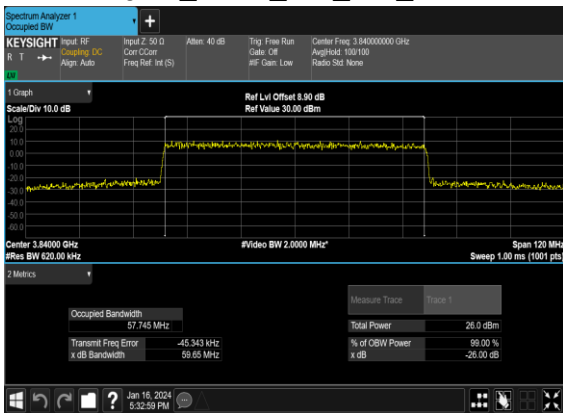
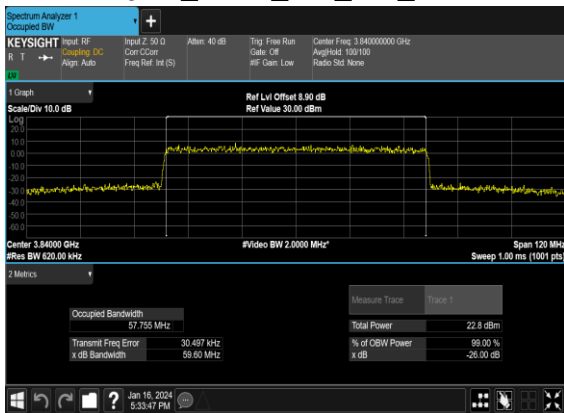


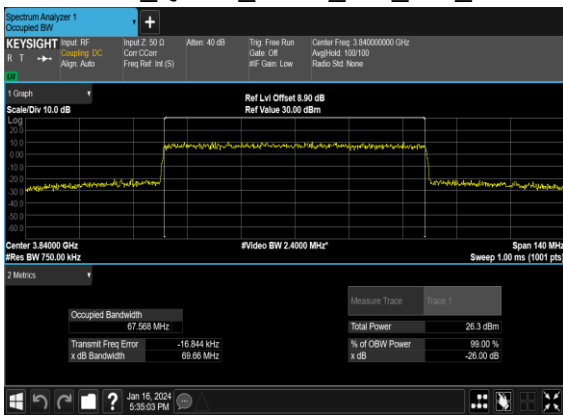
N77(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



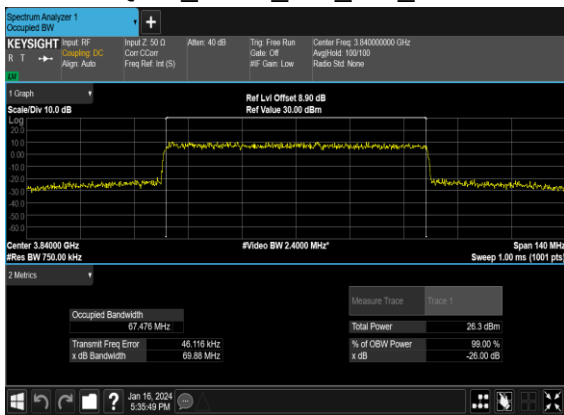
N77(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



N77(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



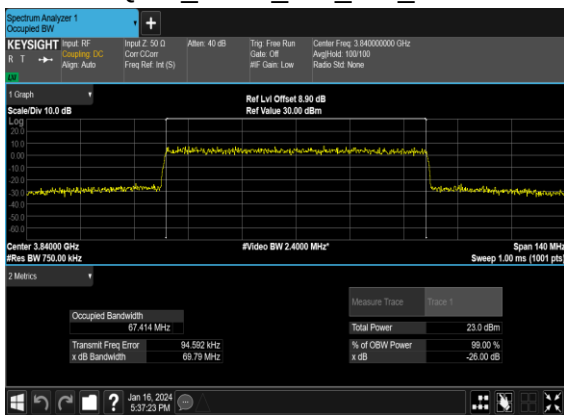
N77(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



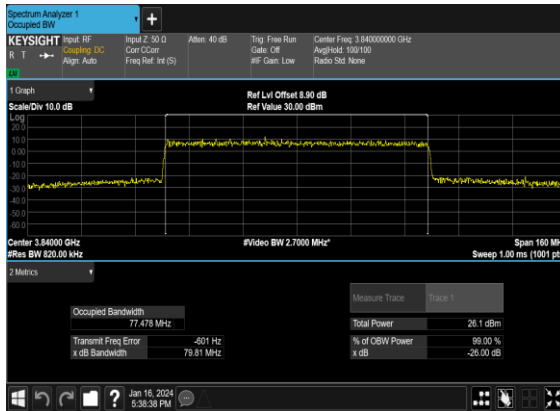
N77(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



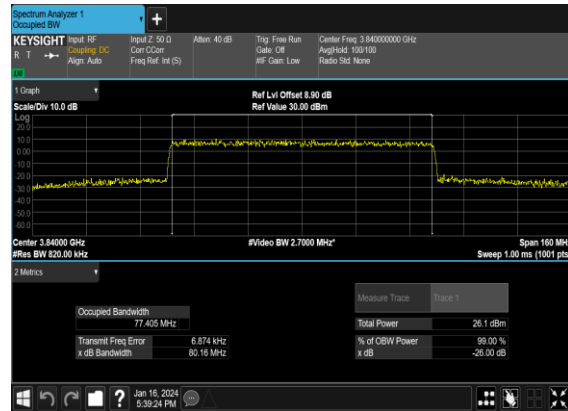
N77(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



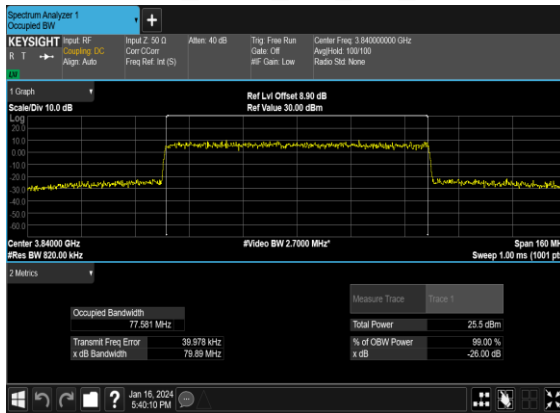
N77(80M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



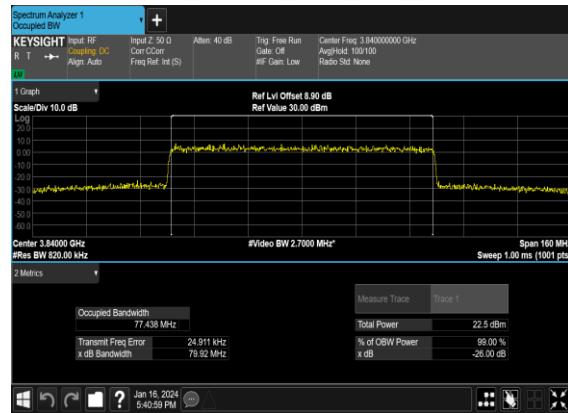
N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



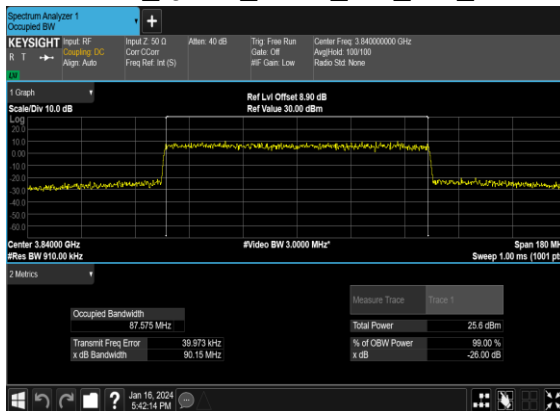
N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



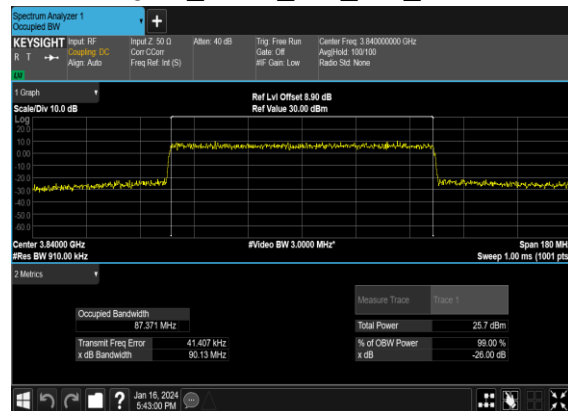
N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



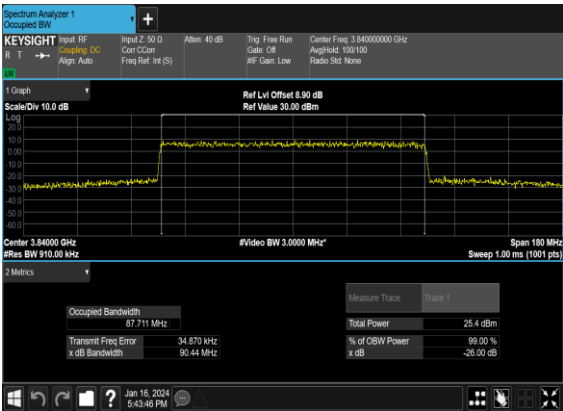
N77(90M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



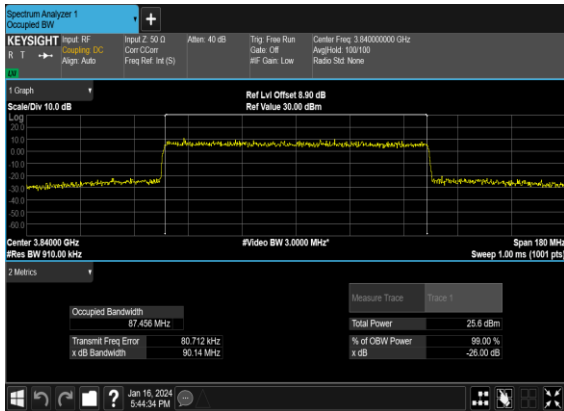
N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



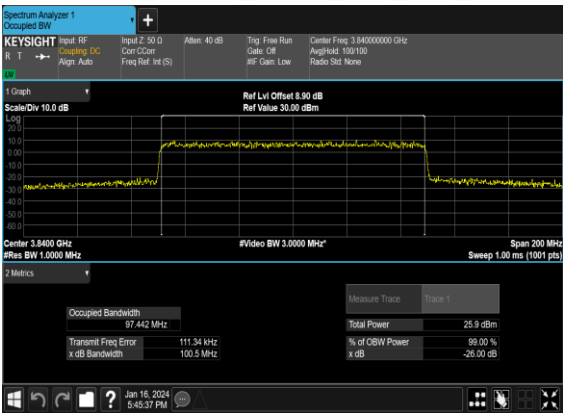
N77(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



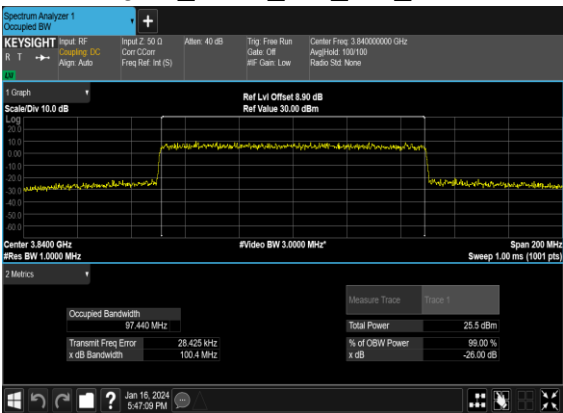
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



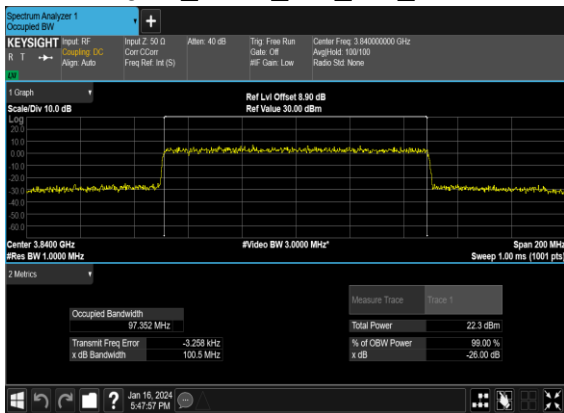
N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

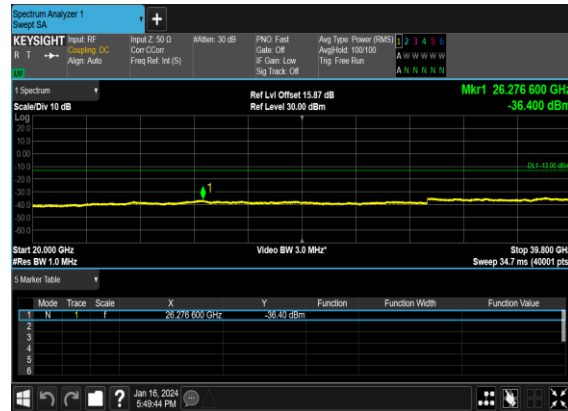
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	---
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	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
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	PASS
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
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	PASS
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
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	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
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	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
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	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	---
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
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	PASS
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
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	PASS
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
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	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
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	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



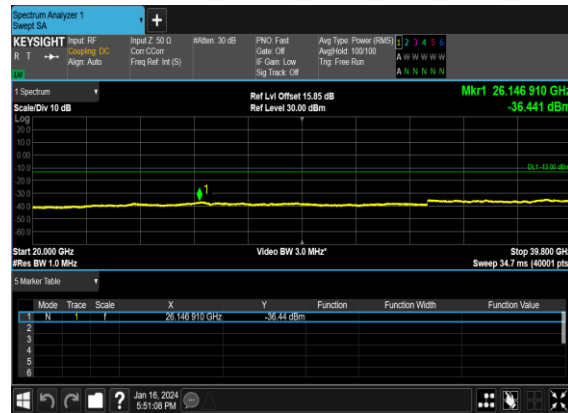
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



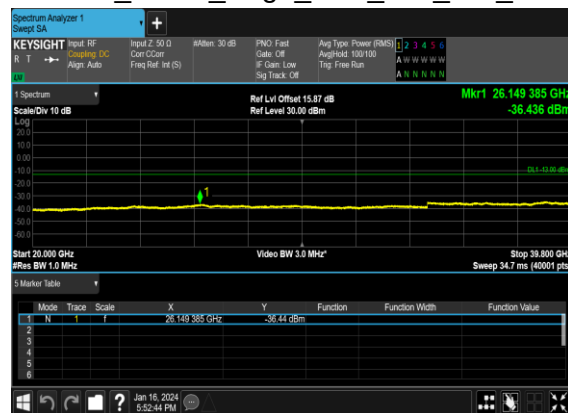
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



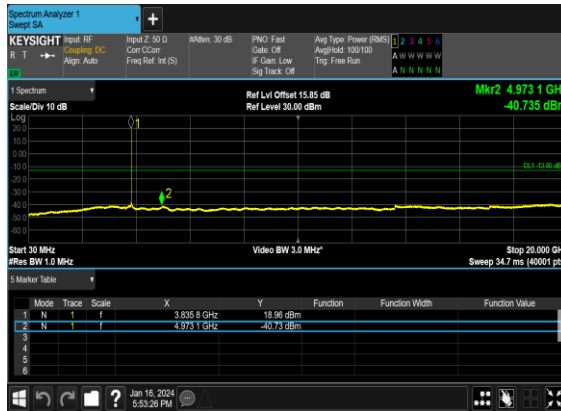
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



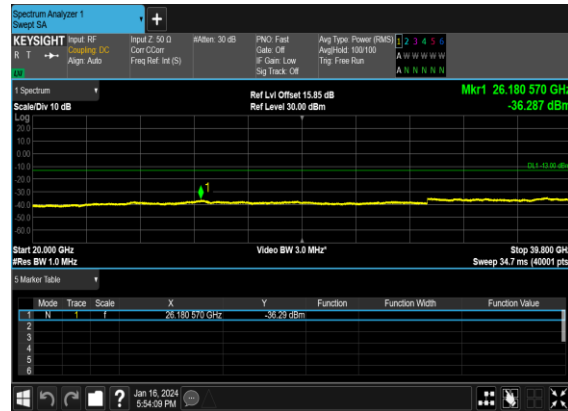
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



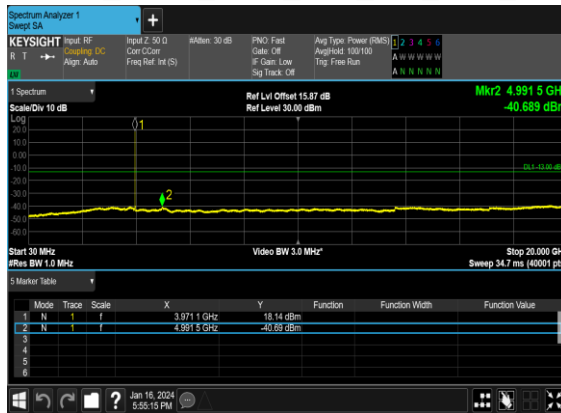
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



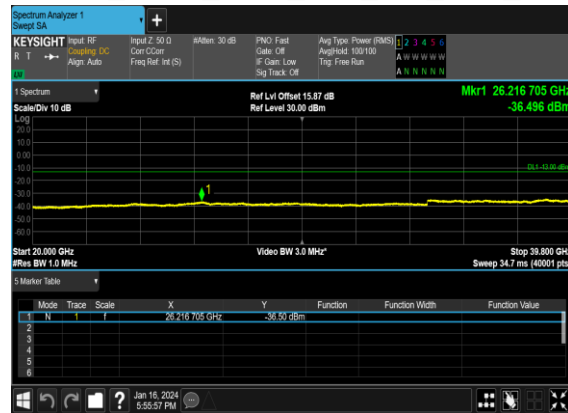
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



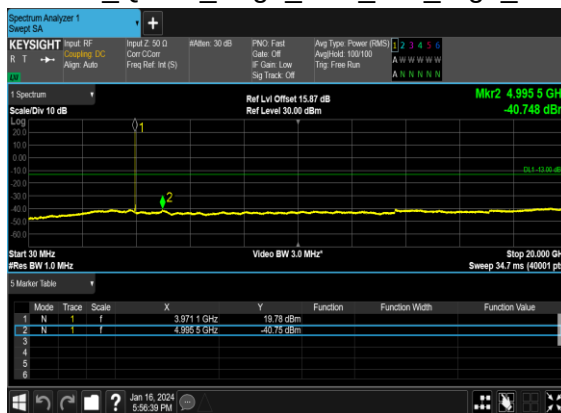
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



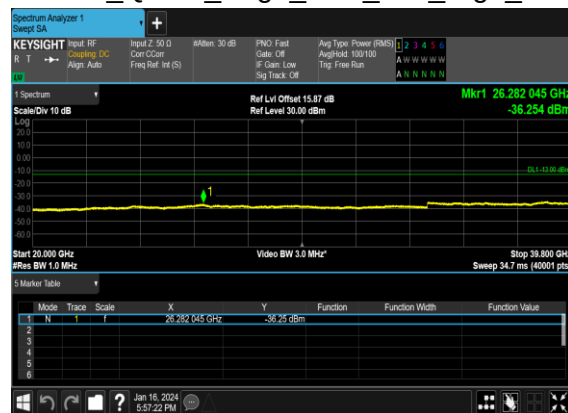
N77(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



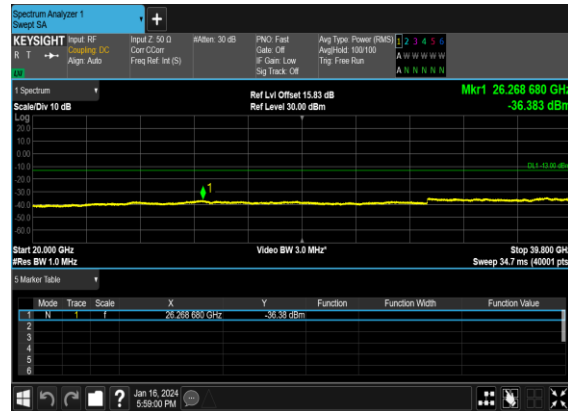
N77(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



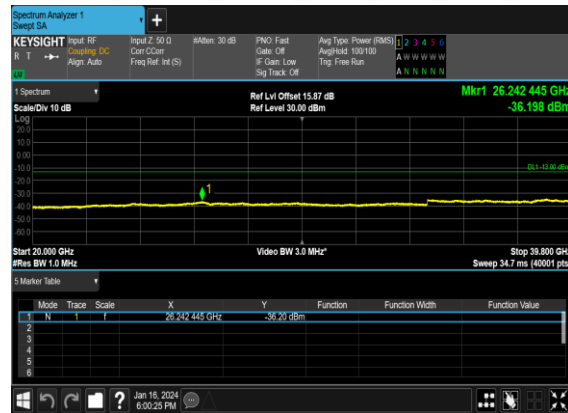
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



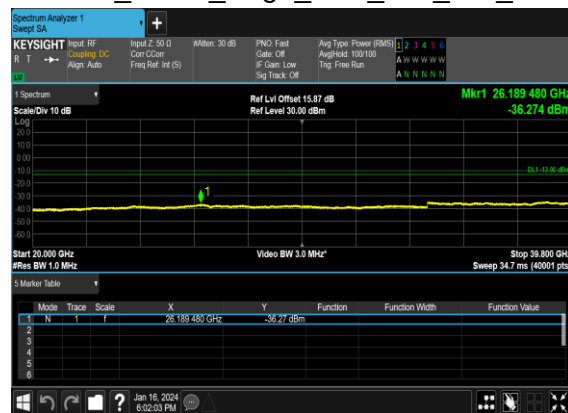
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



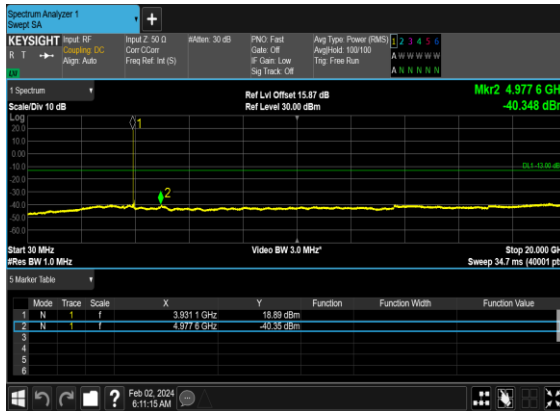
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



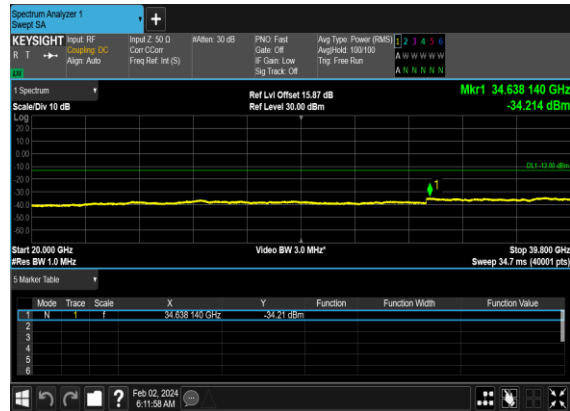
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



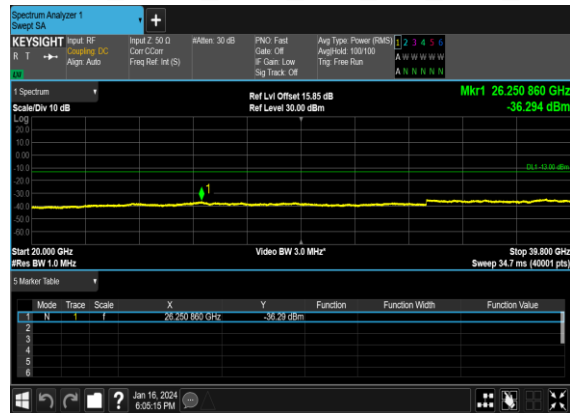
N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



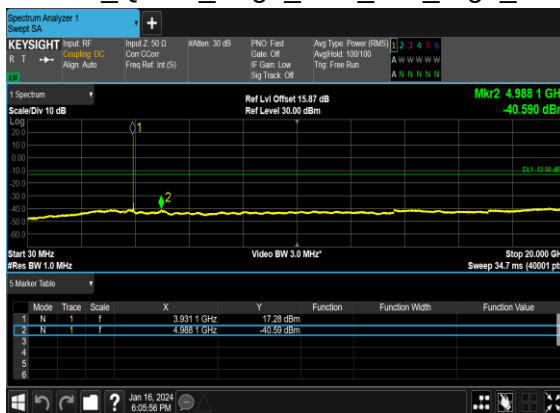
N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



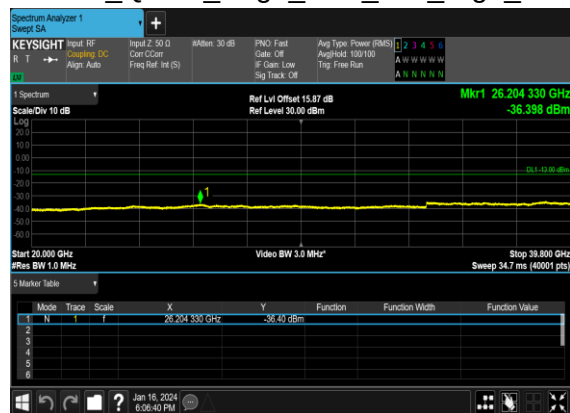
N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



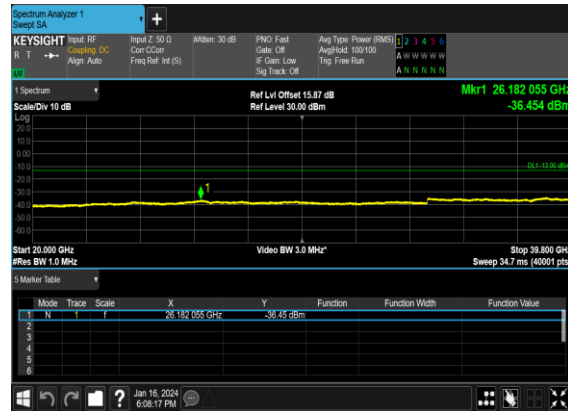
N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



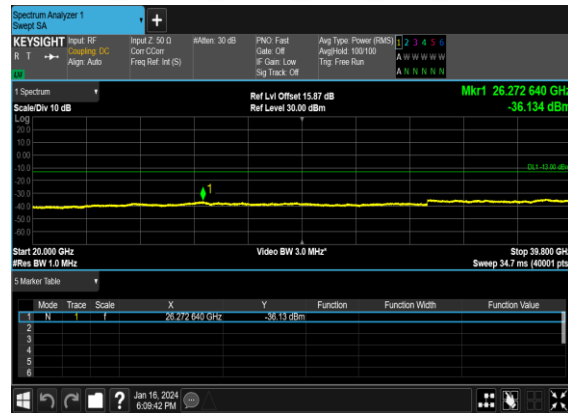
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



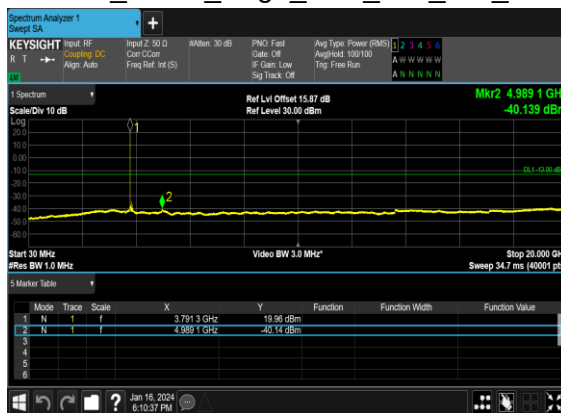
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



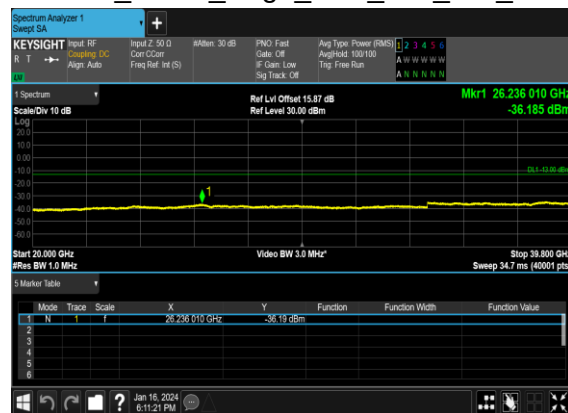
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



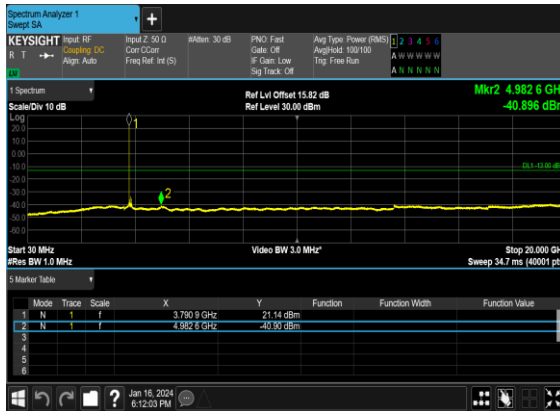
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



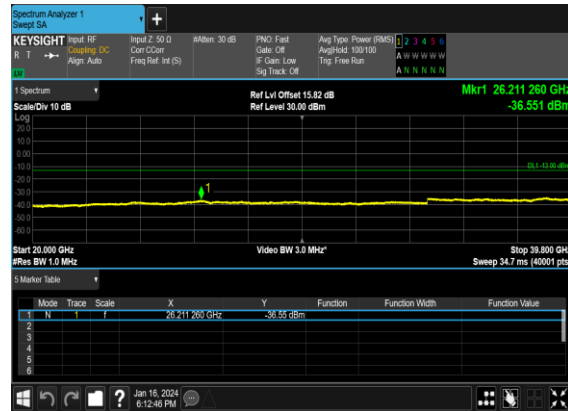
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



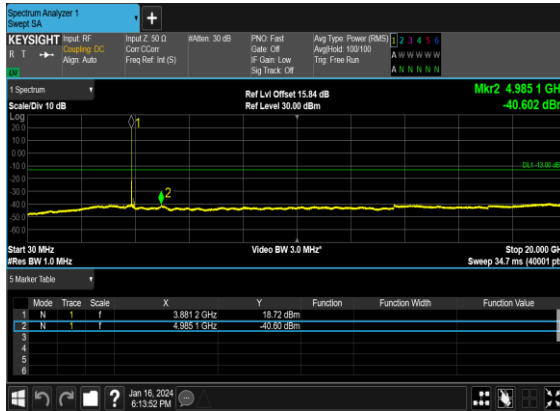
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



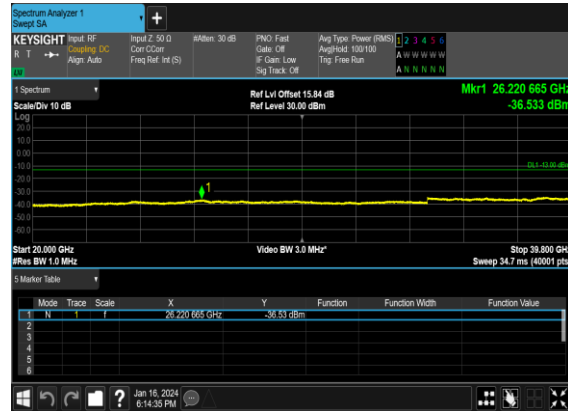
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



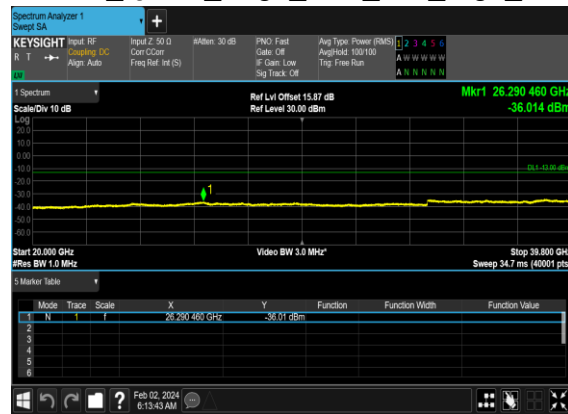
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



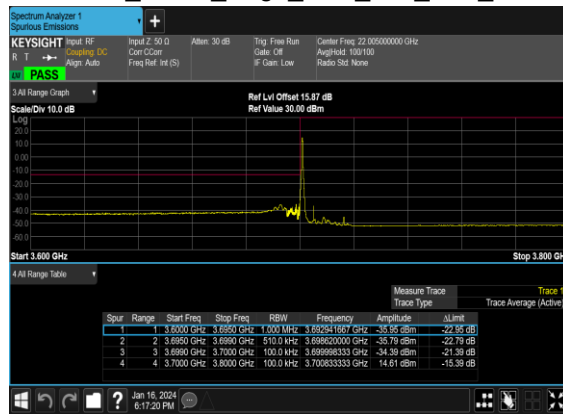
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



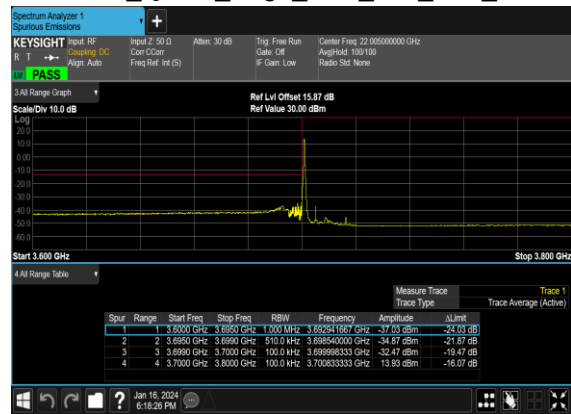
Conducted Band Edge

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



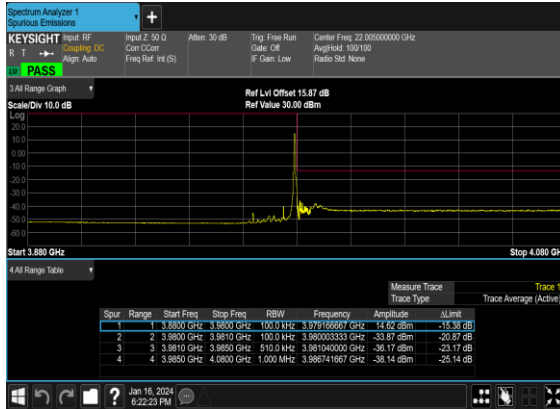
N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



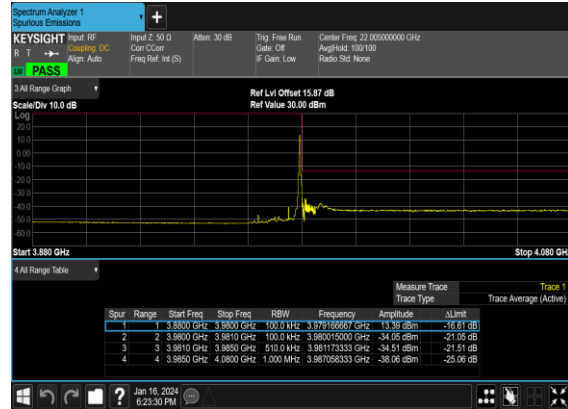
N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



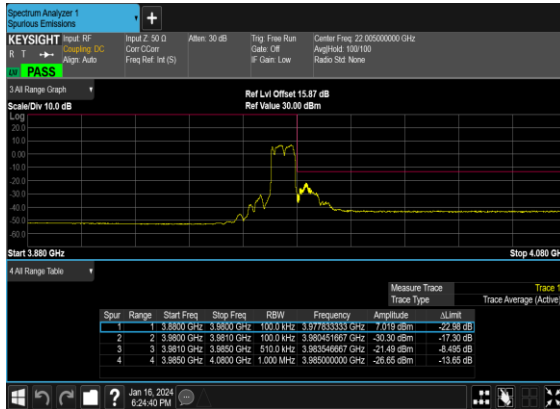
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



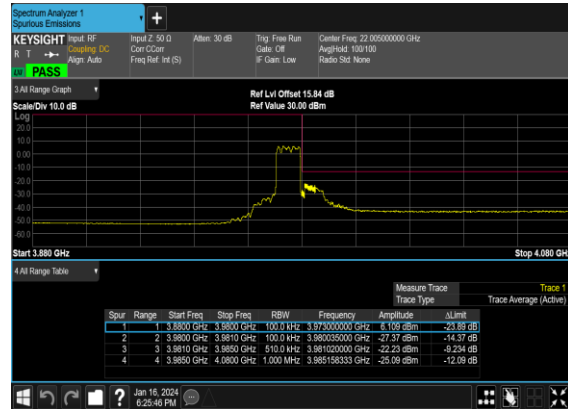
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



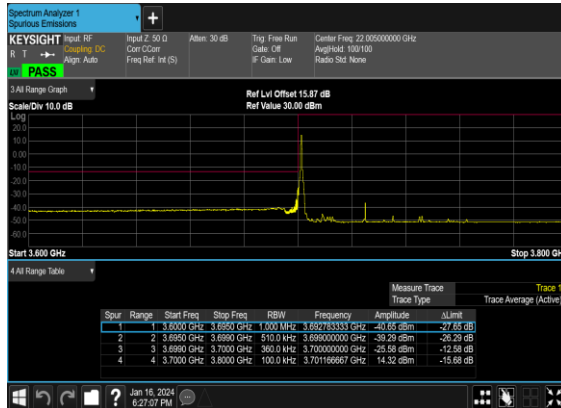
N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



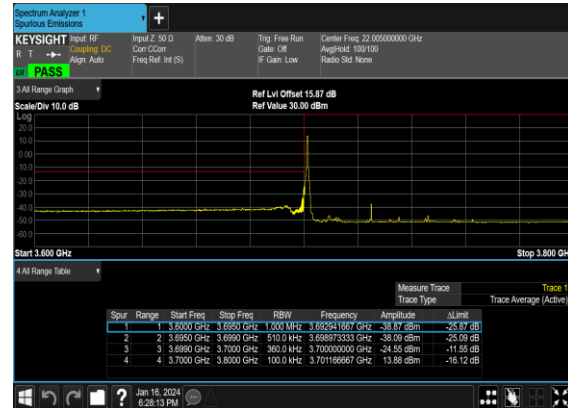
N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



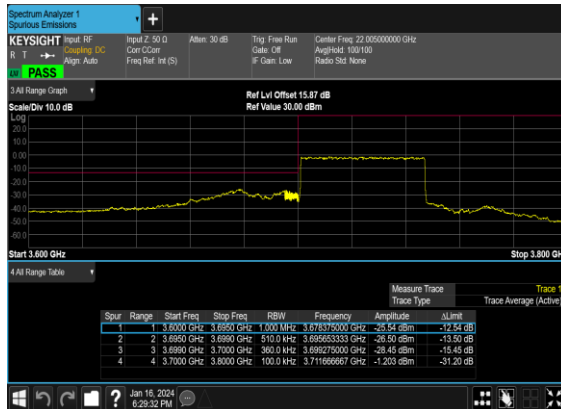
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



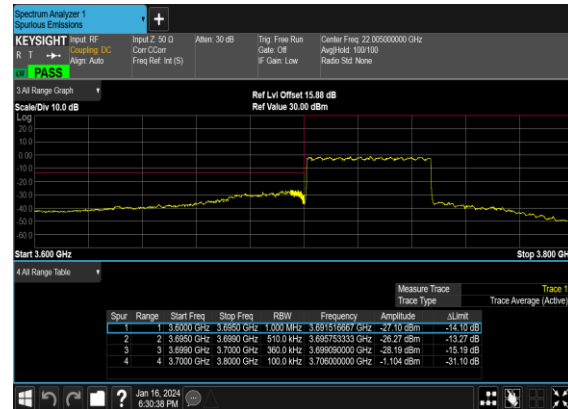
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



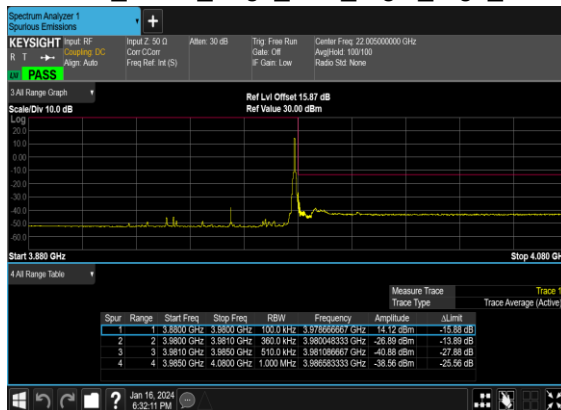
N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



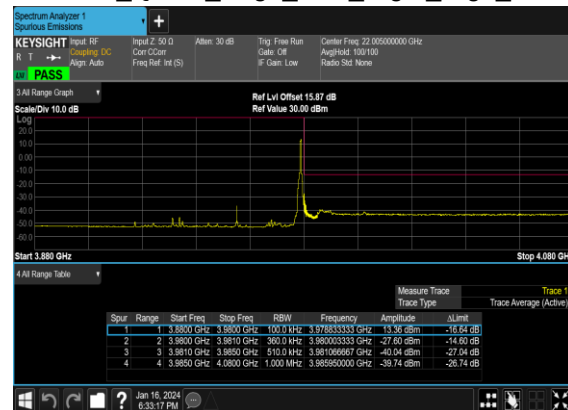
N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



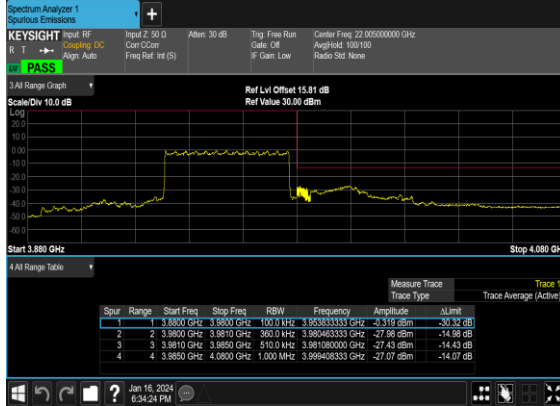
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



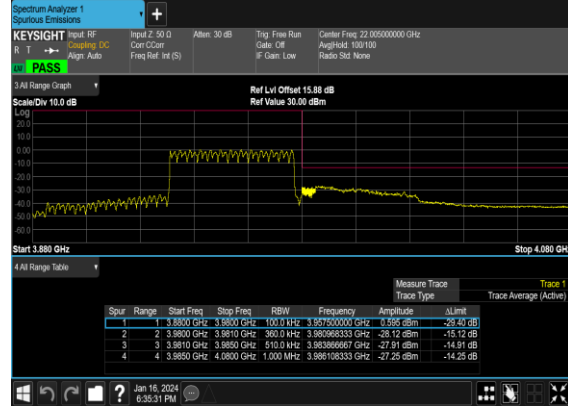
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



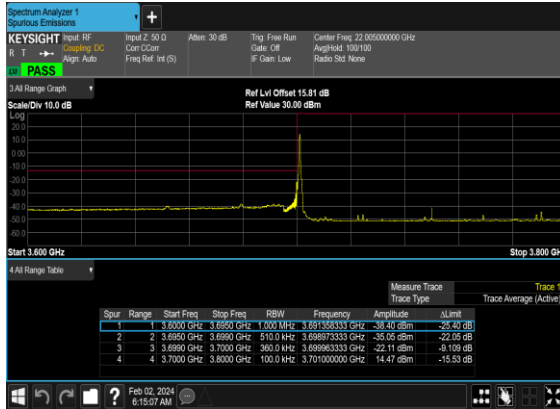
N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



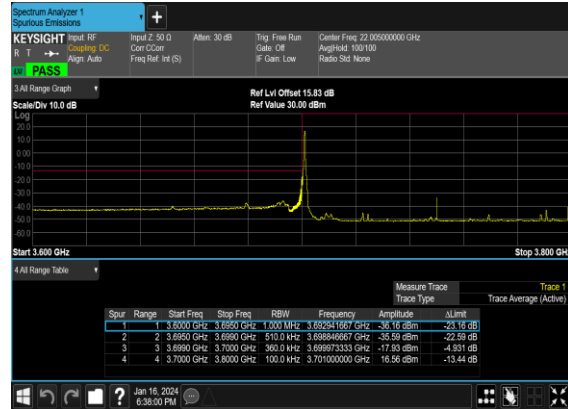
N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



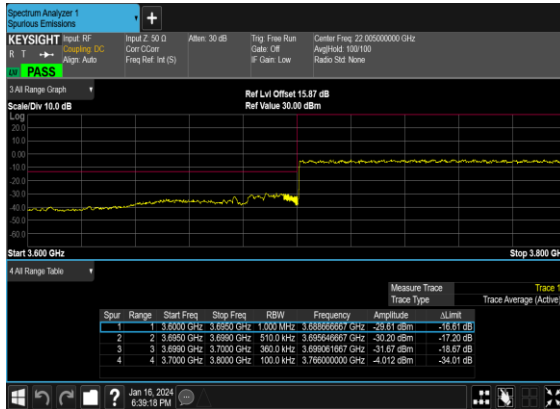
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



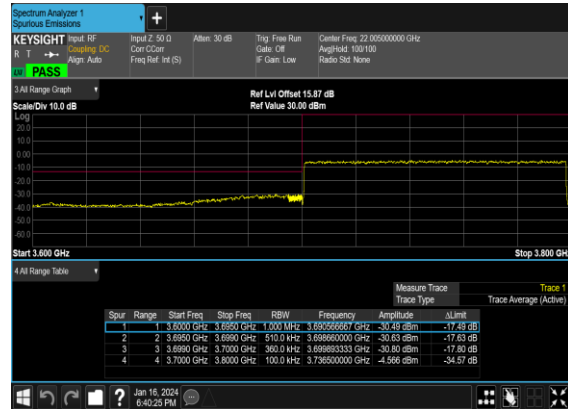
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



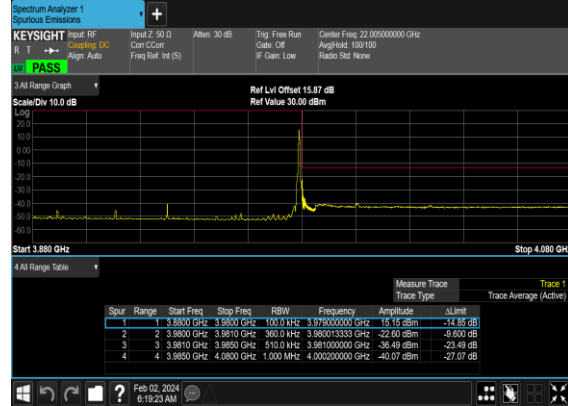
N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



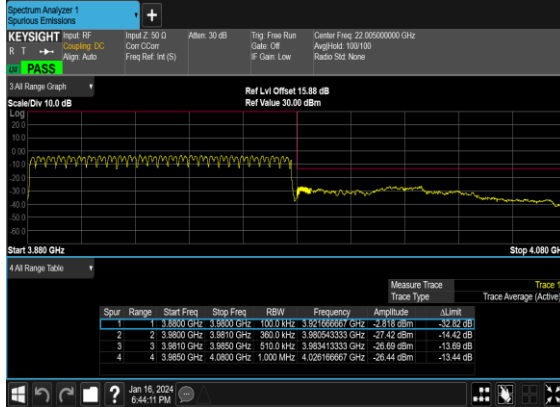
N77(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



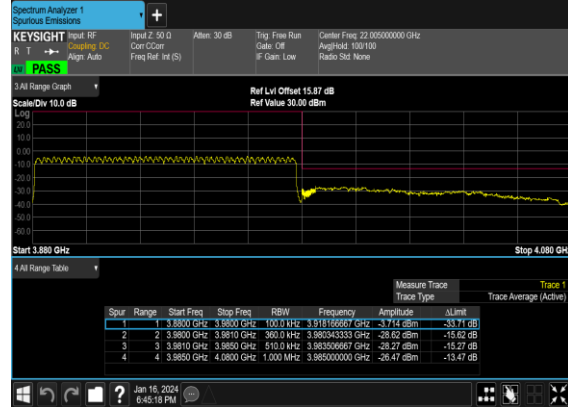
N77(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



FR1 N77 MIMO- ANT(3+5)_SCS30kHz

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-1.49dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	ANT5 Power (dBm)	ANT3 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	26.82	26.33	29.59	28.1	0.6457
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	25.73	25.31	28.54	27.05	0.5070
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@1	26.86	26.62	29.75	28.26	0.6699
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.92	25.69	28.82	27.33	0.5408
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@1	26.5	26.61	29.57	28.08	0.6427
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	25.75	25.63	28.70	27.21	0.5260
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	26.91	26.39	29.67	28.18	0.6577
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	25.97	25.53	28.77	27.28	0.5346
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@1	26.9	26.63	29.78	28.29	0.6745
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.93	25.71	28.83	27.34	0.5420
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	26.75	26.72	29.75	28.26	0.6699
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	25.68	25.67	28.69	27.2	0.5248
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	26.91	26.43	29.69	28.2	0.6607
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	25.98	25.5	28.76	27.27	0.5333
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	26.92	26.68	29.81	28.32	0.6792
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.97	25.8	28.90	27.41	0.5508
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	26.64	26.65	29.66	28.17	0.6561
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	25.79	25.7	28.76	27.27	0.5333
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	26.6	26.55	29.59	28.1	0.6457
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	25.6	25.93	28.78	27.29	0.5358
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@1	26.45	26.32	29.40	27.91	0.6180
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.86	26.27	29.08	27.59	0.5741
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	26.55	26.33	29.45	27.96	0.6252
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	26.02	26.25	29.15	27.66	0.5834
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	26.21	26.09	29.16	27.67	0.5848
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	25.21	24.81	28.02	26.53	0.4498
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@1	26.42	26.37	29.41	27.92	0.6194
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.31	25.28	28.31	26.82	0.4808
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	26.15	26.13	29.15	27.66	0.5834
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	25.04	24.95	28.01	26.52	0.4487
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	26.97	26.43	29.72	28.23	0.6653
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	26.01	25.57	28.81	27.32	0.5395
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	26.86	26.75	29.82	28.33	0.6808
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.93	25.84	28.90	27.41	0.5508
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	26.58	26.56	29.58	28.09	0.6442
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	25.56	25.54	28.56	27.07	0.5093
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	26.78	26.27	29.54	28.05	0.6383
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.73	25.24	28.50	27.01	0.5023
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	26.83	26.75	29.80	28.31	0.6776
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.91	25.85	28.89	27.4	0.5495
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	26.49	26.59	29.55	28.06	0.6397

77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	25.71	25.65	28.69	27.2	0.5248
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	26.91	26.37	29.66	28.17	0.6561
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	25.85	25.4	28.64	27.15	0.5188
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	26.73	26.69	29.72	28.23	0.6653
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.77	25.74	28.77	27.28	0.5346
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	26.29	26.38	29.35	27.86	0.6109
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	25.62	25.51	28.58	27.09	0.5117
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	26.81	26.33	29.59	28.1	0.6457
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	25.77	25.35	28.58	27.09	0.5117
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@1	26.68	26.64	29.67	28.18	0.6577
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.75	25.7	28.74	27.25	0.5309
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@1	26.35	26.35	29.36	27.87	0.6124
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@1	25.54	25.37	28.47	26.98	0.4989
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	26.87	26.41	29.66	28.17	0.6561
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	25.71	25.36	28.55	27.06	0.5082
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	26.63	26.57	29.61	28.12	0.6486
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.64	25.57	28.62	27.13	0.5164
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	26.54	26.45	29.51	28.02	0.6339
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	25.68	25.53	28.62	27.13	0.5164
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	26.84	26.36	29.62	28.13	0.6501
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	25.76	25.41	28.60	27.11	0.5140
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	26.59	26.61	29.61	28.12	0.6486
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.69	25.65	28.68	27.19	0.5236
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	26.46	26.53	29.51	28.02	0.6339
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	25.74	25.6	28.68	27.19	0.5236
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	26.91	26.61	29.77	28.28	0.6730
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.91	26.48	29.71	28.22	0.6637
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	26.75	26.68	29.73	28.24	0.6668
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	26.94	26.65	29.81	28.32	0.6792
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	26.74	26.4	29.58	28.09	0.6442
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.73	26.65	29.70	28.21	0.6622
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	25.97	25.68	28.84	27.35	0.5433
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.89	25.56	28.74	27.25	0.5309
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.86	25.79	28.84	27.35	0.5433
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	24	23.69	26.86	25.37	0.3443
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.97	23.69	26.84	25.35	0.3428
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.87	23.91	26.90	25.41	0.3475
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	24	23.68	26.85	25.36	0.3436
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.47	21.11	24.30	22.81	0.1910
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.43	21.33	24.39	22.9	0.1950
77	30	100	650000	3750	CP-OFDM QPSK	137@68	25.41	25.18	28.31	26.82	0.4808
77	30	100	650000	3750	CP-OFDM QPSK	1@1	25.28	25	28.15	26.66	0.4634
77	30	100	650000	3750	CP-OFDM QPSK	1@271	25.28	25.27	28.29	26.8	0.4786
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	26.89	26.79	29.85	28.36	0.6855
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	26.39	26.63	29.52	28.03	0.6353
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	26.42	26.52	29.48	27.99	0.6295
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	26.85	26.82	29.85	28.36	0.6855
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	26.27	26.57	29.43	27.94	0.6223
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	26.33	26.42	29.39	27.9	0.6166
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	26.02	25.86	28.95	27.46	0.5572

77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.77	25.71	28.75	27.26	0.5321
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	25.76	25.61	28.70	27.21	0.5260
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	24.09	23.87	26.99	25.5	0.3548
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	23.85	23.81	26.84	25.35	0.3428
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	23.86	23.69	26.79	25.3	0.3388
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	21.58	21.34	24.47	22.98	0.1986
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	21.34	21.26	24.31	22.82	0.1914
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	21.34	21.15	24.26	22.77	0.1892
77	30	100	656000	3840	CP-OFDM QPSK	137@68	25.46	25.3	28.39	26.9	0.4898
77	30	100	656000	3840	CP-OFDM QPSK	1@1	25.27	25.18	28.24	26.75	0.4732
77	30	100	656000	3840	CP-OFDM QPSK	1@271	25.26	25.09	28.19	26.7	0.4677
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	26.43	26.62	29.54	28.05	0.6383
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	26.07	26.32	29.21	27.72	0.5916
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	26.3	26.51	29.42	27.93	0.6209
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	26.25	26.49	29.38	27.89	0.6152
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	25.92	26.27	29.11	27.62	0.5781
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	26.22	26.4	29.32	27.83	0.6067
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	135@67	25.78	25.74	28.77	27.28	0.5346
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	25.62	25.46	28.55	27.06	0.5082
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@271	25.6	25.79	28.71	27.22	0.5272
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	135@67	23.83	23.74	26.80	25.31	0.3396
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	23.68	23.56	26.63	25.14	0.3266
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@271	23.55	23.45	26.51	25.02	0.3177
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	135@67	21.68	21.09	24.41	22.92	0.1959
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	21.24	21.11	24.19	22.7	0.1862
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@271	21.32	21.43	24.39	22.9	0.1950
77	30	100	662000	3930	CP-OFDM QPSK	137@68	25.22	25.16	28.20	26.71	0.4688
77	30	100	662000	3930	CP-OFDM QPSK	1@1	25.18	25.09	28.15	26.66	0.4634
77	30	100	662000	3930	CP-OFDM QPSK	1@271	25.19	25.34	28.28	26.79	0.4775

FR1 N77 MIMO- ANT(3+5)_ANT5_SCS30kHz

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0025	PASS	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0023	PASS	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0050	PASS	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0039	PASS	-30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0023	PASS	-20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0036	PASS	-10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0039	PASS	0°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0053	PASS	10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0025	PASS	20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0042	PASS	30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0054	PASS	40°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0047	PASS	50°C

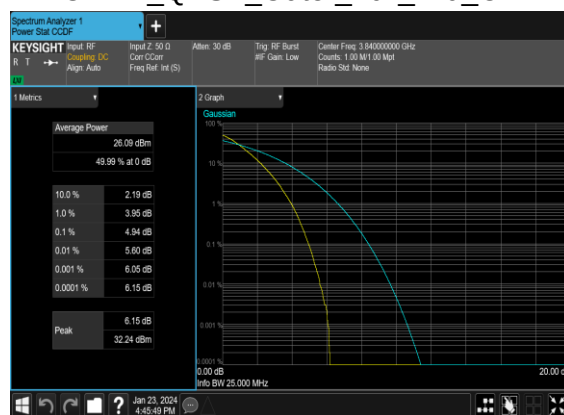
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	3.76	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	4.94	13	PASS

N77(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH

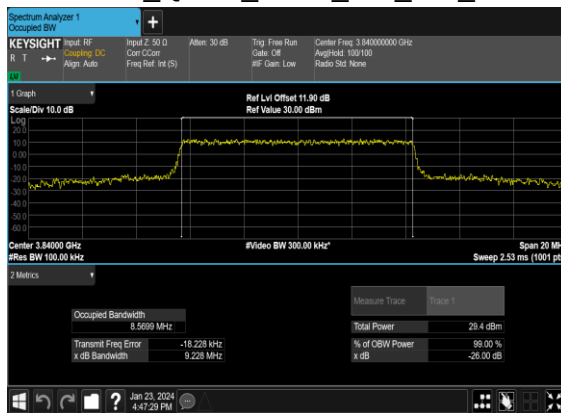


Occupied Bandwidth

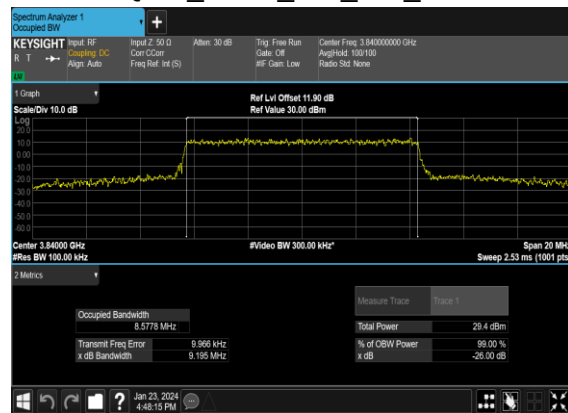
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5699	9.228
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5778	9.195
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5595	9.376
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5826	9.102
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.574	14.29
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.564	14.18
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.556	14.29
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.528	14.17
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.236	19.03
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.081	18.67
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.231	18.98
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.272	19.11
77	30	25	656000	3840.0	CP-OFDM QPSK	65@0	23.246	24.11
77	30	25	656000	3840.0	CP-OFDM 16 QAM	65@0	23.208	24.15
77	30	25	656000	3840.0	CP-OFDM 64 QAM	65@0	23.151	24.11
77	30	25	656000	3840.0	CP-OFDM 256 QAM	65@0	23.21	24.12
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.848	29.02
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.865	28.96
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.918	29.2
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.739	28.81
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.881	39.32
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.925	39.57
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.772	39.18
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.949	39.13
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.509	48.99
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.47	49.01
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.6	48.97
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.478	49.01
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.911	59.67
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	58.006	59.62
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.853	59.73
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.87	59.74
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.512	69.63
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.597	69.8
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.641	69.77
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.557	69.78
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.452	80.03
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.542	80.07
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.788	79.87
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.431	79.96

77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.565	90.25
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.579	90.26
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.634	90.27
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.492	90.21
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.649	100.5
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.427	100.5
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.525	100.5
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.551	100.6

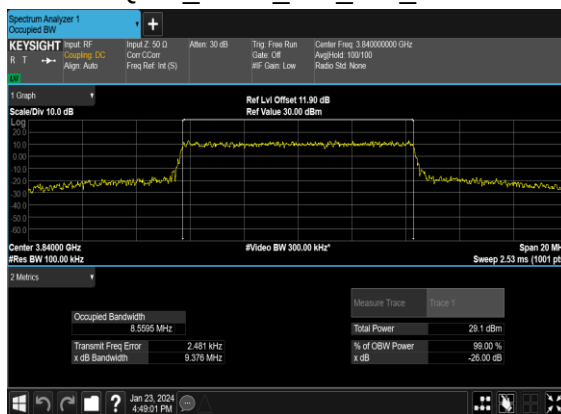
N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



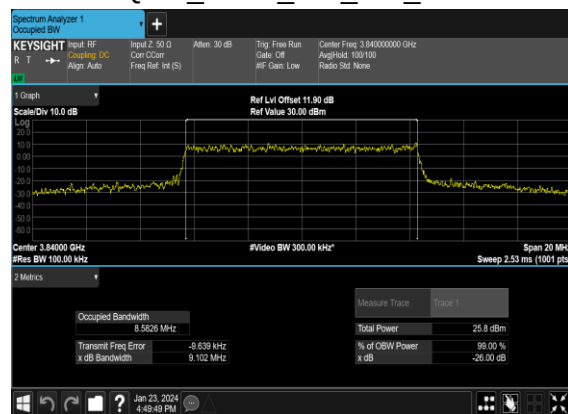
N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



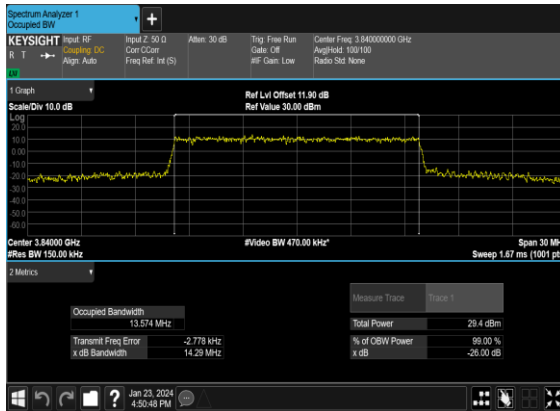
N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



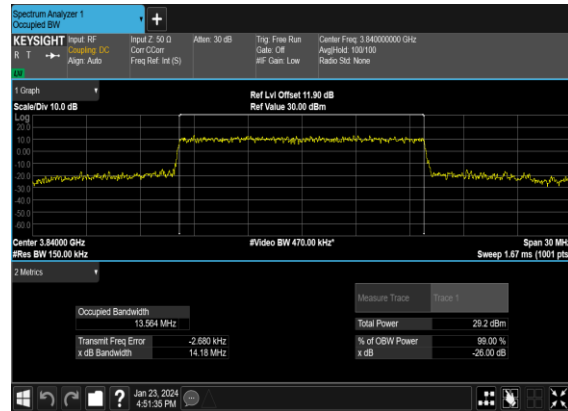
N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



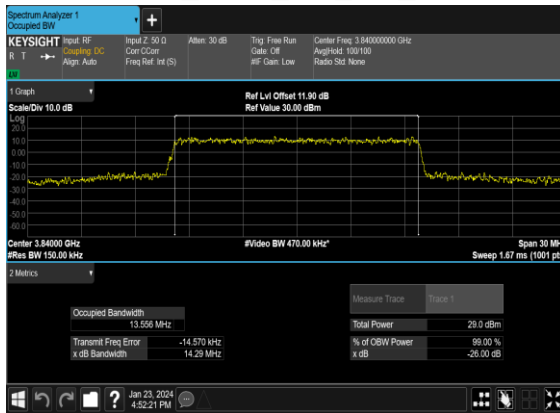
N77(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



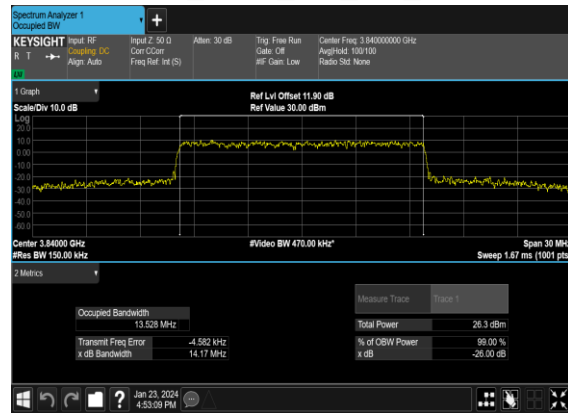
N77(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



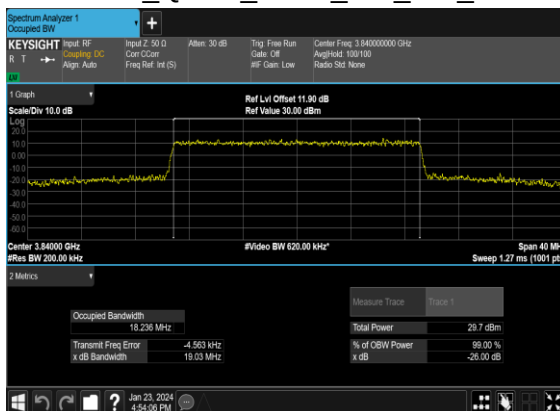
N77(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



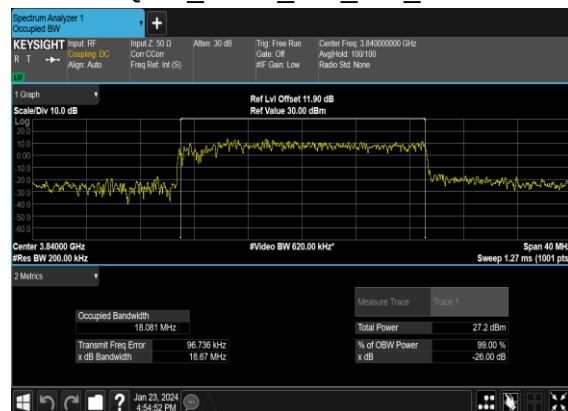
N77(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



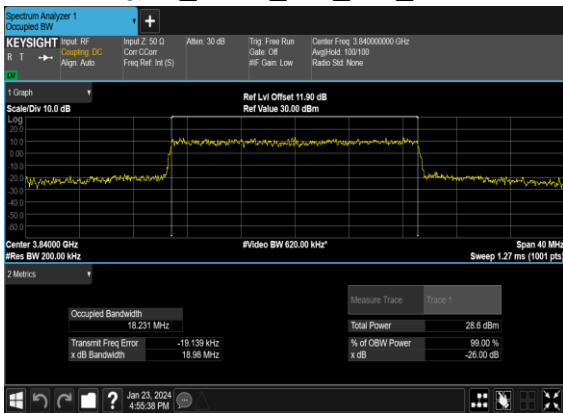
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



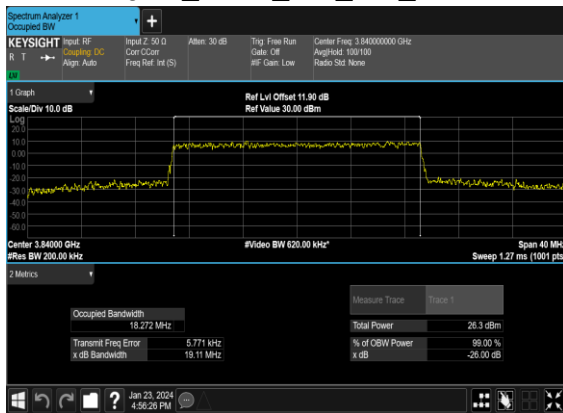
N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



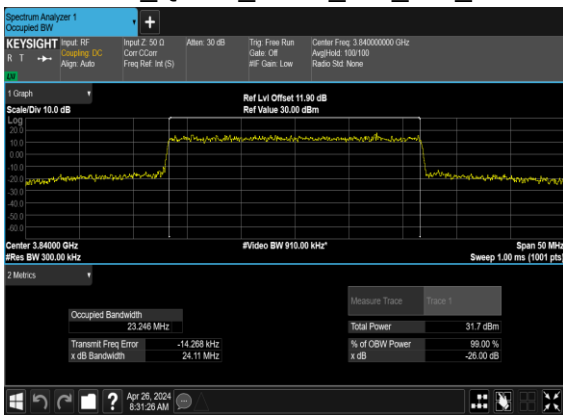
N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



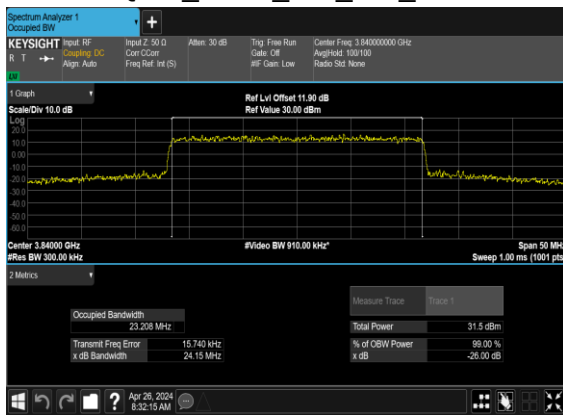
N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



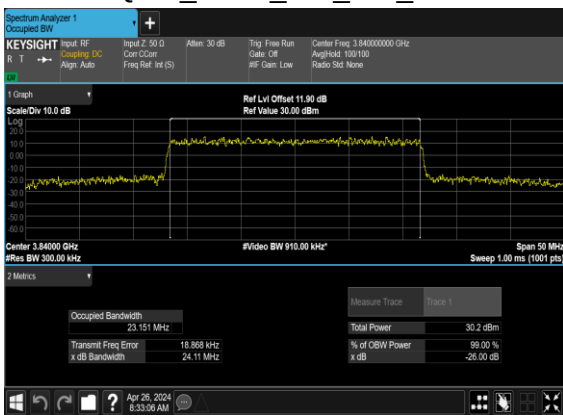
N77(25M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



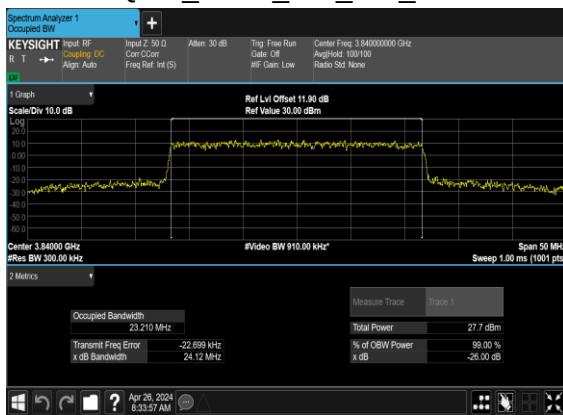
N77(25M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



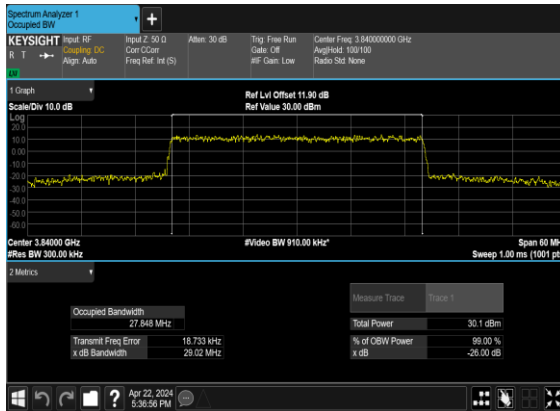
N77(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



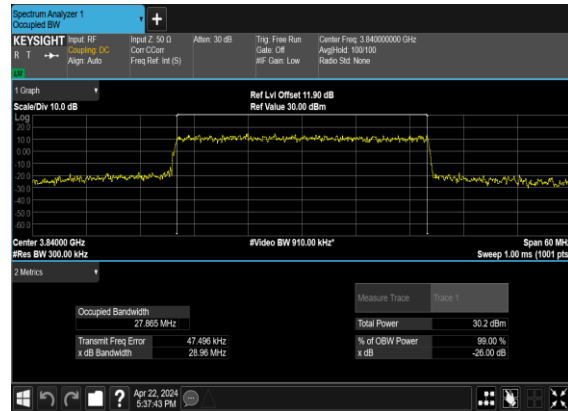
N77(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



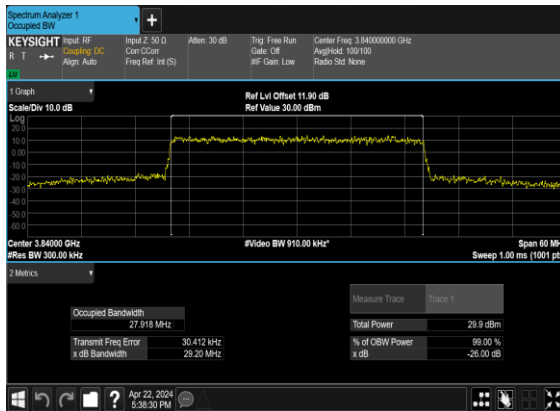
N77(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



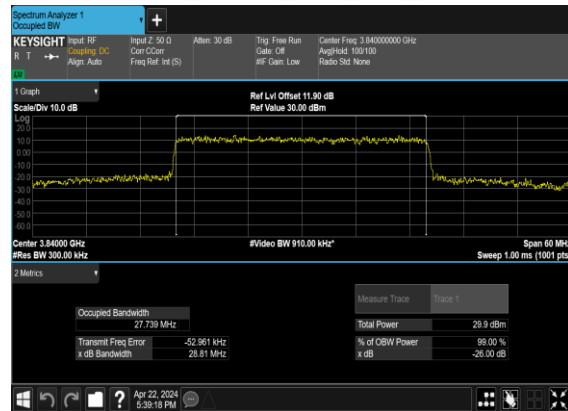
N77(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



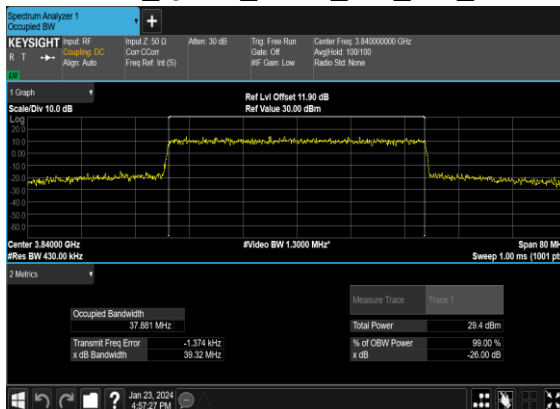
N77(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



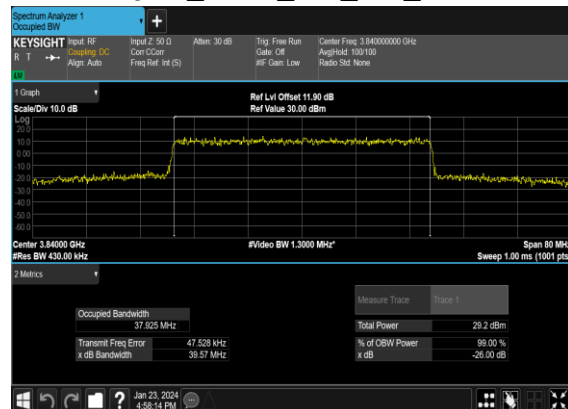
N77(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



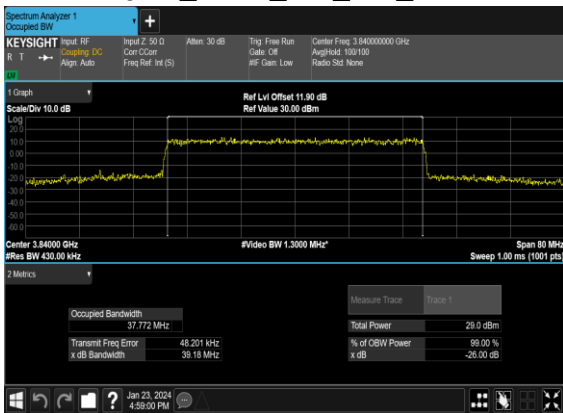
N77(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



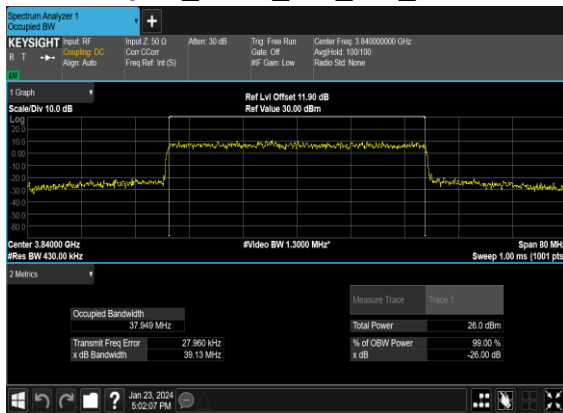
N77(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



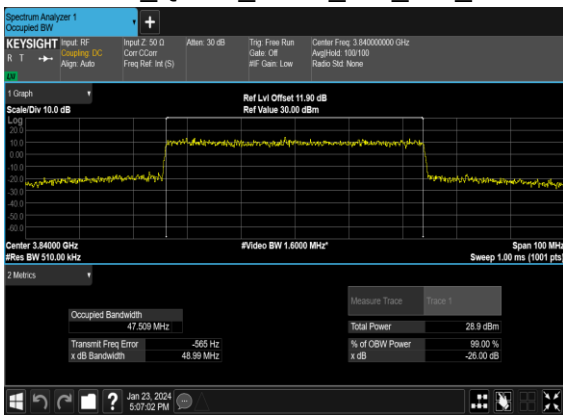
N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



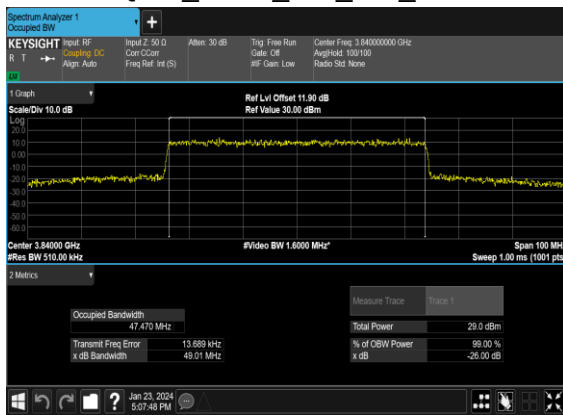
N77(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



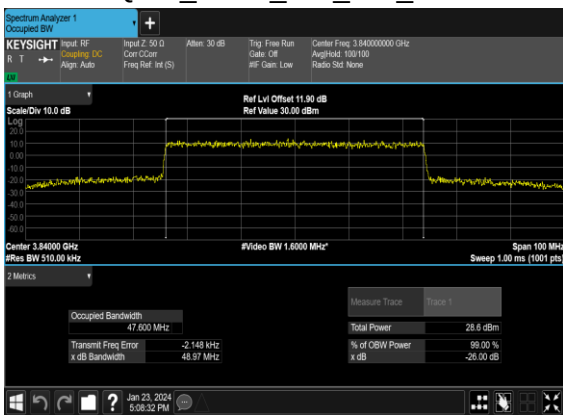
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



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

