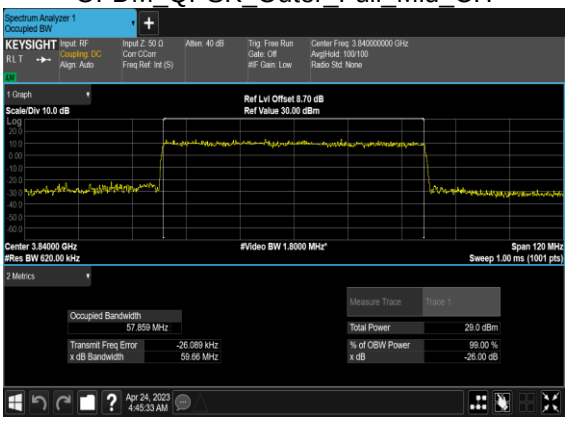
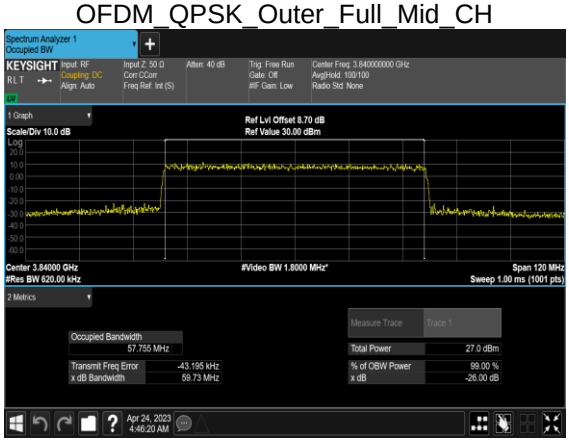
N77(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

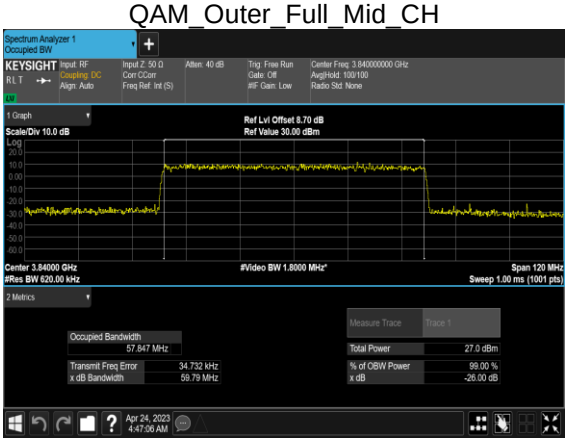
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



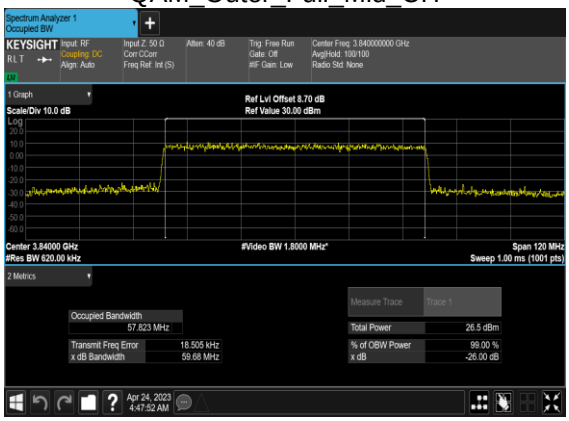
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



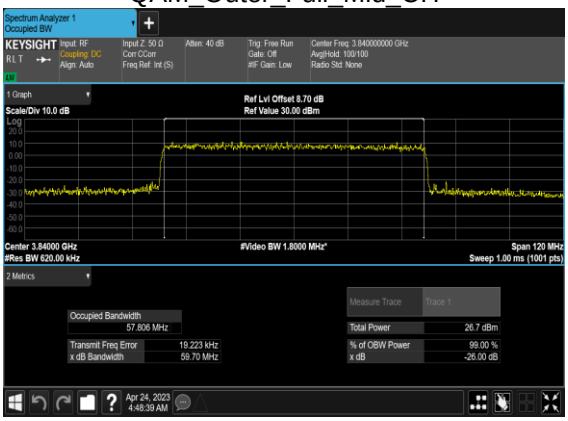
N77(60M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



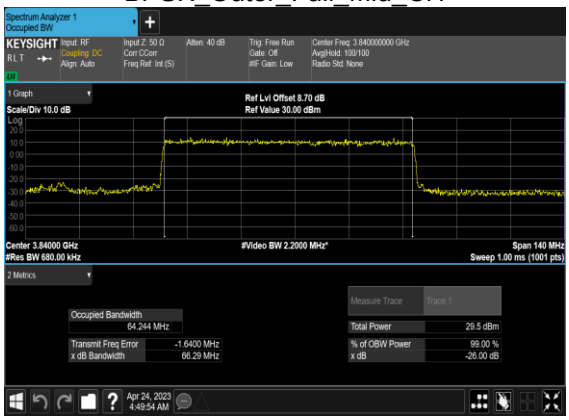
N77(60M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



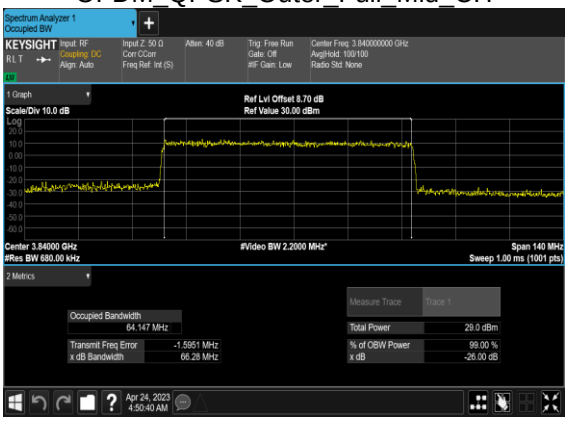
N77(60M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



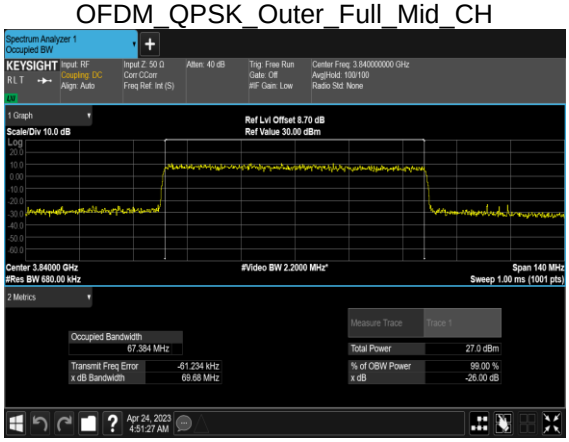
N77(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



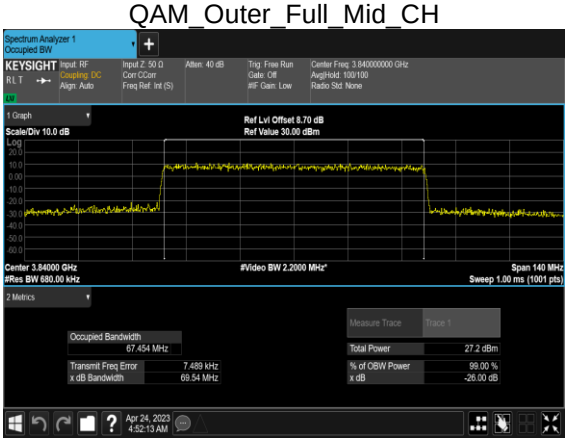
N77(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



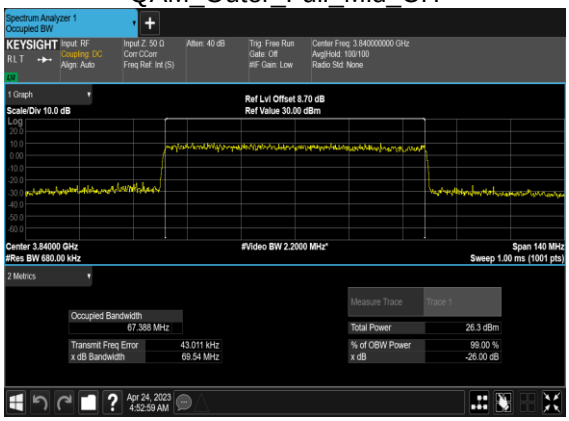
N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



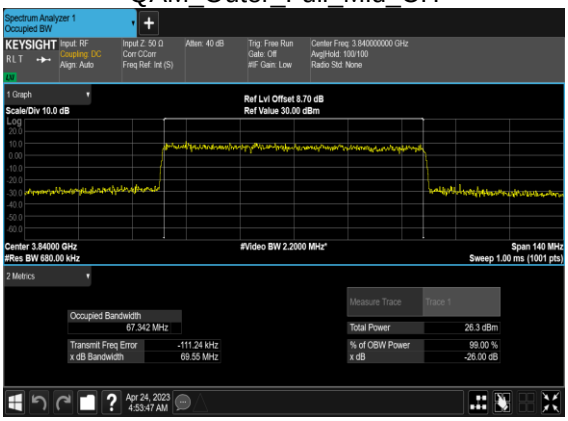
N77(70M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



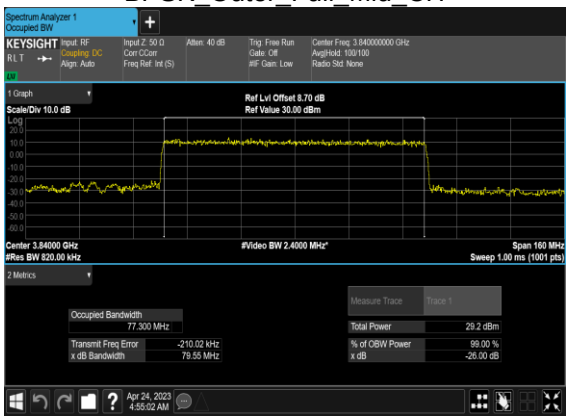
N77(70M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



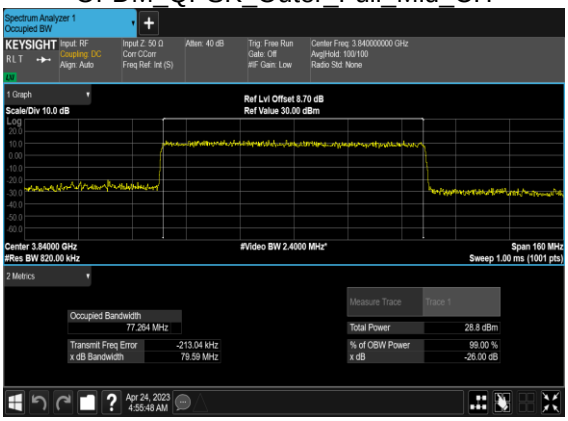
N77(70M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



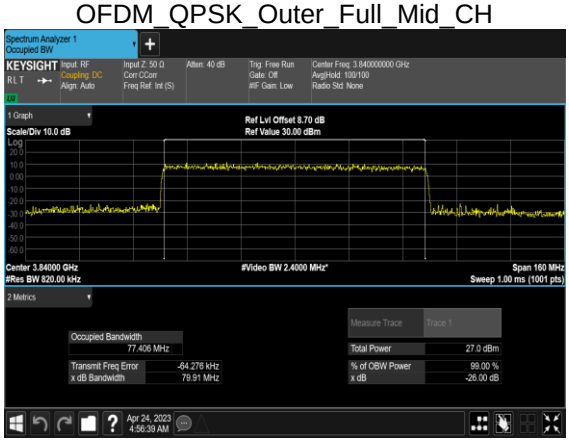
N77(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



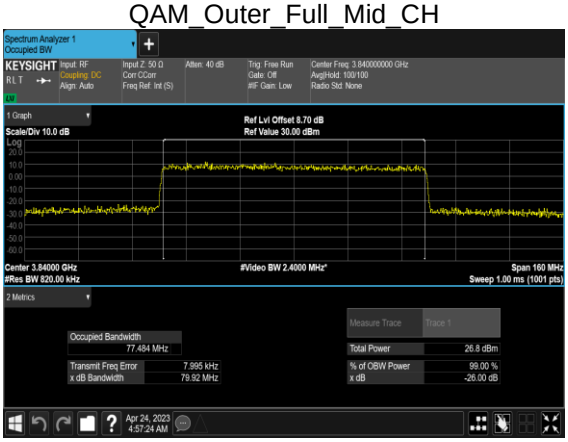
N77(80M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

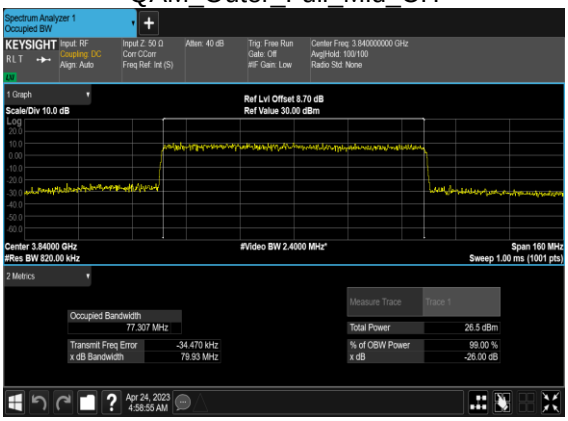


N77(80M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

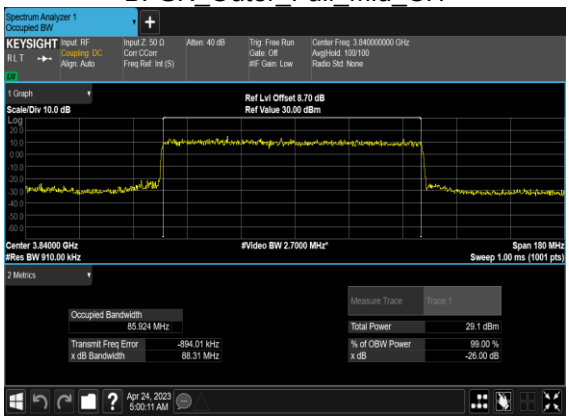


N77(80M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

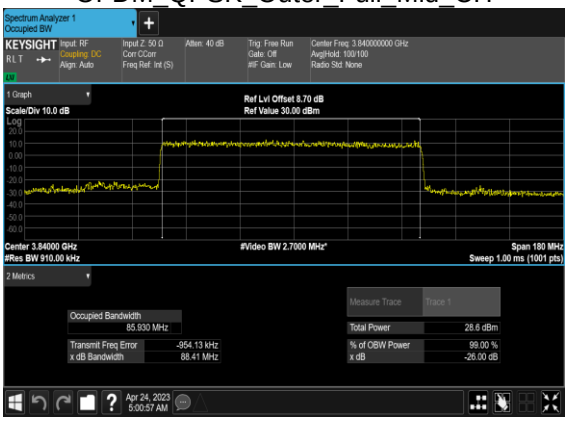
N77(80M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



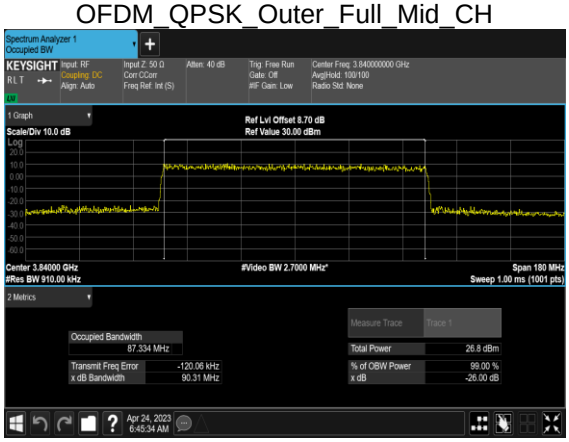
N77(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



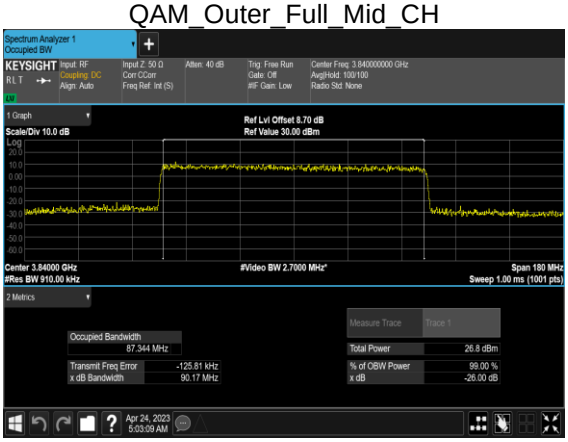
N77(90M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



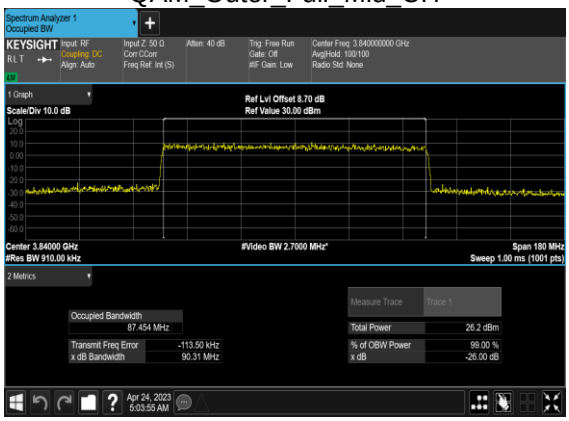
N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



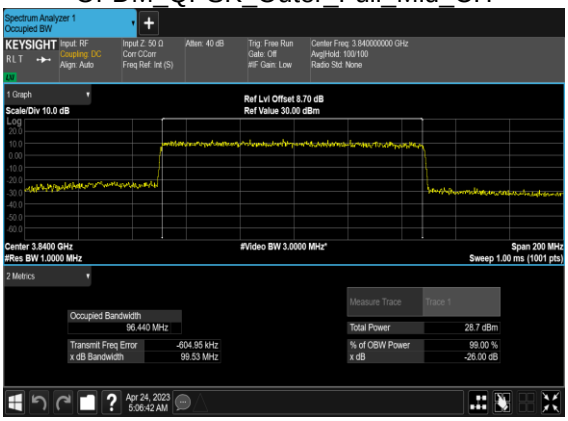
N77(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



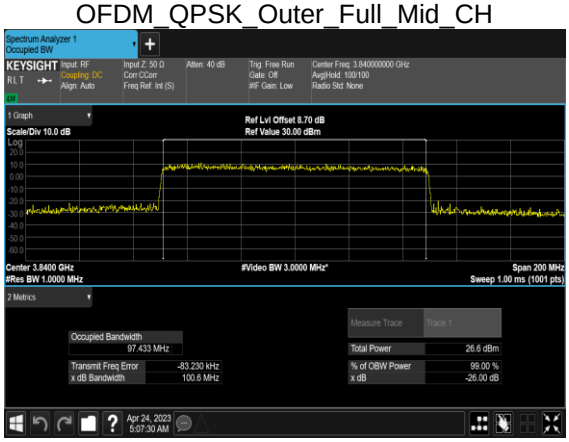
N77(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

N77(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

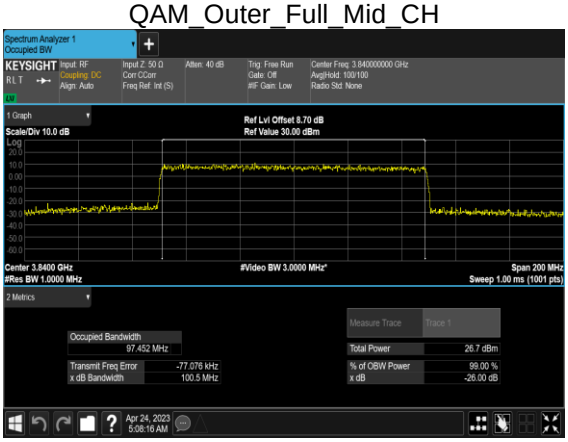
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



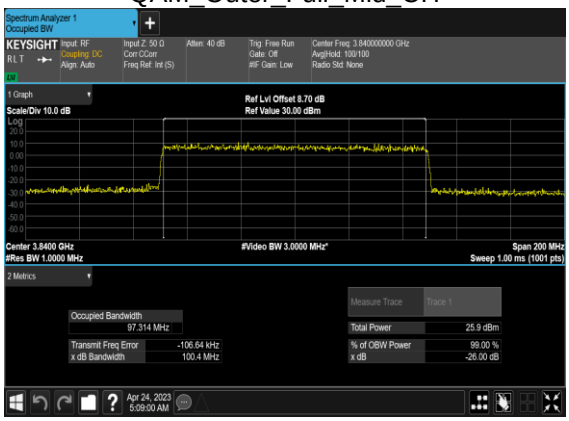
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



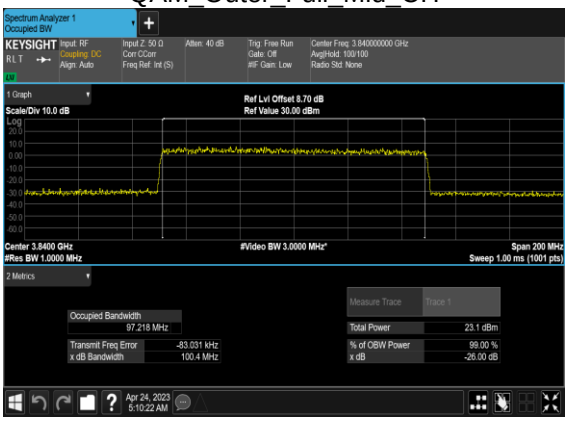
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



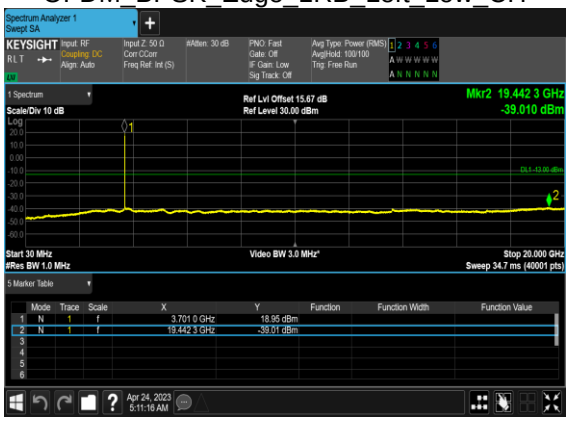
Conducted Spurious Emissions

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	**---**

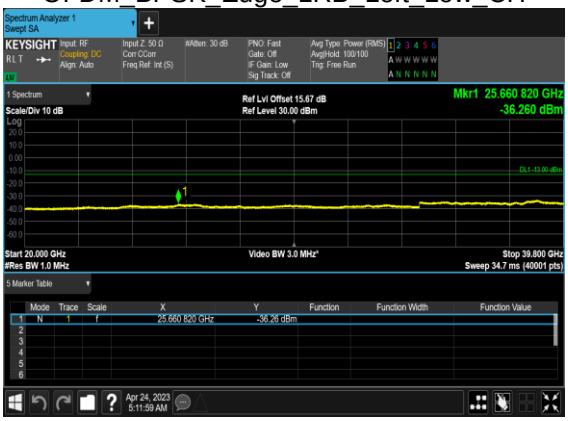
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**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	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	656000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	656000	3750.0	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**

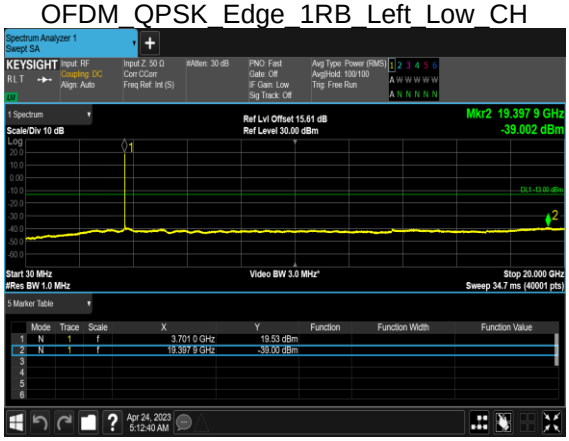
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



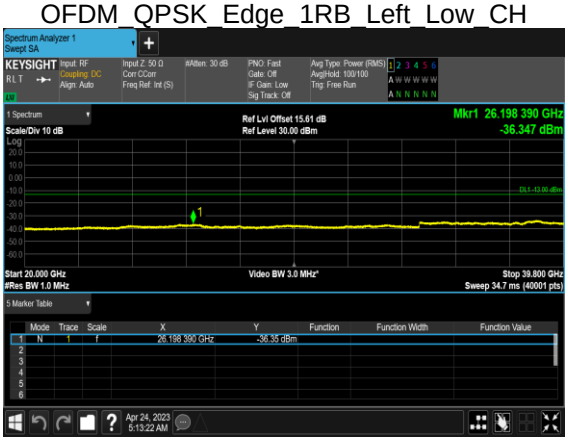
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



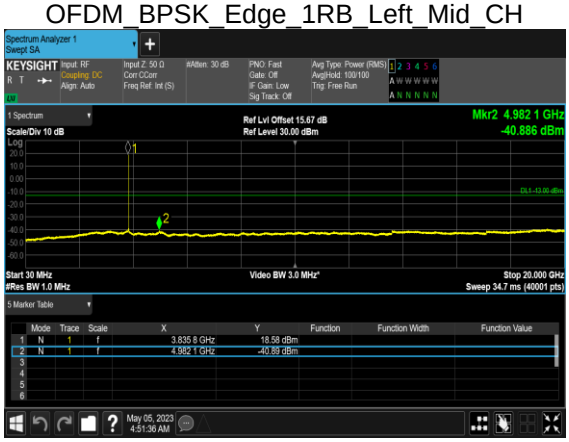
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



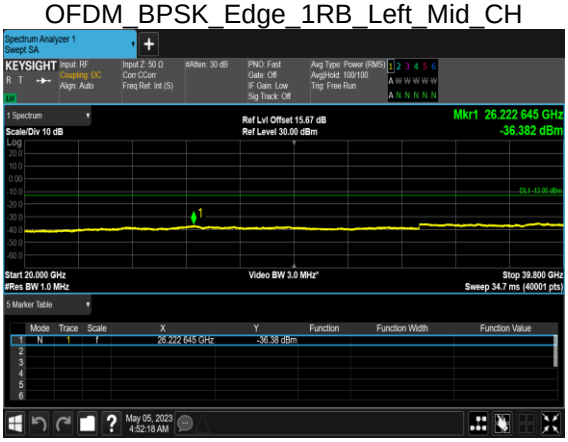
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



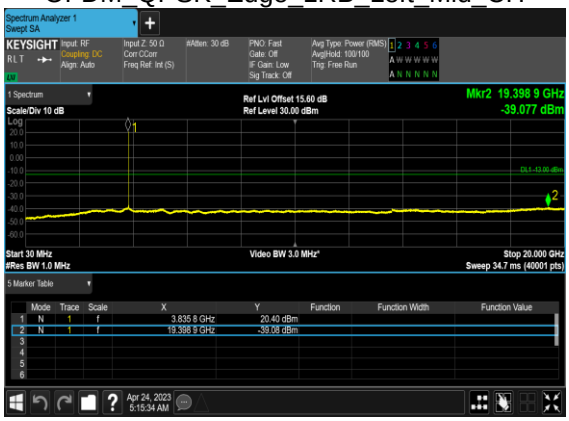
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



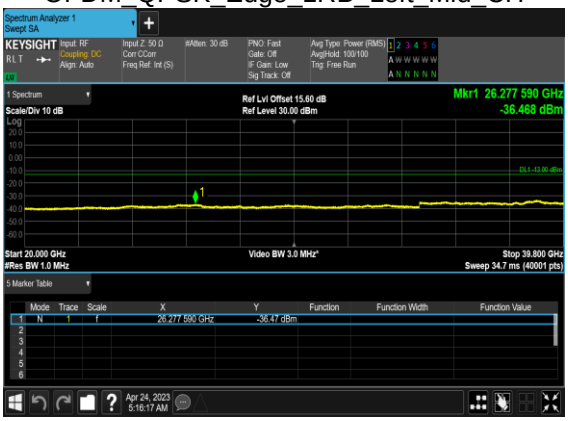
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



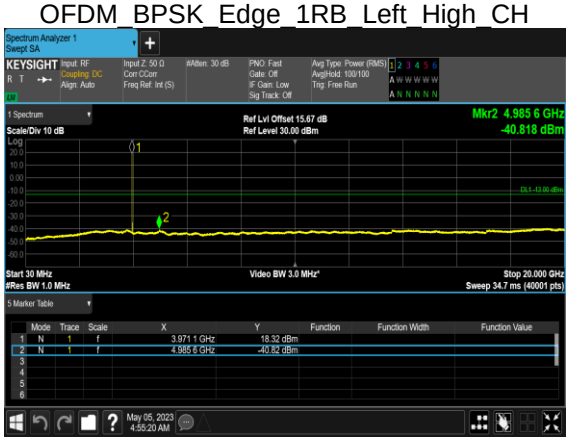
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



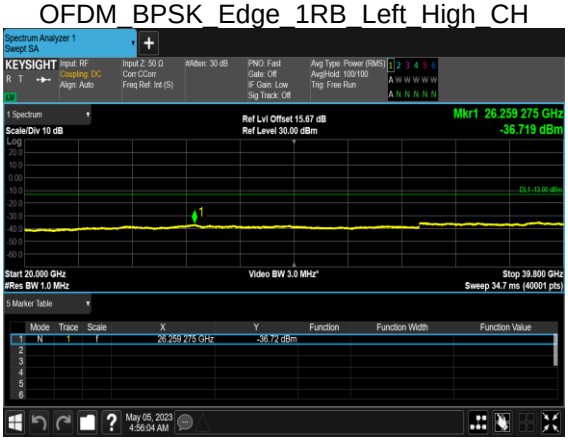
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



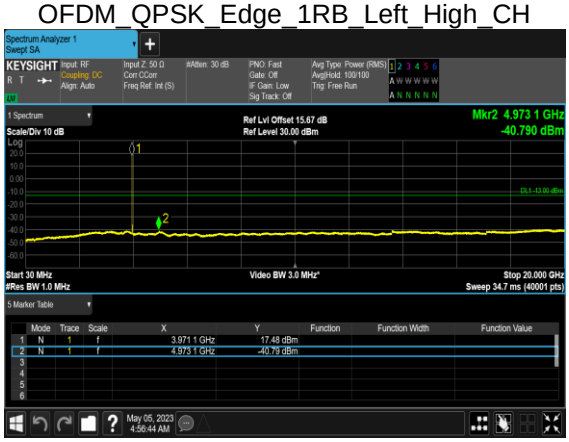
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



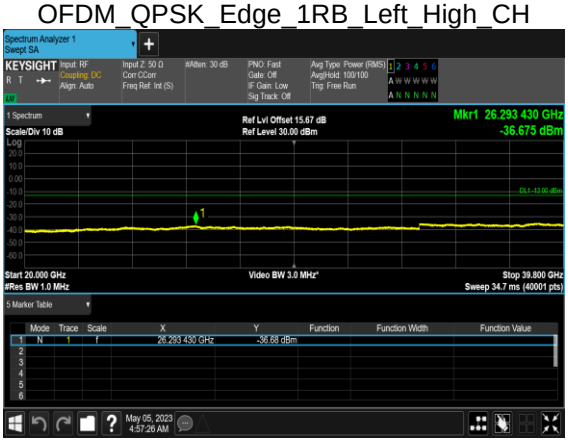
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



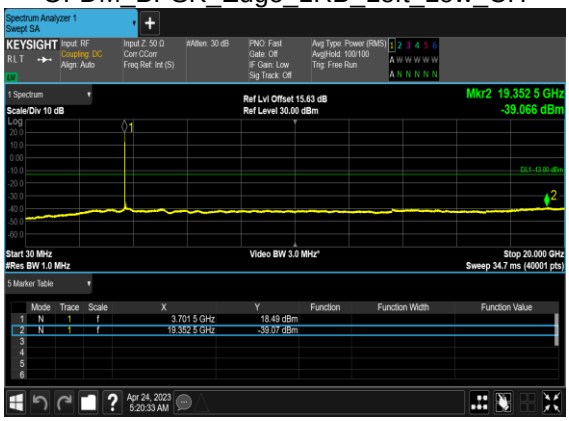
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



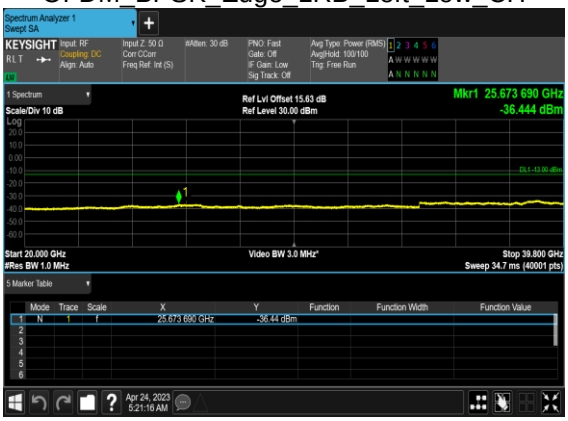
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



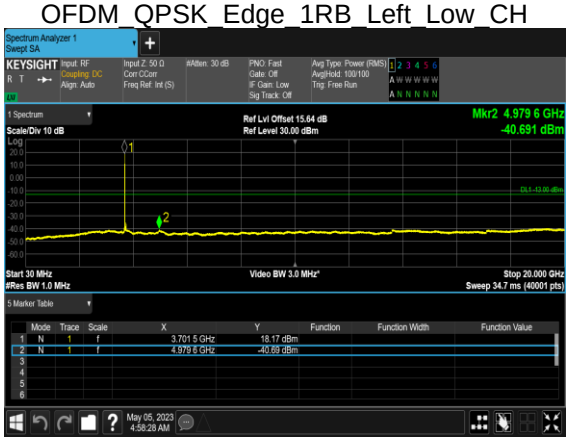
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



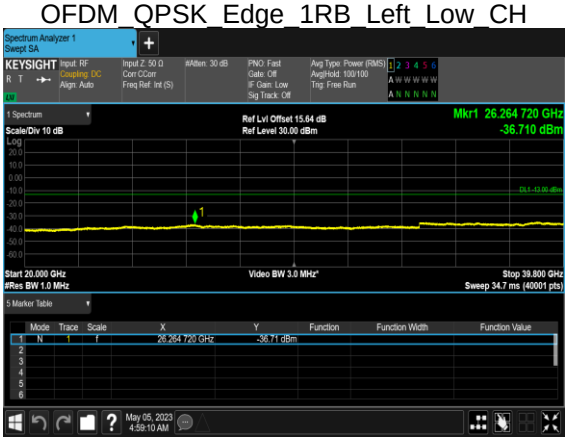
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



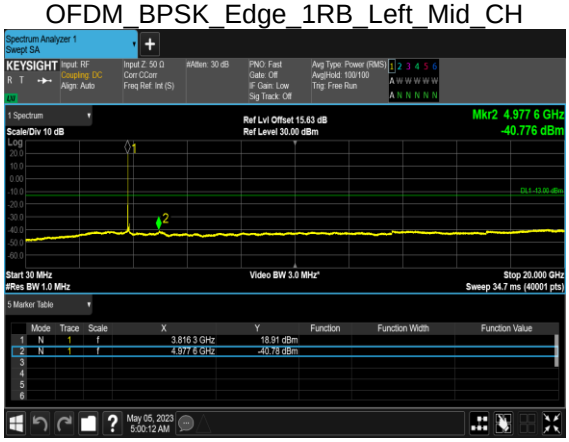
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



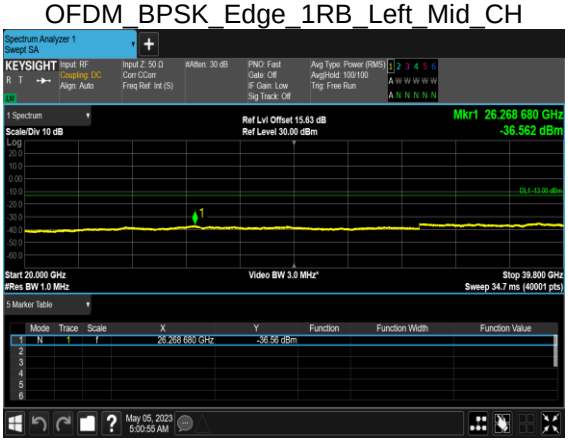
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

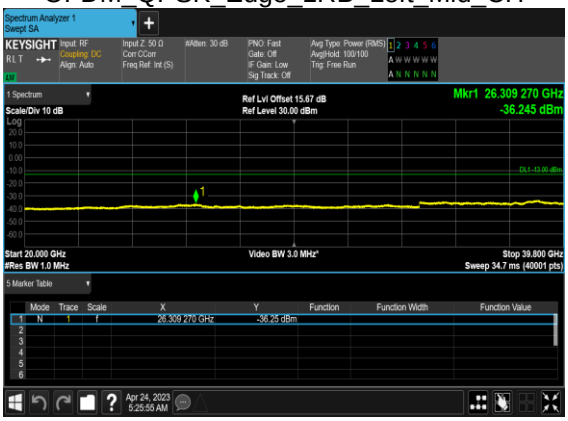


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

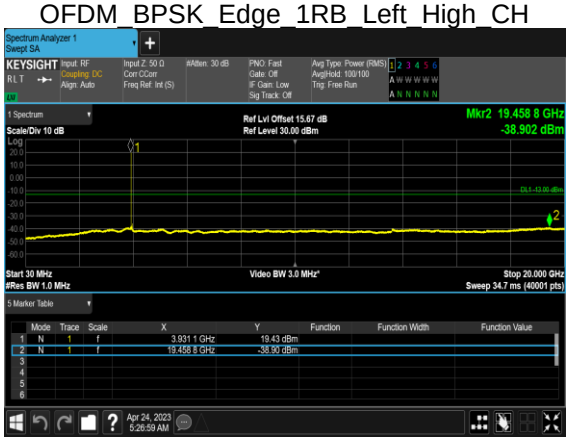


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

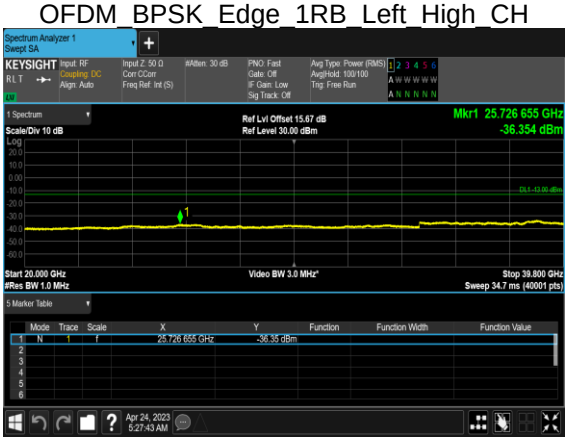
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



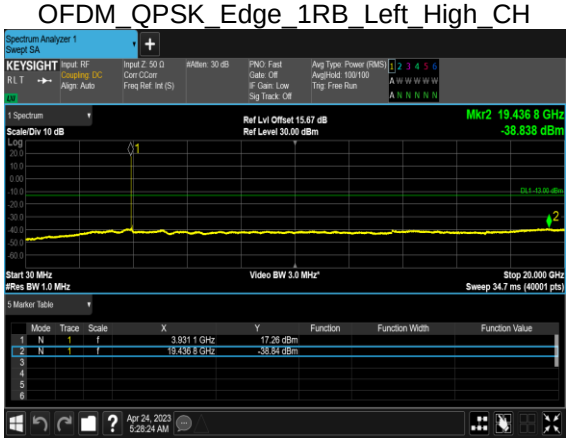
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



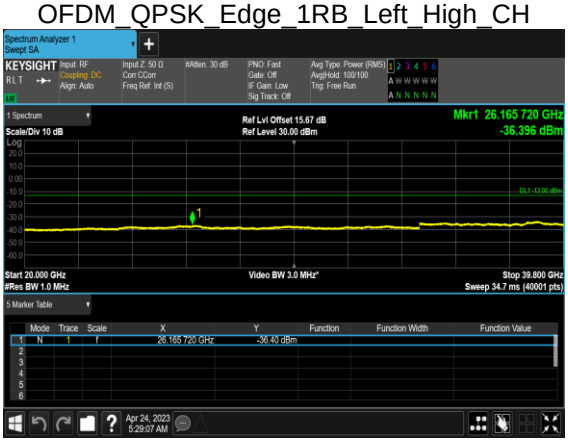
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



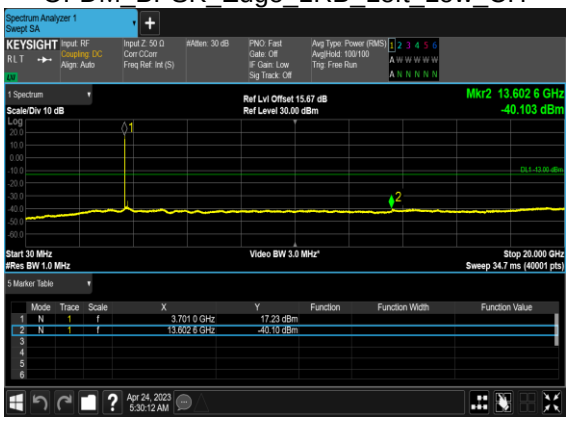
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



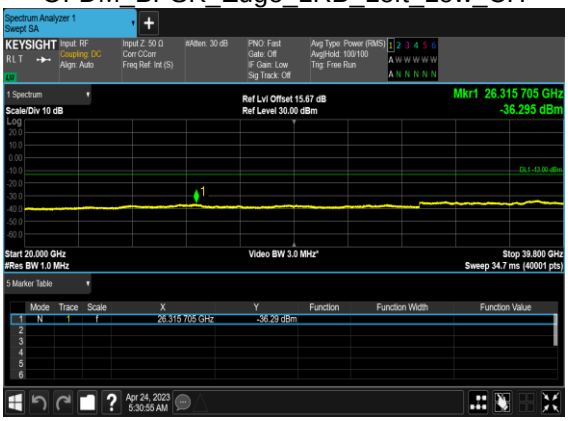
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



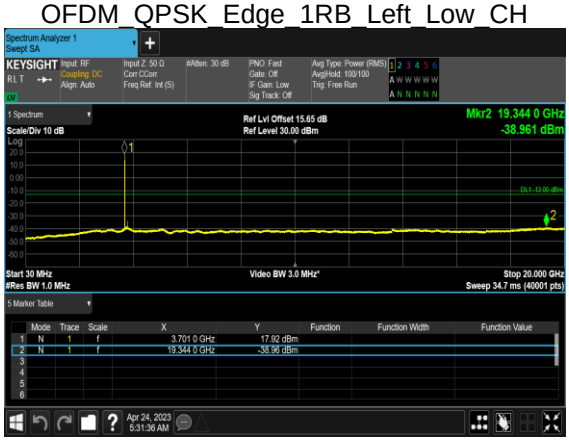
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



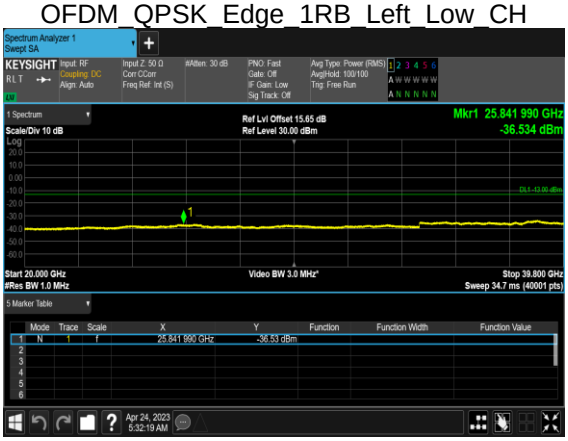
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



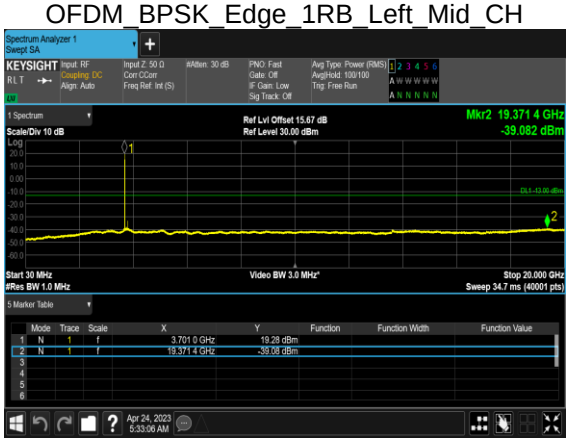
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



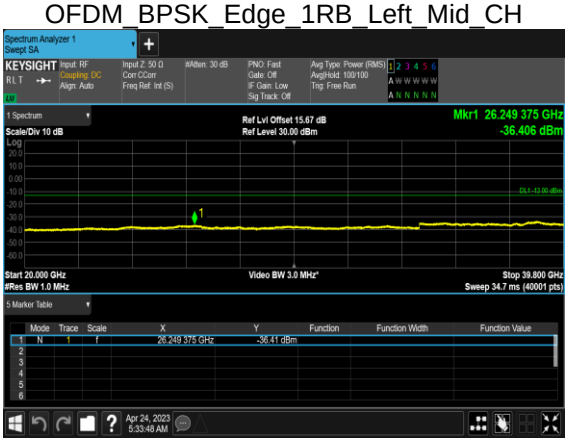
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



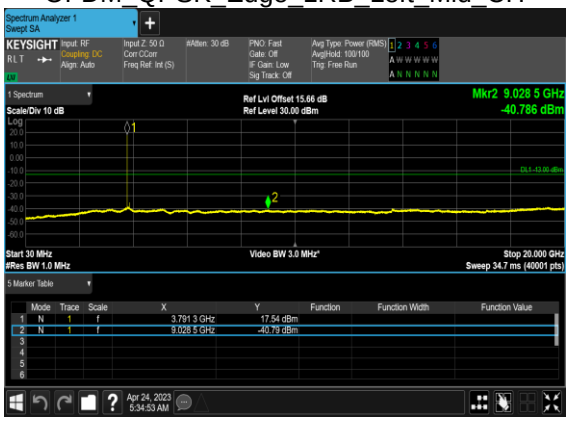
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



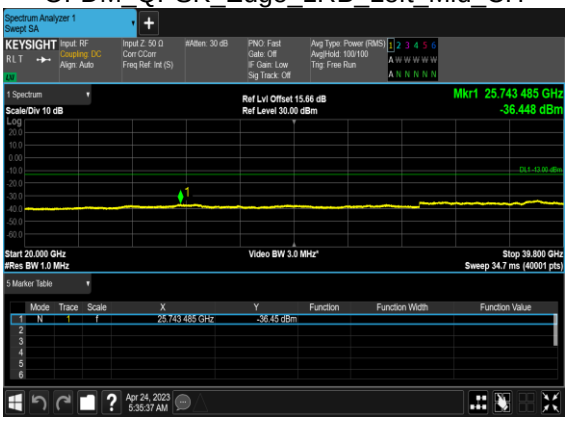
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



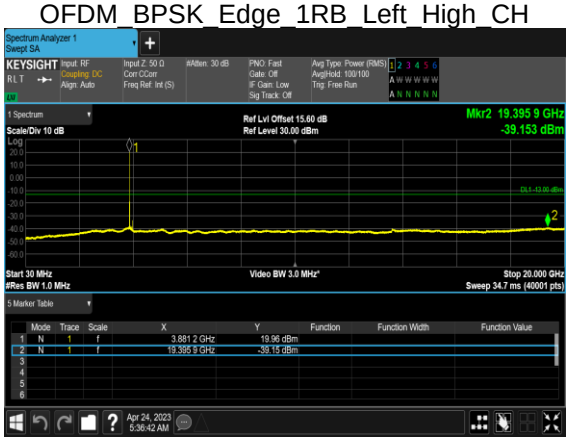
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



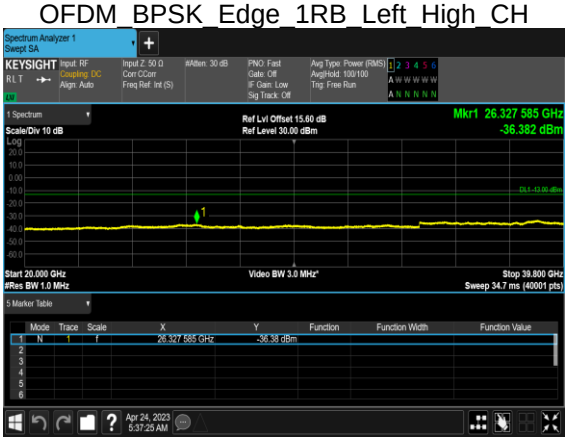
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



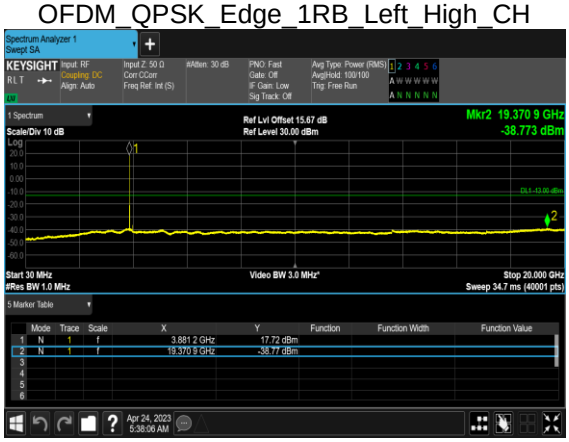
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



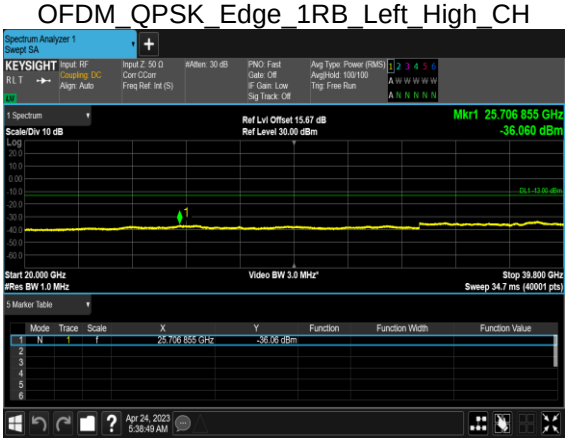
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



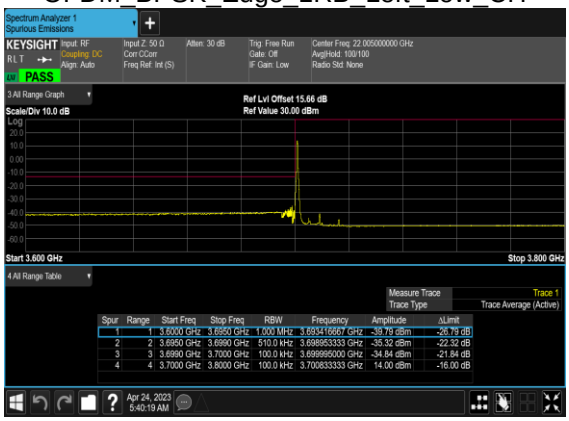
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



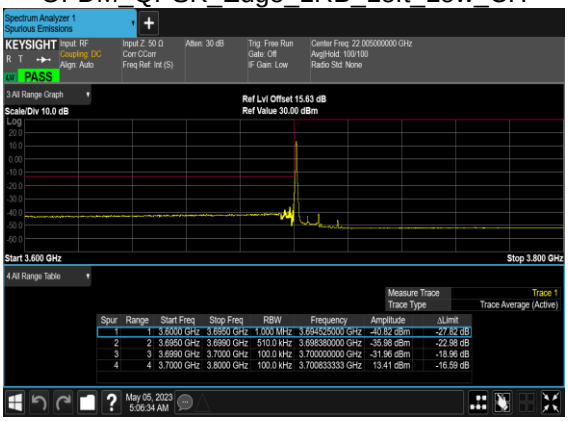
Conducted Band Edge

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**

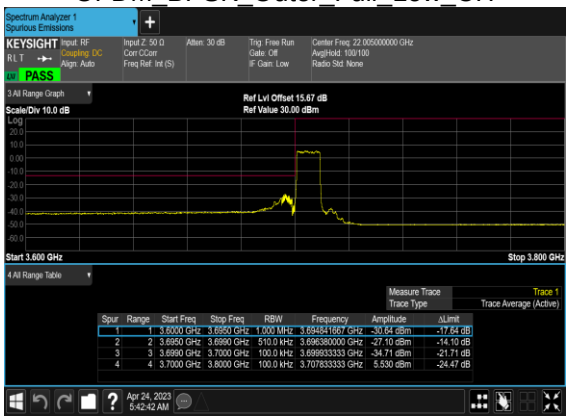
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



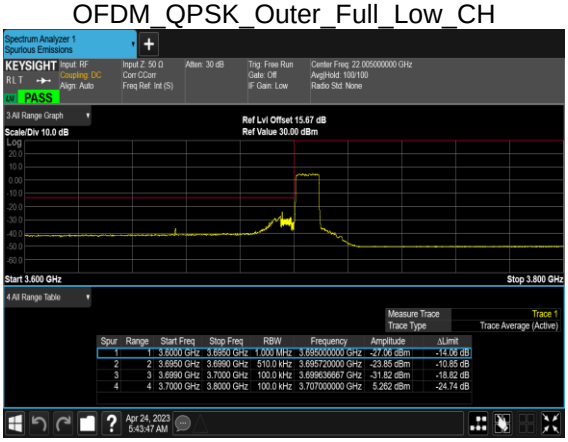
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



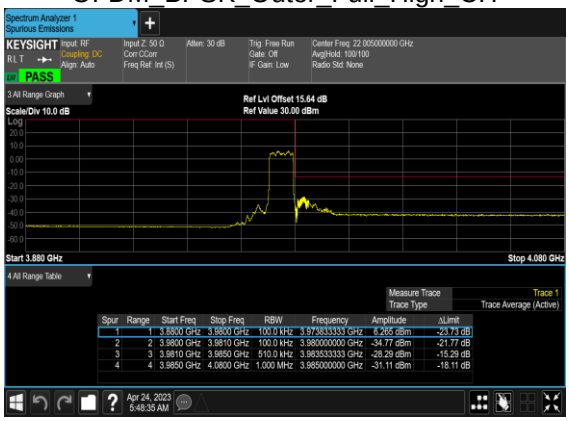
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



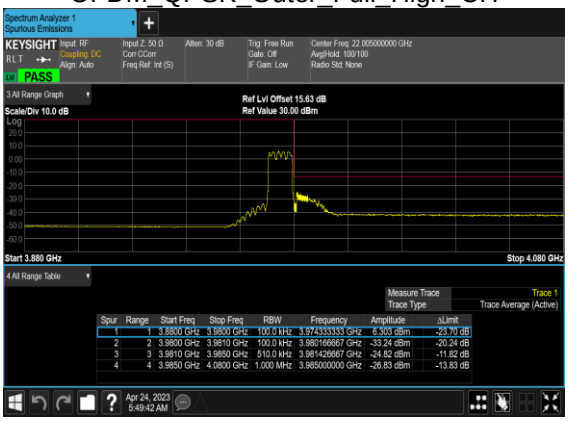
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

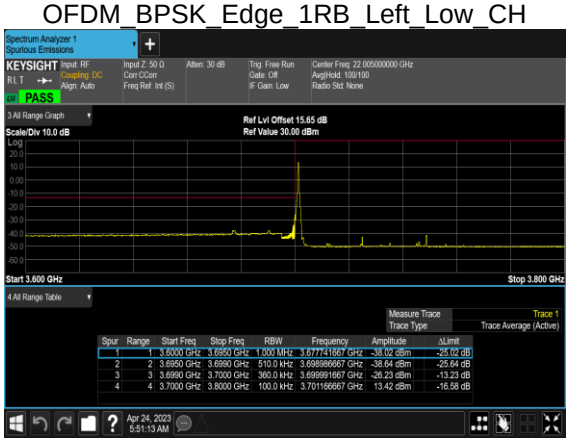
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



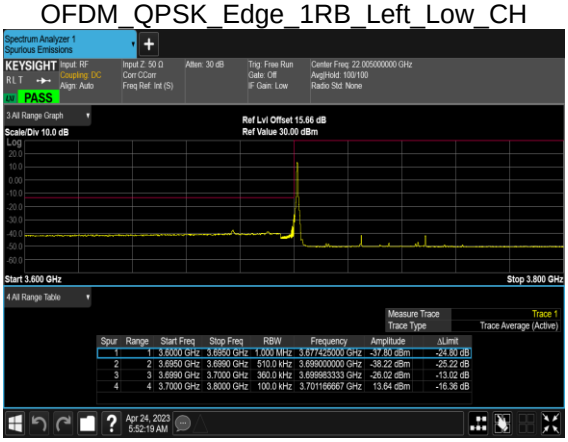
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



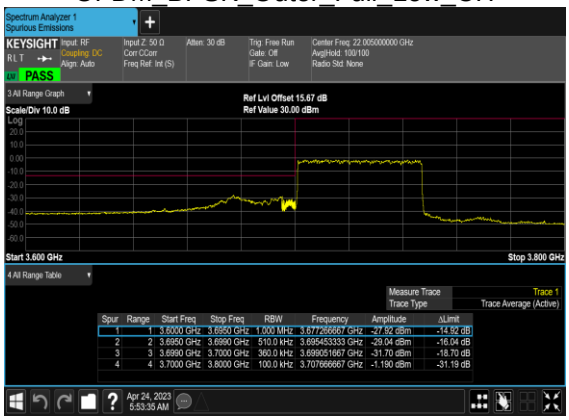
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



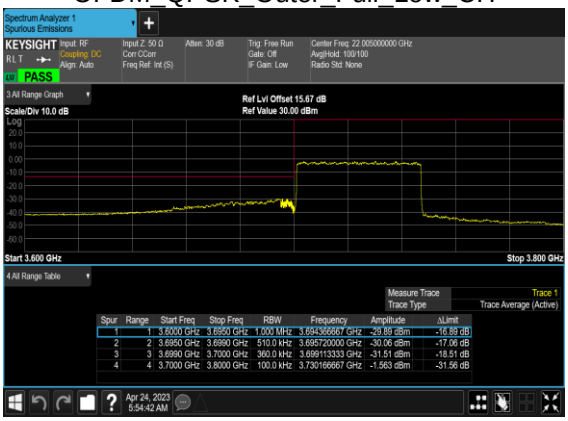
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



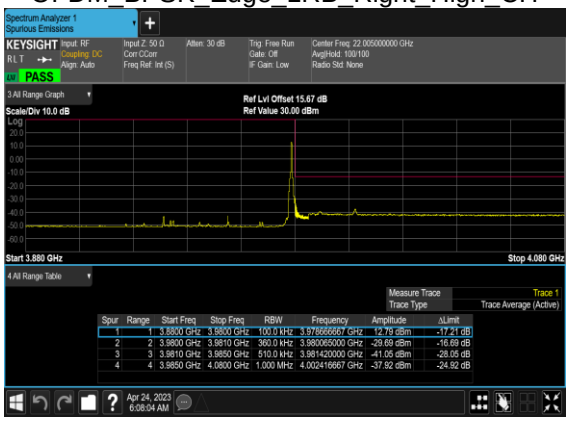
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

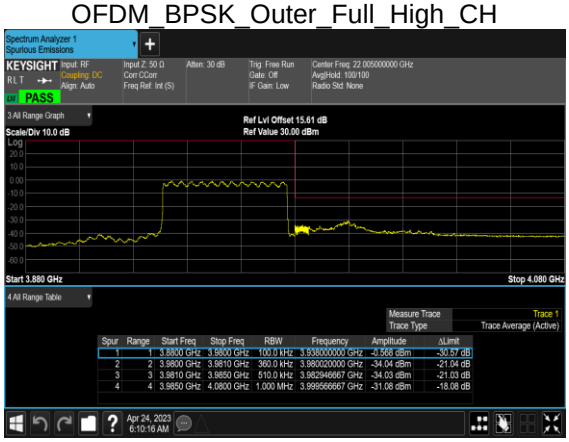


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

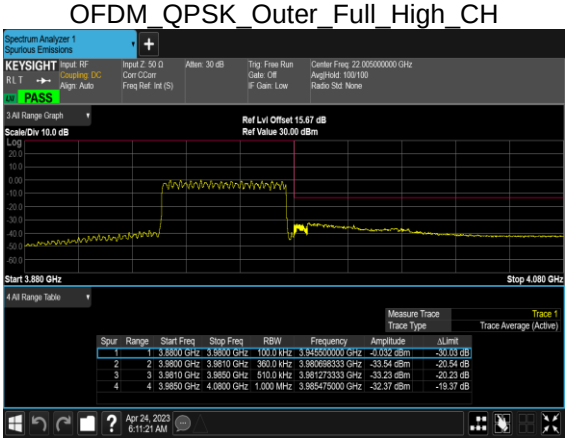


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

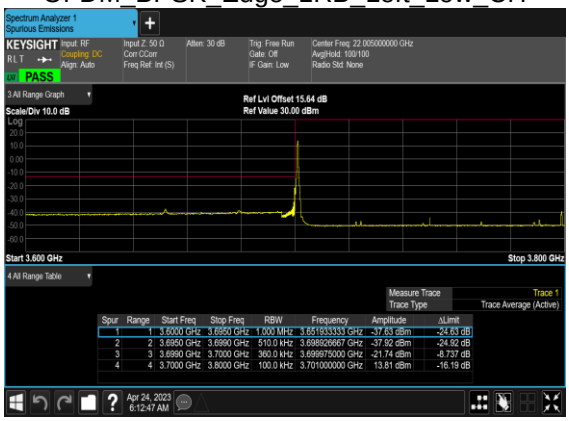
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



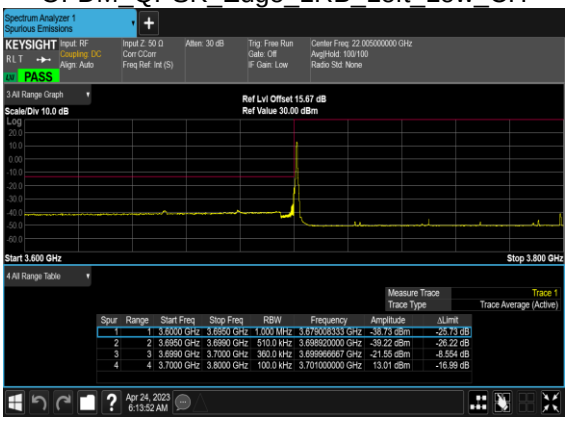
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



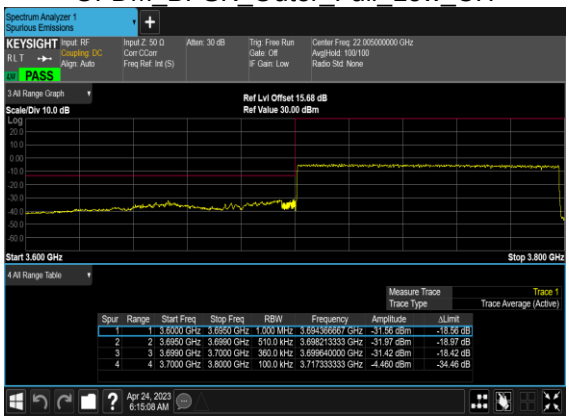
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



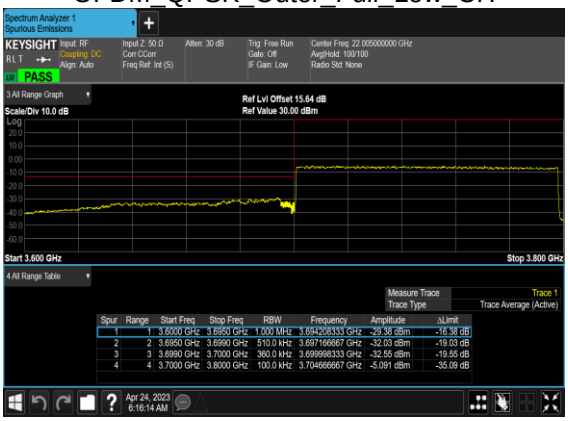
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



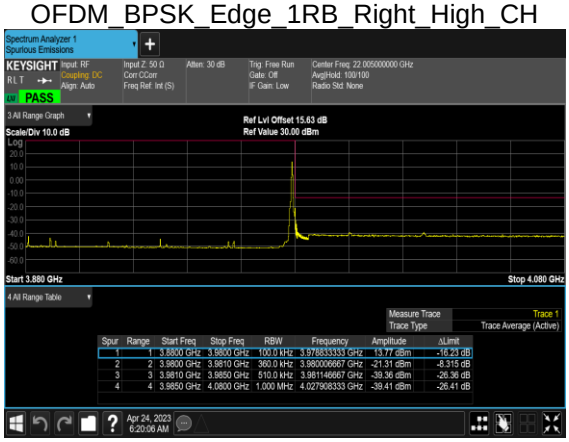
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



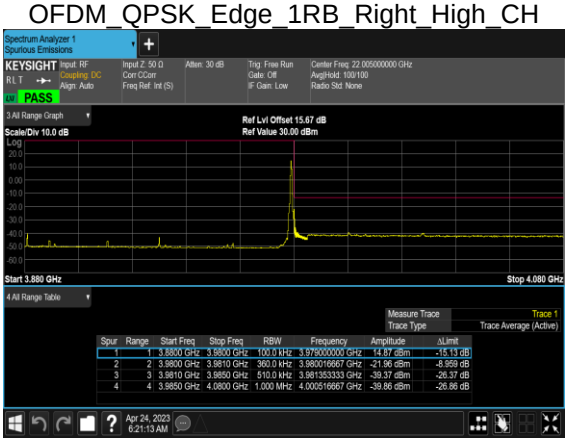
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



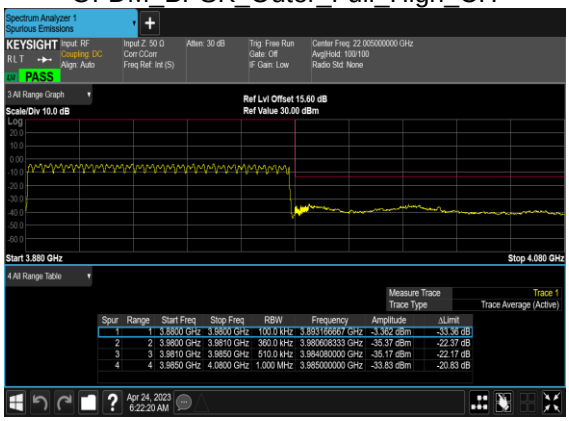
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



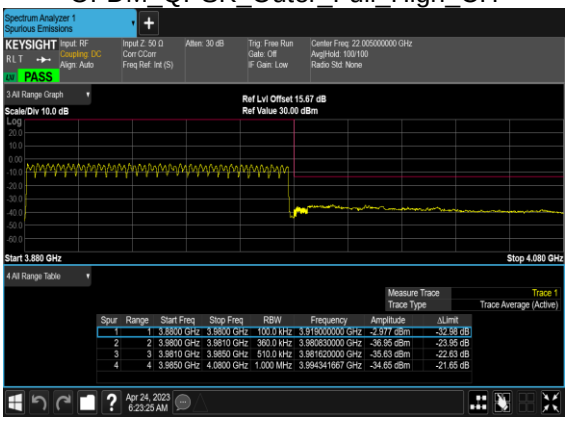
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.04.2801

FR1 N77 UL MIMO-SCS 30K(ANT0+1)

Transmitter Conducted Output Power and EIRP, (G_T - L_C)=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	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	25.77	26.44	29.13	47.14	51.7607
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	24.7	25.35	28.05	46.06	40.3645
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@1	25.8	26.12	28.97	46.98	49.8884
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.87	25	27.95	45.96	39.4457
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@1	25.96	26.54	29.27	47.28	53.4564
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	24.96	25.49	28.24	46.25	42.1697
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	25.69	26.45	29.10	47.11	51.4044
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.69	25.39	28.06	46.07	40.4576
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@1	25.81	26.21	29.02	47.03	50.4661
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.85	25.03	27.95	45.96	39.4457
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	25.91	26.41	29.18	47.19	52.3600
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	24.81	25.33	28.09	46.1	40.7380
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.69	26.35	29.04	47.05	50.6991
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.67	25.35	28.03	46.04	40.1791
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	25.9	26.07	29.00	47.01	50.2343
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.89	24.98	27.95	45.96	39.4457
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	25.82	26.42	29.14	47.15	51.8800
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	24.86	25.44	28.17	46.18	41.4954
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	25.66	26.28	28.99	47	50.1187
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	24.67	25.25	27.98	45.99	39.7192
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@1	25.89	25.99	28.95	46.96	49.6592
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.85	24.92	27.90	45.91	38.9942
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	25.89	26.45	29.19	47.2	52.4807
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	24.82	25.41	28.14	46.15	41.2098
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.73	26.35	29.06	47.07	50.9331
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.72	25.27	28.01	46.02	39.9945
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@1	25.92	25.97	28.96	46.97	49.7737
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.84	24.89	27.88	45.89	38.8150
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	25.75	26.39	29.09	47.1	51.2861

77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	24.74	25.33	28.06	46.07	40.4576
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.64	26.28	28.98	46.99	50.0035
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.67	25.21	27.96	45.97	39.5367
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	25.89	26	28.96	46.97	49.7737
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.86	24.91	27.90	45.91	38.9942
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	25.83	26.5	29.19	47.2	52.4807
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	24.85	25.53	28.21	46.22	41.8794
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.69	26.34	29.04	47.05	50.6991
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.67	25.34	28.03	46.04	40.1791
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	25.81	25.99	28.91	46.92	49.2040
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.81	24.94	27.89	45.9	38.9045
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	25.83	26.46	29.17	47.18	52.2396
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	24.85	25.36	28.12	46.13	41.0204
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.63	26.27	28.97	46.98	49.8884
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.61	25.24	27.95	45.96	39.4457
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	25.84	26	28.93	46.94	49.4311
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.82	24.95	27.90	45.91	38.9942
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	25.82	26.39	29.12	47.13	51.6416
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	24.81	25.35	28.10	46.11	40.8319
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.7	26.32	29.03	47.04	50.5825
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.76	25.38	28.09	46.1	40.7380
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@1	25.85	26.15	29.01	47.02	50.3501
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.76	25.11	27.95	45.96	39.4457
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@1	25.92	26.47	29.21	47.22	52.7230
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@1	24.87	25.36	28.13	46.14	41.1150
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.72	26.29	29.02	47.03	50.4661
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.61	25.36	28.01	46.02	39.9945
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	25.87	26.2	29.05	47.06	50.8159
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.82	25.12	27.98	45.99	39.7192
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	25.87	26.4	29.15	47.16	51.9996
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	24.92	25.29	28.12	46.13	41.0204
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.76	26.43	29.12	47.13	51.6416
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.69	25.34	28.04	46.05	40.2717
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	25.73	26.2	28.98	46.99	50.0035
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.78	25.17	27.99	46	39.8107

77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	25.98	26.2	29.10	47.11	51.4044
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	24.91	25.19	28.06	46.07	40.4576
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.79	26.58	29.21	47.22	52.7230
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.63	26.36	29.02	47.03	50.4661
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.71	26.28	29.01	47.02	50.3501
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.79	26.59	29.22	47.23	52.8445
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.62	26.32	28.99	47	50.1187
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	25.65	26.19	28.94	46.95	49.5450
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.77	25.56	28.19	46.2	41.6869
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.77	25.51	28.17	46.18	41.4954
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	24.8	25.35	28.09	46.1	40.7380
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.84	23.65	26.27	44.28	26.7917
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.8	23.56	26.21	44.22	26.4241
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.85	23.45	26.17	44.18	26.1818
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.46	21.16	23.83	41.84	15.2757
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.42	21.14	23.81	41.82	15.2055
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.53	21.14	23.86	41.87	15.3815
77	30	100	650000	3750	CP-OFDM QPSK	137@68	24.23	24.83	27.55	45.56	35.9749
77	30	100	650000	3750	CP-OFDM QPSK	1@1	24.2	24.81	27.53	45.54	35.8096
77	30	100	650000	3750	CP-OFDM QPSK	1@271	24.13	24.65	27.41	45.42	34.8337
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	25.95	26.12	29.05	47.06	50.8159
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.79	26.2	29.01	47.02	50.3501
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	25.67	26.16	28.93	46.94	49.4311
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	25.99	26.14	29.08	47.09	51.1682
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	25.76	26.22	29.01	47.02	50.3501
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	25.64	26.03	28.85	46.86	48.5289
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	24.97	25.08	28.04	46.05	40.2717
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.94	25.4	28.19	46.2	41.6869
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	24.81	25.2	28.02	46.03	40.0867
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	23.01	23.19	26.11	44.12	25.8226
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.94	23.44	26.21	44.22	26.4241
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	22.81	23.24	26.04	44.05	25.4097
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	20.73	21.16	23.96	41.97	15.7398
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.56	21.06	23.83	41.84	15.2757
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	20.47	20.89	23.70	41.71	14.8252

77	30	100	656000	3840	CP-OFDM QPSK	137@68	24.23	24.76	27.51	45.52	35.6451
77	30	100	656000	3840	CP-OFDM QPSK	1@1	24.34	24.82	27.60	45.61	36.3915
77	30	100	656000	3840	CP-OFDM QPSK	1@271	24.2	24.56	27.39	45.4	34.6737
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	25.87	26.53	29.22	47.23	52.8445
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	26.01	26.5	29.27	47.28	53.4564
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	25.91	26.49	29.22	47.23	52.8445
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	25.95	26.52	29.25	47.26	53.2108
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	25.99	26.25	29.13	47.14	51.7607
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	25.84	26.45	29.17	47.18	52.2396
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	135@67	24.93	25.54	28.26	46.27	42.3643
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	25.04	25.28	28.17	46.18	41.4954
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@271	24.87	25.45	28.18	46.19	41.5911
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	135@67	22.92	23.59	26.28	44.29	26.8534
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	23.24	23.51	26.39	44.4	27.5423
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@271	23.16	23.67	26.43	44.44	27.7971
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	135@67	20.87	21.03	23.96	41.97	15.7398
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	20.83	21.09	23.97	41.98	15.7761
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@271	20.67	21.25	23.98	41.99	15.8125
77	30	100	662000	3930	CP-OFDM QPSK	137@68	24.49	24.99	27.76	45.77	37.7572
77	30	100	662000	3930	CP-OFDM QPSK	1@1	24.61	24.86	27.75	45.76	37.6704
77	30	100	662000	3930	CP-OFDM QPSK	1@271	24.36	24.89	27.64	45.65	36.7282

FR1 N77 UL MIMO-SCS 30K(ANT0)

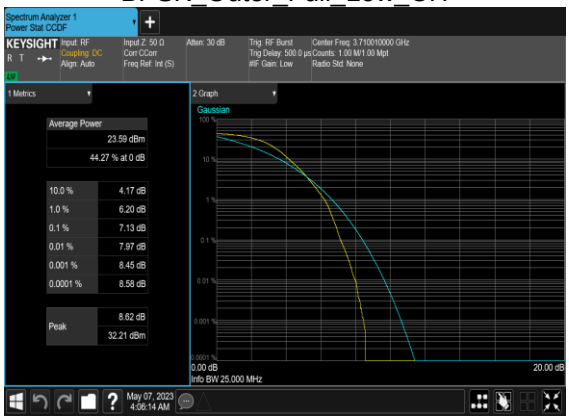
Frequency Stability

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	0.0031	**PASS**	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0032	**PASS**	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0042	**PASS**	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0047	**PASS**	-30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0044	**PASS**	-20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0056	**PASS**	-10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0055	**PASS**	0℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0066	**PASS**	10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0031	**PASS**	20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0038	**PASS**	30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0030	**PASS**	40℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0051	**PASS**	50℃

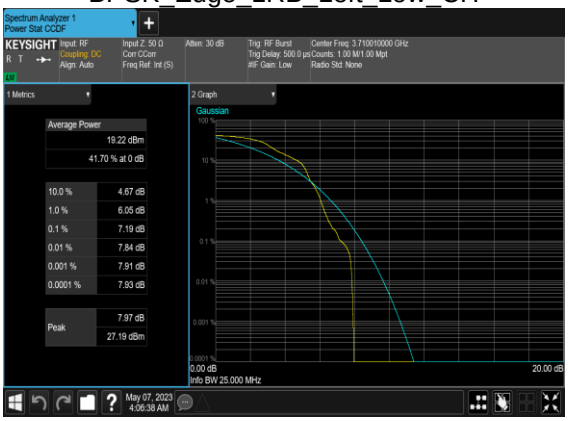
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	7.13	13	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	7.19	13	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	8.43	13	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	8.32	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	7.0	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	7.0	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	8.35	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	8.36	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	50@0	7.06	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@0	7.06	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	8.33	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	7.88	13	**PASS**

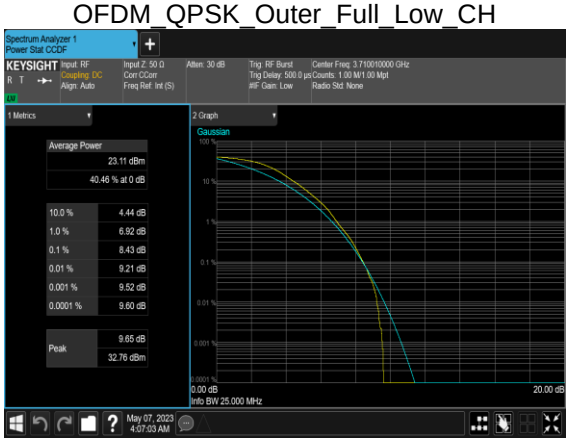
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



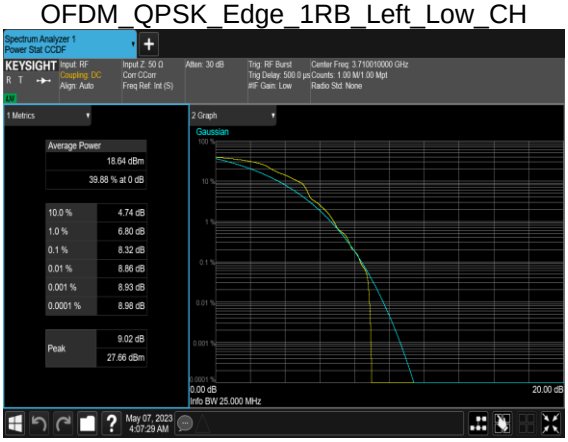
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



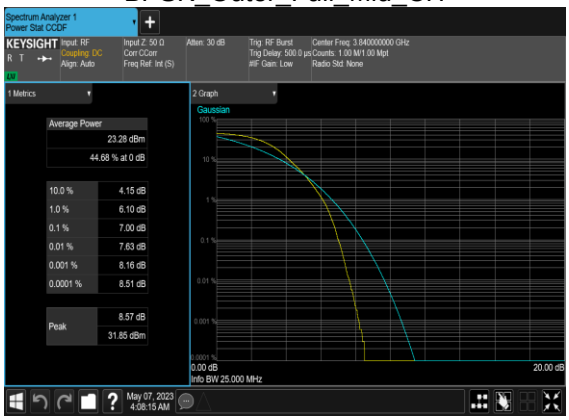
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



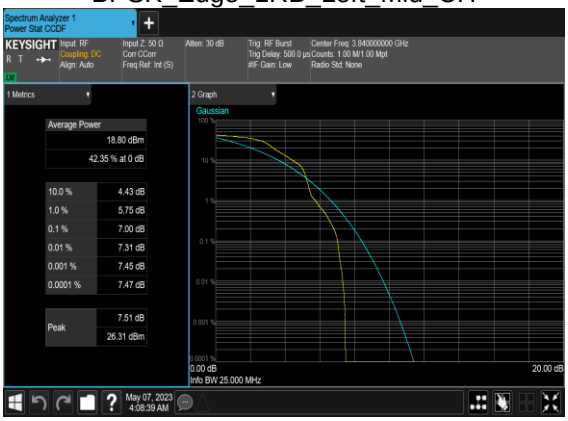
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



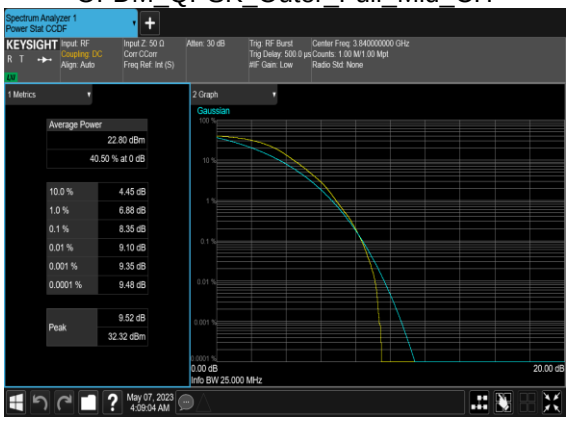
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



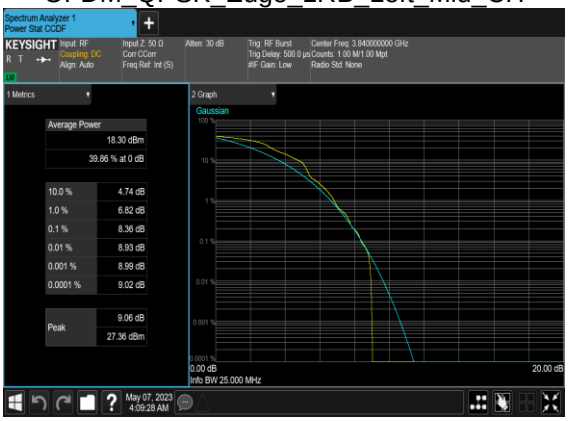
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



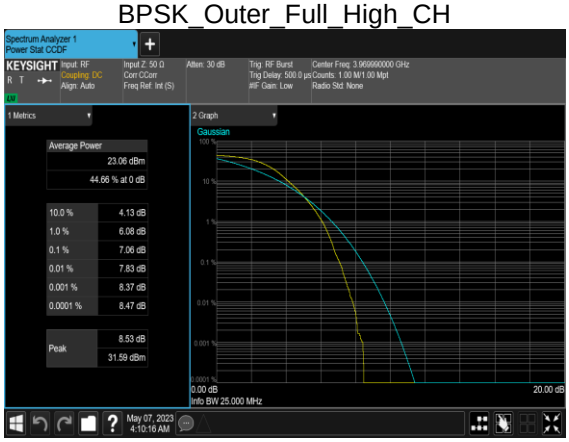
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



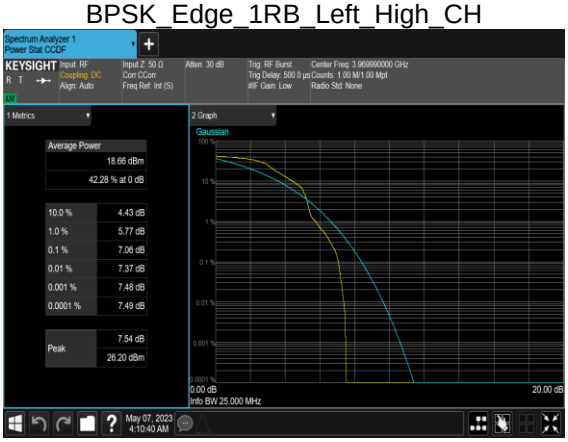
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



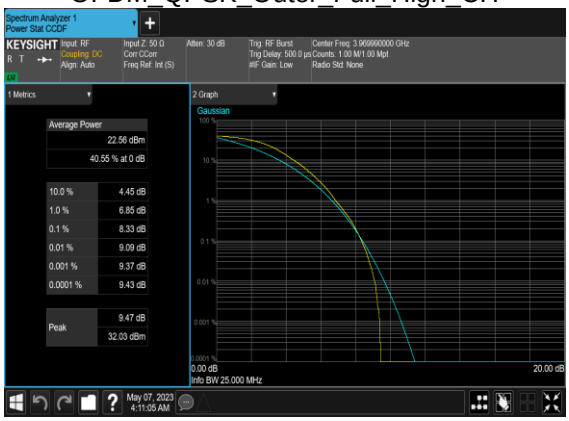
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



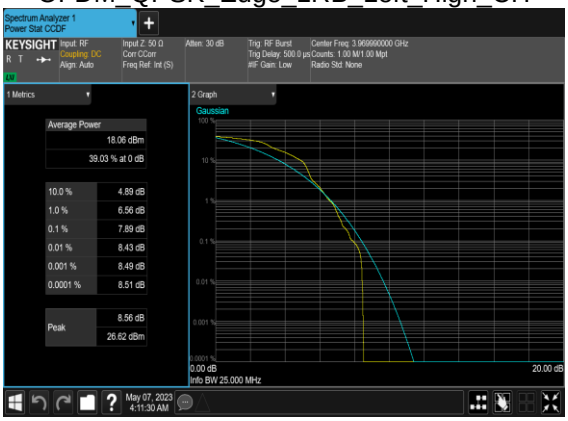
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



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	30	10	656000	3840.0	DFT-s-OFDM PI/2 BPSK	24@0	8.5873	9.255
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	24@0	8.5833	9.126
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5663	9.174
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5732	9.304
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.578	9.119
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5521	9.194
77	30	15	656000	3840.0	DFT-s-OFDM PI/2 BPSK	36@0	12.832	13.55
77	30	15	656000	3840.0	DFT-s-OFDM QPSK	36@0	12.799	13.56
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.573	14.21
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.556	14.19
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.57	14.21
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.526	14.59
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	17.875	18.65
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.793	18.64
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.164	19.02
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.159	18.85
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.162	18.94
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.234	18.97
77	30	25	656000	3840.0	DFT-s-OFDM PI/2 BPSK	64@0	22.858	23.75
77	30	25	656000	3840.0	DFT-s-OFDM QPSK	64@0	22.859	23.77
77	30	25	656000	3840.0	CP-OFDM QPSK	65@0	23.161	23.99
77	30	25	656000	3840.0	CP-OFDM 16 QAM	65@0	23.104	24.19
77	30	25	656000	3840.0	CP-OFDM 64 QAM	65@0	23.093	24.0
77	30	25	656000	3840.0	CP-OFDM 256 QAM	65@0	23.16	24.16
77	30	30	656000	3840.0	DFT-s-OFDM PI/2 BPSK	75@0	26.756	27.93

77	30	30	656000	3840.0	DFT-s-OFDM QPSK	75@0	26.794	27.94
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.761	28.89
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.634	28.85
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.794	29.17
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.841	28.91
77	30	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	35.77	36.98
77	30	40	656000	3840.0	DFT-s-OFDM QPSK	100@0	35.64	37.09
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.777	39.15
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.945	39.17
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.838	39.09
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.717	41.42
77	30	50	656000	3840.0	DFT-s-OFDM PI/2 BPSK	128@0	45.827	47.3
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	128@0	45.705	47.21
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.509	48.98
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.421	49.03
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.391	49.04
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.472	49.02
77	30	60	656000	3840.0	DFT-s-OFDM PI/2 BPSK	162@0	57.776	59.84
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	162@0	57.951	59.7
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.876	59.7
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.812	59.68
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.726	59.67
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.69	59.69
77	30	70	656000	3840.0	DFT-s-OFDM PI/2 BPSK	180@0	64.437	66.37
77	30	70	656000	3840.0	DFT-s-OFDM QPSK	180@0	64.189	66.4
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.405	69.5
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.434	69.55

77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.417	69.55
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.459	69.62
77	30	80	656000	3840.0	DFT-s-OFDM PI/2 BPSK	216@0	77.335	79.58
77	30	80	656000	3840.0	DFT-s-OFDM QPSK	216@0	77.304	79.6
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.474	80.0
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.567	79.94
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.573	79.92
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.247	79.87
77	30	90	656000	3840.0	DFT-s-OFDM PI/2 BPSK	240@0	85.84	88.43
77	30	90	656000	3840.0	DFT-s-OFDM QPSK	240@0	85.72	88.45
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.428	90.18
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.347	90.34
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.179	90.23
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.301	90.16
77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	270@0	96.518	99.42
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	270@0	96.718	99.44
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.52	100.5
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.193	100.4
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.501	100.5
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.378	100.6