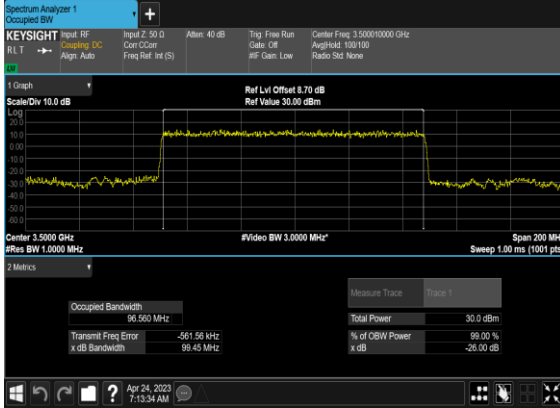
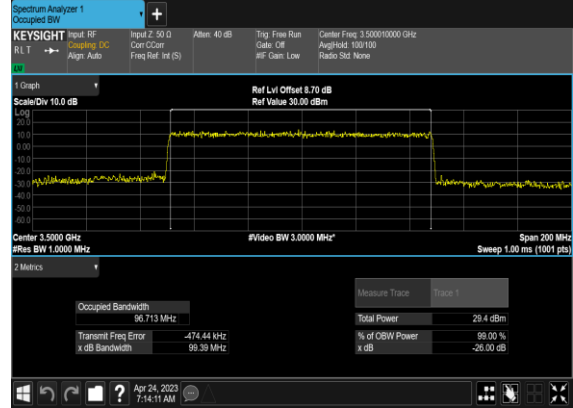


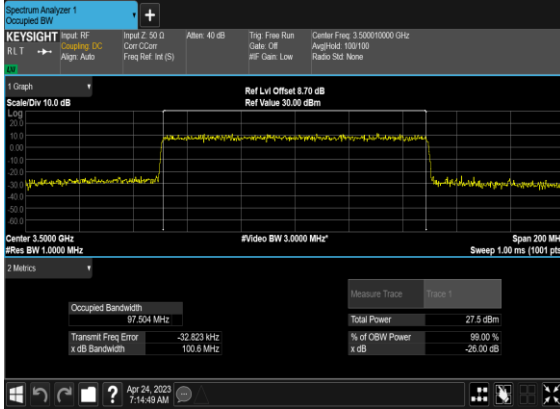
N77(100M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



N77(100M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



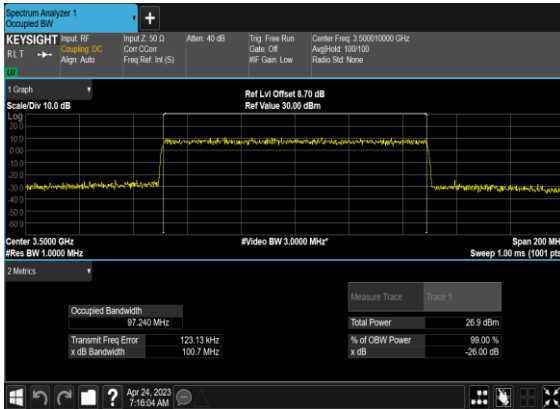
N77(100M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



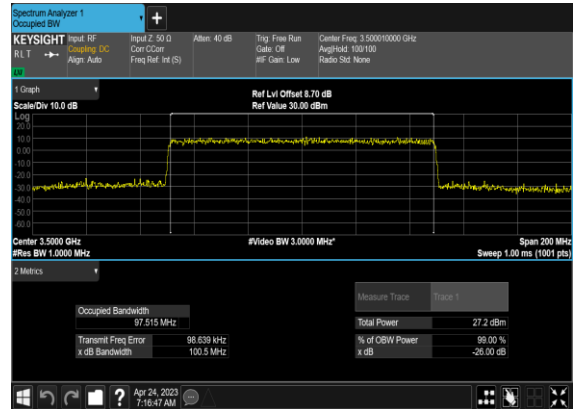
N77(100M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N77(100M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



N77(100M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



## Conducted Spurious Emissions

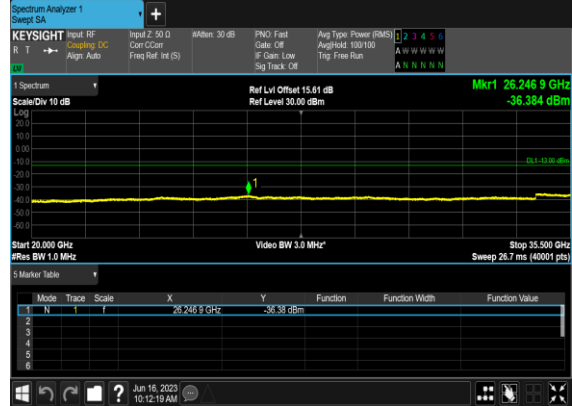
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	---

77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	100	633334	3500.01	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



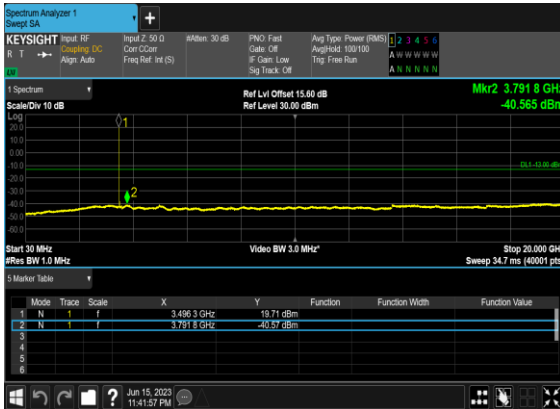
N77(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



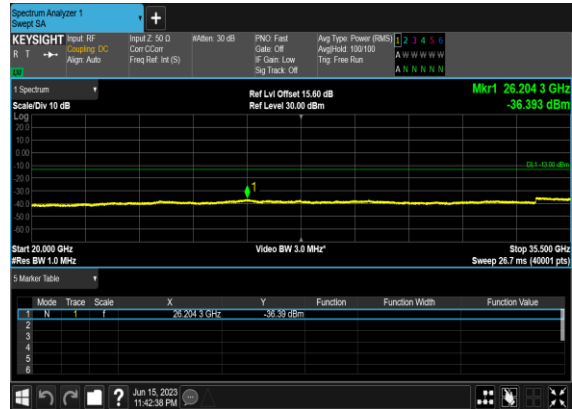
N77(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



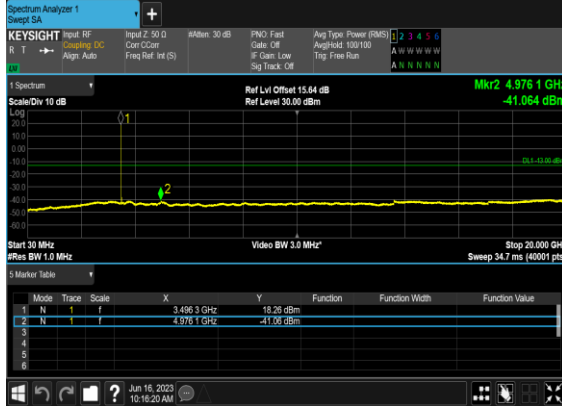
N77(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



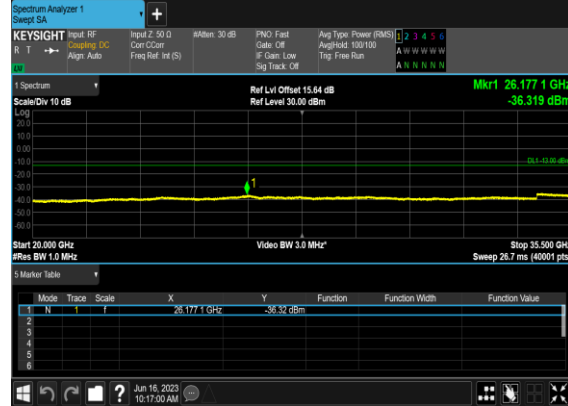
N77(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



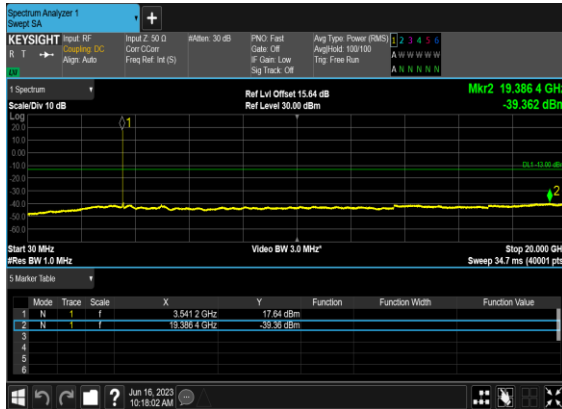
N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



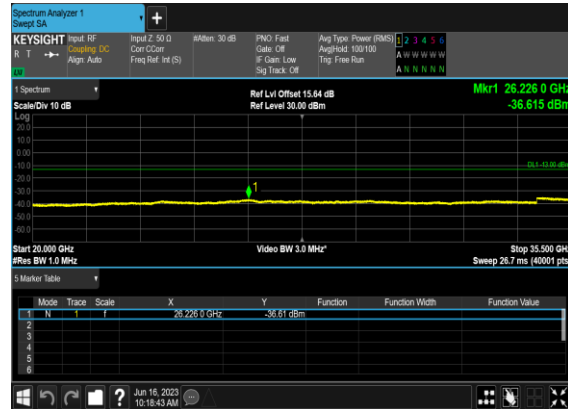
N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



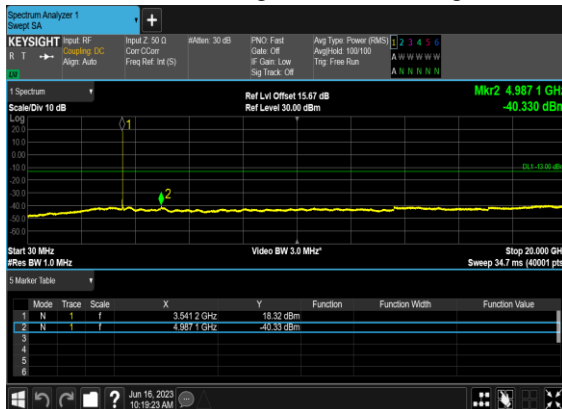
N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



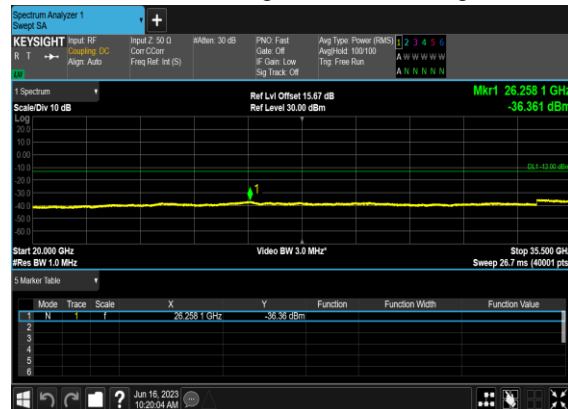
N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



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



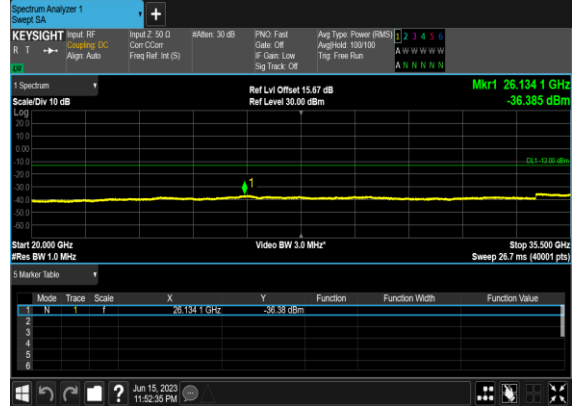
N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



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



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



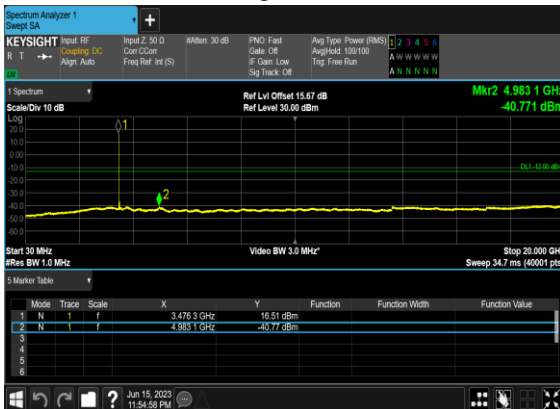
N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



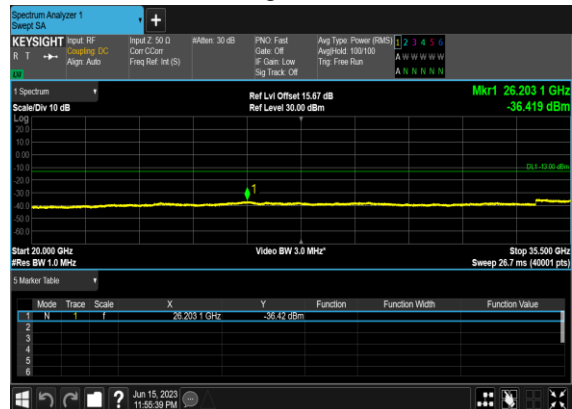
N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



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



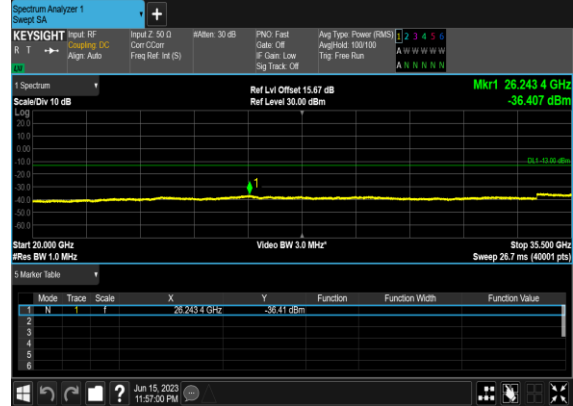
N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



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



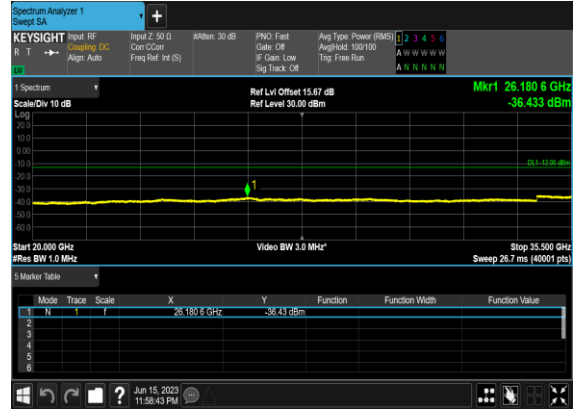
N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



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



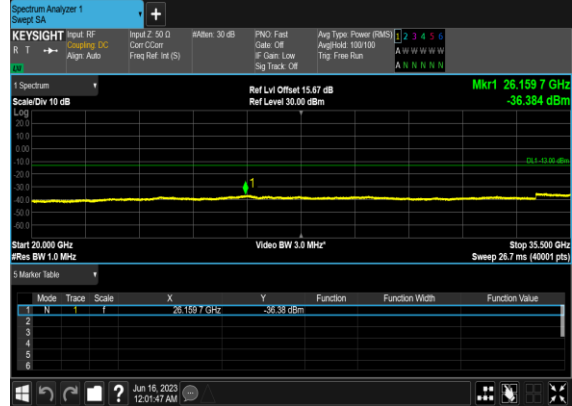
N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH





## Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	PASS

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



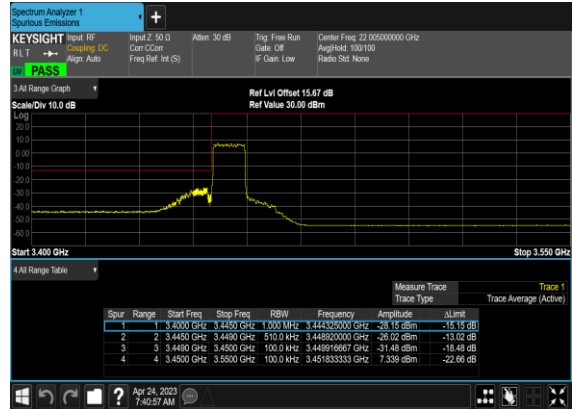
N77(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



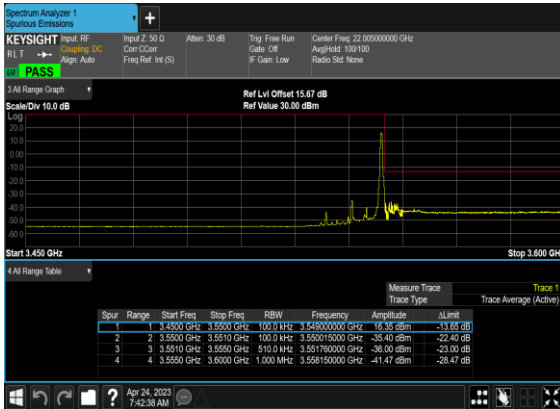
N77(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



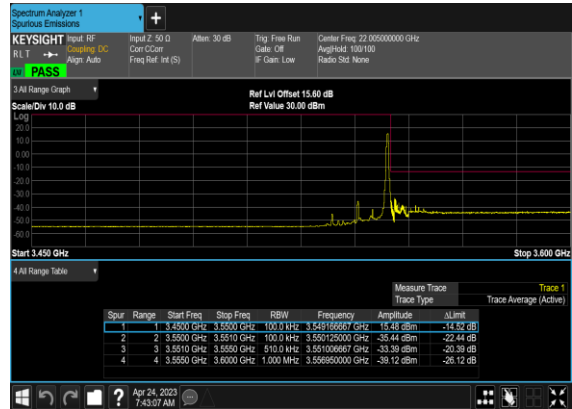
N77(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



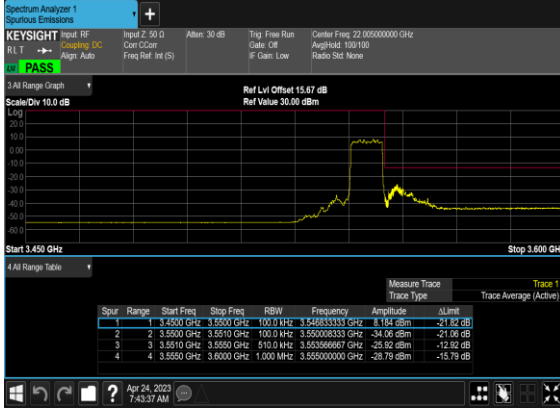
N77(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



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



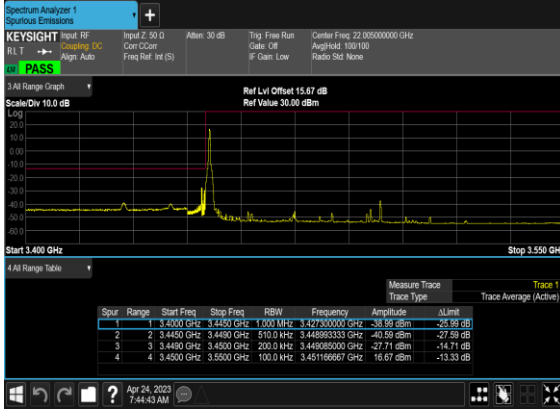
### N77(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



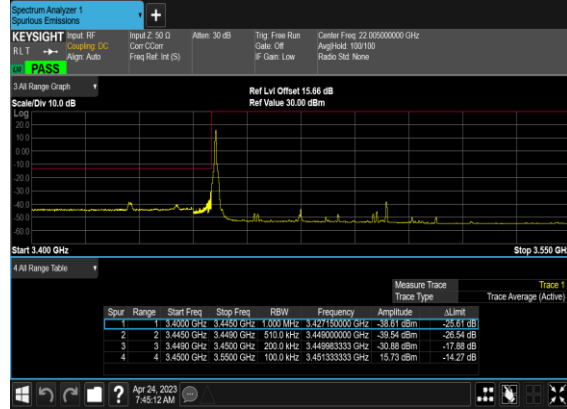
### N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



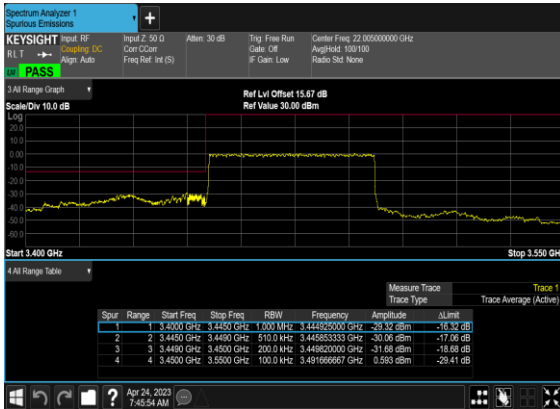
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



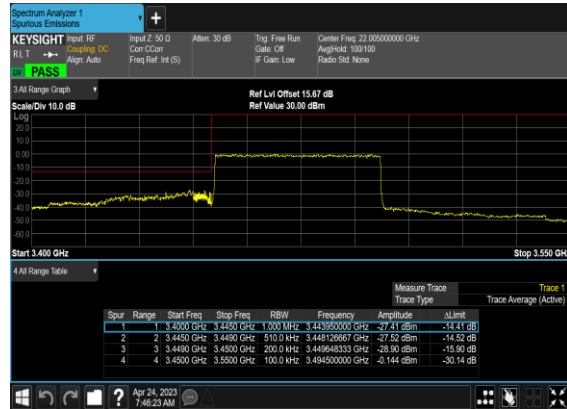
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



### 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



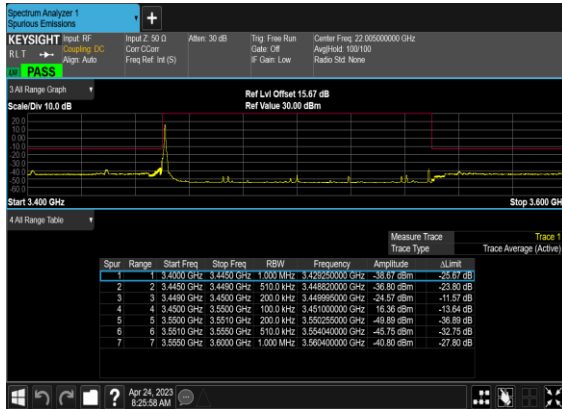
### N77(50M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



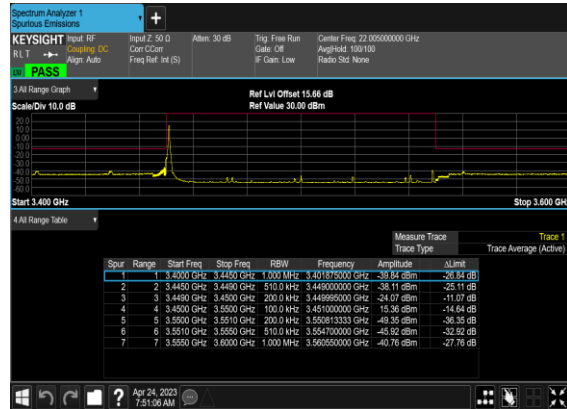
### N77(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



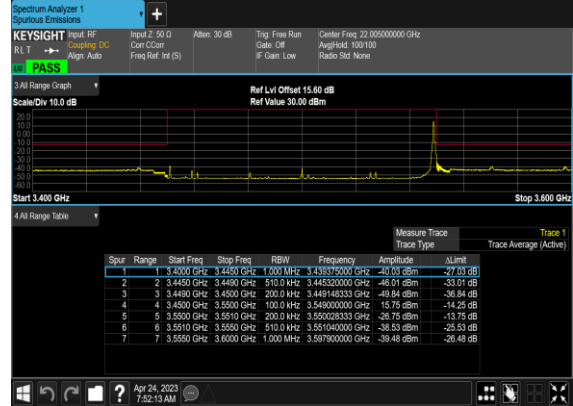
### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



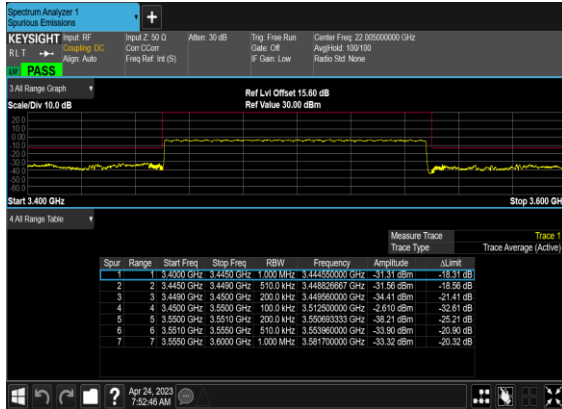
### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH



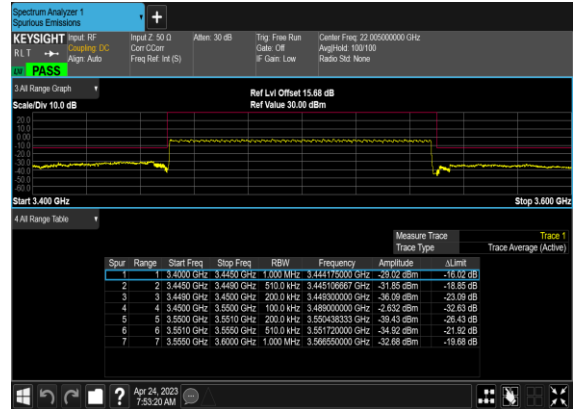
### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH



### N77(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH



### N77(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



# FR1 N77 (MIMO-ANT0+1) – SCS 15kHz

## Transmitter Conducted Output Power And EIRP, (G<sub>T</sub> - L<sub>C</sub>)=18.01dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT0 Power(dBm)	ANT1 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.32	26.29	28.84	46.85	48.4172
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.33	24.97	27.67	45.68	36.9828
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.55	26.15	28.87	46.88	48.7528
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.51	25.1	27.83	45.84	38.3707
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	25.66	26.06	28.87	46.88	48.7528
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	24.56	25.07	27.83	45.84	38.3707
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.46	26.24	28.88	46.89	48.8652
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.54	25.07	27.82	45.83	38.2825
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.62	26.24	28.95	46.96	49.6592
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.53	25.08	27.82	45.83	38.2825
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.68	26.04	28.87	46.88	48.7528
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.65	25.09	27.89	45.9	38.9045
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	25.58	26.3	28.97	46.98	49.8884
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	24.45	25.06	27.78	45.79	37.9315
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.66	26.27	28.99	47	50.1187
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.64	25.12	27.90	45.91	38.9942
77	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.72	26.15	28.95	46.96	49.6592
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.64	25.06	27.87	45.88	38.7258
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.61	26.23	28.94	46.95	49.5450
77	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	24.55	25.16	27.88	45.89	38.8150

77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.69	26.19	28.96	46.97	49.7737
77	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.63	25.08	27.87	45.88	38.7258
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@1	25.64	23.07	27.55	45.56	35.9749
77	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@1	24.57	25.07	27.84	45.85	38.4592
77	15	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.61	26.22	28.94	46.95	49.5450
77	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.6	25.13	27.88	45.89	38.8150
77	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.66	26.23	28.96	46.97	49.7737
77	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.57	25.11	27.86	45.87	38.6367
77	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.69	26.21	28.97	46.98	49.8884
77	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.57	25.2	27.91	45.92	39.0841
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.57	26.2	28.91	46.92	49.2040
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.59	25.19	27.91	45.92	39.0841
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.69	26.23	28.98	46.99	50.0035
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.68	25.13	27.92	45.93	39.1742
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	25.64	26.24	28.96	46.97	49.7737
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	24.57	25.18	27.90	45.91	38.9942
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	25.64	26.1	28.89	46.9	48.9779
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	25.58	26.29	28.96	46.97	49.7737
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	25.46	25.9	28.70	46.71	46.8813
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	25.65	26.08	28.88	46.89	48.8652
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	25.61	26.27	28.96	46.97	49.7737
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	25.41	25.85	28.65	46.66	46.3447
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	24.59	25.11	27.87	45.88	38.7258
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	24.52	25.18	27.87	45.88	38.7258

77	15	50	631667	3475.005	DFT-s- OFDM 16 QAM	1@268	24.34	24.76	27.57	45.58	36.1410
77	15	50	631667	3475.005	DFT-s- OFDM 64 QAM	135@67	22.73	23.19	25.98	43.99	25.0611
77	15	50	631667	3475.005	DFT-s- OFDM 64 QAM	1@1	22.83	23.28	26.07	44.08	25.5859
77	15	50	631667	3475.005	DFT-s- OFDM 64 QAM	1@268	22.88	22.89	25.90	43.91	24.6037
77	15	50	631667	3475.005	DFT-s- OFDM 256 QAM	135@67	20.28	20.93	23.63	41.64	14.5881
77	15	50	631667	3475.005	DFT-s- OFDM 256 QAM	1@1	20.32	20.8	23.58	41.59	14.4212
77	15	50	631667	3475.005	DFT-s- OFDM 256 QAM	1@268	20	20.51	23.27	41.28	13.4276
77	15	50	631667	3475.005	CP-OFDM QPSK	135@67	24.12	24.22	27.18	45.19	33.0370
77	15	50	631667	3475.005	CP-OFDM QPSK	1@1	24.15	24.82	27.51	45.52	35.6451
77	15	50	631667	3475.005	CP-OFDM QPSK	1@268	24.02	24.46	27.26	45.27	33.6512
77	15	50	633334	3500.01	DFT-s- OFDM PI/2 BPSK	135@67	25.61	26.04	28.84	46.85	48.4172
77	15	50	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	25.75	26.21	29.00	47.01	50.2343
77	15	50	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@268	25.52	25.9	28.72	46.73	47.0977
77	15	50	633334	3500.01	DFT-s- OFDM QPSK	135@67	25.6	26.08	28.86	46.87	48.6407
77	15	50	633334	3500.01	DFT-s- OFDM QPSK	1@1	25.7	26.2	28.97	46.98	49.8884
77	15	50	633334	3500.01	DFT-s- OFDM QPSK	1@268	25.47	25.97	28.74	46.75	47.3151
77	15	50	633334	3500.01	DFT-s- OFDM 16 QAM	135@67	24.61	25.06	27.85	45.86	38.5478
77	15	50	633334	3500.01	DFT-s- OFDM 16 QAM	1@1	24.66	25.24	27.97	45.98	39.6278
77	15	50	633334	3500.01	DFT-s- OFDM 16 QAM	1@268	24.5	24.93	27.73	45.74	37.4973
77	15	50	633334	3500.01	DFT-s- OFDM 64 QAM	135@67	22.62	23.18	25.92	43.93	24.7172
77	15	50	633334	3500.01	DFT-s- OFDM 64 QAM	1@1	22.96	23.46	26.23	44.24	26.5461
77	15	50	633334	3500.01	DFT-s- OFDM 64 QAM	1@268	23.04	23.4	26.23	44.24	26.5461
77	15	50	633334	3500.01	DFT-s- OFDM 256 QAM	135@67	20.21	20.75	23.50	41.51	14.1579
77	15	50	633334	3500.01	DFT-s- OFDM 256 QAM	1@1	20.25	20.72	23.50	41.51	14.1579
77	15	50	633334	3500.01	DFT-s- OFDM 256 QAM	1@268	20.12	20.5	23.32	41.33	13.5831



77	15	50	633334	3500.01	CP-OFDM QPSK	135@67	24.11	24.29	27.21	45.22	33.2660
77	15	50	633334	3500.01	CP-OFDM QPSK	1@1	24.26	24.76	27.53	45.54	35.8096
77	15	50	633334	3500.01	CP-OFDM QPSK	1@268	24.04	24.48	27.28	45.29	33.8065
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	25.62	26.05	28.85	46.86	48.5289
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	25.58	26.29	28.96	46.97	49.7737
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	25.53	25.81	28.68	46.69	46.6659
77	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	25.64	26.1	28.89	46.9	48.9779
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.89	26.49	29.21	47.22	52.7230
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	25.54	25.77	28.67	46.68	46.5586
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	24.63	25.21	27.94	45.95	39.3550
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.7	25.36	28.05	46.06	40.3645
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	24.49	24.66	27.59	45.6	36.3078
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	22.59	23.21	25.92	43.93	24.7172
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	23.21	23.71	26.48	44.49	28.1190
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	23	22.86	25.94	43.95	24.8313
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	20.19	20.63	23.43	41.44	13.9316
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	20.17	20.66	23.43	41.44	13.9316
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	20.26	20.35	23.32	41.33	13.5831
77	15	50	635000	3525	CP-OFDM QPSK	135@67	24.18	24.46	27.33	45.34	34.1979
77	15	50	635000	3525	CP-OFDM QPSK	1@1	24.26	24.77	27.53	45.54	35.8096
77	15	50	635000	3525	CP-OFDM QPSK	1@268	24.02	24.47	27.26	45.27	33.6512

# FR1 N77 (MIMO-ANT0) – SCS 15kHz

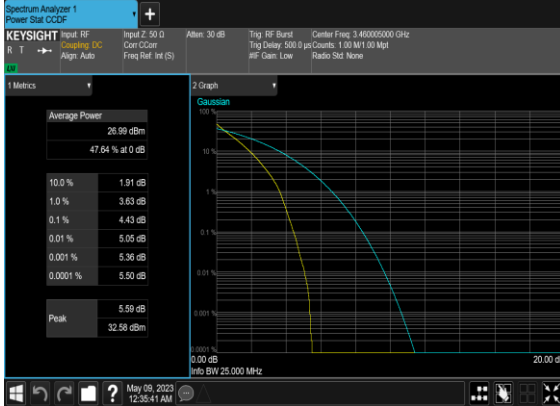
## Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0036	PASS	NV
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0061	PASS	LV
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0067	PASS	HV
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0041	PASS	-30°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0047	PASS	-20°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0045	PASS	-10°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0055	PASS	0°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0058	PASS	10°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0036	PASS	20°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0059	PASS	30°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0024	PASS	40°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0046	PASS	50°C

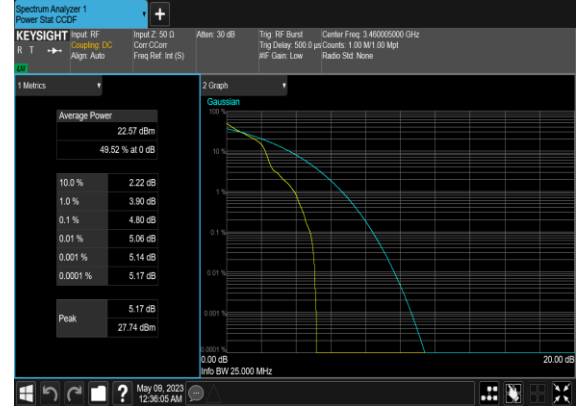
## Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	100@0	4.43	13	PASS
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@0	4.8	13	PASS
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	100@0	5.57	13	PASS
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	5.71	13	PASS
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	4.45	13	PASS
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	4.79	13	PASS
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	5.59	13	PASS
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	5.63	13	PASS
77	15	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	100@0	4.48	13	PASS
77	15	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	4.78	13	PASS
77	15	20	636000	3540.0	DFT-s-OFDM QPSK	100@0	5.65	13	PASS
77	15	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	5.44	13	PASS

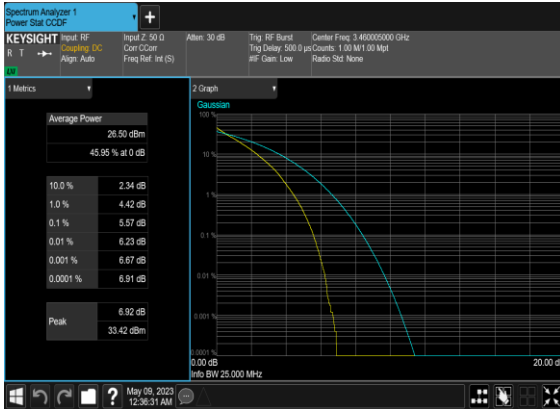
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Low\_CH



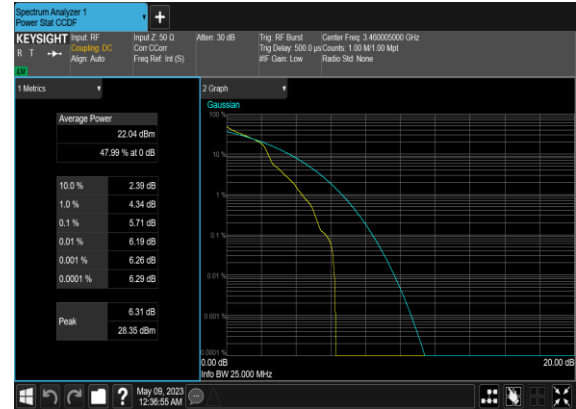
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Low\_CH



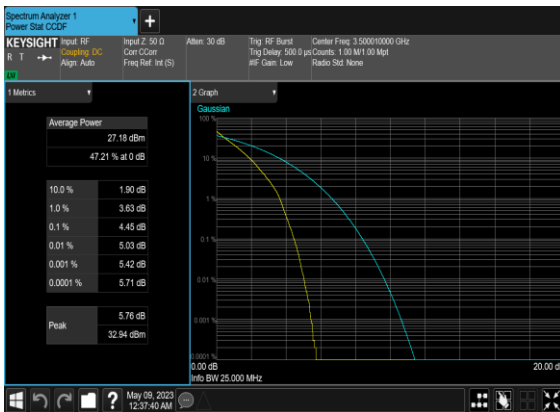
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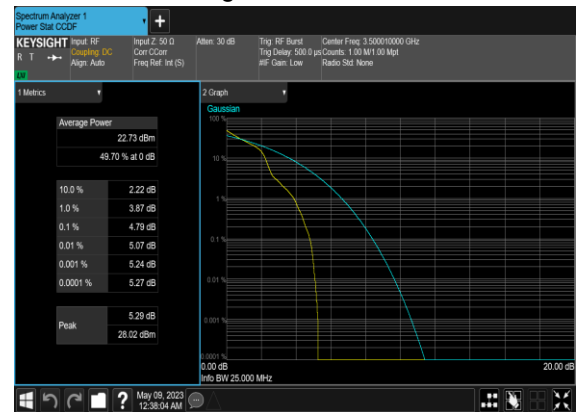
N77(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



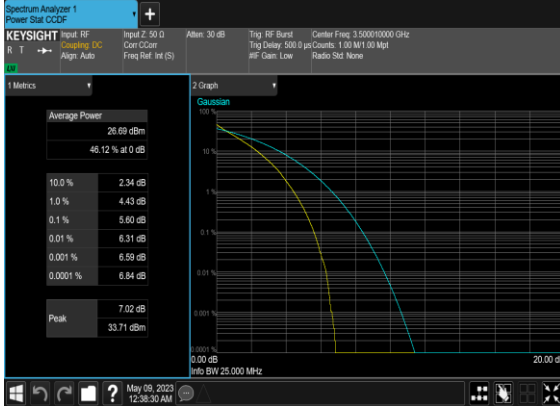
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



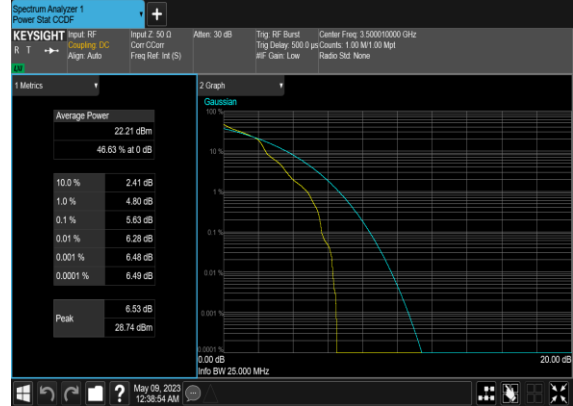
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Mid\_CH



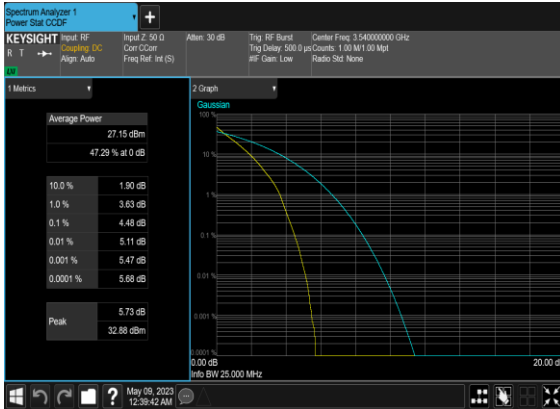
N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



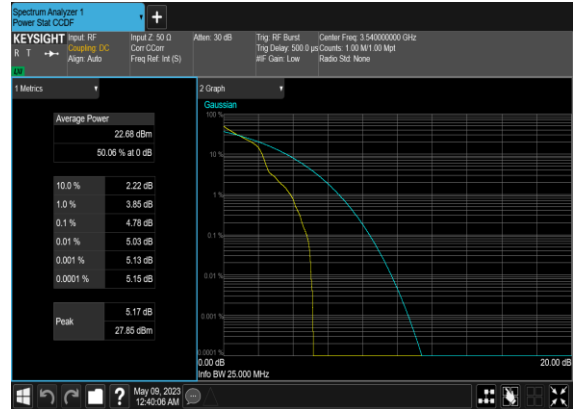
N77(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



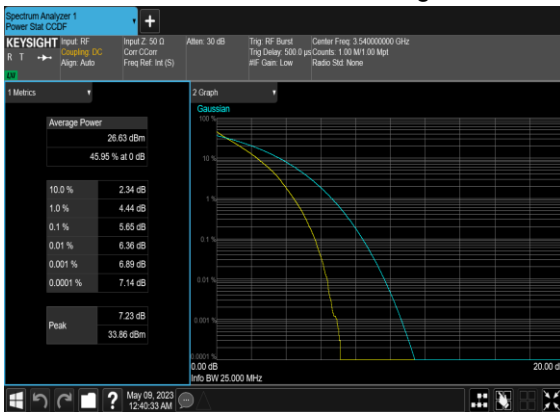
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_High\_CH



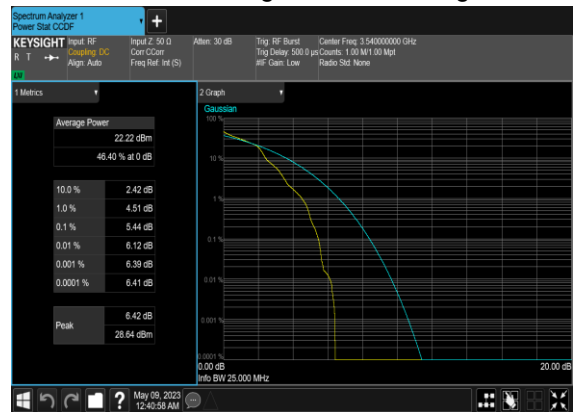
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_High\_CH



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



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

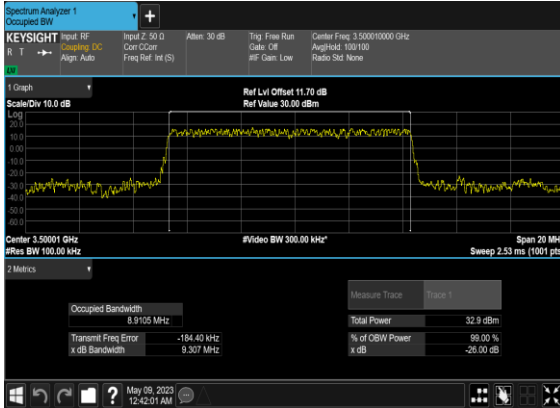


## Occupied Bandwidth

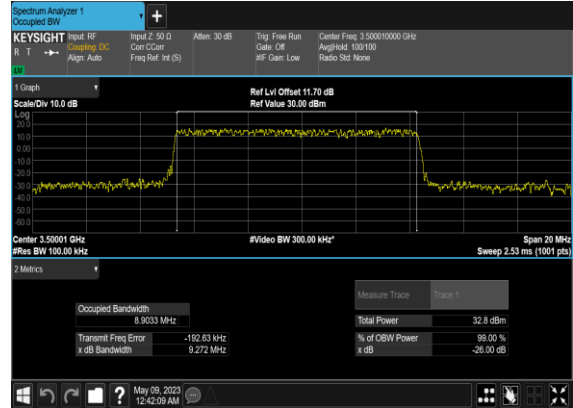
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	8.9105	9.307
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.9033	9.272
77	15	10	633334	3500.01	CP-OFDM QPSK	52@0	9.2774	9.648
77	15	10	633334	3500.01	CP-OFDM 16 QAM	52@0	9.2813	9.719
77	15	10	633334	3500.01	CP-OFDM 64 QAM	52@0	9.2461	9.655
77	15	10	633334	3500.01	CP-OFDM 256 QAM	52@0	9.2953	9.656
77	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	13.325	13.94
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	75@0	13.377	13.89
77	15	15	633334	3500.01	CP-OFDM QPSK	79@0	14.076	14.61
77	15	15	633334	3500.01	CP-OFDM 16 QAM	79@0	14.1	14.66
77	15	15	633334	3500.01	CP-OFDM 64 QAM	79@0	14.064	14.65
77	15	15	633334	3500.01	CP-OFDM 256 QAM	79@0	14.09	14.69
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	17.833	18.53
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	17.867	18.5
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	18.927	19.52
77	15	20	633334	3500.01	CP-OFDM 16 QAM	106@0	18.905	19.57
77	15	20	633334	3500.01	CP-OFDM 64 QAM	106@0	18.875	19.56
77	15	20	633334	3500.01	CP-OFDM 256 QAM	106@0	18.9	19.62
77	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	22.829	23.61
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	128@0	22.885	23.6
77	15	25	633334	3500.01	CP-OFDM QPSK	133@0	23.767	24.51
77	15	25	633334	3500.01	CP-OFDM 16 QAM	133@0	23.729	24.5
77	15	25	633334	3500.01	CP-OFDM 64 QAM	133@0	23.823	29.3
77	15	25	633334	3500.01	CP-OFDM 256 QAM	133@0	23.759	24.55

77	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	160@0	28.562	29.51
77	15	30	633334	3500.01	DFT-s-OFDM QPSK	160@0	28.481	29.48
77	15	30	633334	3500.01	CP-OFDM QPSK	160@0	28.486	29.52
77	15	30	633334	3500.01	CP-OFDM 16 QAM	160@0	28.534	29.48
77	15	30	633334	3500.01	CP-OFDM 64 QAM	160@0	28.508	29.5
77	15	30	633334	3500.01	CP-OFDM 256 QAM	160@0	28.554	29.57
77	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	38.614	39.93
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	216@0	38.5	39.84
77	15	40	633334	3500.01	CP-OFDM QPSK	216@0	38.41	39.8
77	15	40	633334	3500.01	CP-OFDM 16 QAM	216@0	38.48	39.82
77	15	40	633334	3500.01	CP-OFDM 64 QAM	216@0	38.571	39.78
77	15	40	633334	3500.01	CP-OFDM 256 QAM	216@0	38.528	39.82
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	48.174	49.73
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	270@0	48.099	49.76
77	15	50	633334	3500.01	CP-OFDM QPSK	270@0	48.121	49.7
77	15	50	633334	3500.01	CP-OFDM 16 QAM	270@0	48.23	49.84
77	15	50	633334	3500.01	CP-OFDM 64 QAM	270@0	48.2	49.71
77	15	50	633334	3500.01	CP-OFDM 256 QAM	270@0	48.237	49.76

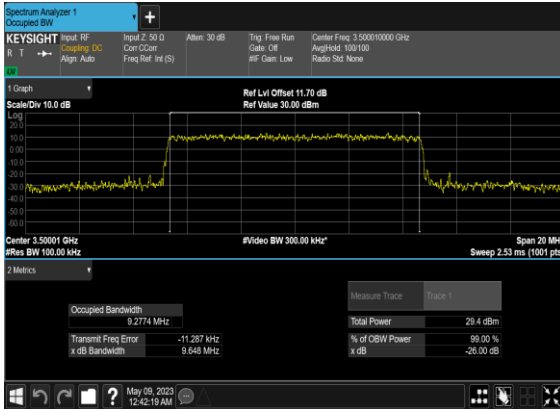
N77(10M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



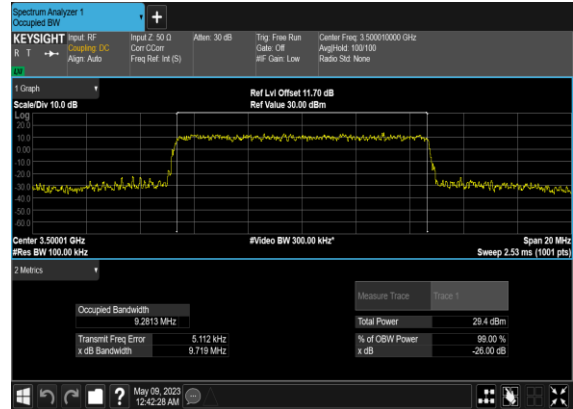
N77(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



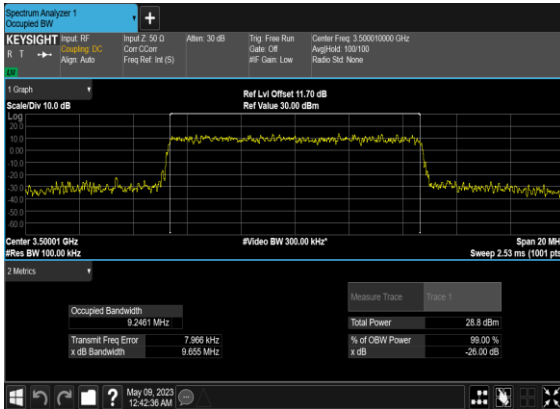
N77(10M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



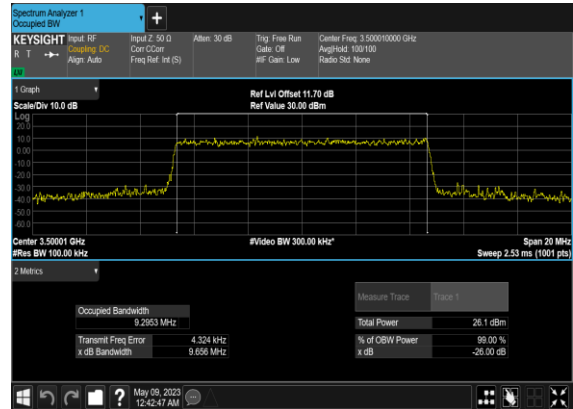
N77(10M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N77(10M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

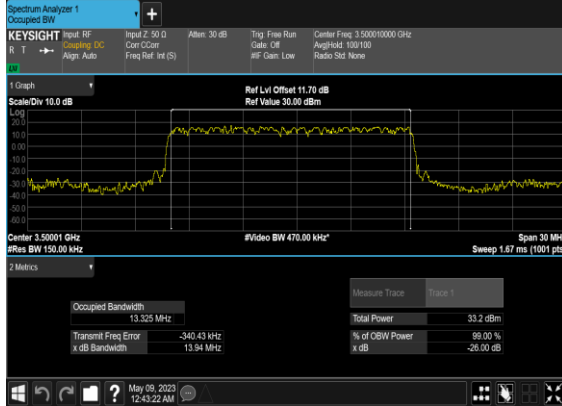


N77(10M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

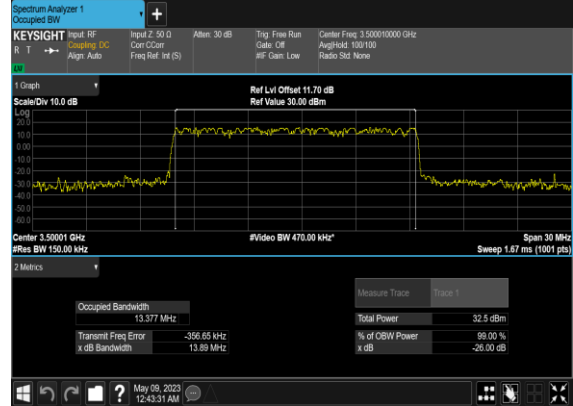




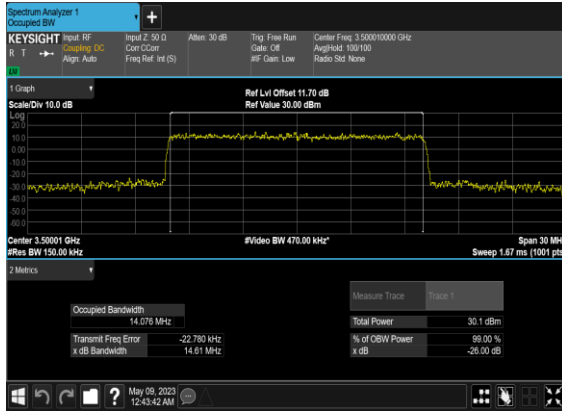
### N77(15M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



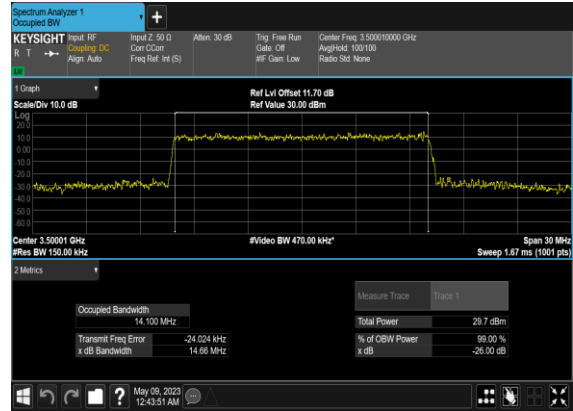
### N77(15M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



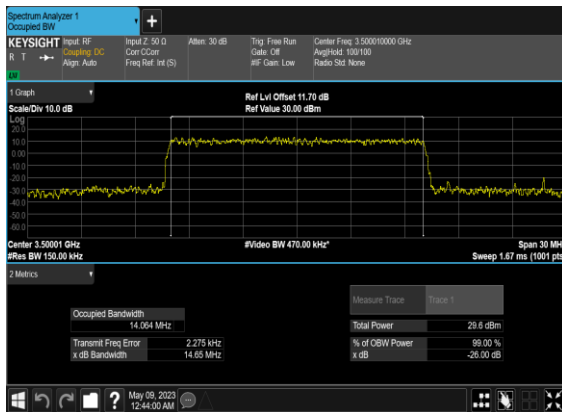
### N77(15M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



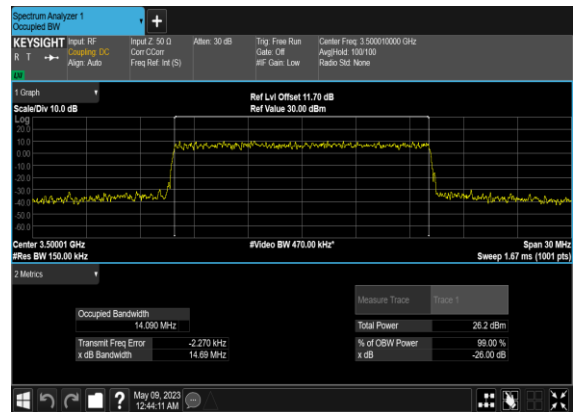
### N77(15M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



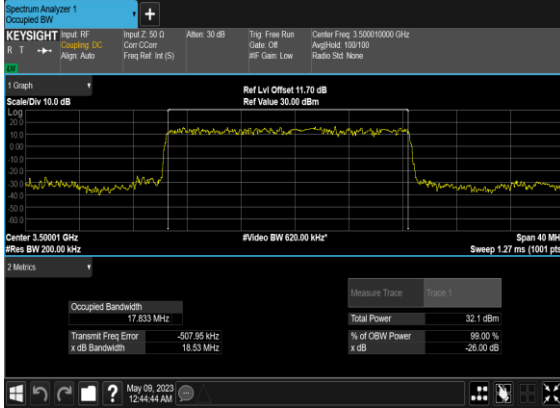
### N77(15M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



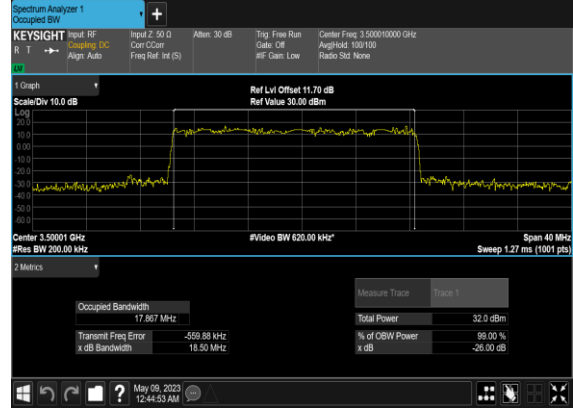
### N77(15M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



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



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



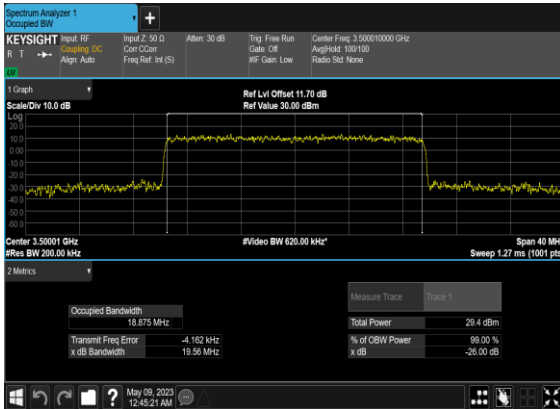
N77(20M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



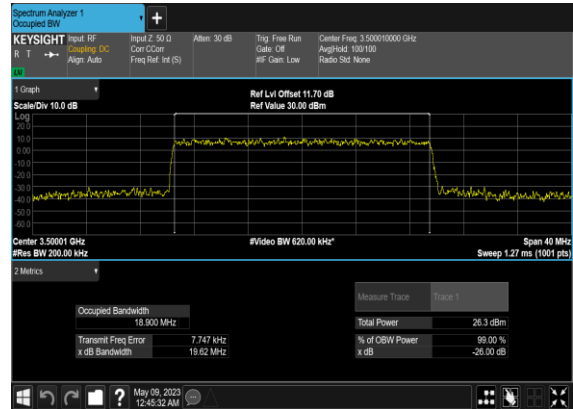
N77(20M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



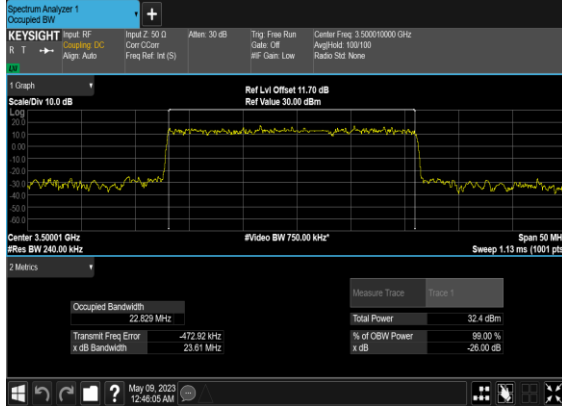
N77(20M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



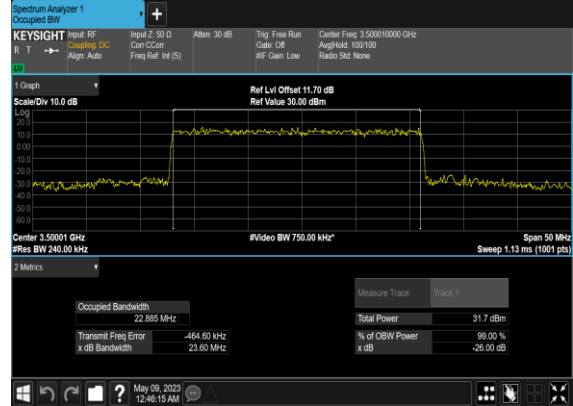
N77(20M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



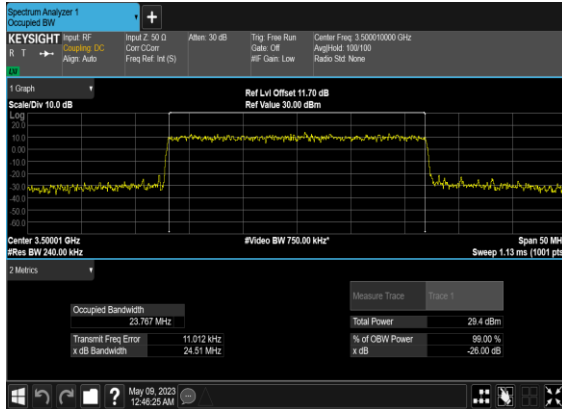
### N77(25M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



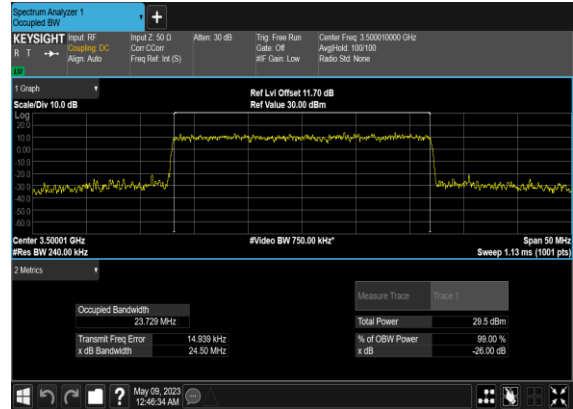
### N77(25M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



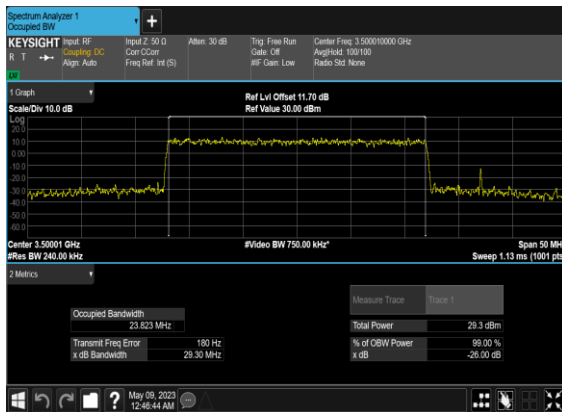
### N77(25M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



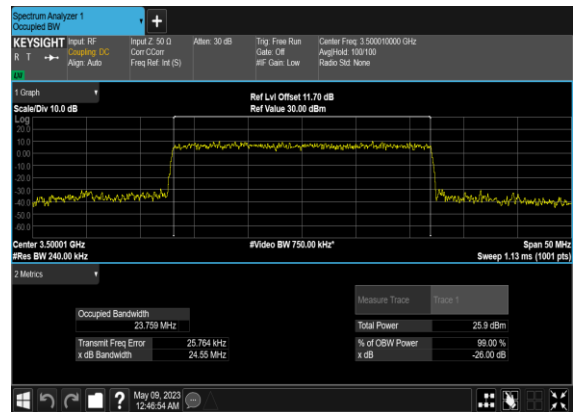
### N77(25M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### N77(25M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



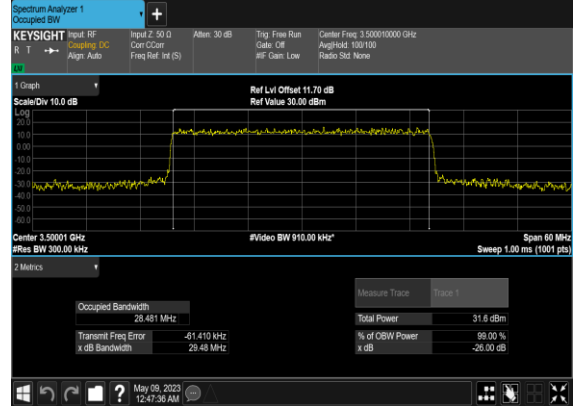
### N77(25M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



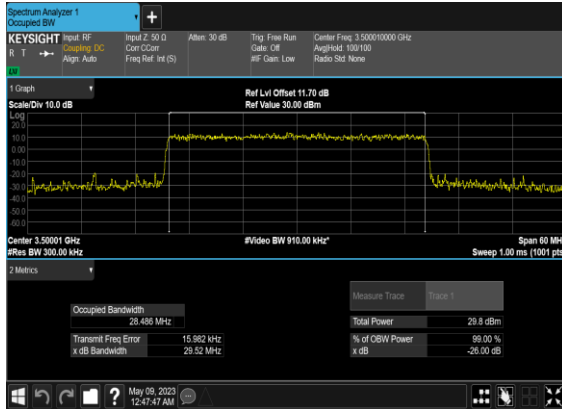
N77(30M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



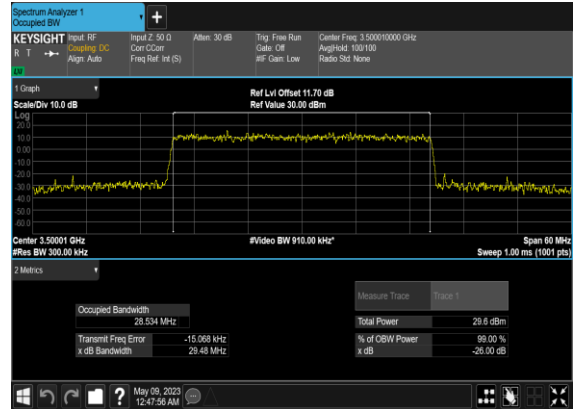
N77(30M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



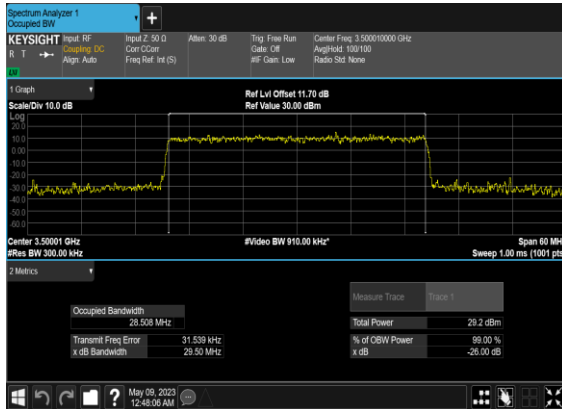
N77(30M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



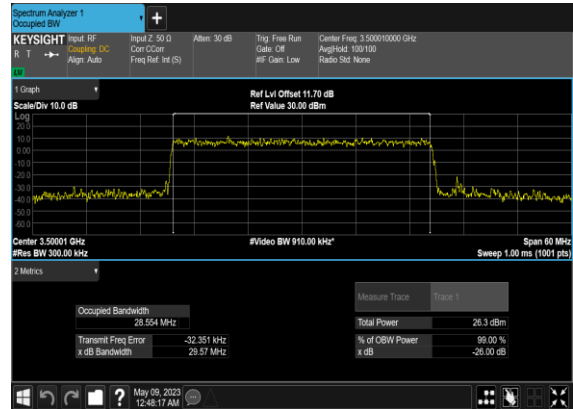
N77(30M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



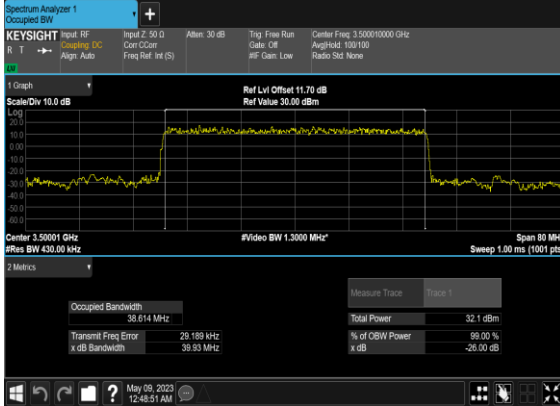
N77(30M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



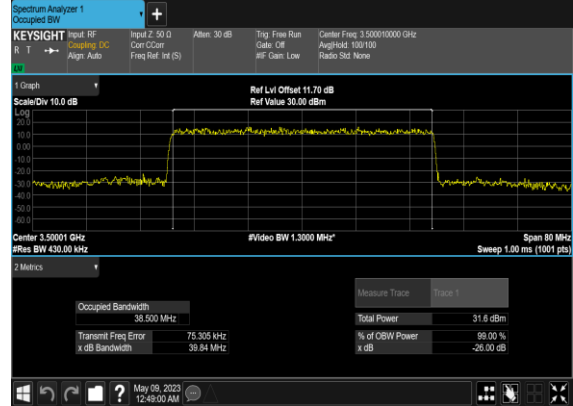
N77(30M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



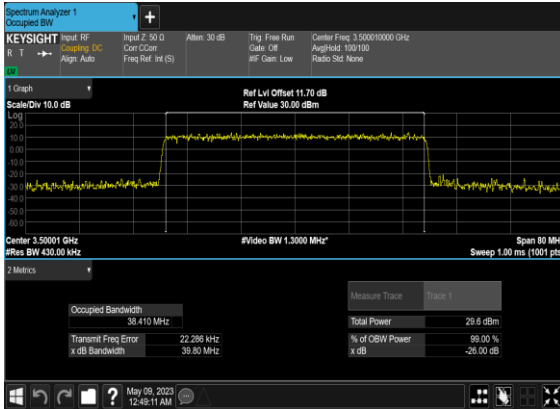
N77(40M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



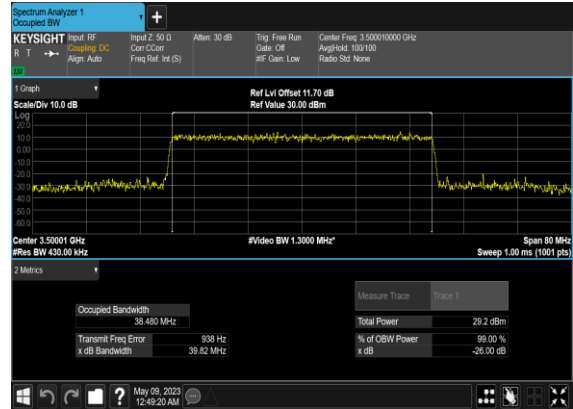
N77(40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



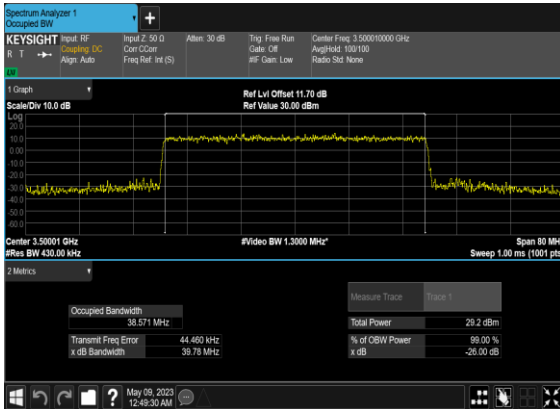
N77(40M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



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

