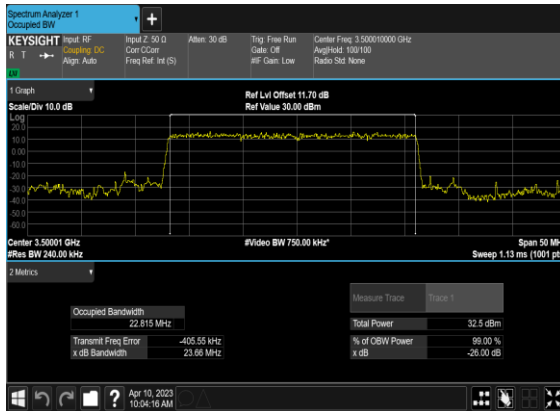
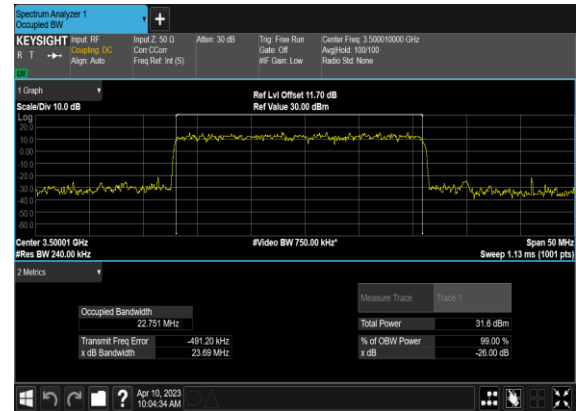


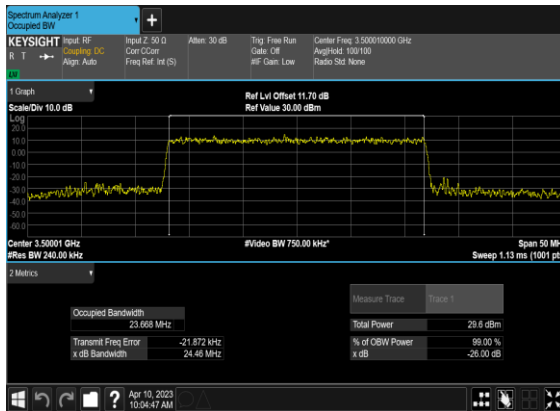
### N77(25M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



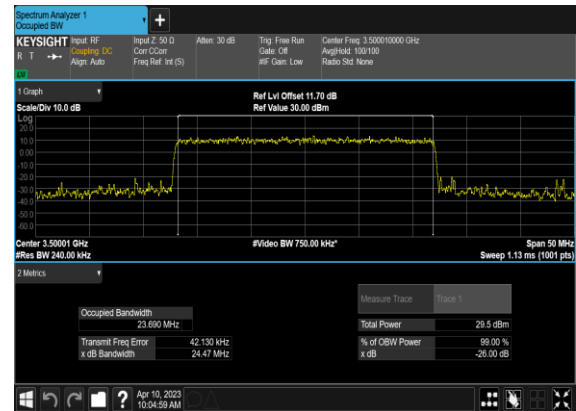
### N77(25M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



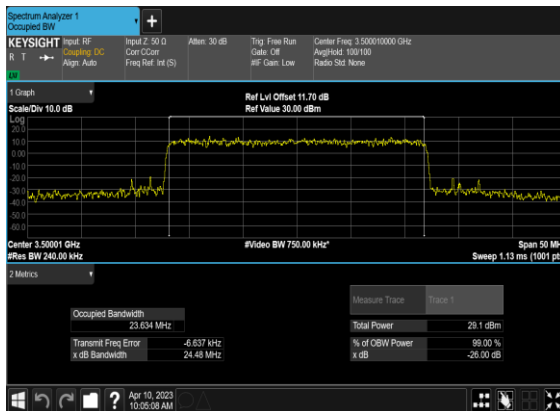
### N77(25M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



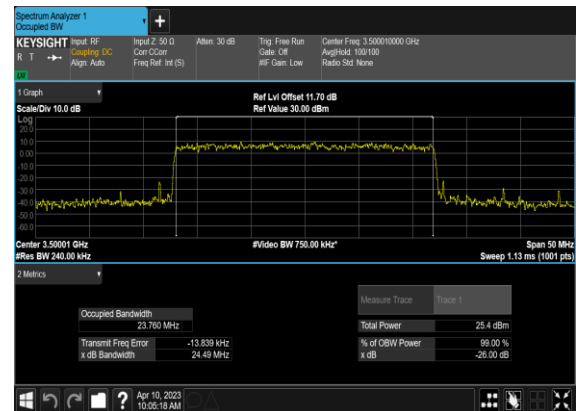
### N77(25M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



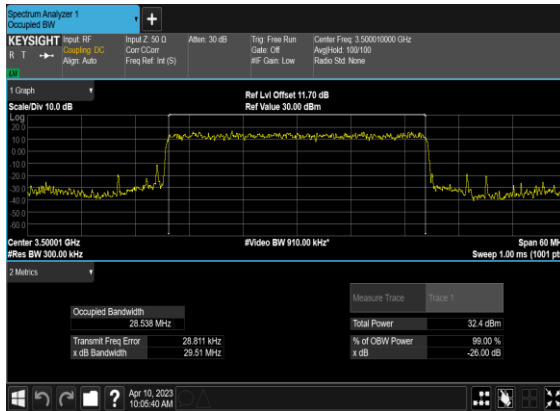
### N77(25M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



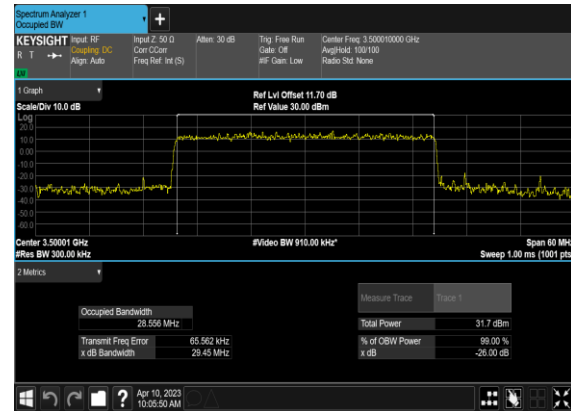
### N77(25M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



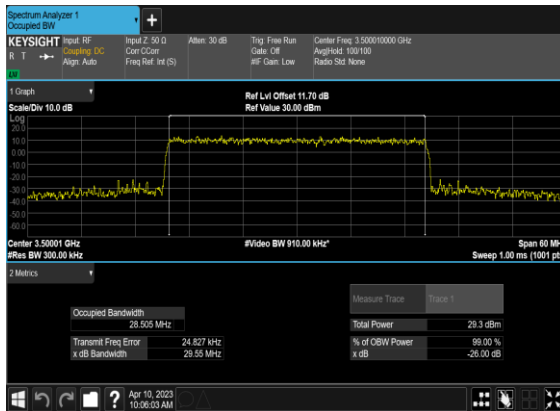
### N77(30M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



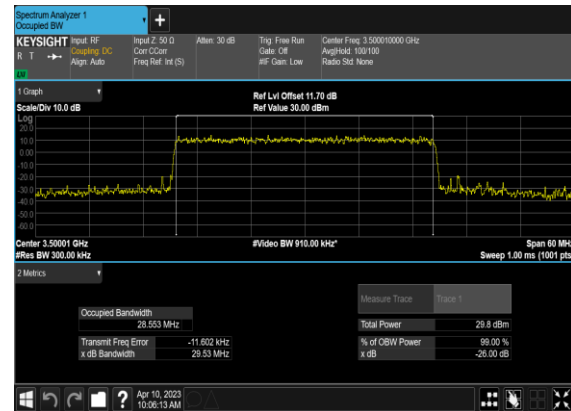
### N77(30M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



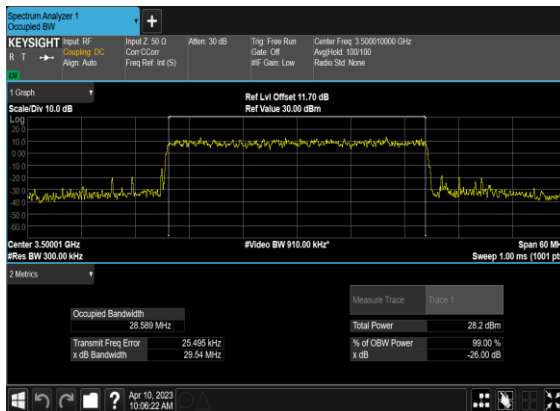
### N77(30M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



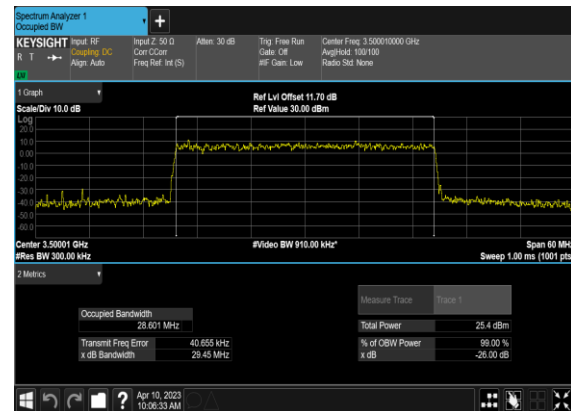
### N77(30M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



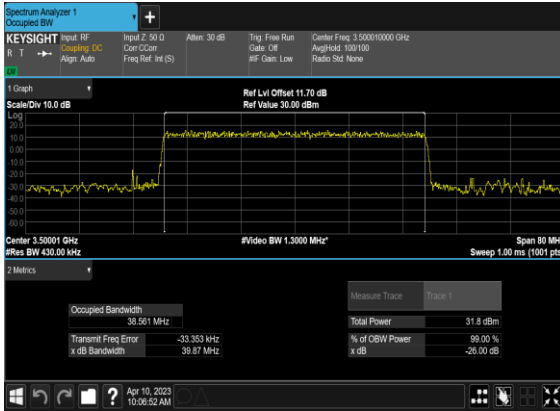
### N77(30M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



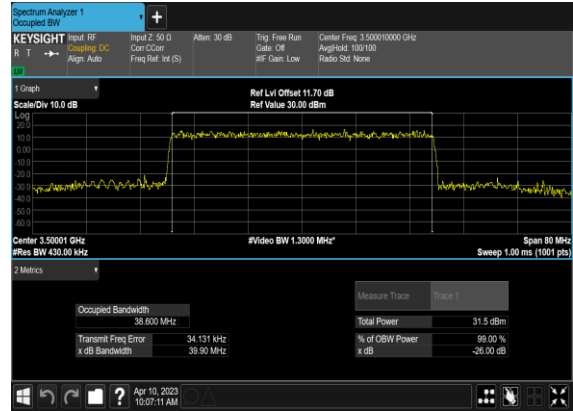
### N77(30M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



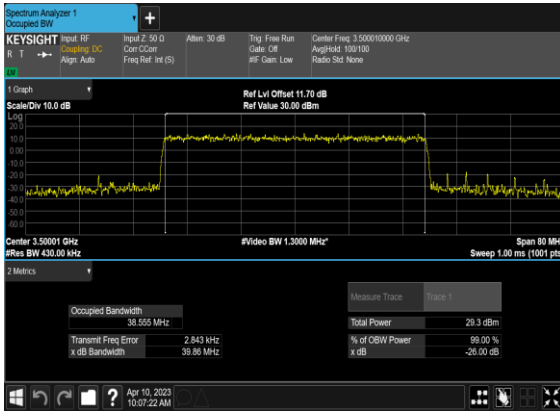
### N77(40M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



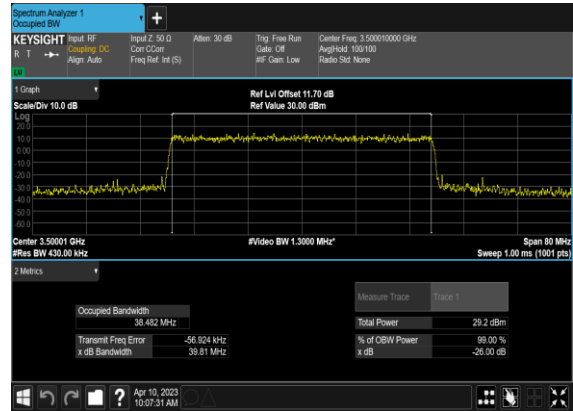
### N77(40M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



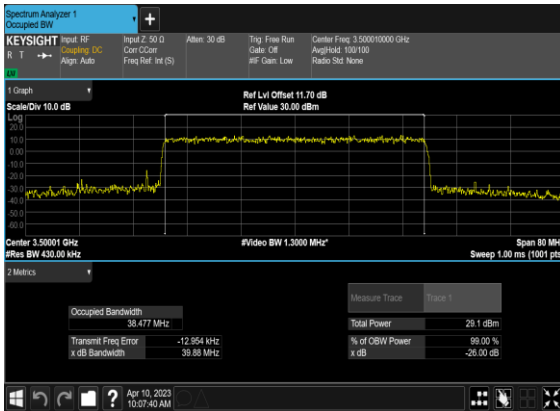
### N77(40M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



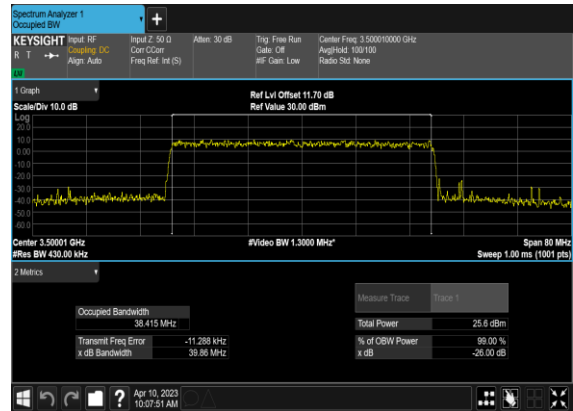
### N77(40M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



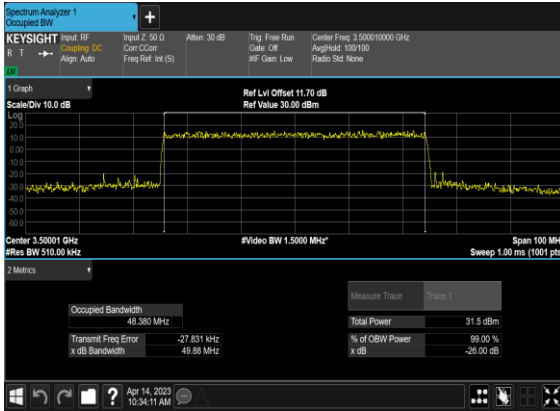
### N77(40M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



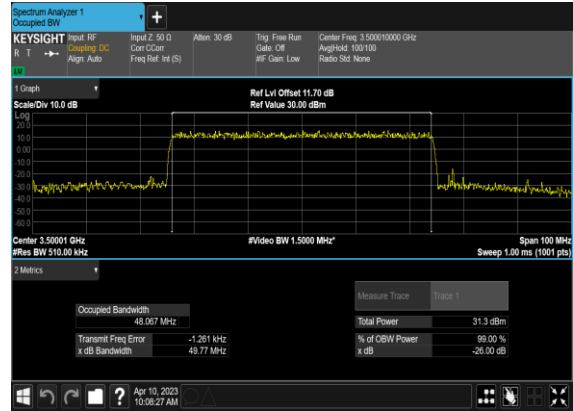
### N77(40M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



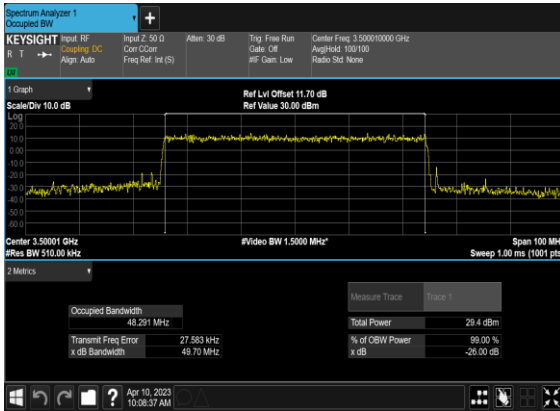
### N77(50M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



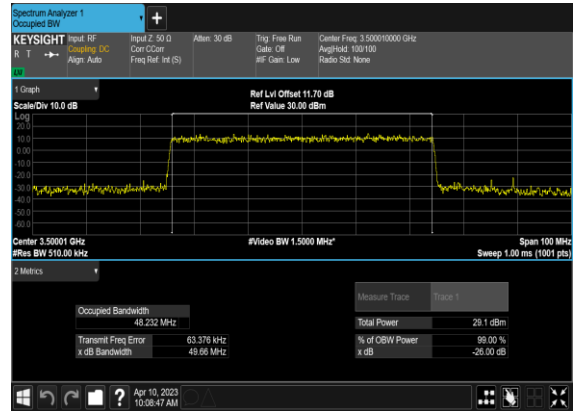
### N77(50M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



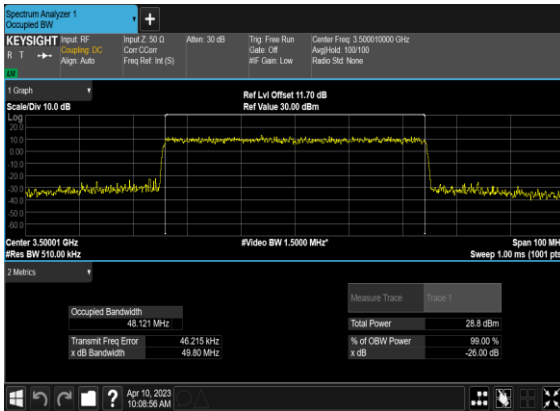
### N77(50M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



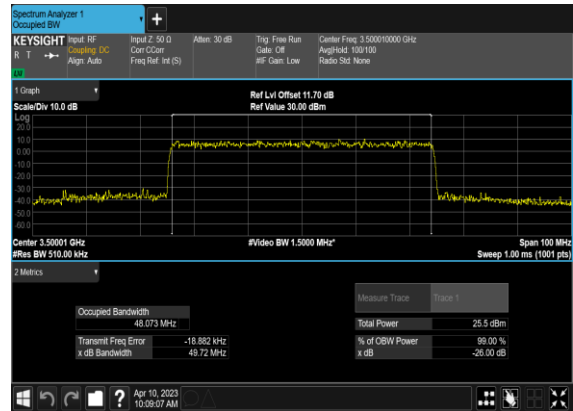
### N77(50M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### N77(50M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



### N77(50M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



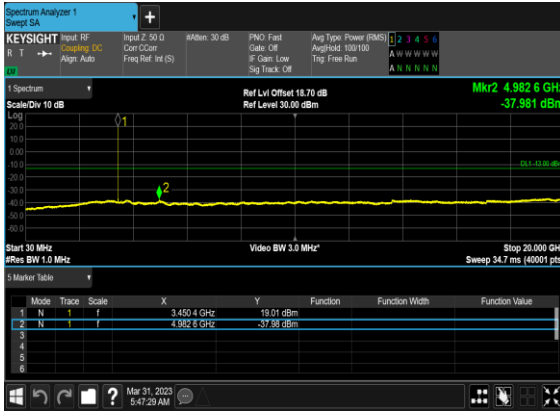
## Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	---

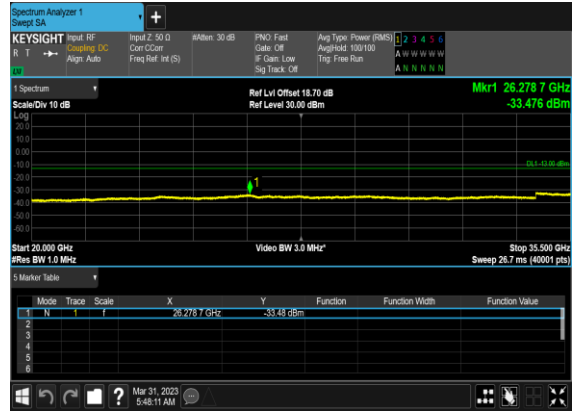
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	---
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---

<b>77</b>	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
<b>77</b>	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
<b>77</b>	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	---
<b>77</b>	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
<b>77</b>	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
<b>77</b>	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	---
<b>77</b>	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
<b>77</b>	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>

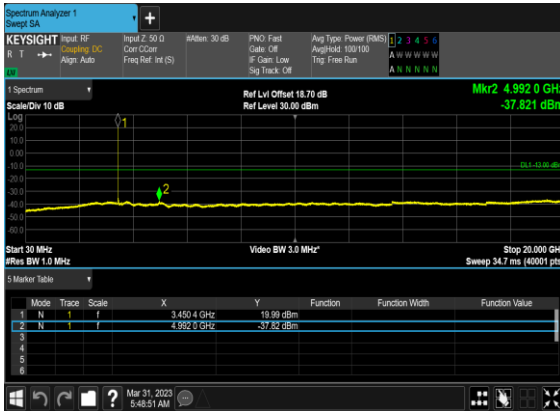
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



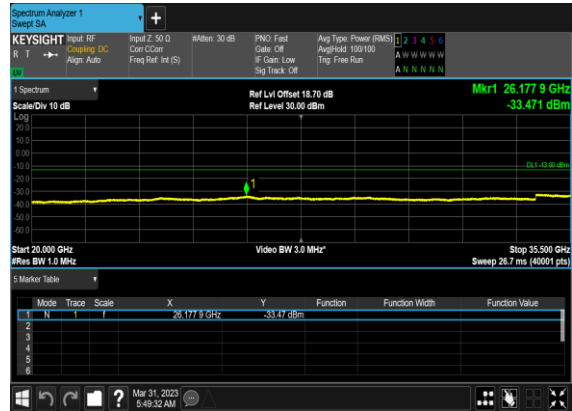
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



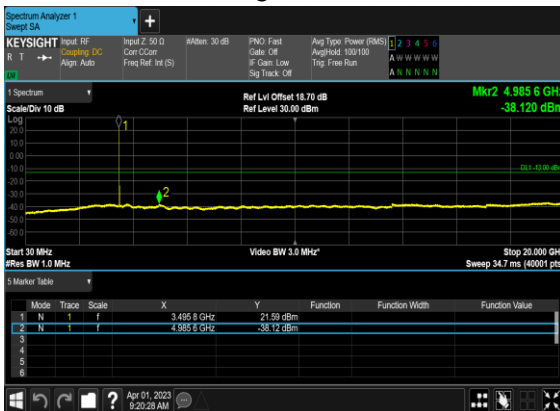
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



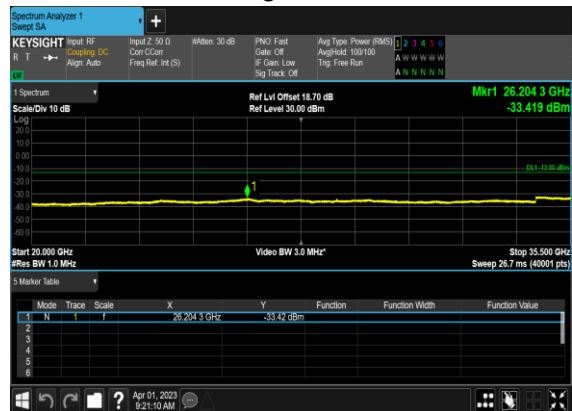
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



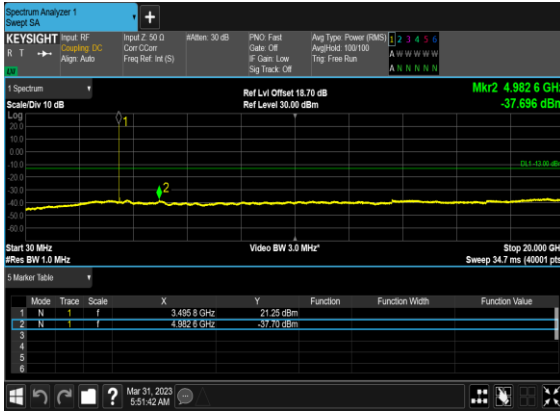
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



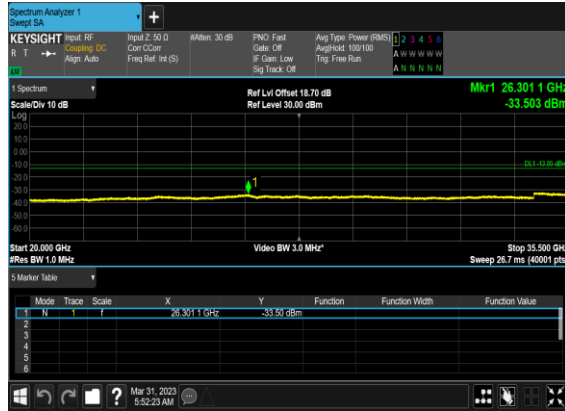
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



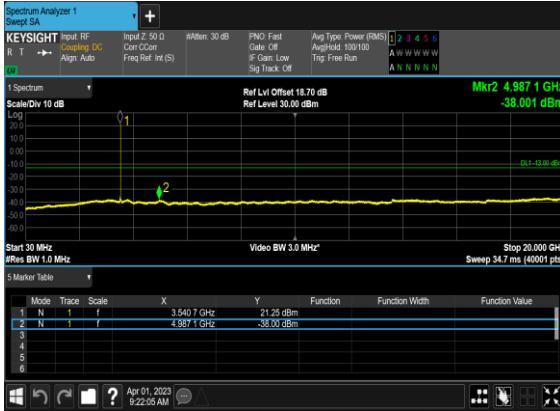
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



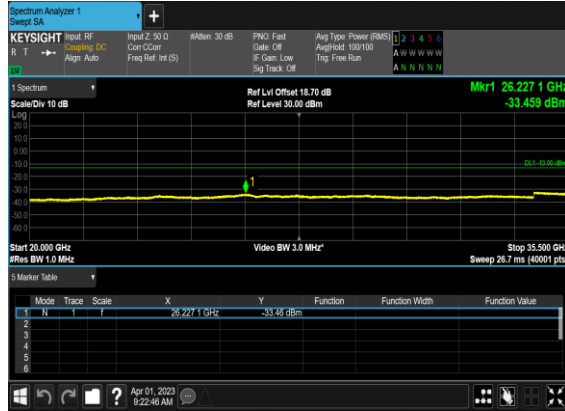
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



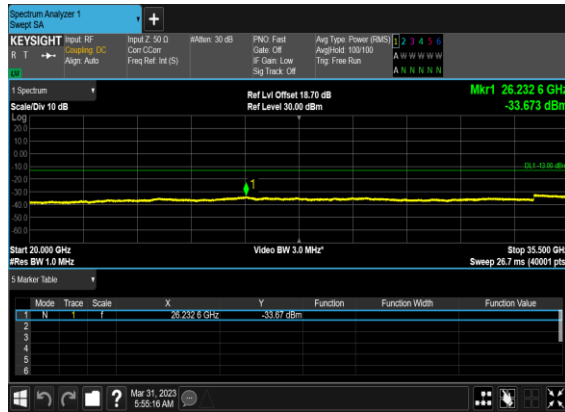
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



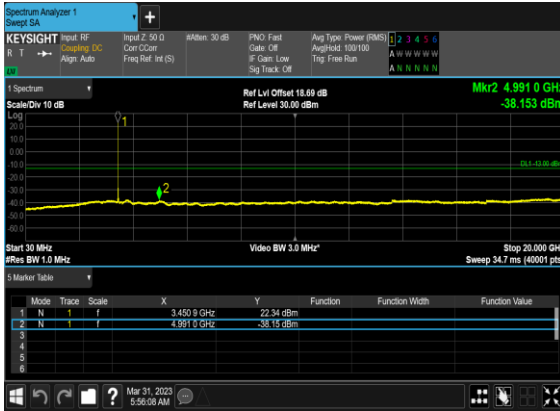
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



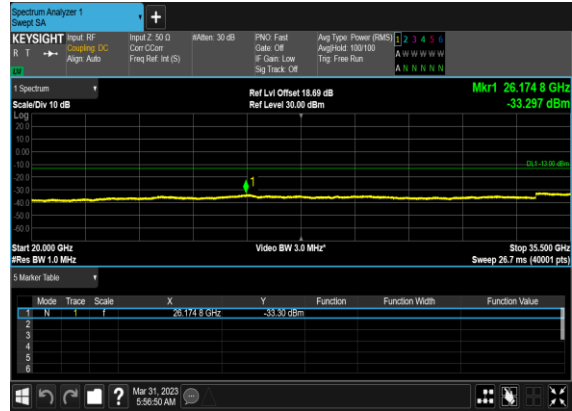
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N77(25M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



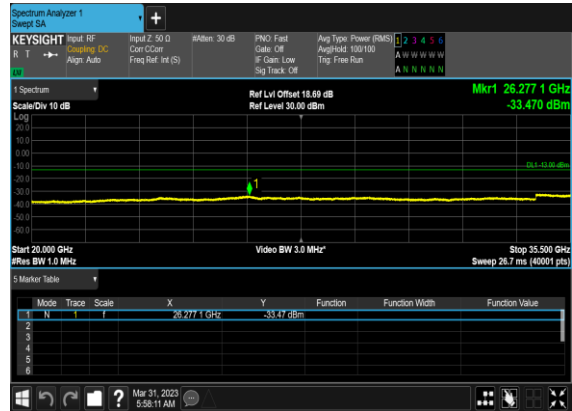
N77(25M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



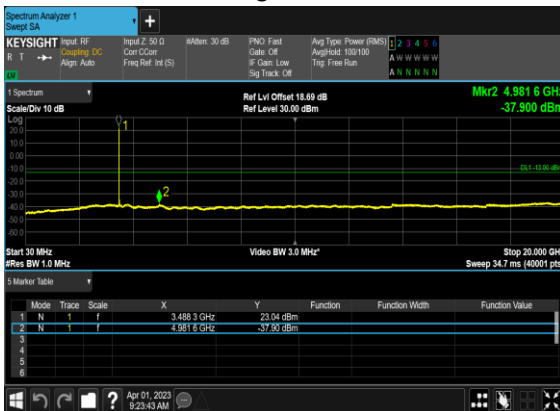
N77(25M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



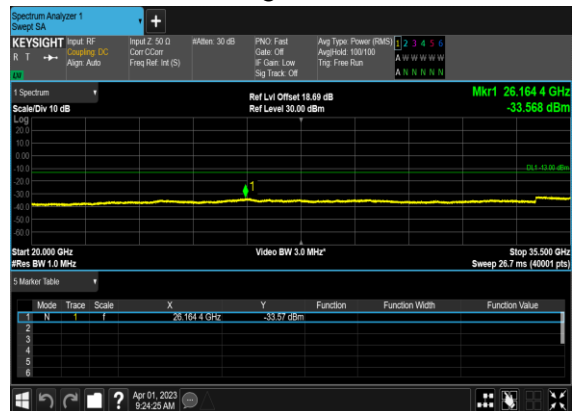
N77(25M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N77(25M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



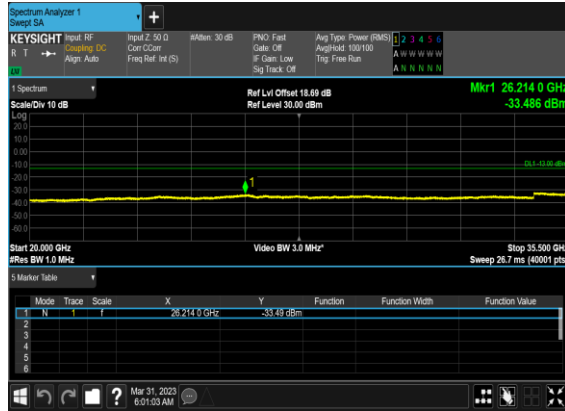
N77(25M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



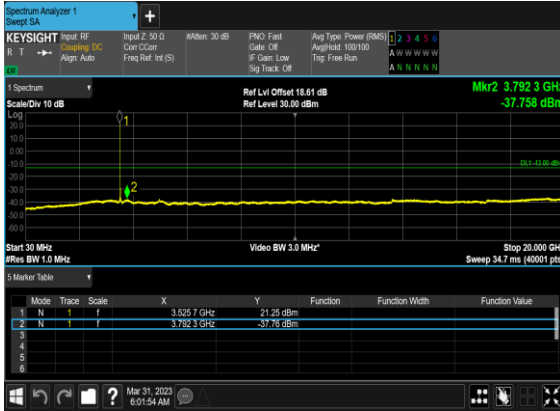
### N77(25M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



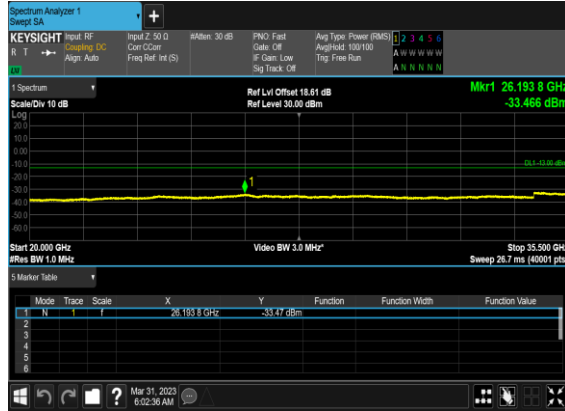
### N77(25M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(25M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



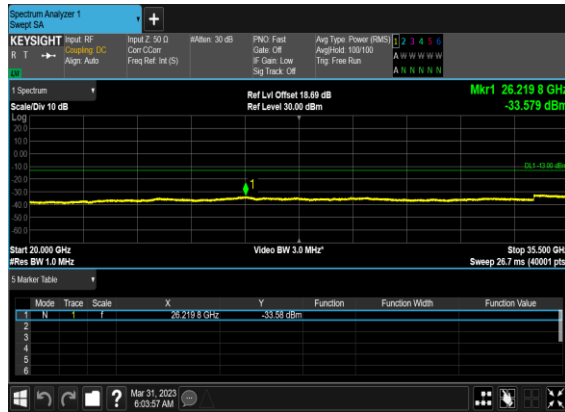
### N77(25M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



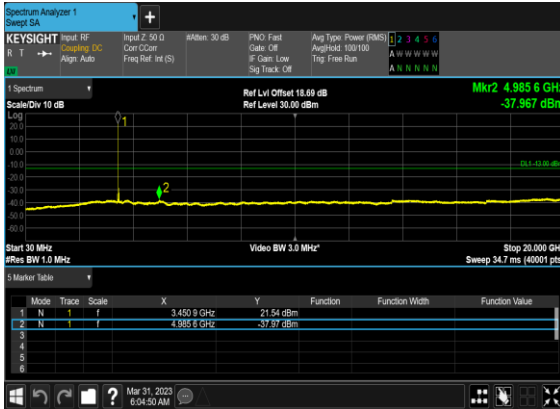
### N77(25M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



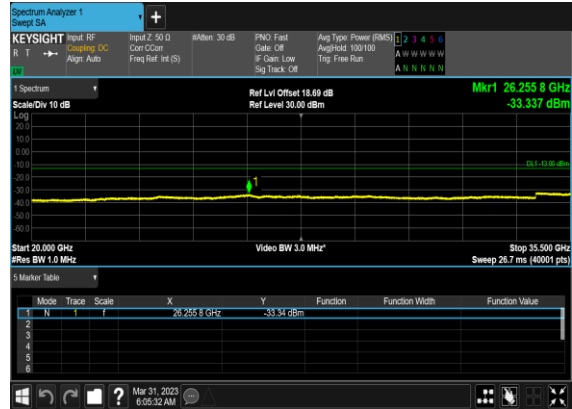
### N77(25M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



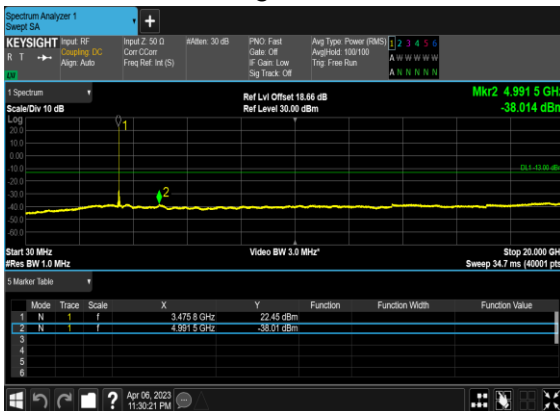
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



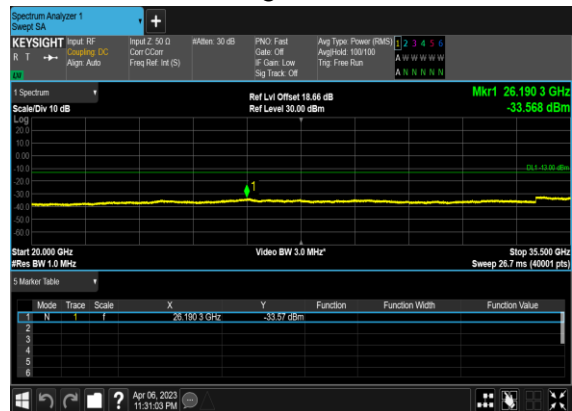
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



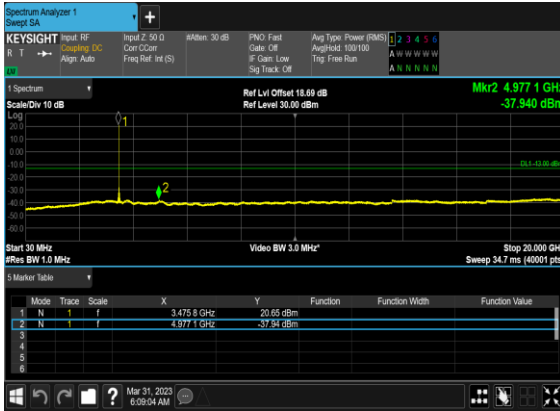
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



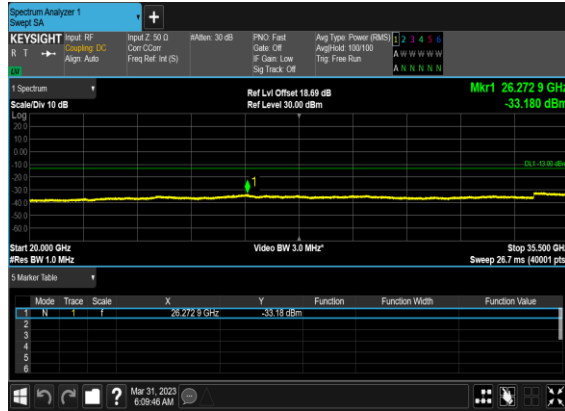
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



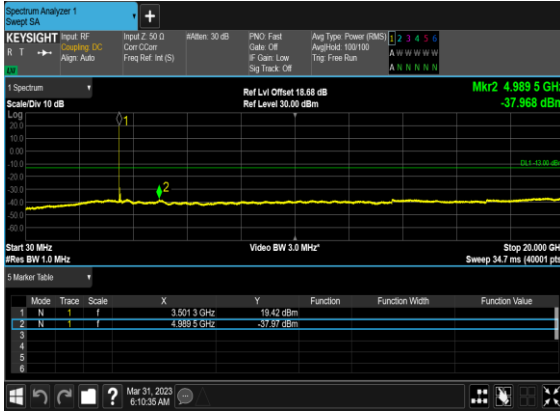
N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



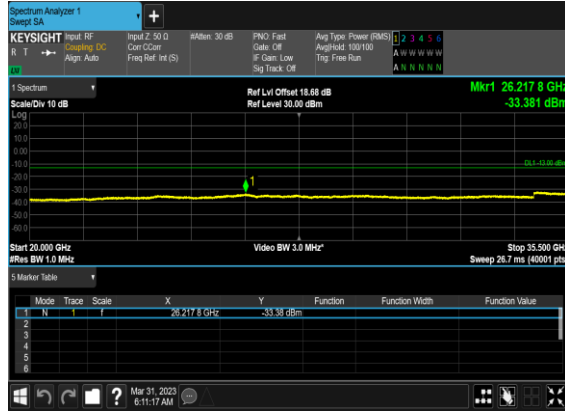
N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



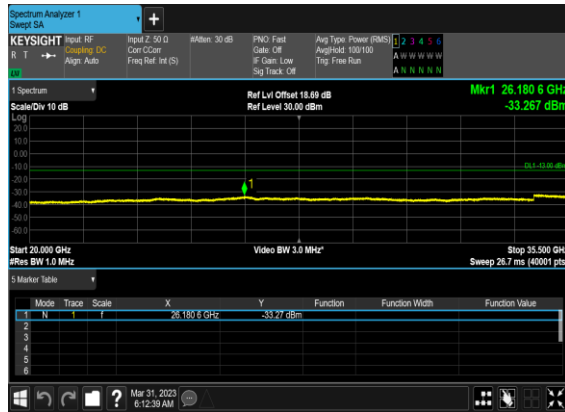
N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



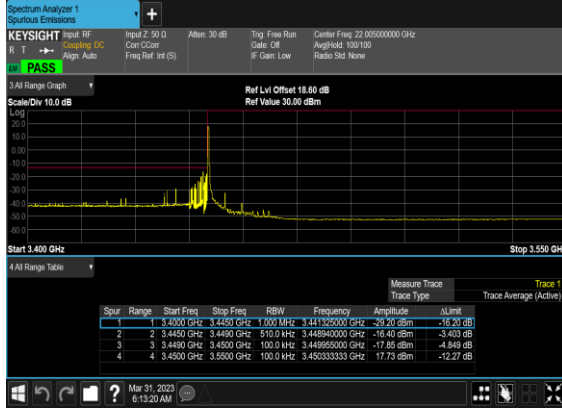
N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



## Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@51	see graph	PASS
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@51	see graph	PASS
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	270@0	see graph	PASS
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@269	see graph	PASS
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@269	see graph	PASS
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

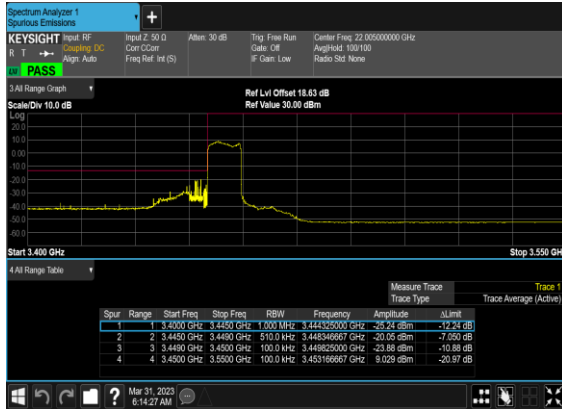
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



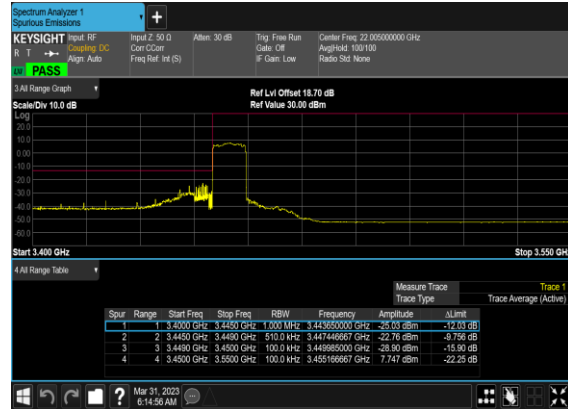
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



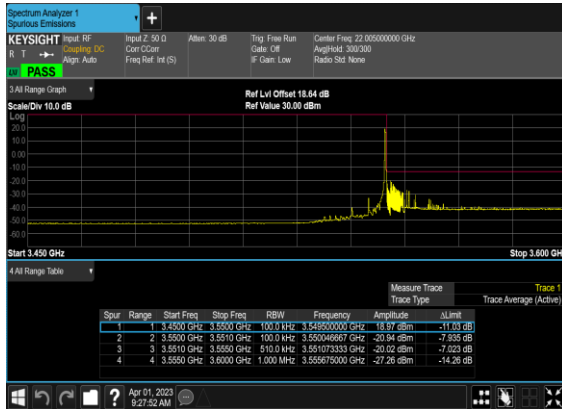
### N77(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



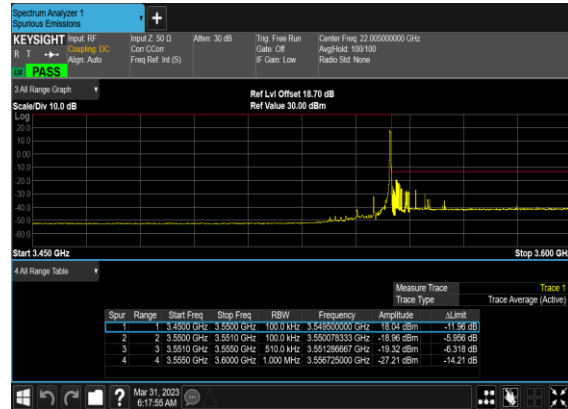
### N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



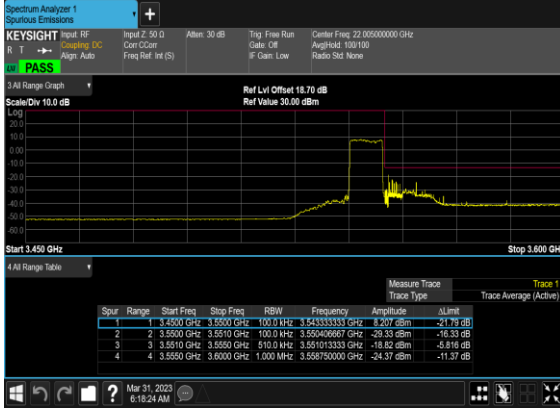
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



### N77(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



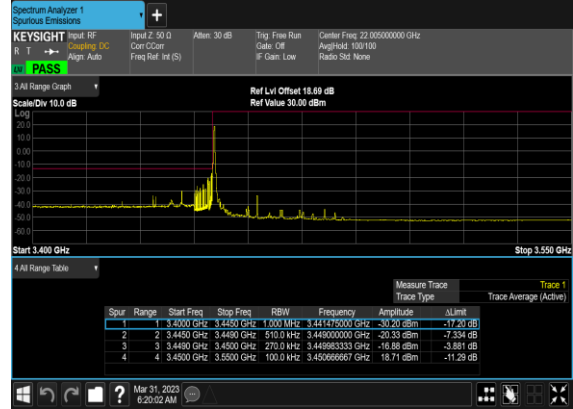
### N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



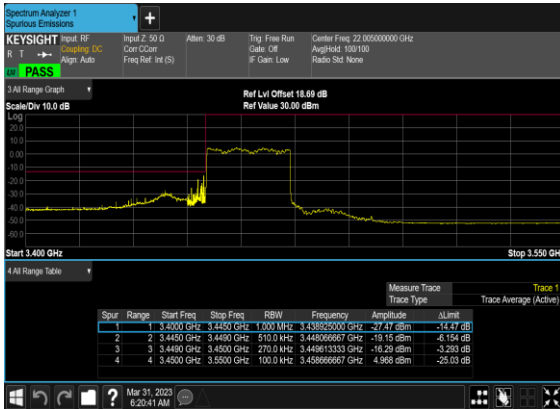
### N77(25M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



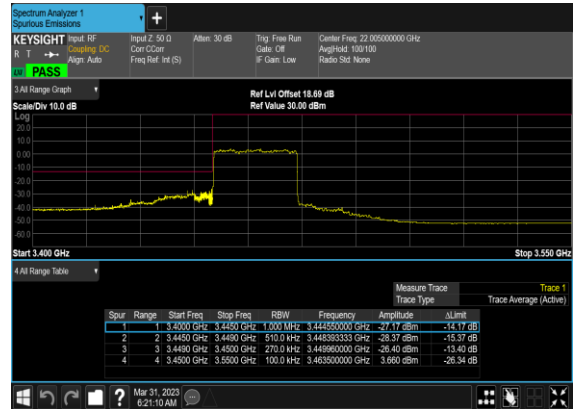
### N77(25M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



### N77(25M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



### N77(25M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



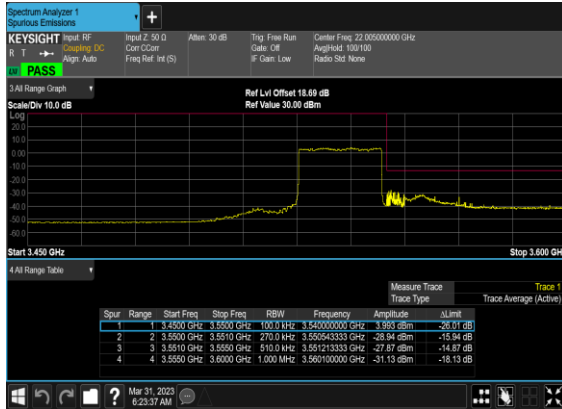
### N77(25M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



### N77(25M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



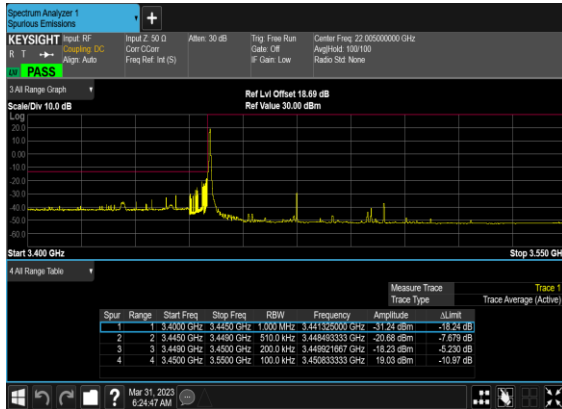
### N77(25M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



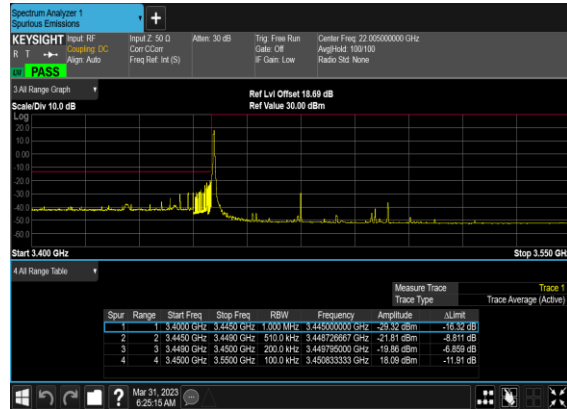
### N77(25M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



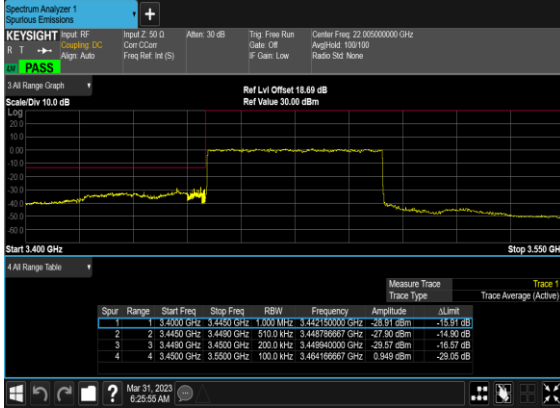
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



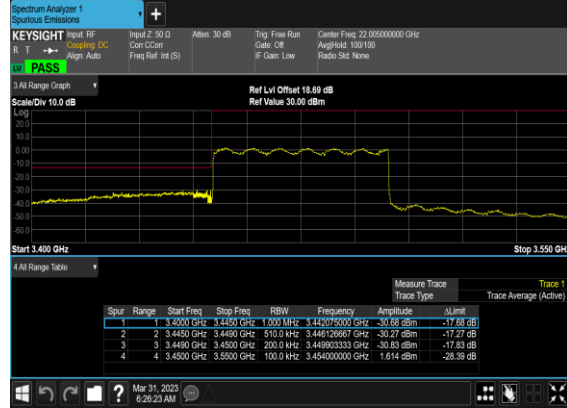
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



### N77(50M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



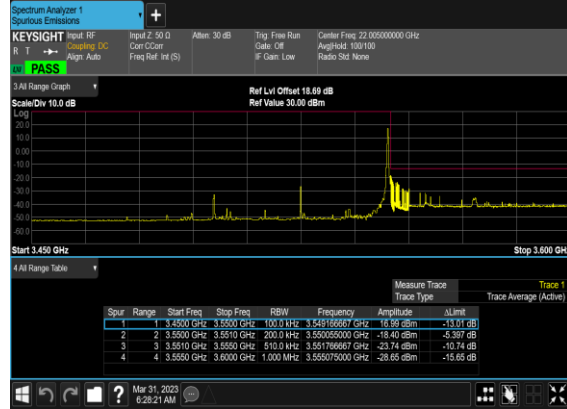
### N77(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



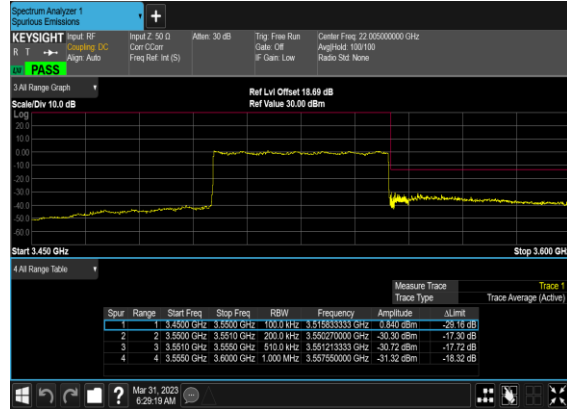
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



### N77(50M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



### N77(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



## FR1 N77(MIMO ANT4+2) – SCS 30k

### Transmitter Conducted Output Power And EIRP, ( $G_T - L_C$ )=-5.99dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT4 Power (dBm)	ANT2 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.46	25.69	28.59	22.60	0.1820
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.19	24.39	27.30	21.31	0.1352
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.11	26.04	28.61	22.62	0.1828
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.8	24.71	27.29	21.30	0.1349
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.65	25.69	28.68	22.69	0.1858
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.27	24.4	27.35	21.36	0.1368
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.62	25.84	28.74	22.75	0.1884
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.35	24.47	27.42	21.43	0.1390
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.08	26.04	27.51	21.52	0.1419
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.9	24.69	27.32	21.33	0.1358
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.48	25.62	28.56	22.57	0.1807
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	19.39	24.32	25.53	19.54	0.0899
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.71	25.74	28.74	22.75	0.1884
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.29	24.55	27.43	21.44	0.1393
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.26	25.95	28.63	22.64	0.1837
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.88	24.67	27.30	21.31	0.1352
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.7	25.7	28.71	22.72	0.1871
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.31	24.37	27.35	21.36	0.1368
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.56	25.81	28.70	22.71	0.1866
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	24.2	24.37	27.30	21.31	0.1352
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.17	25.82	28.52	22.53	0.1791
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.82	24.48	27.17	21.18	0.1312
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	25.69	25.49	28.60	22.61	0.1824
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	24.11	24.05	27.09	21.10	0.1288
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.67	25.82	28.76	22.77	0.1892
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.37	24.57	27.48	21.49	0.1409
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.36	25.81	28.60	22.61	0.1824
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.04	24.38	27.22	21.23	0.1327
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.74	25.57	28.67	22.68	0.1854
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.41	24.3	27.37	21.38	0.1374
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.67	25.83	28.76	22.77	0.1892
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.32	24.49	27.42	21.43	0.1390
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.59	25.78	28.70	22.71	0.1866
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.34	24.26	27.31	21.32	0.1355
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.48	25.83	28.67	22.68	0.1854
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.4	24.7	27.56	21.57	0.1435
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.65	25.79	28.73	22.74	0.1879
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.63	24.75	27.70	21.71	0.1483

77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.76	25.78	28.78	22.79	0.1901
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.43	24.45	27.45	21.46	0.1400
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.29	26.06	28.70	22.71	0.1866
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.06	24.7	27.40	21.41	0.1384
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.63	25.84	28.75	22.76	0.1888
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.25	24.5	27.39	21.40	0.1380
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.83	25.83	28.84	22.85	0.1928
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.69	24.61	27.66	21.67	0.1469
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.41	25.93	28.69	22.70	0.1862
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	23.75	24.54	27.17	21.18	0.1312
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.67	25.86	28.78	22.79	0.1901
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.27	24.58	27.44	21.45	0.1396
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.81	25.89	28.86	22.87	0.1936
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.7	24.6	27.66	21.67	0.1469
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.57	25.8	28.70	22.71	0.1866
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.2	24.54	27.38	21.39	0.1377
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.7	25.92	28.82	22.83	0.1919
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.38	24.57	27.49	21.50	0.1413
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.81	25.89	28.86	22.87	0.1936
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.62	24.73	27.69	21.70	0.1479
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.83	25.85	28.85	22.86	0.1932
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.5	24.58	27.55	21.56	0.1432
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.7	25.92	28.82	22.83	0.1919
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.28	24.56	27.43	21.44	0.1393
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.85	25.83	28.85	22.86	0.1932
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.53	24.64	27.60	21.61	0.1449
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.81	25.87	28.85	22.86	0.1932
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.73	24.63	27.69	21.70	0.1479
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.51	25.9	28.72	22.73	0.1875
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.71	26	28.87	22.88	0.1941
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.31	25.26	28.30	22.31	0.1702
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.44	25.81	28.64	22.65	0.1841
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.75	25.81	28.79	22.80	0.1905
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.43	25.22	28.34	22.35	0.1718
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.52	24.85	27.70	21.71	0.1483
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.38	24.69	27.55	21.56	0.1432
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.12	23.93	27.04	21.05	0.1274
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	22.51	22.9	25.72	19.73	0.0940
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.66	22.91	25.80	19.81	0.0957
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.34	22.25	25.31	19.32	0.0855
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	19.43	19.79	22.62	16.63	0.0460
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.6	19.77	22.70	16.71	0.0469
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	19.24	19.15	22.21	16.22	0.0419
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	23.98	24.33	27.17	21.18	0.1312
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.14	24.4	27.28	21.29	0.1346
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.88	23.85	26.88	20.89	0.1227

# FR1 N77(MIMO ANT2) – SCS 30k

## Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0052	PASS	NV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0042	PASS	LV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0043	PASS	HV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0040	PASS	-30°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0049	PASS	-20°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0029	PASS	-10°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0032	PASS	0°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0032	PASS	10°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0052	PASS	20°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0030	PASS	30°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0065	PASS	40°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0021	PASS	50°C

## Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	4.46	13	PASS
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@0	4.02	13	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	5.73	13	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	5.25	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	4.44	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	4.0	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	5.75	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	5.01	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	4.48	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	4.06	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	5.92	13	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	5.04	13	PASS

N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Low\_CH



N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Low\_CH



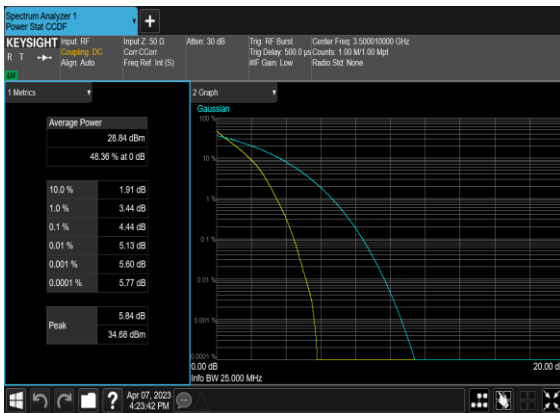
N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



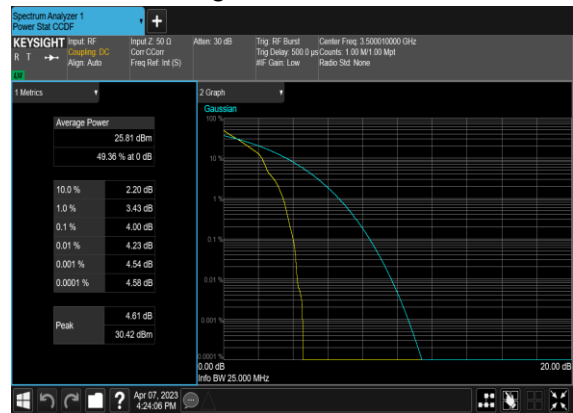
N77(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



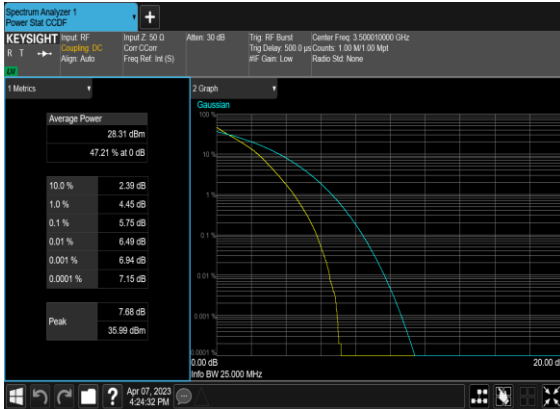
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



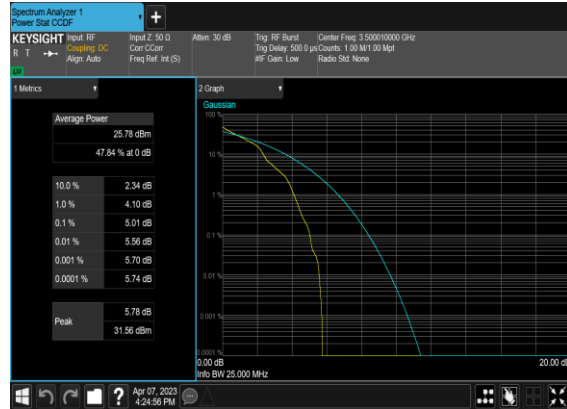
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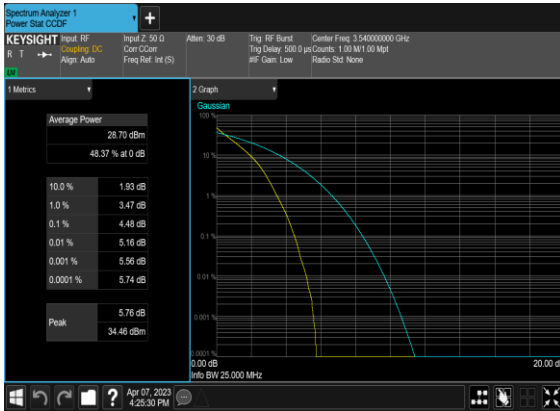
N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



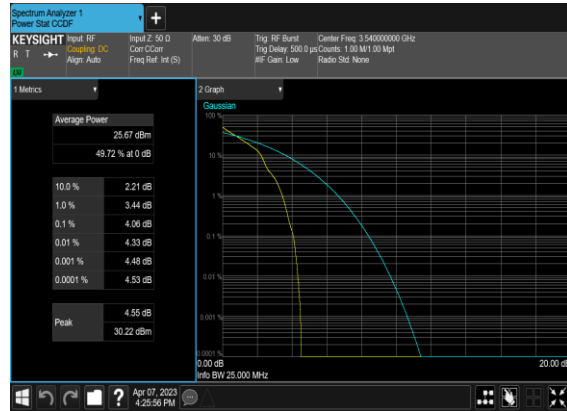
N77(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



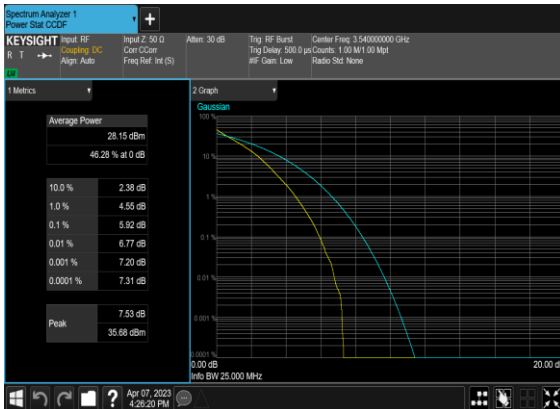
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_High\_CH



N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_High\_CH



N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



N77(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



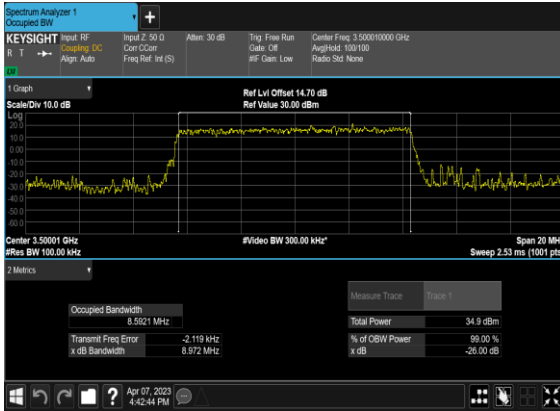
## Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	24@0	8.5921	8.972
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	24@0	8.5821	9.115
77	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.5582	9.298
77	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.5533	9.55
77	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.6023	9.396
77	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.5674	9.01
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@0	12.846	13.54
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	36@0	12.834	13.5
77	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.54	14.18
77	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.559	14.28
77	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.576	14.43
77	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.581	14.07
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	17.717	18.58
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.814	18.67
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.21	19.19
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.197	19.06
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.197	19.0
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.175	18.95
77	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@0	22.802	23.78
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	64@0	22.807	23.74
77	30	25	633334	3500.01	CP-OFDM QPSK	65@0	23.195	24.12
77	30	25	633334	3500.01	CP-OFDM 16 QAM	65@0	23.128	24.07
77	30	25	633334	3500.01	CP-OFDM 64 QAM	65@0	23.148	24.56
77	30	25	633334	3500.01	CP-OFDM 256 QAM	65@0	23.173	24.41

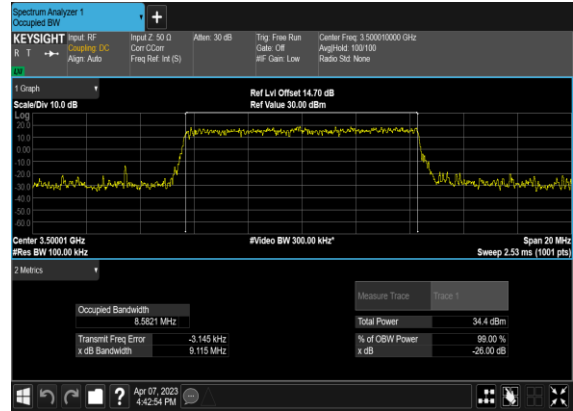
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	26.734	28.64
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	26.789	27.85
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.871	29.2
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.863	28.85
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.752	28.82
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.856	28.96
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	35.734	39.7
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	35.614	37.16
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.774	39.21
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.709	39.1
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.861	39.1
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.806	39.2
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	45.778	48.1
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	45.78	47.34
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.305	49.14
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.442	49.08
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.414	48.97
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.461	49.01
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	57.829	59.72
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	57.962	59.73
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.738	59.65
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.769	59.85
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.737	59.73
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.768	59.64
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	180@0	64.44	66.24
77	30	70	633334	3500.01	DFT-s-OFDM	180@0	64.408	66.28

QPSK								
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.393	69.52
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.519	69.57
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.341	69.53
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.466	69.54
77	30	80	633334	3500.01	DFT-s- OFDM PI/2 BPSK	216@0	77.294	79.6
77	30	80	633334	3500.01	DFT-s- OFDM QPSK	216@0	77.242	79.47
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.518	79.94
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.489	79.88
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.51	79.98
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.579	79.97
77	30	90	633334	3500.01	DFT-s- OFDM PI/2 BPSK	240@0	85.72	88.57
77	30	90	633334	3500.01	DFT-s- OFDM QPSK	240@0	85.89	88.49
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.65	90.13
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.565	90.22
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.654	90.23
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.425	90.31
77	30	100	633334	3500.01	DFT-s- OFDM PI/2 BPSK	270@0	96.424	99.38
77	30	100	633334	3500.01	DFT-s- OFDM QPSK	270@0	96.469	99.42
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.591	100.5
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.695	100.5
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.505	100.5
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.538	100.5

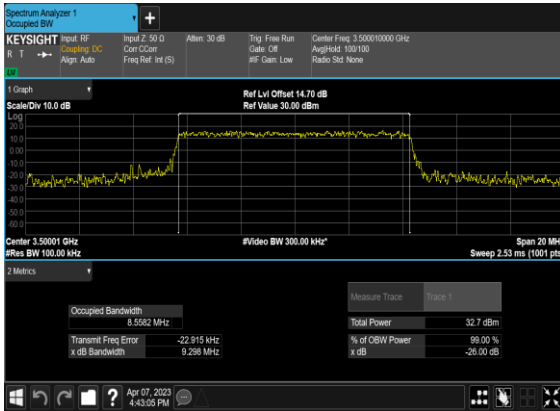
### N77(10M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



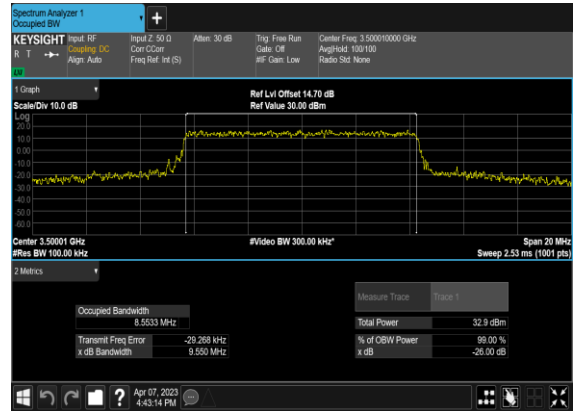
### N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



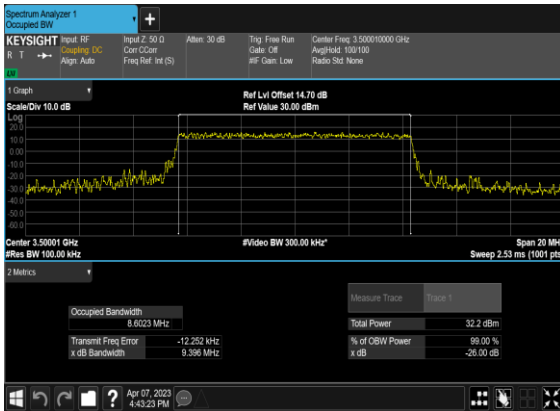
### N77(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



### N77(10M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



### N77(10M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



### N77(10M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH

