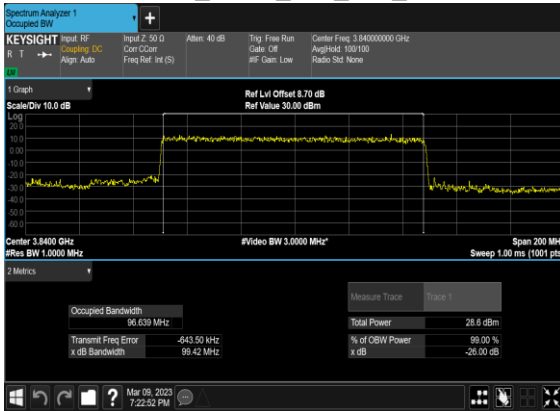


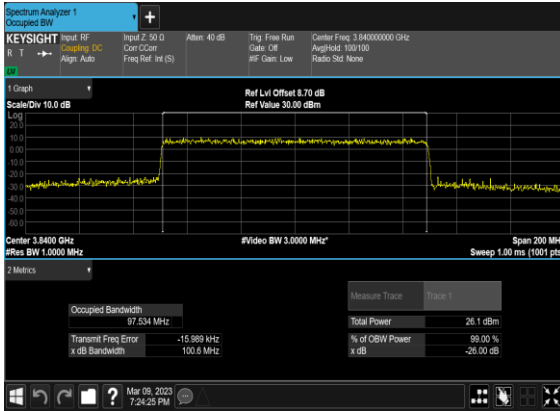
N77(100M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



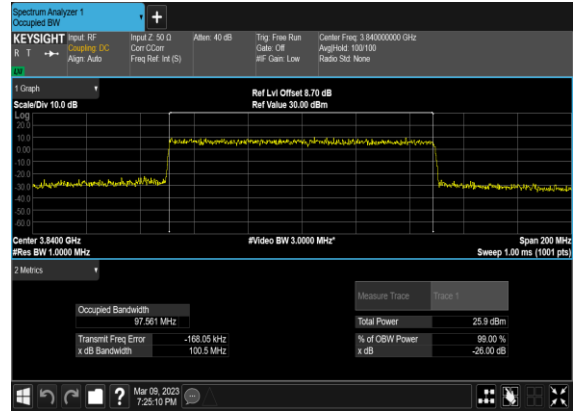
N77(100M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



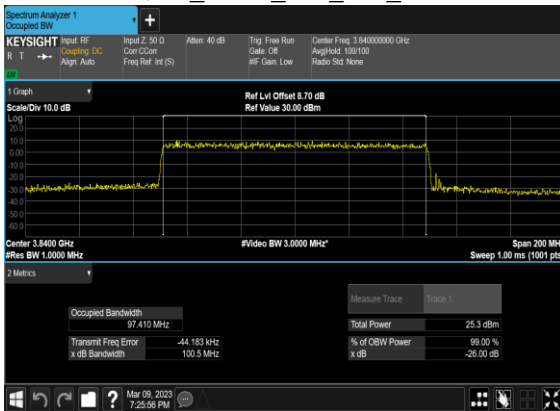
N77(100M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



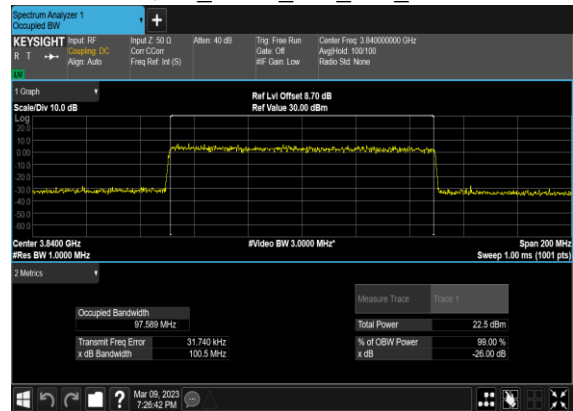
N77(100M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



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	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	---

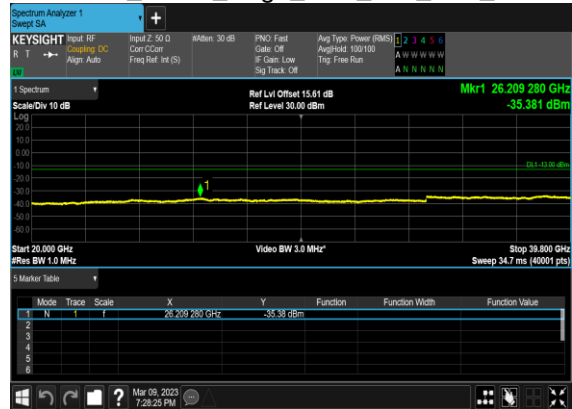
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---

77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	100	662000	3930.0	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



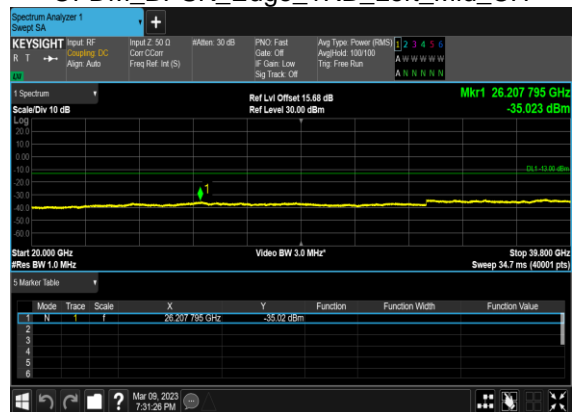
N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



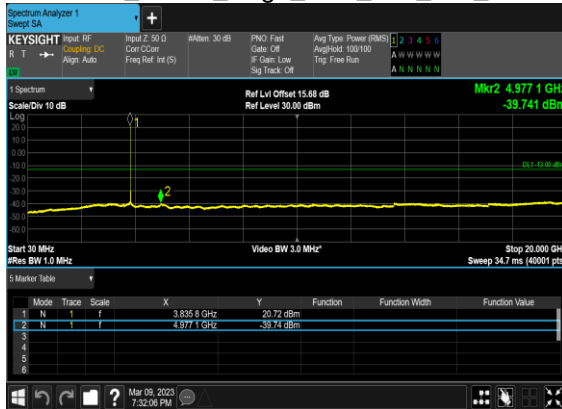
N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



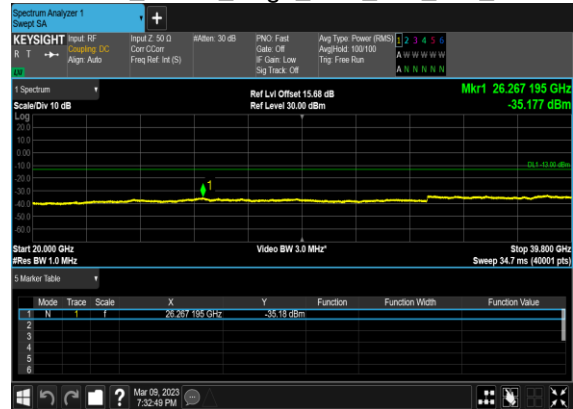
N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



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



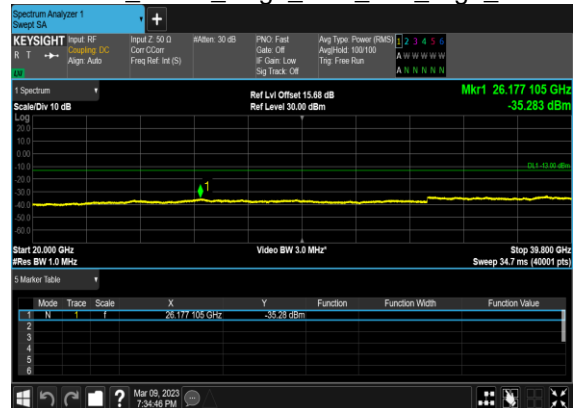
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



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



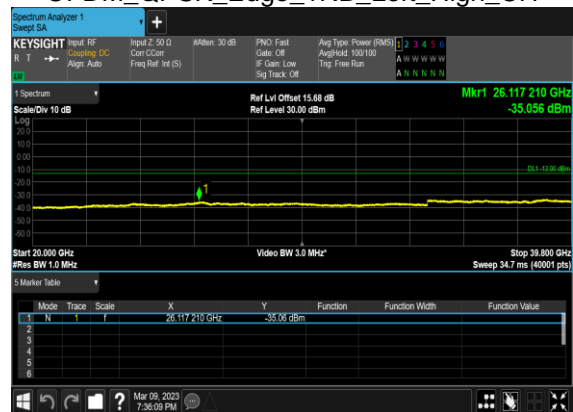
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



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



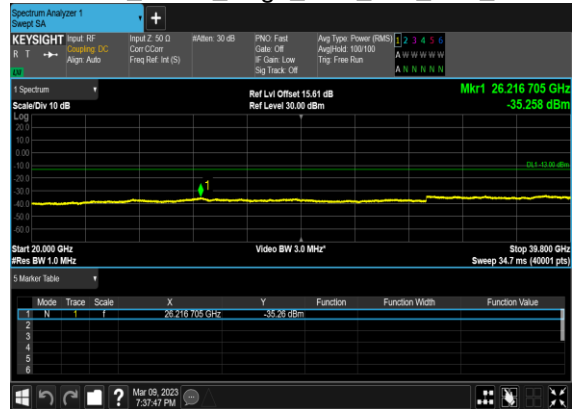
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



### N77(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



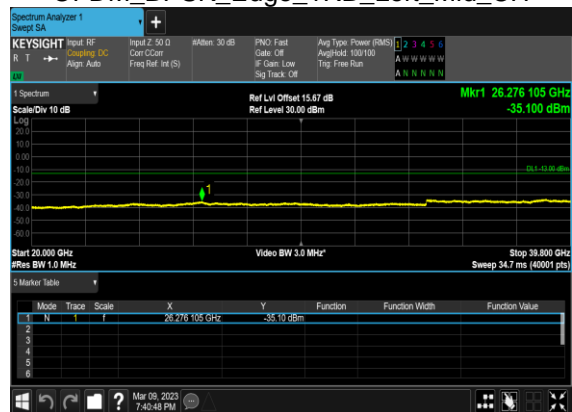
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



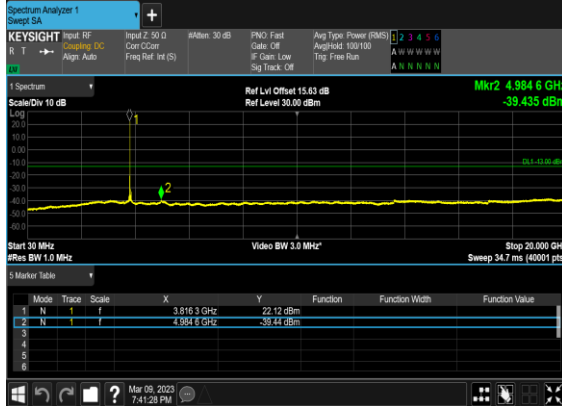
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



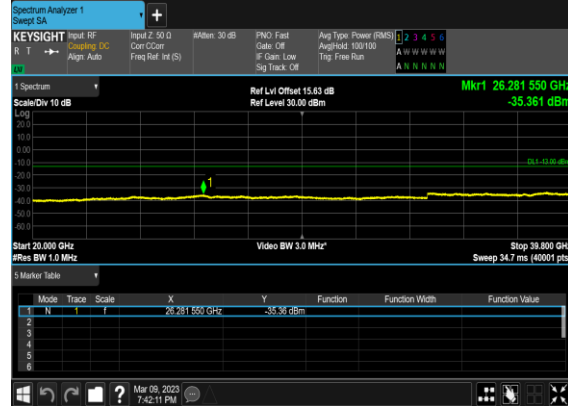
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



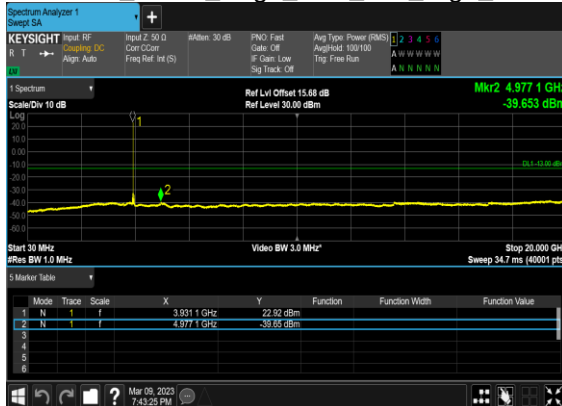
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



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



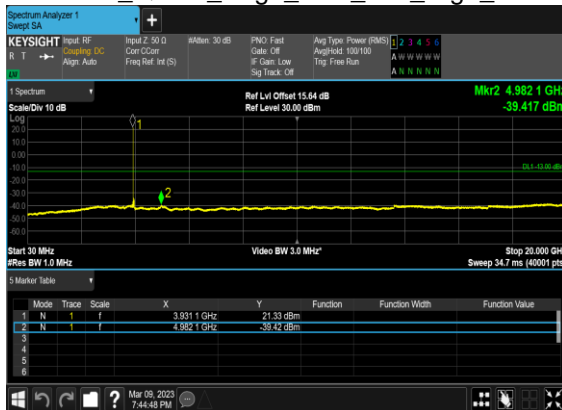
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



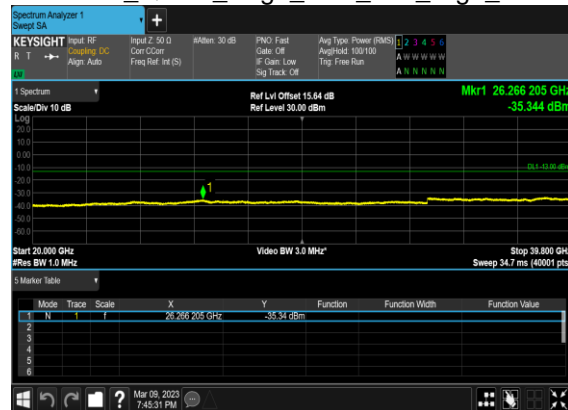
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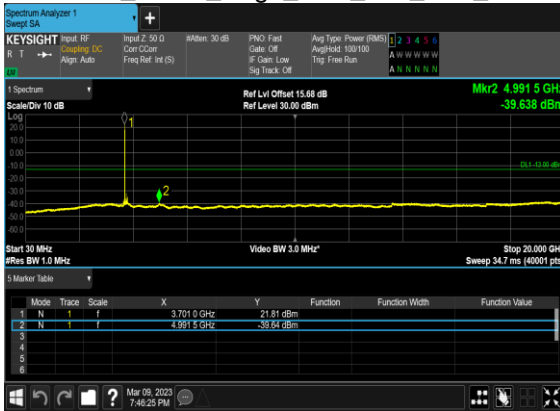
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



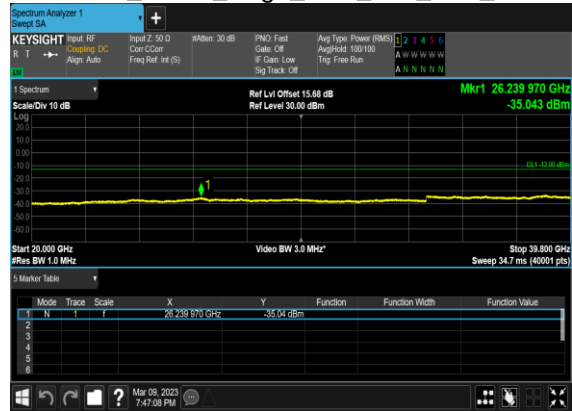
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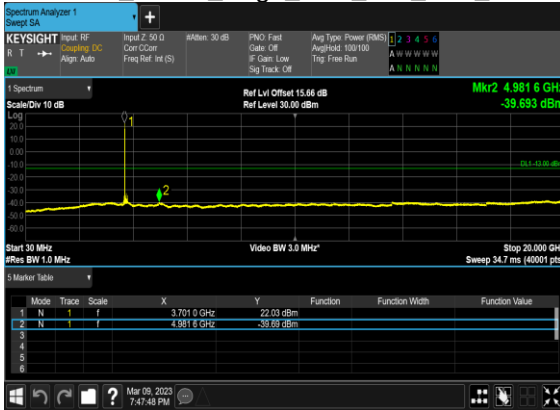
N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



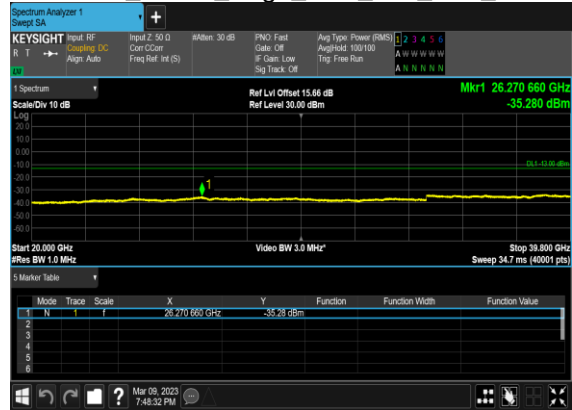
N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



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



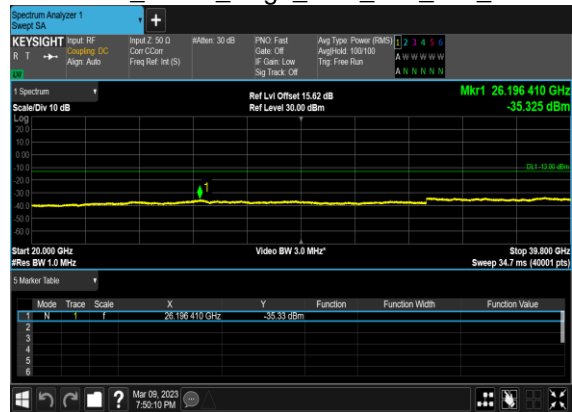
N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



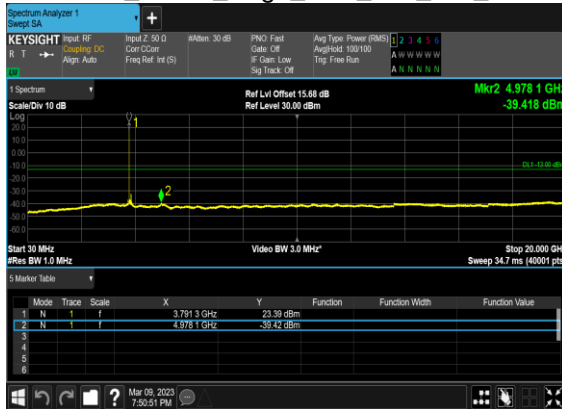
N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



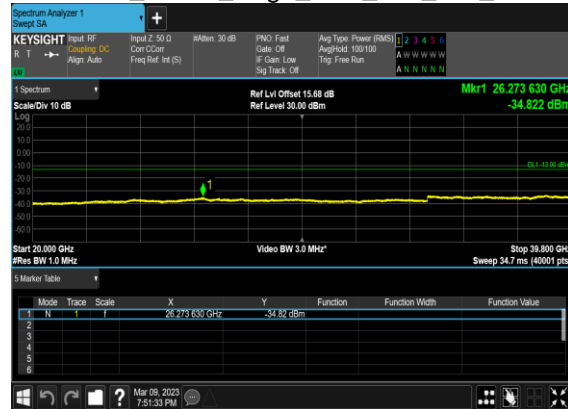
N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



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



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



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



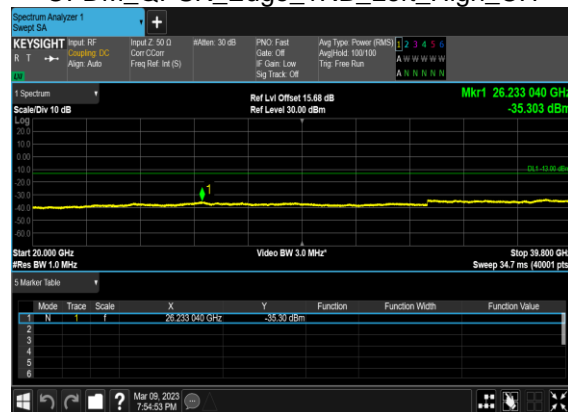
### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



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



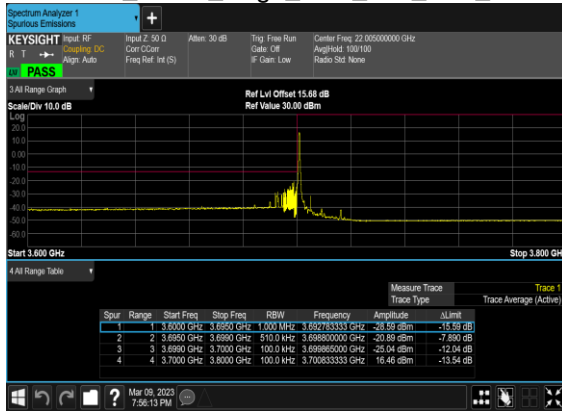
### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



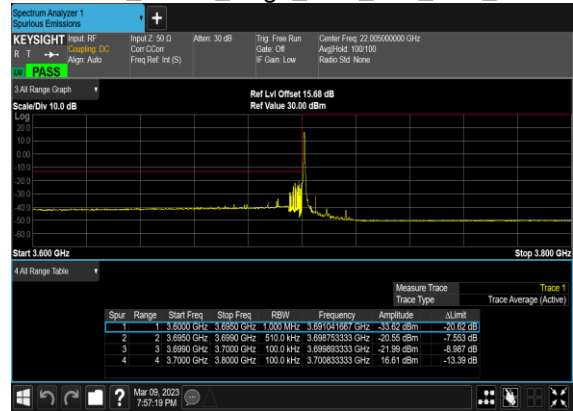
## Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

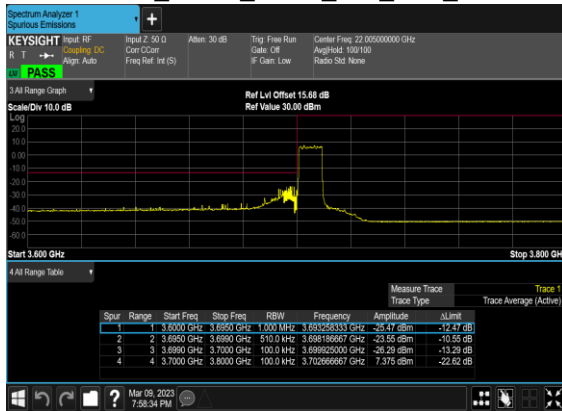
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



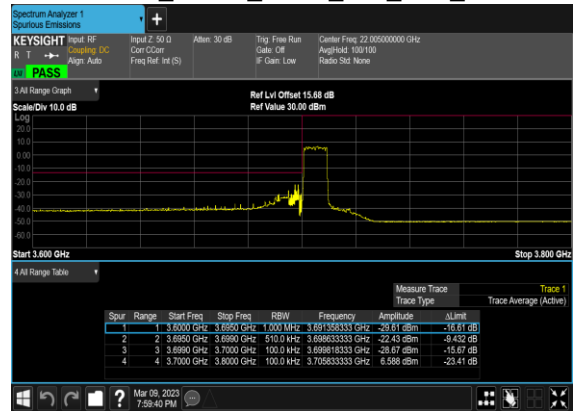
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



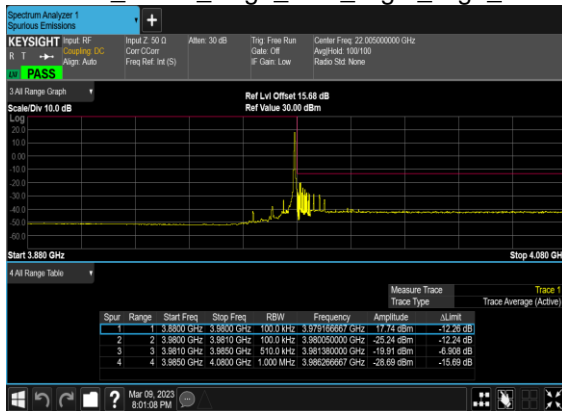
### N77(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



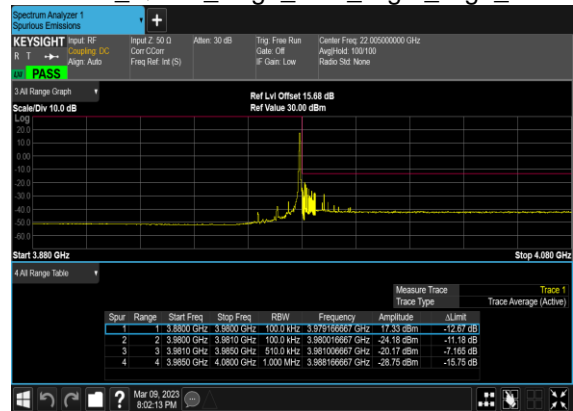
### N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



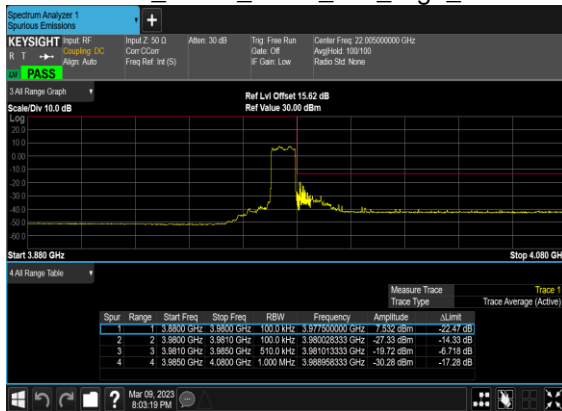
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



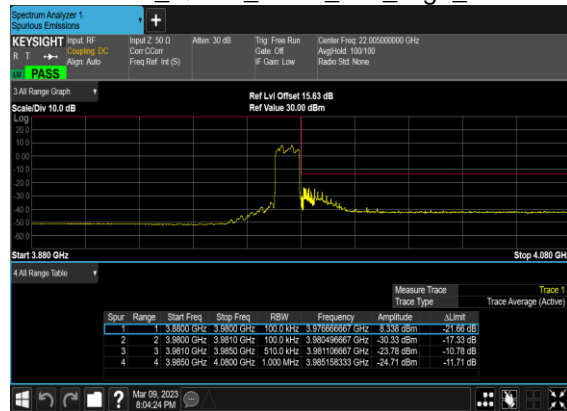
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



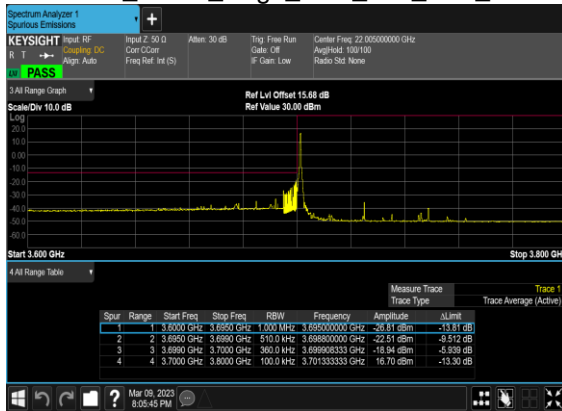
### N77(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



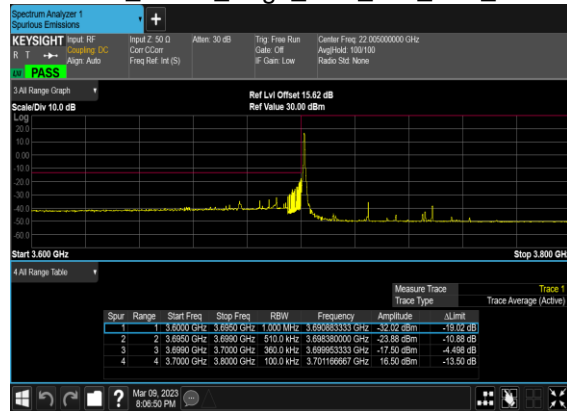
### N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



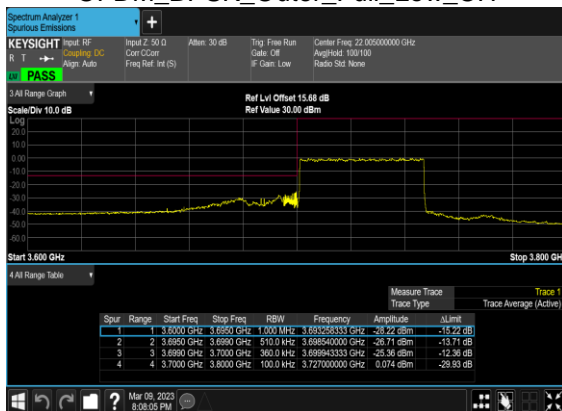
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



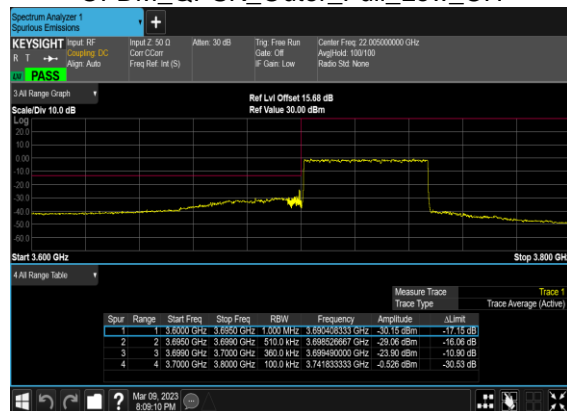
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



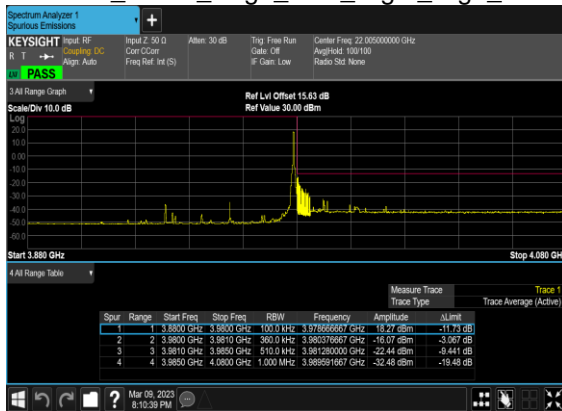
### N77(50M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



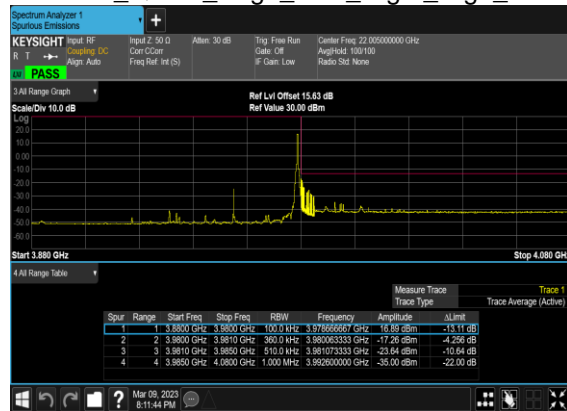
### N77(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



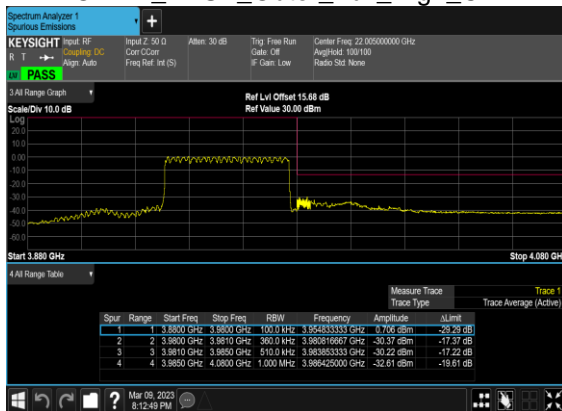
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



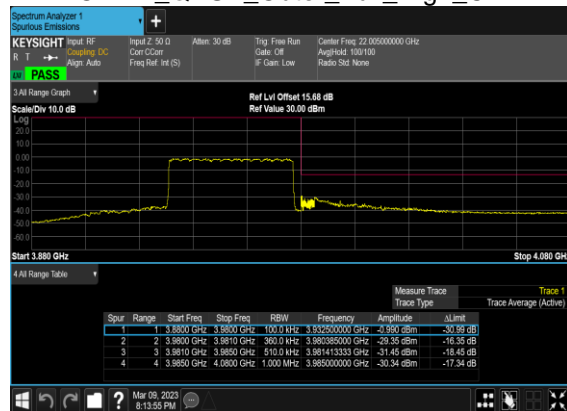
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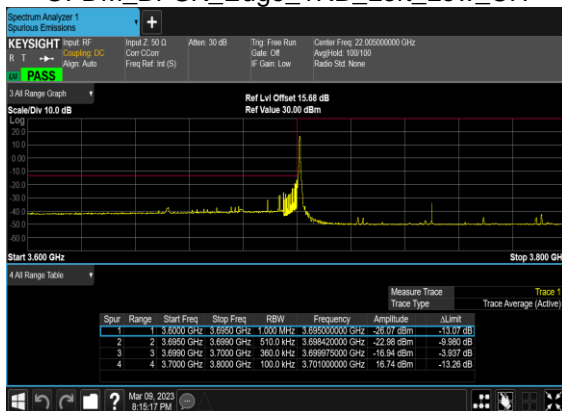
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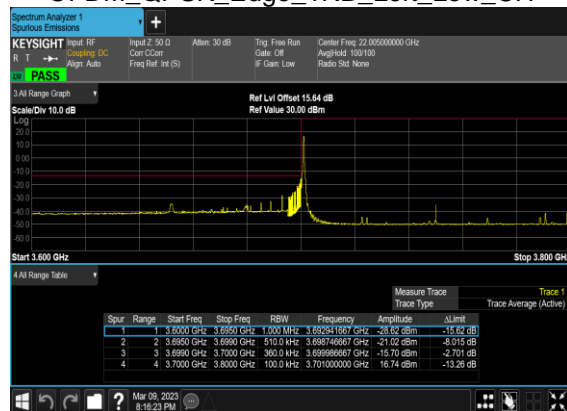
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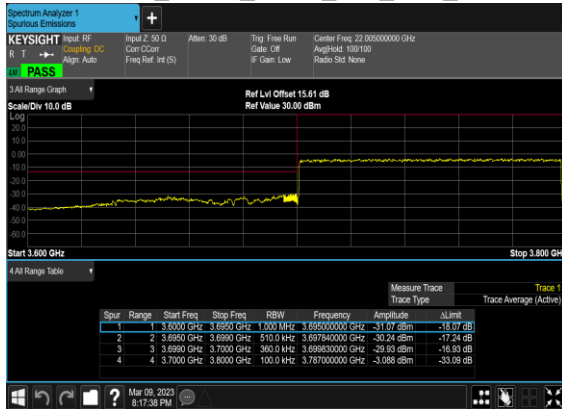
### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



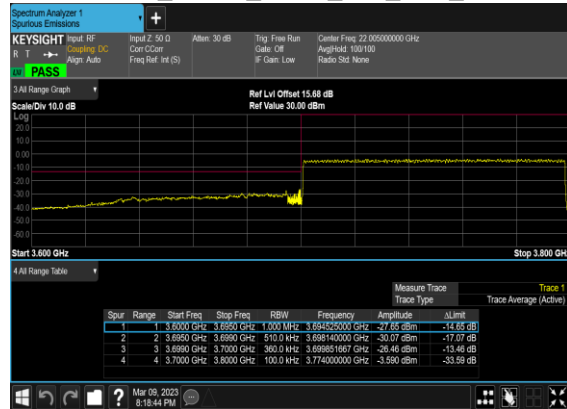
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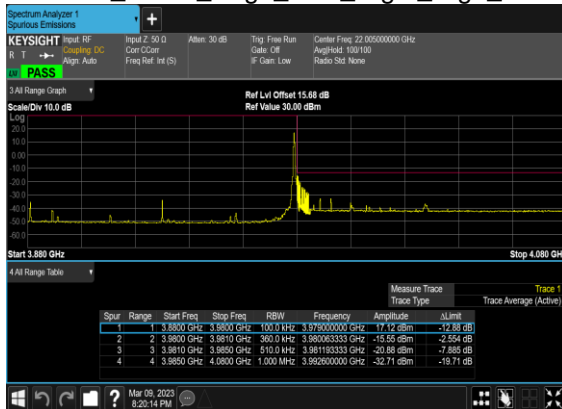
N77(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



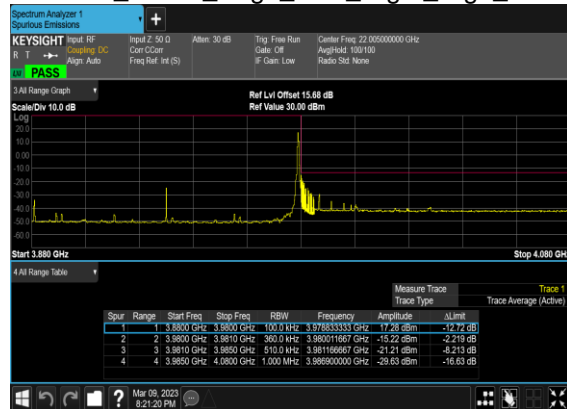
N77(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



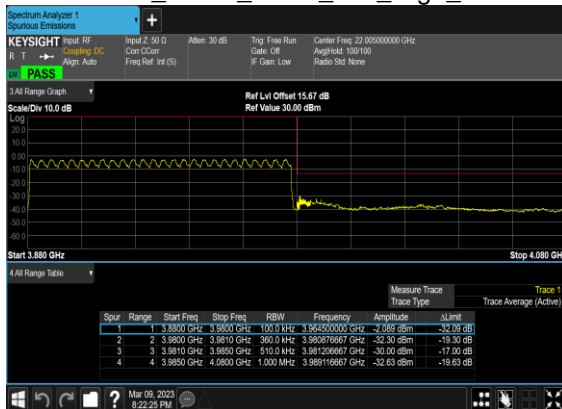
N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



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



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



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



# FR1 N77 UL MIMO-SCS 15K(MIMO\_ANT2+4)

## Transmitter Conducted Output Power and EIRP, (G<sub>T</sub> - L<sub>C</sub>)=-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	15	10	647000	3705	DFT-s-OFDM QPSK	1@1	25.67	25.15	28.43	22.44	0.1754
77	15	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	24.67	24.19	27.45	21.46	0.1400
77	15	10	656000	3840	DFT-s-OFDM QPSK	1@1	25.06	24.82	27.95	21.96	0.1570
77	15	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.17	23.89	27.04	21.05	0.1274
77	15	10	665000	3975	DFT-s-OFDM QPSK	1@1	25.25	25.21	28.24	22.25	0.1679
77	15	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	24.4	24.34	27.38	21.39	0.1377
77	15	15	647167	3707.505	DFT-s-OFDM QPSK	1@1	25.64	25.15	28.41	22.42	0.1746
77	15	15	647167	3707.505	DFT-s-OFDM 16 QAM	1@1	24.67	24.11	27.41	21.42	0.1387
77	15	15	656000	3840	DFT-s-OFDM QPSK	1@1	25.04	24.94	28.00	22.01	0.1589
77	15	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.1	23.98	27.05	21.06	0.1276
77	15	15	664833	3972.495	DFT-s-OFDM QPSK	1@1	25.48	25.23	28.37	22.38	0.1730
77	15	15	664833	3972.495	DFT-s-OFDM 16 QAM	1@1	24.59	24.11	27.37	21.38	0.1374
77	15	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.62	25.09	28.37	22.38	0.1730
77	15	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.61	24.22	27.43	21.44	0.1393
77	15	20	656000	3840	DFT-s-OFDM QPSK	1@1	25.03	24.88	27.97	21.98	0.1578
77	15	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.06	24	27.04	21.05	0.1274
77	15	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	25.87	25.29	28.60	22.59	0.1816
77	15	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	24.8	24.2	27.52	21.53	0.1422
77	15	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	25.58	25.02	28.32	22.33	0.1710
77	15	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	24.65	24.1	27.39	21.40	0.1380
77	15	25	656000	3840	DFT-s-OFDM QPSK	1@1	24.94	24.82	27.89	21.90	0.1549
77	15	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.99	23.93	26.97	20.98	0.1253
77	15	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	25.53	25.25	28.40	22.41	0.1742
77	15	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	24.95	24.09	27.55	21.56	0.1432
77	15	30	647667	3715.005	DFT-s-OFDM QPSK	1@1	25.63	25.1	28.38	22.39	0.1734
77	15	30	647667	3715.005	DFT-s-OFDM 16 QAM	1@1	24.74	24.18	27.48	21.49	0.1409
77	15	30	656000	3840	DFT-s-OFDM QPSK	1@1	24.99	24.86	27.94	21.95	0.1567
77	15	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.01	23.87	26.95	20.96	0.1247
77	15	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	25.83	25.22	28.55	22.56	0.1803

77	15	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	24.86	23.97	27.45	21.46	0.1400
77	15	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.6	25.05	28.34	22.35	0.1718
77	15	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.76	24.11	27.46	21.47	0.1403
77	15	40	656000	3840	DFT-s-OFDM QPSK	1@1	24.93	24.85	27.90	21.91	0.1552
77	15	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.86	23.88	26.88	20.89	0.1227
77	15	40	664000	3960	DFT-s-OFDM QPSK	1@1	25.71	25.1	28.43	22.44	0.1754
77	15	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	24.81	24.06	27.46	21.47	0.1403
77	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	135@67	25.4	25.54	28.48	22.49	0.1774
77	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	25.73	25.12	28.45	22.46	0.1762
77	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@268	24.97	25.51	28.26	22.27	0.1687
77	15	50	648334	3725.01	DFT-s-OFDM QPSK	135@67	25.42	25.43	28.44	22.45	0.1758
77	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.62	25.08	28.37	22.38	0.1730
77	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@268	24.98	25.65	28.34	22.35	0.1718
77	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	135@67	24.47	24.44	27.47	21.48	0.1406
77	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.66	24.05	27.38	21.39	0.1377
77	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@268	23.81	24.59	27.23	21.24	0.1330
77	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	135@67	22.47	22.48	25.49	19.50	0.0891
77	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	23.04	22.46	25.77	19.78	0.0951
77	15	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@268	22.16	22.84	25.52	19.53	0.0897
77	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	135@67	19.33	19.53	22.44	16.45	0.0442
77	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	19.74	18.93	22.36	16.37	0.0434
77	15	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@268	18.88	19.48	22.20	16.21	0.0418
77	15	50	648334	3725.01	CP-OFDM QPSK	135@67	23.87	23.95	26.92	20.93	0.1239
77	15	50	648334	3725.01	CP-OFDM QPSK	1@1	24.2	23.63	26.93	20.94	0.1242
77	15	50	648334	3725.01	CP-OFDM QPSK	1@268	23.39	24.06	26.75	20.76	0.1191
77	15	50	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	25.26	25.03	28.16	22.17	0.1648
77	15	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	24.88	24.94	27.92	21.93	0.1560
77	15	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@268	25.23	24.68	27.97	21.98	0.1578
77	15	50	656000	3840	DFT-s-OFDM QPSK	135@67	25.3	24.98	28.15	22.16	0.1644
77	15	50	656000	3840	DFT-s-OFDM QPSK	1@1	25.01	25.09	28.06	22.07	0.1611
77	15	50	656000	3840	DFT-s-OFDM QPSK	1@268	25.34	24.84	28.11	22.12	0.1629
77	15	50	656000	3840	DFT-s-OFDM 16 QAM	135@67	24.28	24.01	27.16	21.17	0.1309
77	15	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.95	24.03	27.00	21.01	0.1262
77	15	50	656000	3840	DFT-s-OFDM 16 QAM	1@268	24.26	23.62	26.96	20.97	0.1250
77	15	50	656000	3840	DFT-s-OFDM 64 QAM	135@67	22.29	22	25.16	19.17	0.0826

77	15	50	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.04	22.28	25.17	19.18	0.0828
77	15	50	656000	3840	DFT-s-OFDM 64 QAM	1@268	22.48	21.92	25.22	19.23	0.0838
77	15	50	656000	3840	DFT-s-OFDM 256 QAM	135@67	19.23	18.95	22.10	16.11	0.0408
77	15	50	656000	3840	DFT-s-OFDM 256 QAM	1@1	18.73	18.9	21.83	15.84	0.0384
77	15	50	656000	3840	DFT-s-OFDM 256 QAM	1@268	19.23	18.68	21.97	15.98	0.0396
77	15	50	656000	3840	CP-OFDM QPSK	135@67	23.12	23.11	26.13	20.14	0.1033
77	15	50	656000	3840	CP-OFDM QPSK	1@1	23.28	23.51	26.41	20.42	0.1102
77	15	50	656000	3840	CP-OFDM QPSK	1@268	23.78	23.27	26.54	20.55	0.1135
77	15	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	135@67	25.9	25.19	28.57	22.61	0.1824
77	15	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@1	25.14	24.78	27.97	21.98	0.1578
77	15	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@268	24.86	25.12	28.00	22.01	0.1589
77	15	50	663666	3954.99	DFT-s-OFDM QPSK	135@67	25.85	25.18	28.54	22.55	0.1799
77	15	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	25.24	24.81	28.04	22.05	0.1603
77	15	50	663666	3954.99	DFT-s-OFDM QPSK	1@268	24.89	25.21	28.06	22.07	0.1611
77	15	50	663666	3954.99	DFT-s-OFDM 16 QAM	135@67	24.83	24.22	27.55	21.56	0.1432
77	15	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	24.29	23.88	27.10	21.11	0.1291
77	15	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@268	23.87	24.18	27.04	21.05	0.1274
77	15	50	663666	3954.99	DFT-s-OFDM 64 QAM	135@67	22.85	22.28	25.58	19.59	0.0910
77	15	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@1	22.54	22.24	25.40	19.41	0.0873
77	15	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@268	22.26	22.56	25.42	19.43	0.0877
77	15	50	663666	3954.99	DFT-s-OFDM 256 QAM	135@67	19.82	19.17	22.52	16.53	0.0450
77	15	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@1	19.14	18.86	22.01	16.02	0.0400
77	15	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@268	18.84	19.18	22.02	16.03	0.0401
77	15	50	663666	3954.99	CP-OFDM QPSK	135@67	24.35	23.72	27.06	21.07	0.1279
77	15	50	663666	3954.99	CP-OFDM QPSK	1@1	23.8	23.45	26.64	20.65	0.1161
77	15	50	663666	3954.99	CP-OFDM QPSK	1@268	23.39	23.65	26.53	20.54	0.1132

# FR1 N77 UL MIMO-SCS 15K(MIMO\_ANT2)

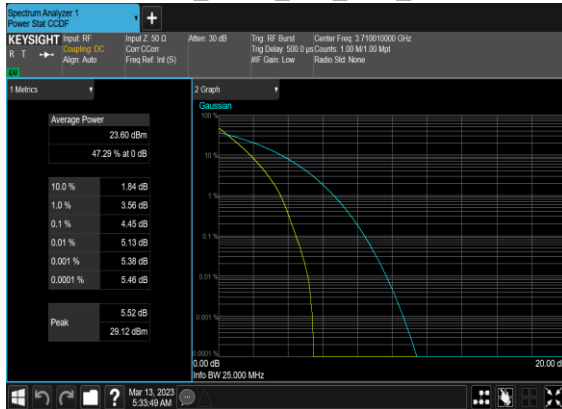
## Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0069	PASS	NV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0021	PASS	LV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0062	PASS	HV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0049	PASS	-30°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0032	PASS	-20°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0050	PASS	-10°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0051	PASS	0°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0056	PASS	10°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0069	PASS	20°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0026	PASS	30°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0052	PASS	40°C
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	0.0029	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	647334	3710.01	DFT-s-OFDM PI/2 BPSK	100@0	4.45	13	PASS
77	15	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	5.42	13	PASS
77	15	20	647334	3710.01	DFT-s-OFDM QPSK	100@0	5.84	13	PASS
77	15	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	6.79	13	PASS
77	15	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	4.2	13	PASS
77	15	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	5.66	13	PASS
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	5.78	13	PASS
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	6.39	13	PASS
77	15	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	100@0	4.32	13	PASS
77	15	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@0	5.58	13	PASS
77	15	20	664666	3969.99	DFT-s-OFDM QPSK	100@0	5.65	13	PASS
77	15	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	5.9	13	PASS

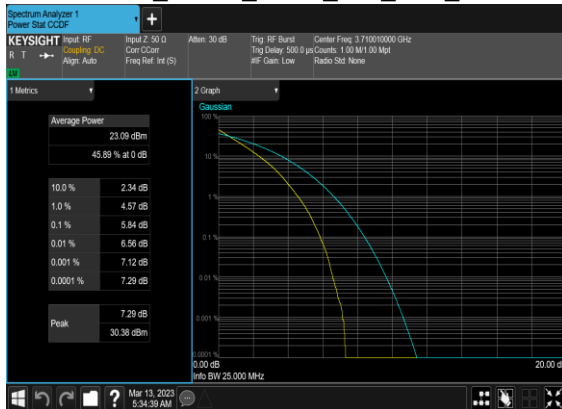
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Low\_CH



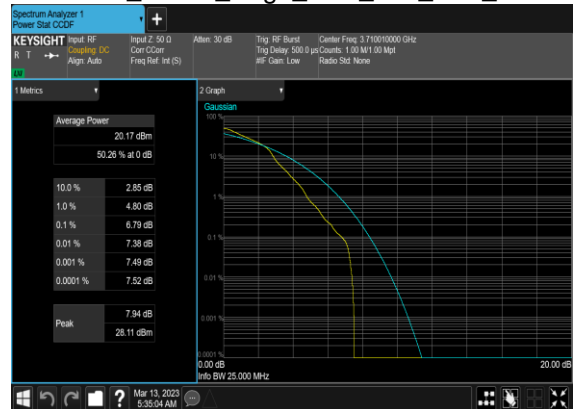
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Low\_CH



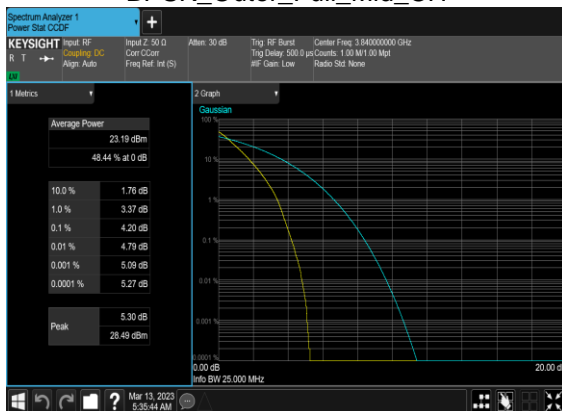
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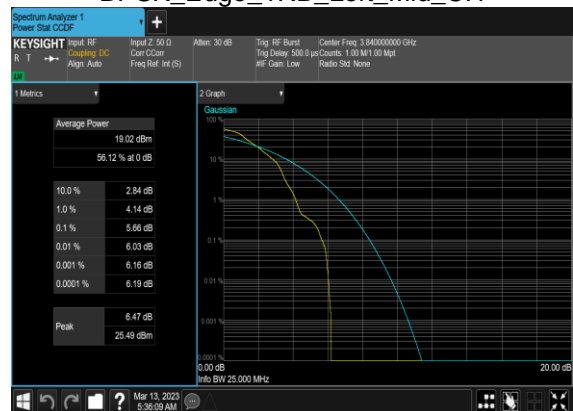
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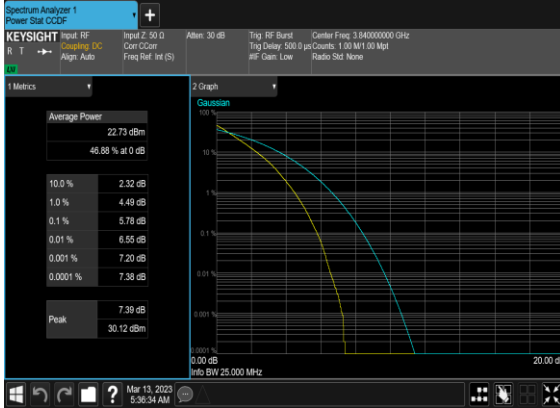
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



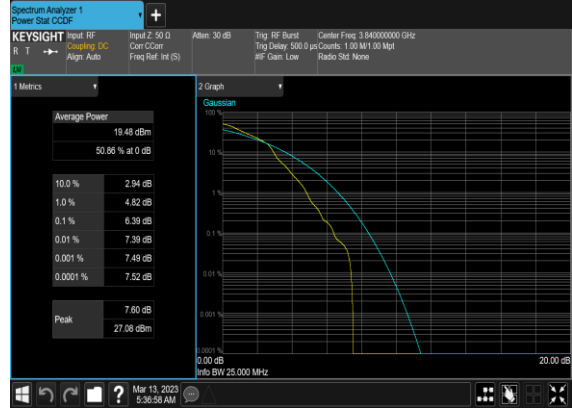
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Mid\_CH



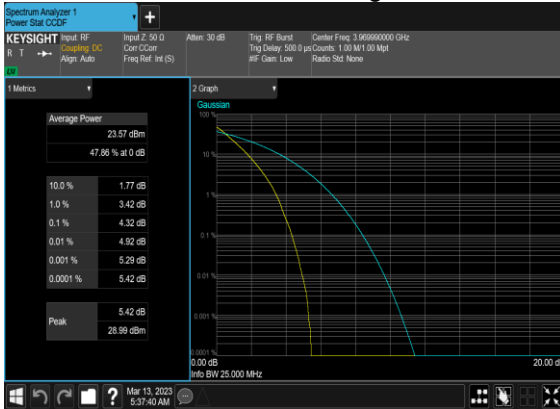
N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



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



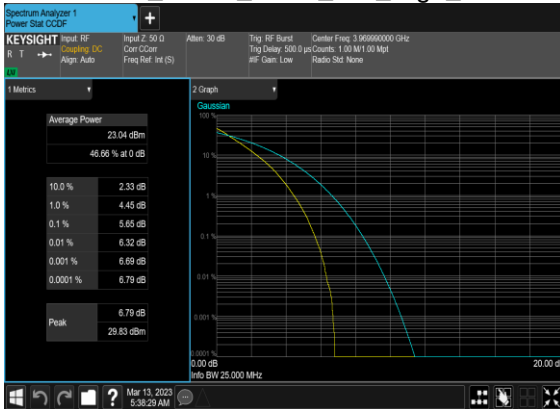
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_High\_CH



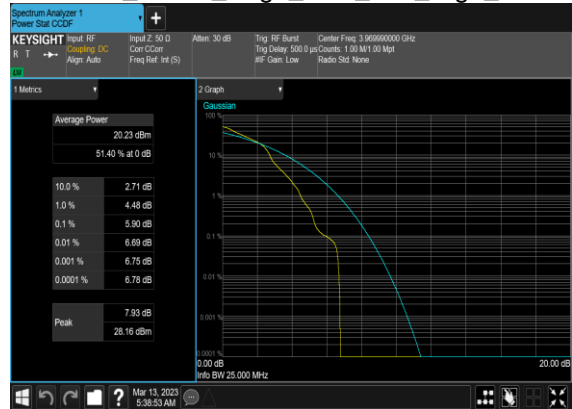
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_High\_CH



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



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

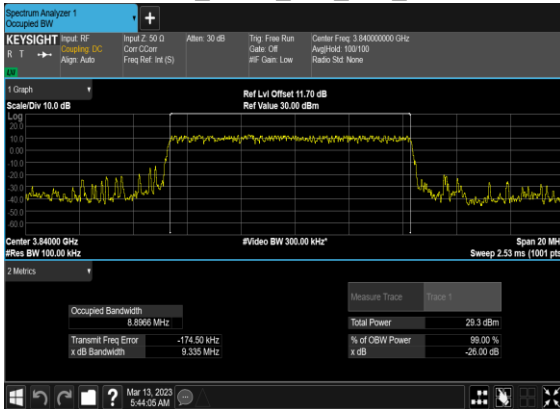


## Occupied Bandwidth

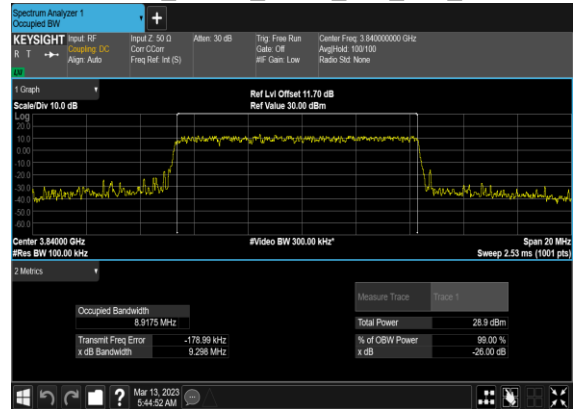
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	15	10	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	8.8966	9.335
77	15	10	656000	3840.0	DFT-s-OFDM QPSK	50@0	8.9175	9.298
77	15	10	656000	3840.0	CP-OFDM QPSK	52@0	9.261	9.632
77	15	10	656000	3840.0	CP-OFDM 16 QAM	52@0	9.2834	9.698
77	15	10	656000	3840.0	CP-OFDM 64 QAM	52@0	9.2849	9.584
77	15	10	656000	3840.0	CP-OFDM 256 QAM	52@0	9.2988	9.672
77	15	15	656000	3840.0	DFT-s-OFDM PI/2 BPSK	75@0	13.4	13.9
77	15	15	656000	3840.0	DFT-s-OFDM QPSK	75@0	13.424	13.98
77	15	15	656000	3840.0	CP-OFDM QPSK	79@0	14.058	14.56
77	15	15	656000	3840.0	CP-OFDM 16 QAM	79@0	14.056	14.58
77	15	15	656000	3840.0	CP-OFDM 64 QAM	79@0	14.083	15.01
77	15	15	656000	3840.0	CP-OFDM 256 QAM	79@0	14.093	14.64
77	15	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	17.88	18.48
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	17.828	18.54
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	18.892	19.59
77	15	20	656000	3840.0	CP-OFDM 16 QAM	106@0	18.918	19.5
77	15	20	656000	3840.0	CP-OFDM 64 QAM	106@0	18.874	19.57
77	15	20	656000	3840.0	CP-OFDM 256 QAM	106@0	18.873	19.6
77	15	25	656000	3840.0	DFT-s-OFDM PI/2 BPSK	128@0	22.84	23.74
77	15	25	656000	3840.0	DFT-s-OFDM QPSK	128@0	22.857	23.58
77	15	25	656000	3840.0	CP-OFDM QPSK	133@0	23.746	24.58
77	15	25	656000	3840.0	CP-OFDM 16 QAM	133@0	23.663	24.53
77	15	25	656000	3840.0	CP-OFDM 64 QAM	133@0	23.697	24.53
77	15	25	656000	3840.0	CP-OFDM 256 QAM	133@0	23.665	24.49
77	15	30	656000	3840.0	DFT-s-OFDM PI/2 BPSK	160@0	28.606	29.53

77	15	30	656000	3840.0	DFT-s-OFDM QPSK	160@0	28.473	29.51
77	15	30	656000	3840.0	CP-OFDM QPSK	160@0	28.519	29.58
77	15	30	656000	3840.0	CP-OFDM 16 QAM	160@0	28.502	29.49
77	15	30	656000	3840.0	CP-OFDM 64 QAM	160@0	28.496	29.49
77	15	30	656000	3840.0	CP-OFDM 256 QAM	160@0	28.51	29.54
77	15	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	216@0	38.597	39.82
77	15	40	656000	3840.0	DFT-s-OFDM QPSK	216@0	38.509	39.83
77	15	40	656000	3840.0	CP-OFDM QPSK	216@0	38.48	39.81
77	15	40	656000	3840.0	CP-OFDM 16 QAM	216@0	38.524	39.81
77	15	40	656000	3840.0	CP-OFDM 64 QAM	216@0	38.395	39.8
77	15	40	656000	3840.0	CP-OFDM 256 QAM	216@0	38.569	39.82
77	15	50	656000	3840.0	DFT-s-OFDM PI/2 BPSK	270@0	48.082	49.74
77	15	50	656000	3840.0	DFT-s-OFDM QPSK	270@0	48.159	49.79
77	15	50	656000	3840.0	CP-OFDM QPSK	270@0	48.169	49.74
77	15	50	656000	3840.0	CP-OFDM 16 QAM	270@0	48.226	49.67
77	15	50	656000	3840.0	CP-OFDM 64 QAM	270@0	48.088	50.02
77	15	50	656000	3840.0	CP-OFDM 256 QAM	270@0	48.298	49.77

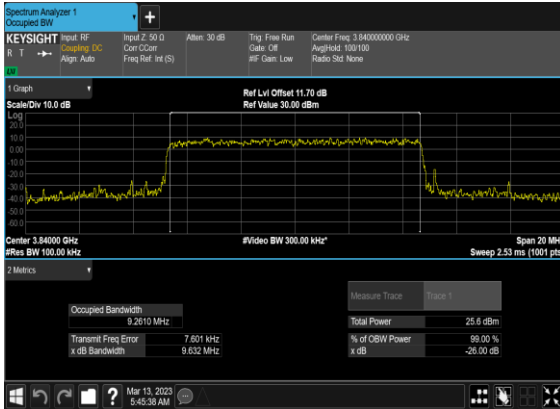
N77(10M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



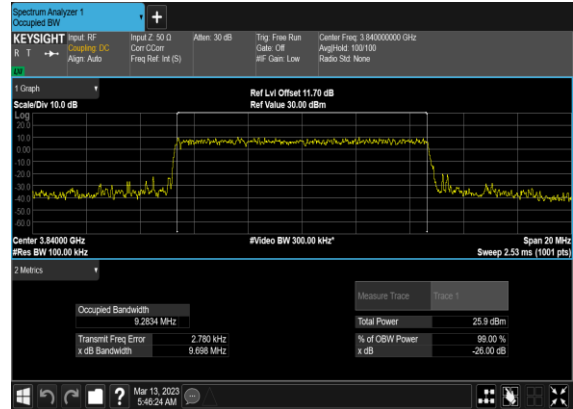
N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



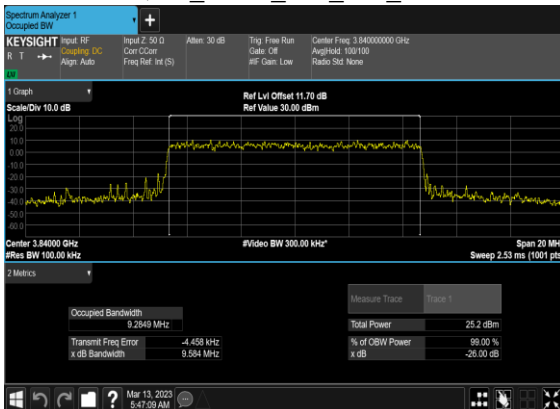
N77(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



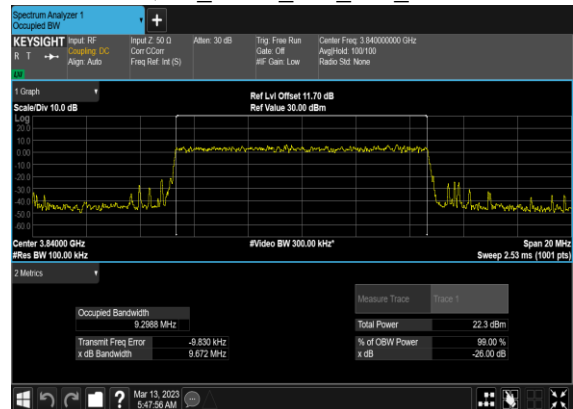
N77(10M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



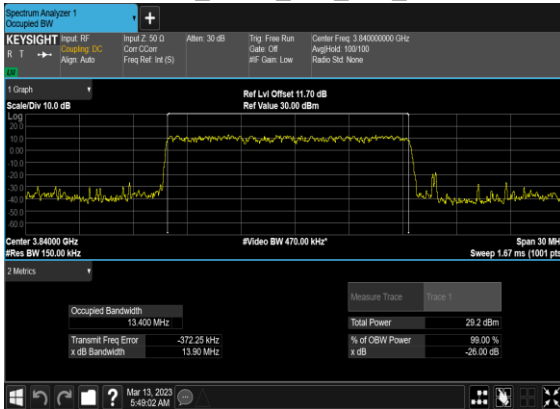
N77(10M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



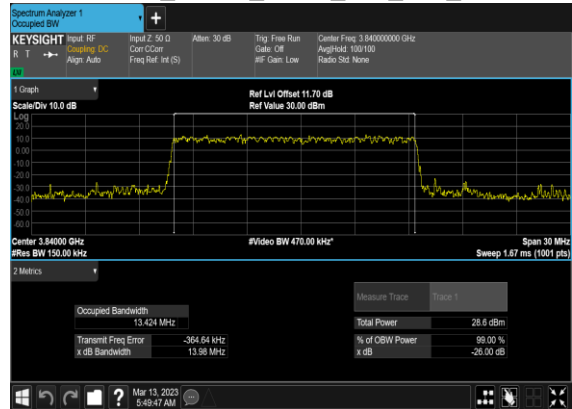
N77(10M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



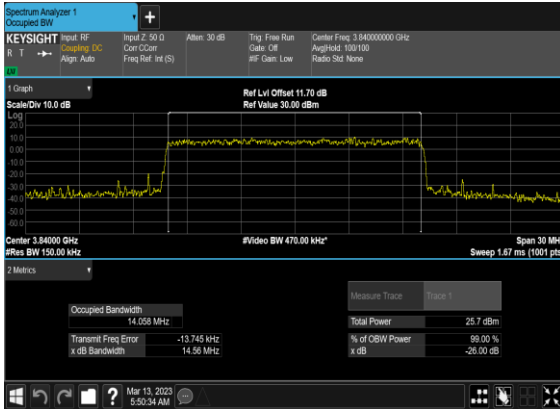
### N77(15M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



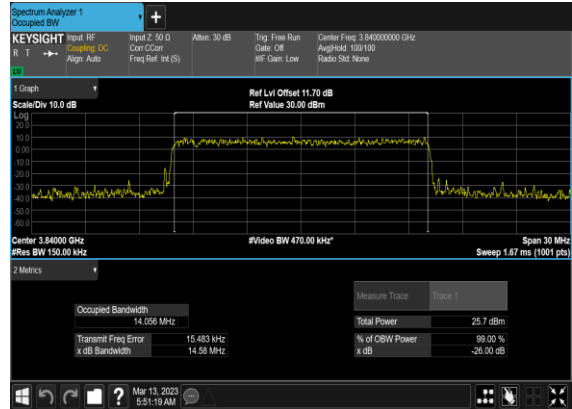
### N77(15M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



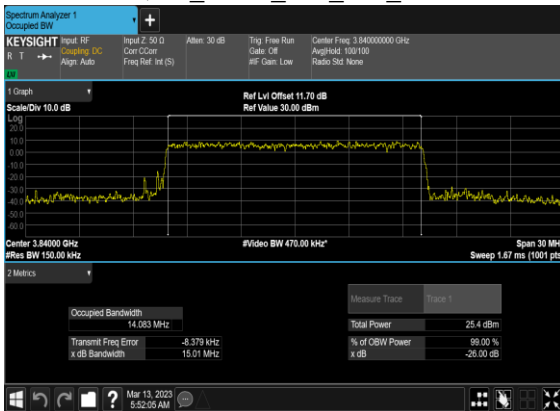
### N77(15M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



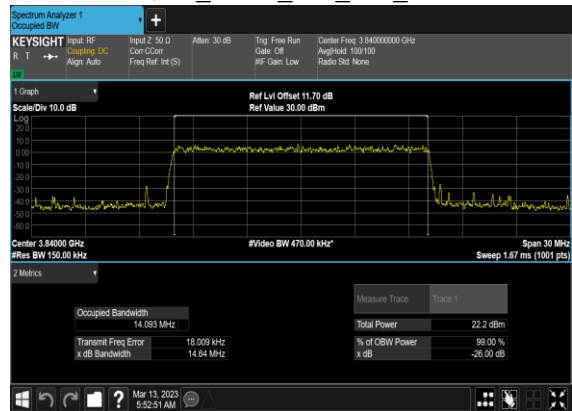
### N77(15M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



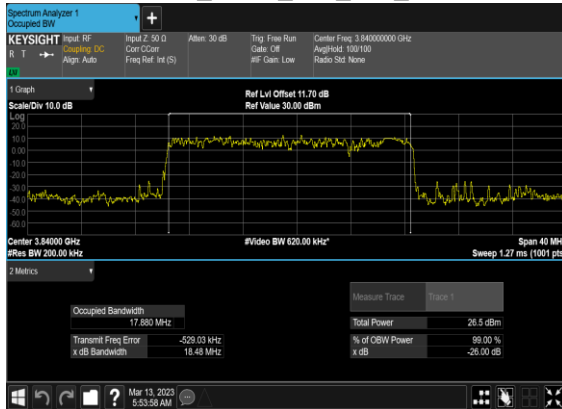
### N77(15M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



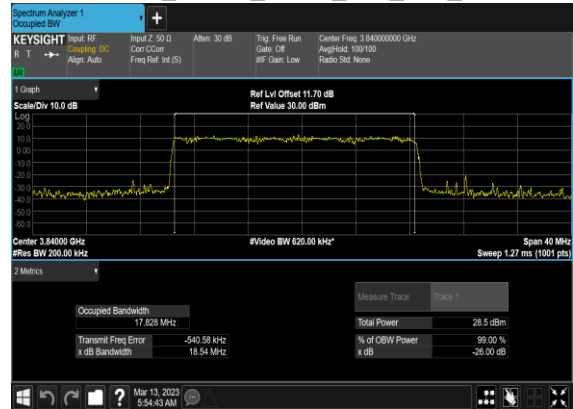
### N77(15M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



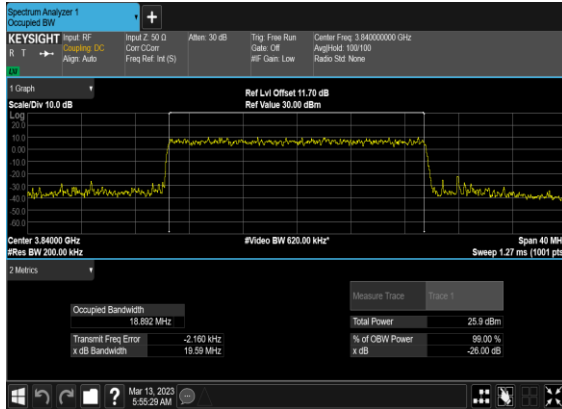
### N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



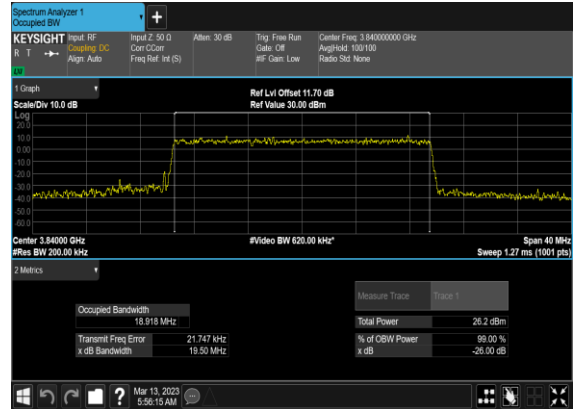
### N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



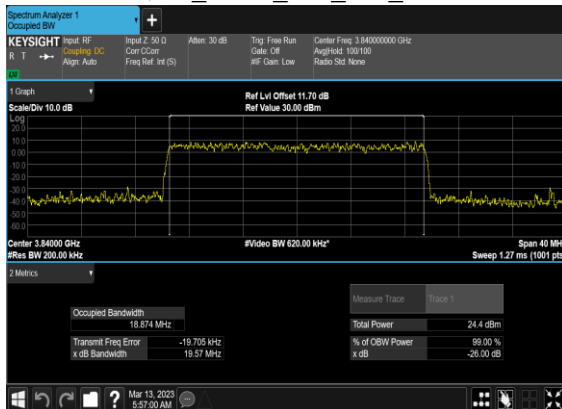
### N77(20M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



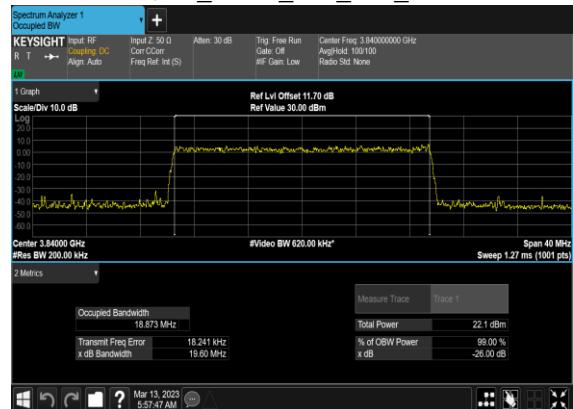
### N77(20M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



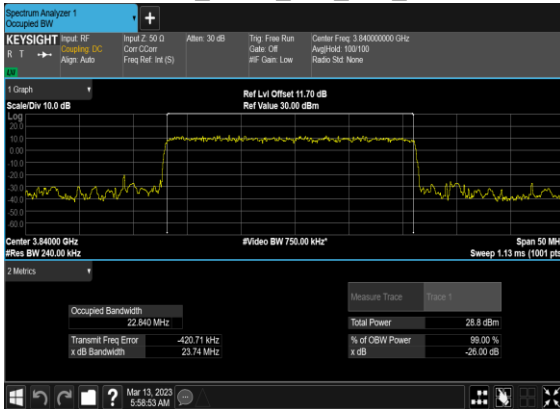
### N77(20M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



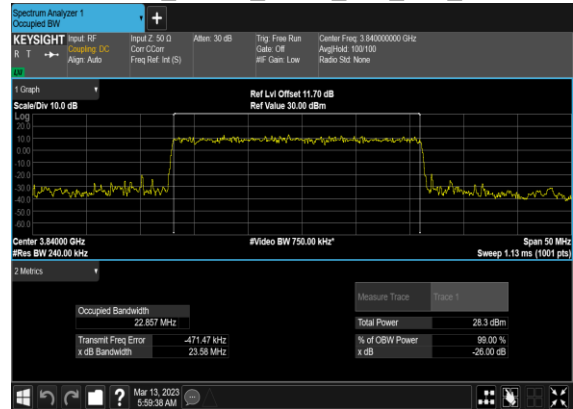
### N77(20M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



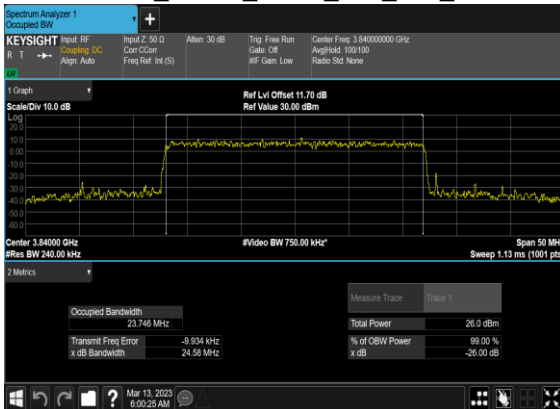
N77(25M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



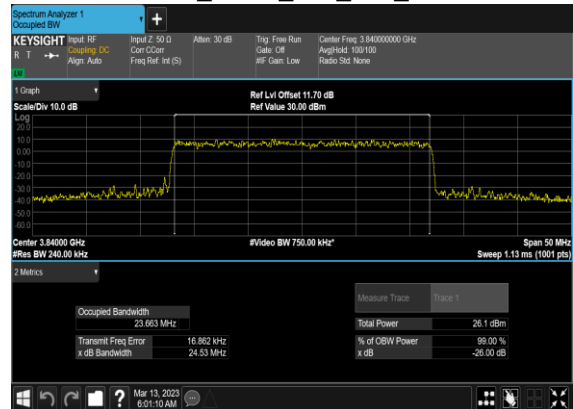
N77(25M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



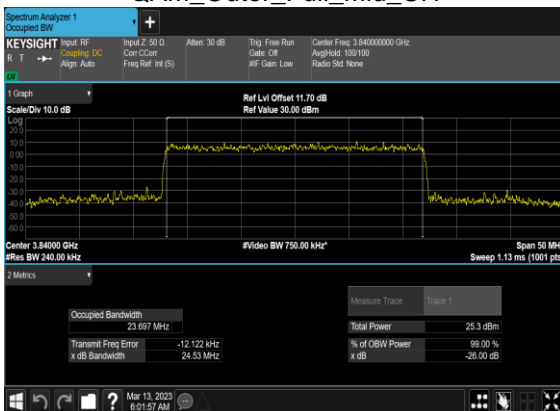
N77(25M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



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

