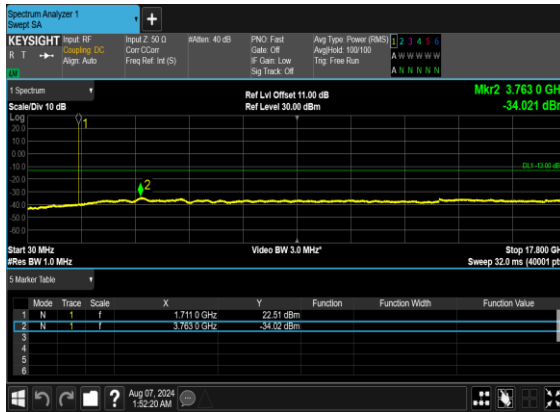


N66(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

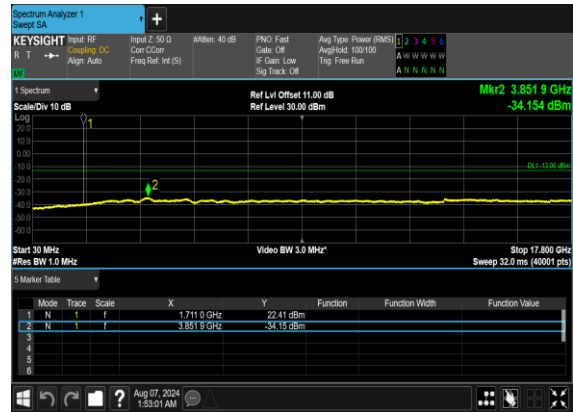




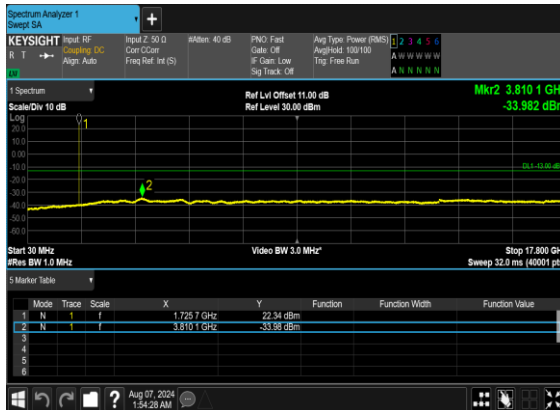
N66(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



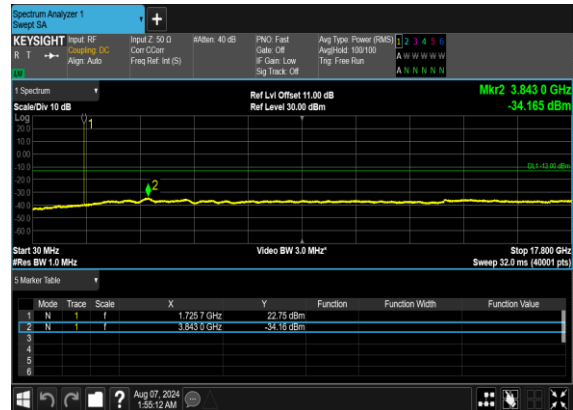
N66(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N66(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH

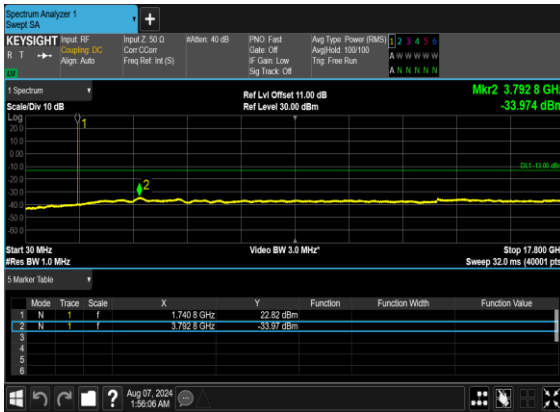


N66(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH

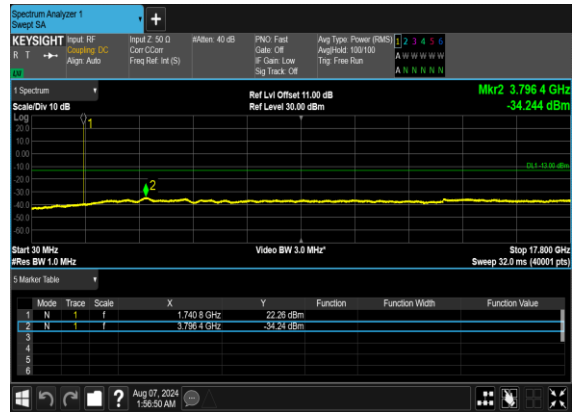




N66(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N66(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



Conducted Band Edge

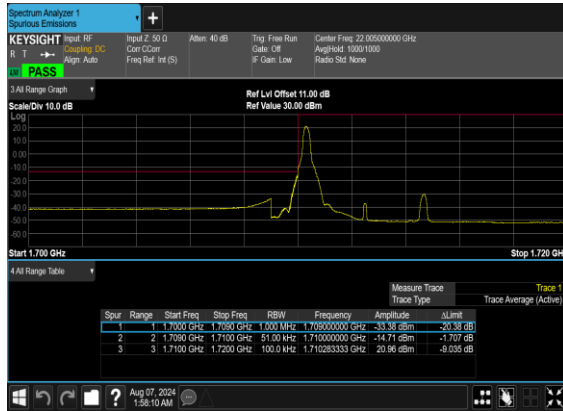
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM	100@0	see graph	PASS



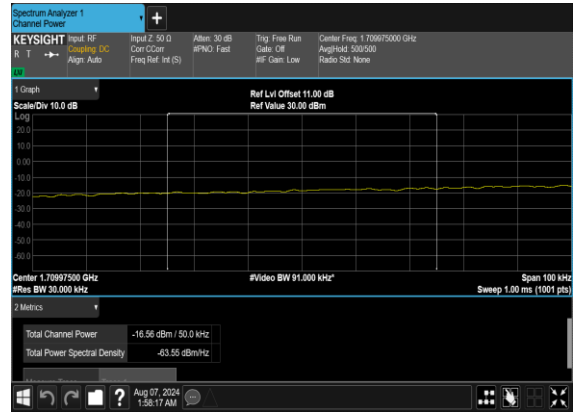
QPSK									
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@105	see graph	PASS	
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@105	see graph	PASS	
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	100@0	see graph	PASS	
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	100@0	see graph	PASS	
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	PASS	
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS	
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	216@0	see graph	PASS	
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	216@0	see graph	PASS	
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@215	see graph	PASS	
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@215	see graph	PASS	
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	216@0	see graph	PASS	
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	216@0	see graph	PASS	



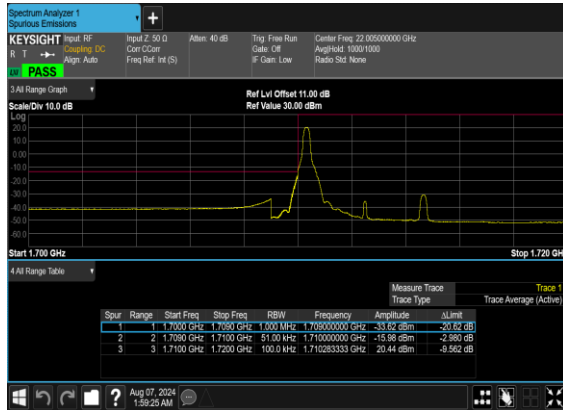
N66(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



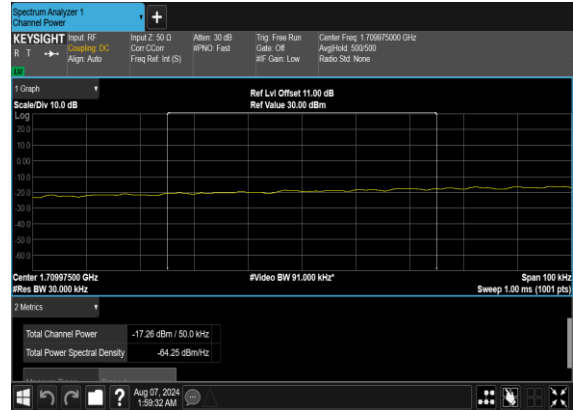
N66(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



N66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



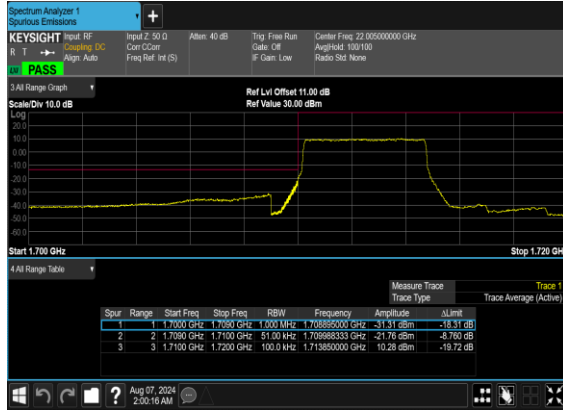
N66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



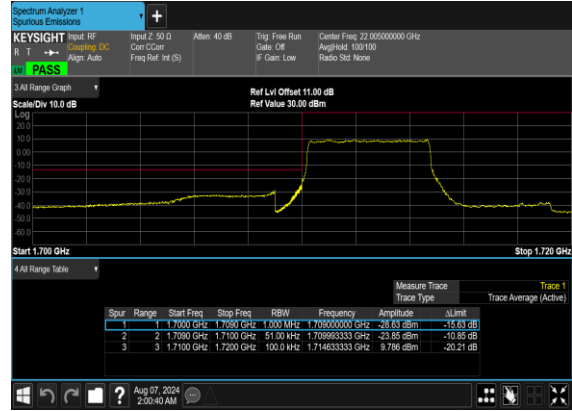




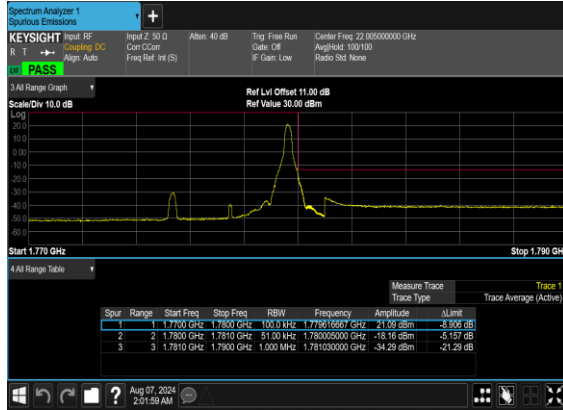
N66(5M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



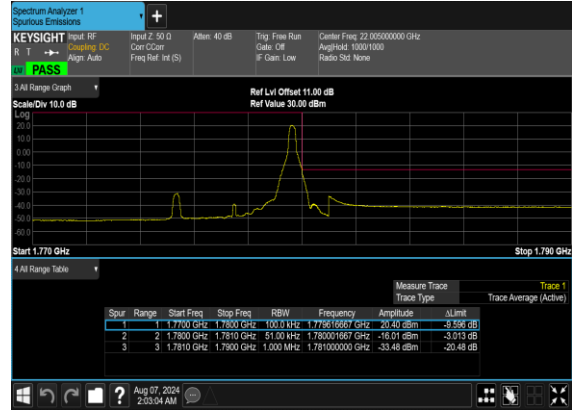
N66(5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



N66(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH

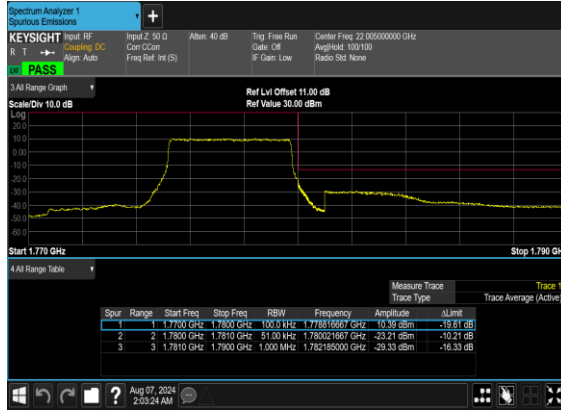


N66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH

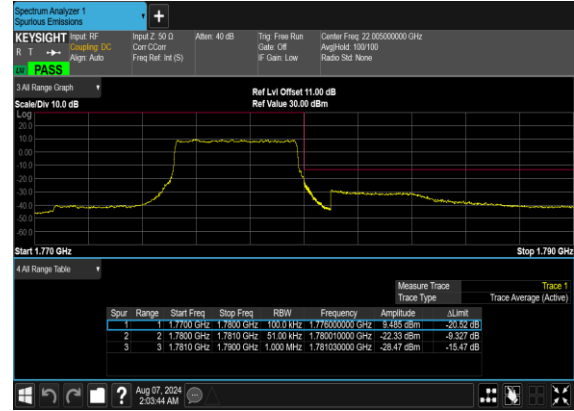




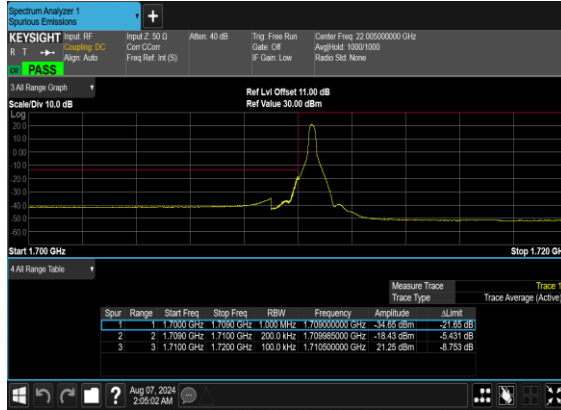
N66(5M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



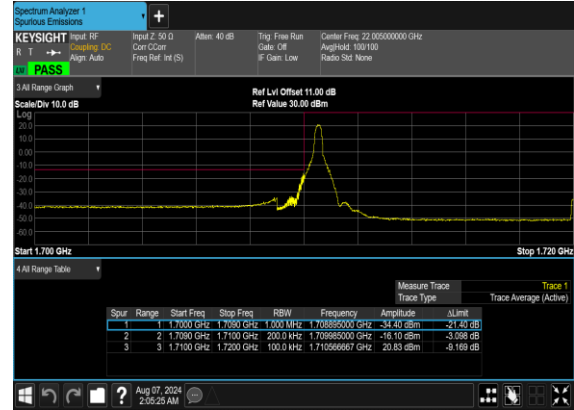
N66(5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



N66(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH

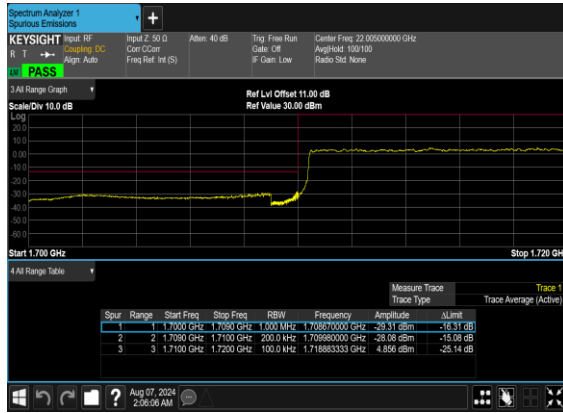


N66(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

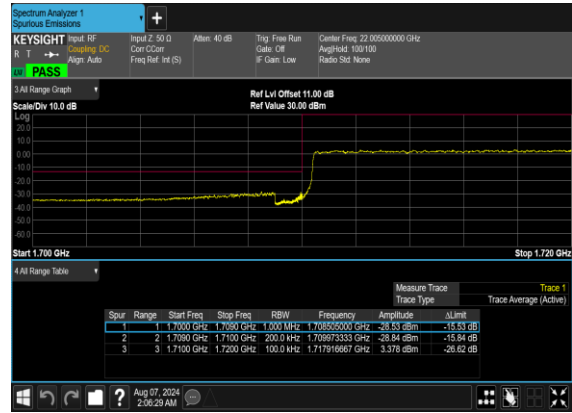




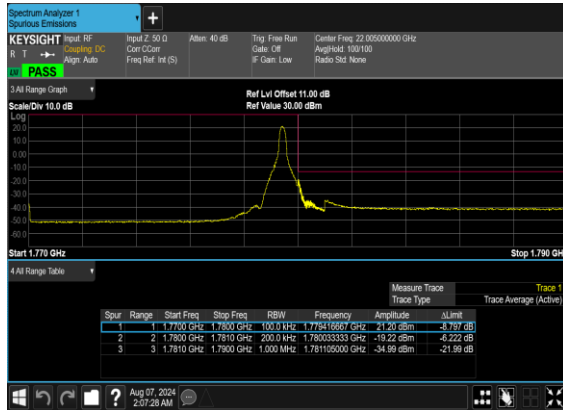
N66(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



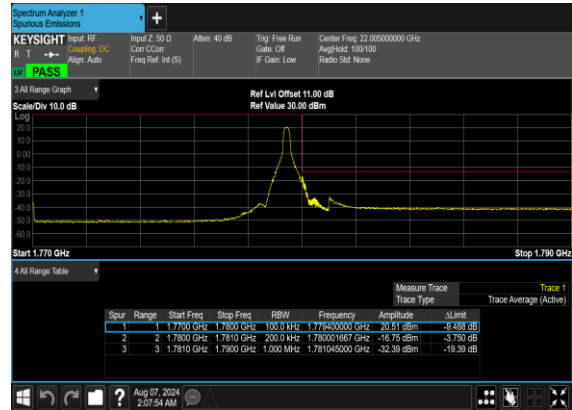
N66(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



N66(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



N66(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH





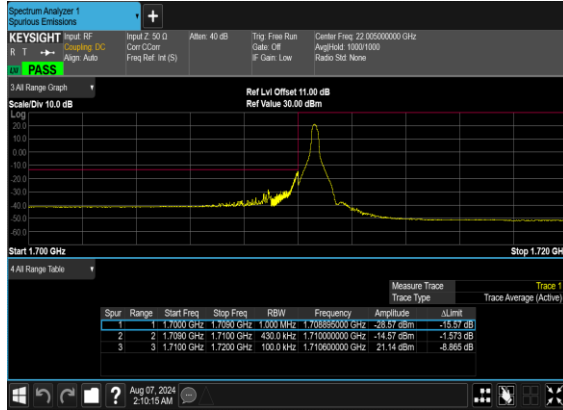
N66(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



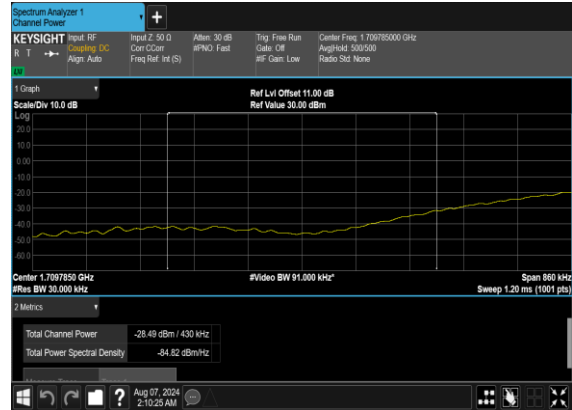
N66(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



N66(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH

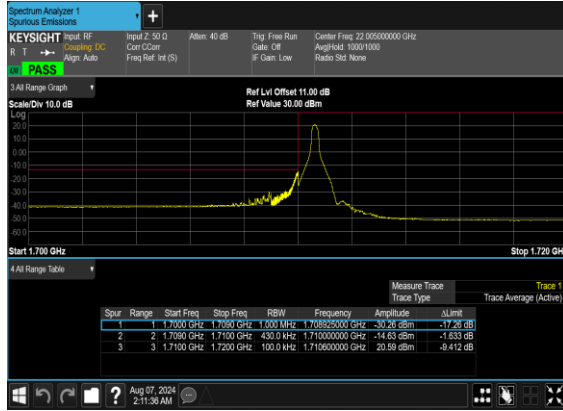


N66(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS

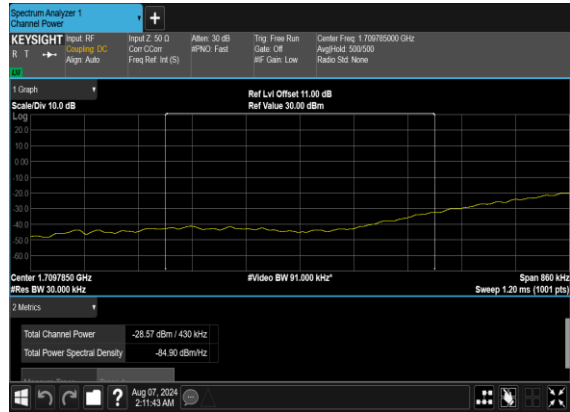




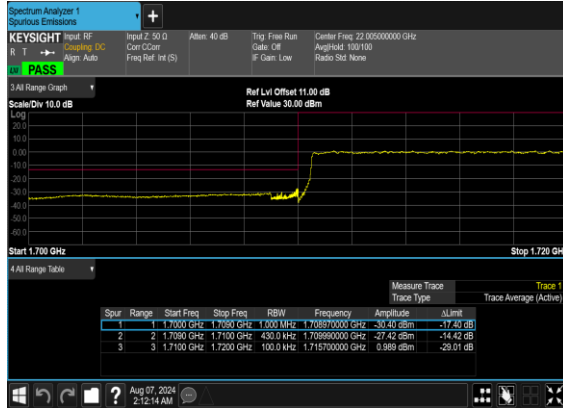
N66(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



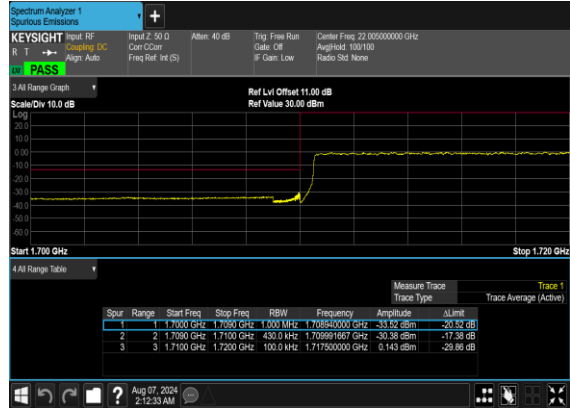
N66(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



N66(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH

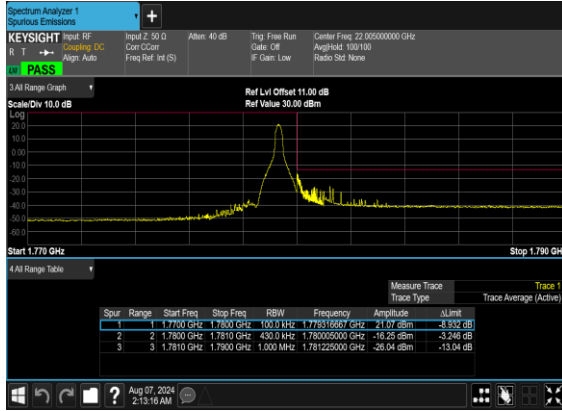


N66(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH

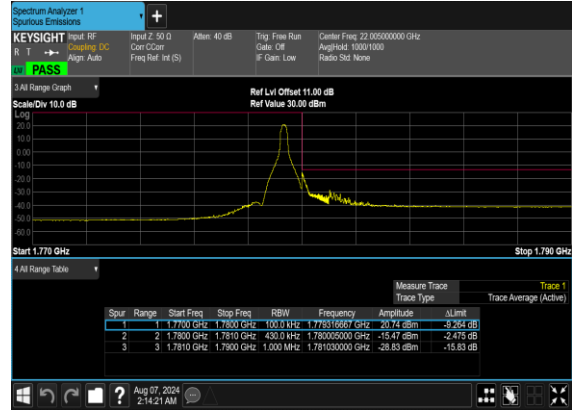




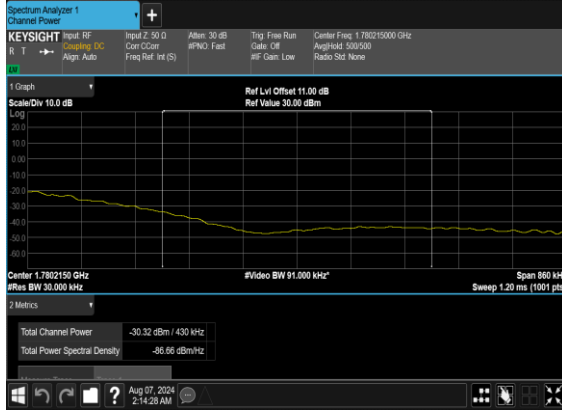
N66(40M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



N66(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N66(40M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH  
\_PASS

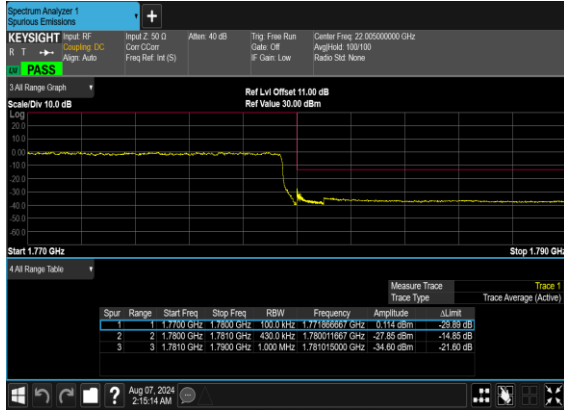


N66(40M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH





N66(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH





Software Version: 23.06.1602

# FR1 N66 TXD-ANT(1+8)\_ANT8

## Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0030	PASS	NV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0065	PASS	LV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0055	PASS	HV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0062	PASS	-30°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0056	PASS	-20°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0043	PASS	-10°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0052	PASS	0°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0060	PASS	10°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0030	PASS	20°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0028	PASS	30°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0020	PASS	40°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0066	PASS	50°C





### Peak to Average Ratio

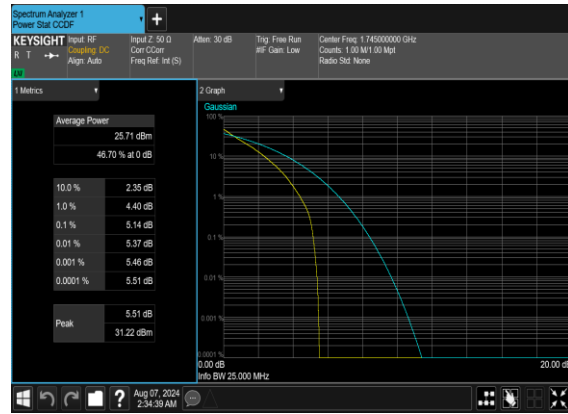
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	4.14	13	PASS
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	5.14	13	PASS



N66(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



N66(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





### Occupied Bandwidth

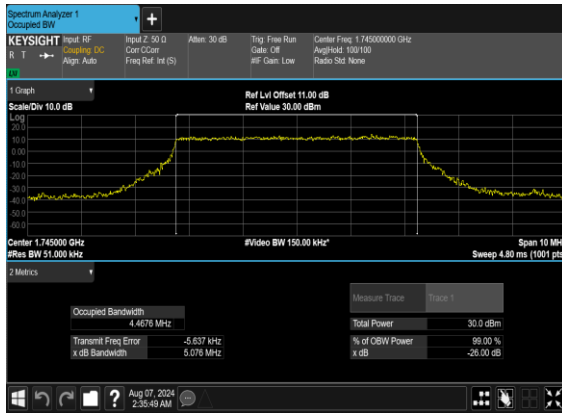
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
66	15	5	349000	1745.0	CP-OFDM QPSK	25@0	4.4676	5.076
66	15	5	349000	1745.0	CP-OFDM 16 QAM	25@0	4.4876	5.159
66	15	5	349000	1745.0	CP-OFDM 64 QAM	25@0	4.4619	4.989
66	15	5	349000	1745.0	CP-OFDM 256 QAM	25@0	4.4717	4.972
66	15	10	349000	1745.0	CP-OFDM QPSK	52@0	9.2738	10.05
66	15	10	349000	1745.0	CP-OFDM 16 QAM	52@0	9.2968	10.01
66	15	10	349000	1745.0	CP-OFDM 64 QAM	52@0	9.2629	9.805
66	15	10	349000	1745.0	CP-OFDM 256 QAM	52@0	9.2823	9.962
66	15	15	349000	1745.0	CP-OFDM QPSK	79@0	14.099	14.96
66	15	15	349000	1745.0	CP-OFDM 16 QAM	79@0	14.108	14.93
66	15	15	349000	1745.0	CP-OFDM 64 QAM	79@0	14.103	14.84
66	15	15	349000	1745.0	CP-OFDM 256 QAM	79@0	14.106	14.84
66	15	20	349000	1745.0	CP-OFDM QPSK	106@0	18.916	19.8
66	15	20	349000	1745.0	CP-OFDM 16 QAM	106@0	18.929	19.77
66	15	20	349000	1745.0	CP-OFDM 64 QAM	106@0	18.908	19.79
66	15	20	349000	1745.0	CP-OFDM 256 QAM	106@0	18.961	19.88
66	15	25	349000	1745.0	CP-OFDM QPSK	133@0	23.741	24.9
66	15	25	349000	1745.0	CP-OFDM 16 QAM	133@0	23.78	24.92
66	15	25	349000	1745.0	CP-OFDM 64 QAM	133@0	23.791	24.81
66	15	25	349000	1745.0	CP-OFDM 256 QAM	133@0	23.802	24.69
66	15	30	349000	1745.0	CP-OFDM QPSK	160@0	28.575	29.58
66	15	30	349000	1745.0	CP-OFDM 16 QAM	160@0	28.63	29.74



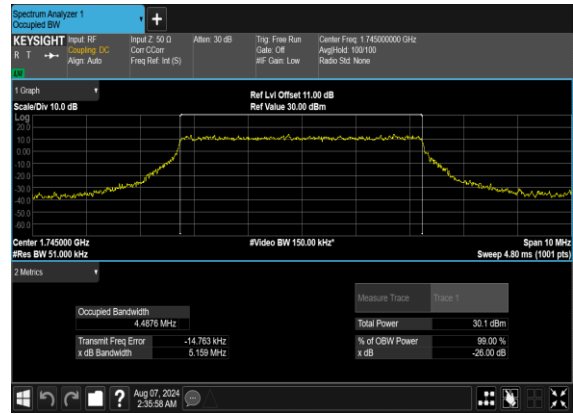
66	15	30	349000	1745.0	CP-OFDM 64 QAM	160@0	28.614	29.61
66	15	30	349000	1745.0	CP-OFDM 256 QAM	160@0	28.543	29.63
66	15	35	349000	1745.0	CP-OFDM QPSK	188@0	33.603	34.72
66	15	35	349000	1745.0	CP-OFDM 16 QAM	188@0	33.573	34.9
66	15	35	349000	1745.0	CP-OFDM 64 QAM	188@0	33.621	34.84
66	15	35	349000	1745.0	CP-OFDM 256 QAM	188@0	33.509	34.88
66	15	40	349000	1745.0	CP-OFDM QPSK	216@0	38.576	39.85
66	15	40	349000	1745.0	CP-OFDM 16 QAM	216@0	38.626	40.13
66	15	40	349000	1745.0	CP-OFDM 64 QAM	216@0	38.682	39.89
66	15	40	349000	1745.0	CP-OFDM 256 QAM	216@0	38.594	39.84



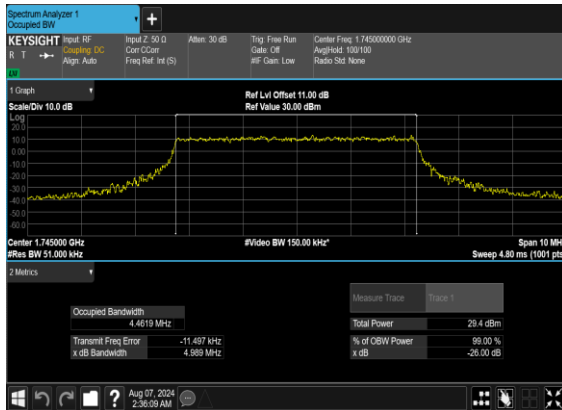
N66(5M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



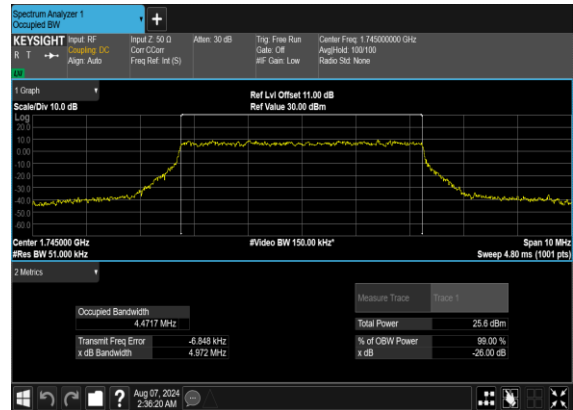
N66(5M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(5M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

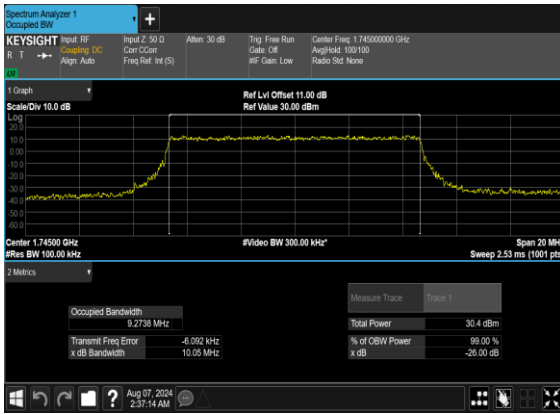


N66(5M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

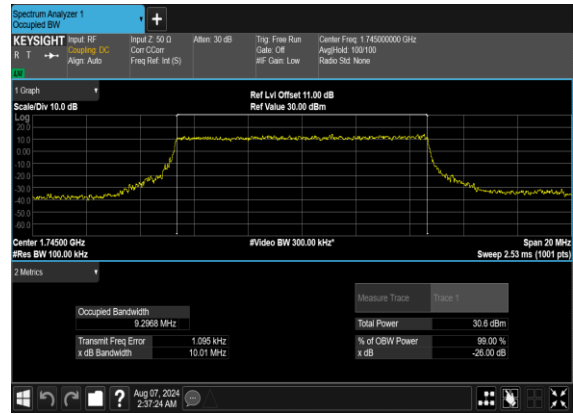




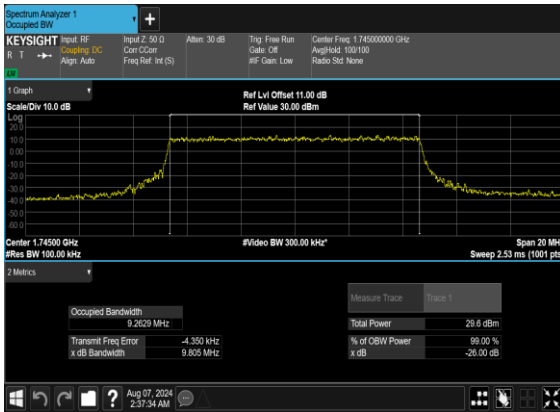
N66(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N66(10M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(10M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

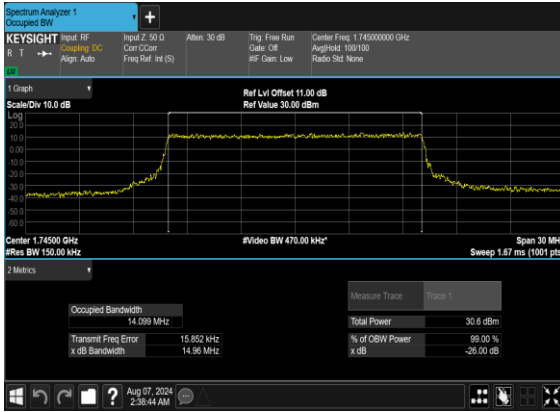


N66(10M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

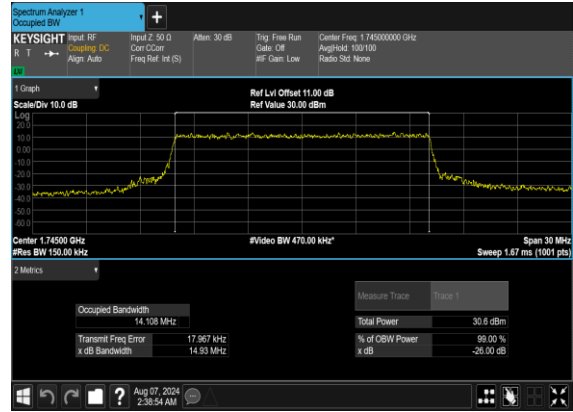




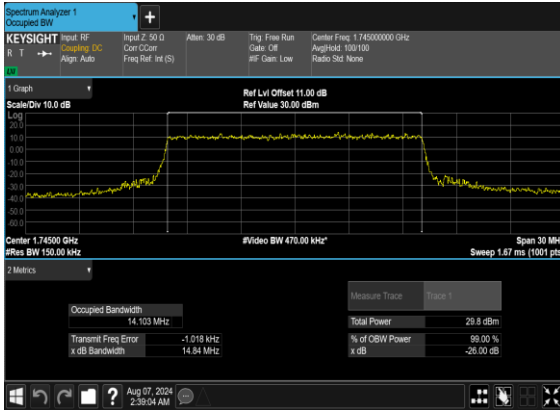
N66(15M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



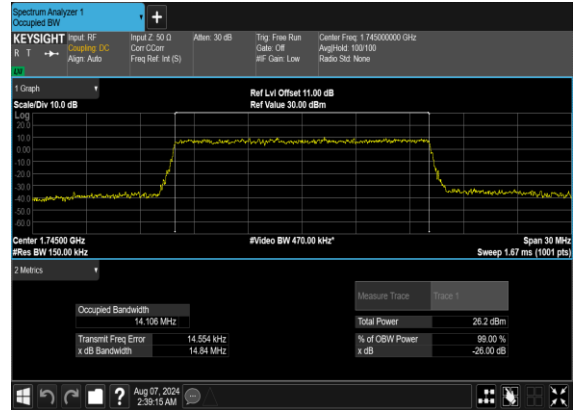
N66(15M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(15M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH

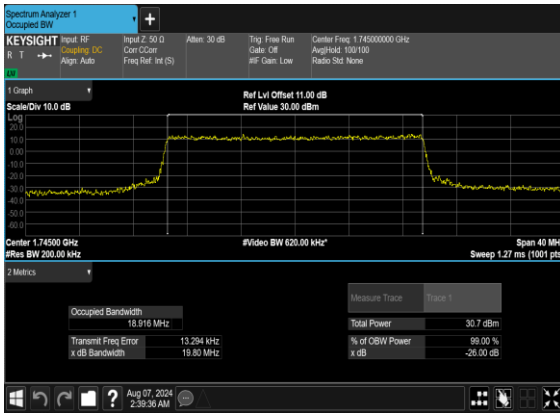


N66(15M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

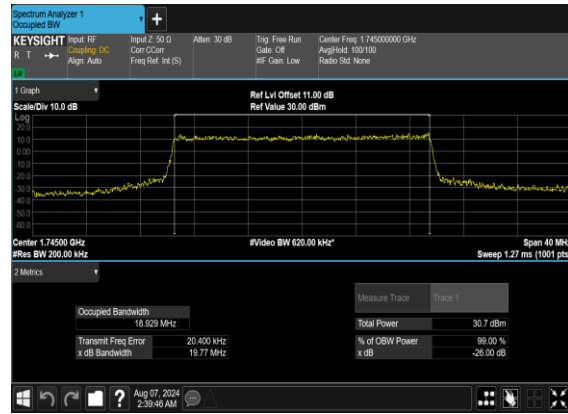




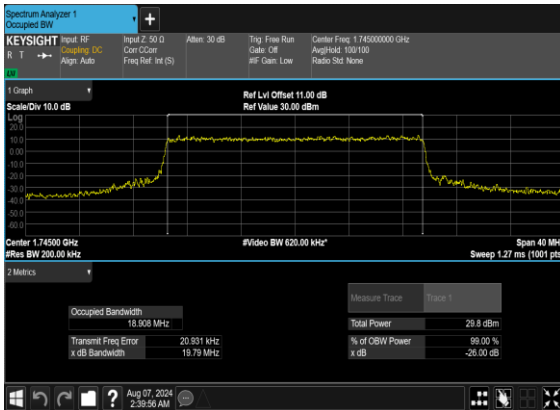
N66(20M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



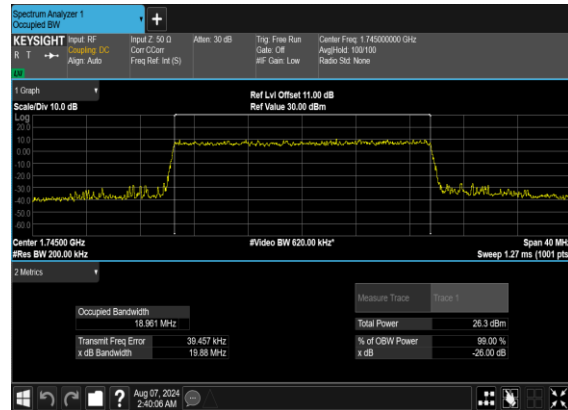
N66(20M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(20M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



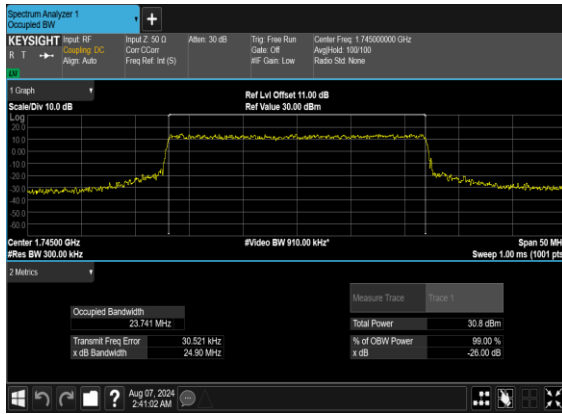
N66(20M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



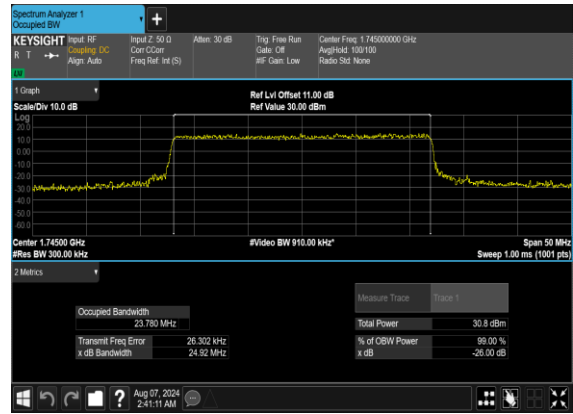




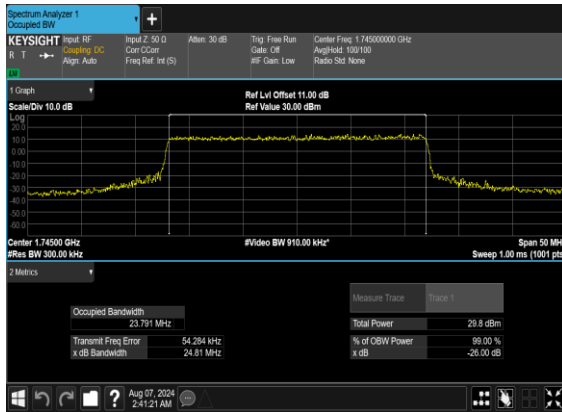
N66(25M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N66(25M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



N66(25M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



N66(25M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

