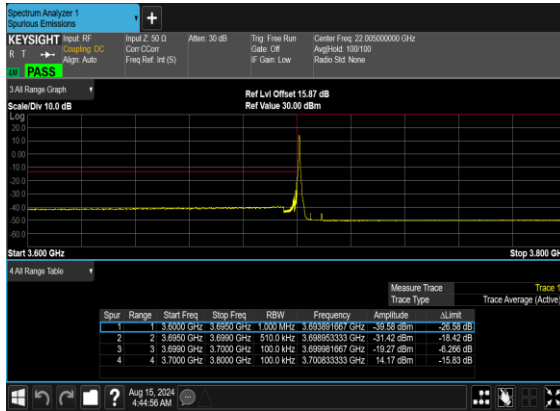
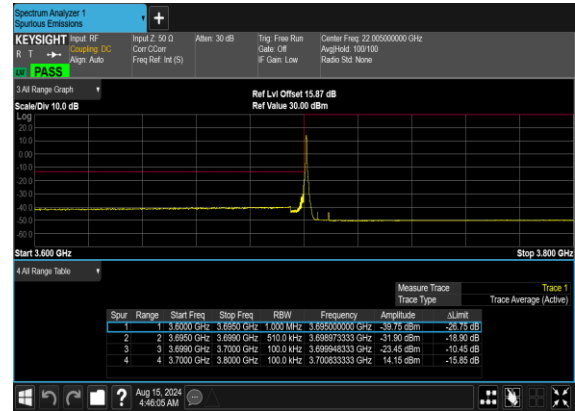




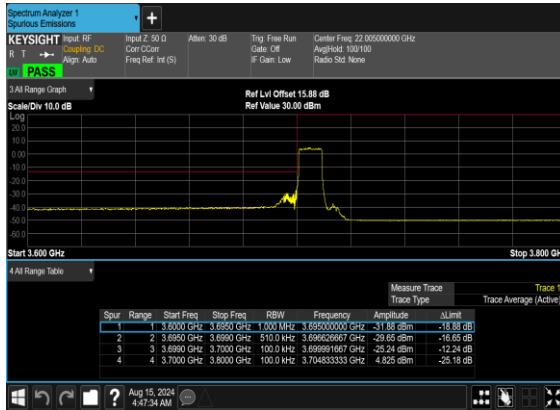
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



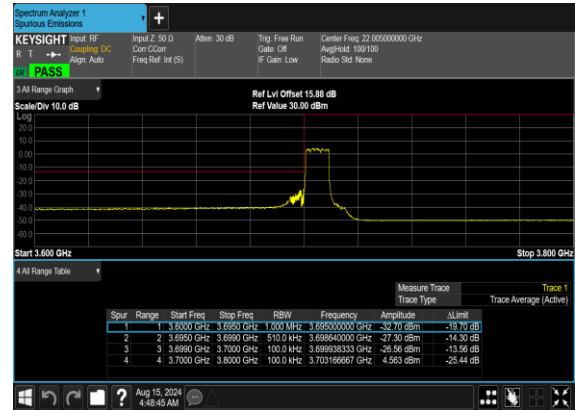
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

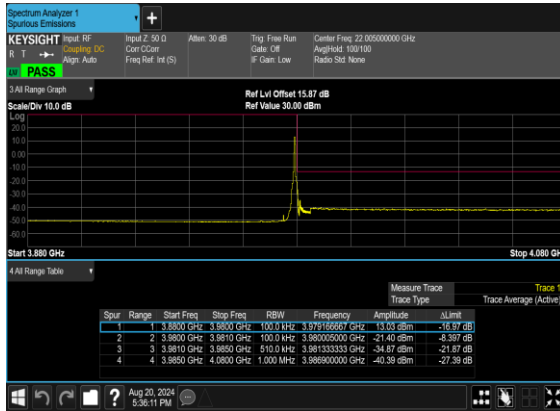


N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





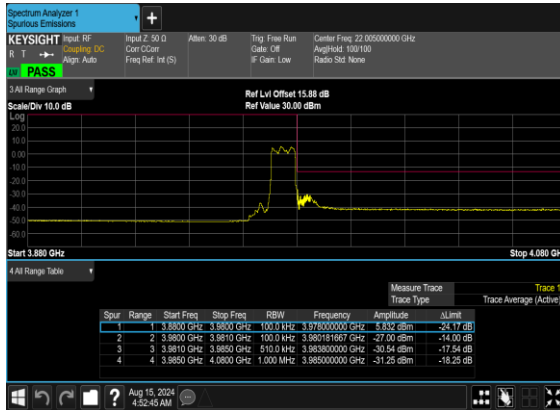
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



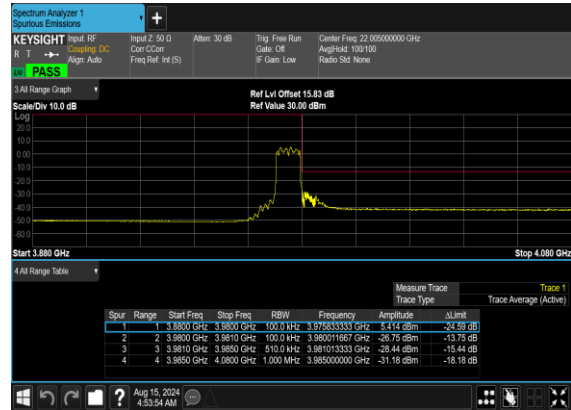
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

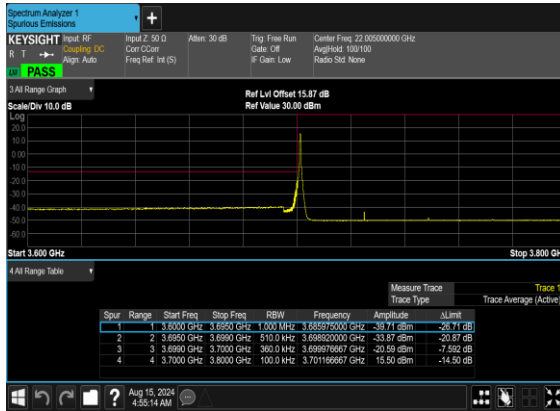


N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

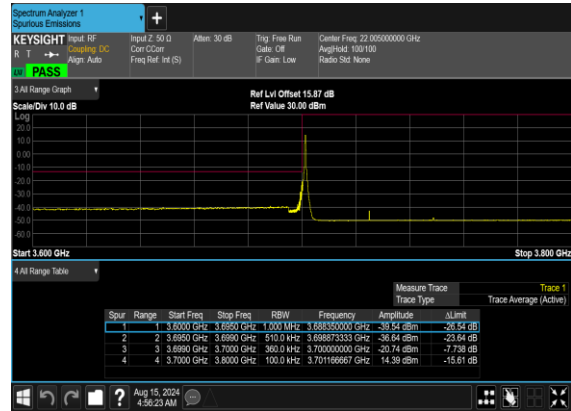




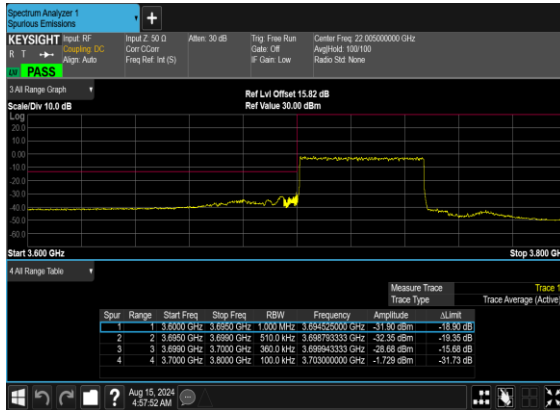
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



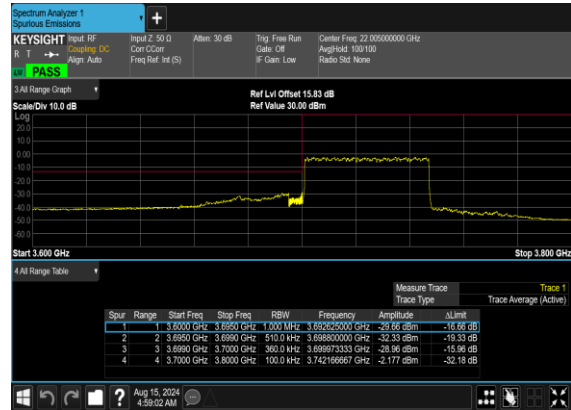
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

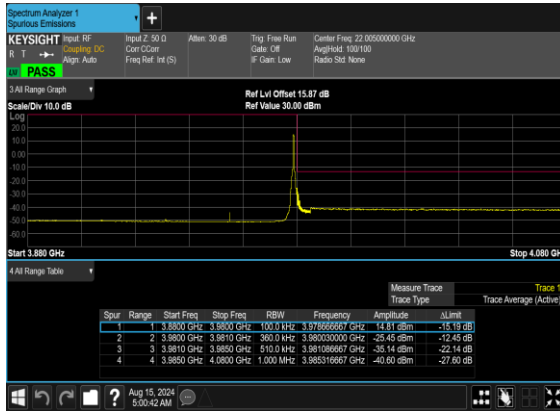


N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

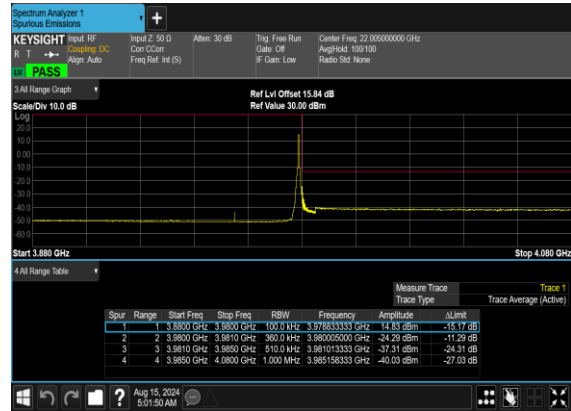




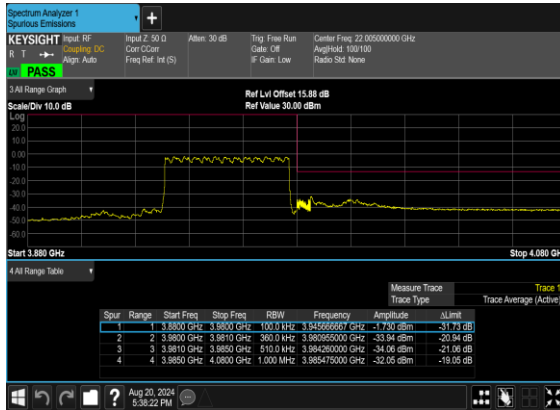
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



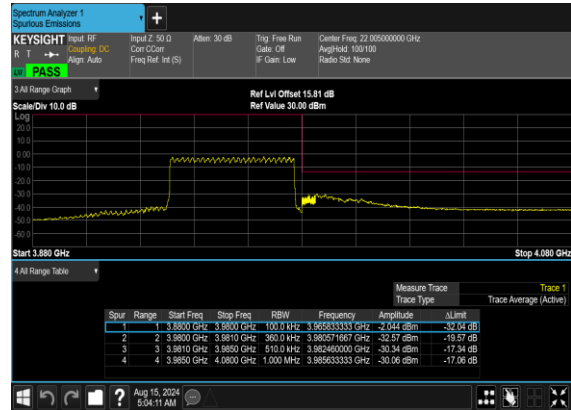
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

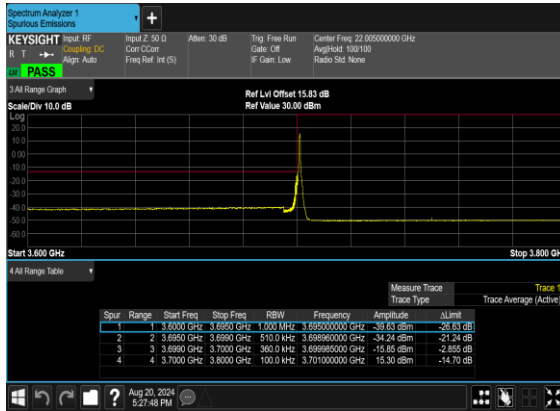


N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

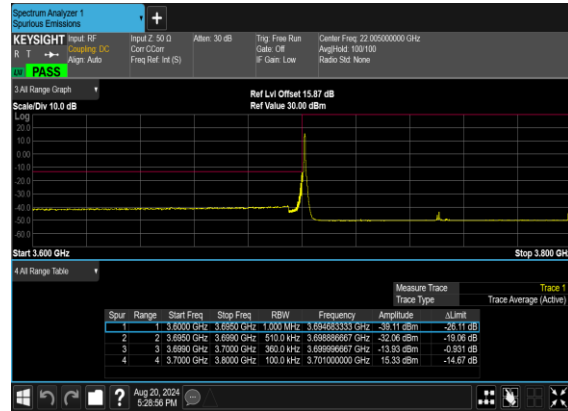




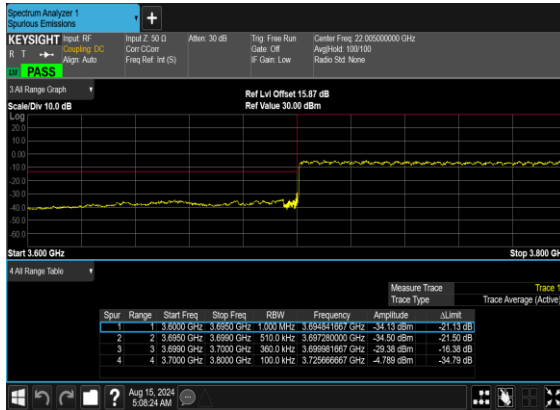
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



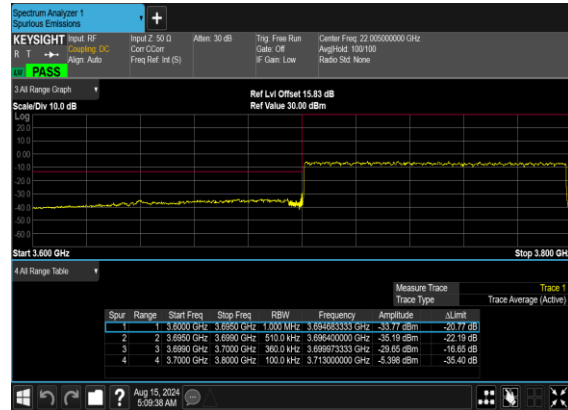
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

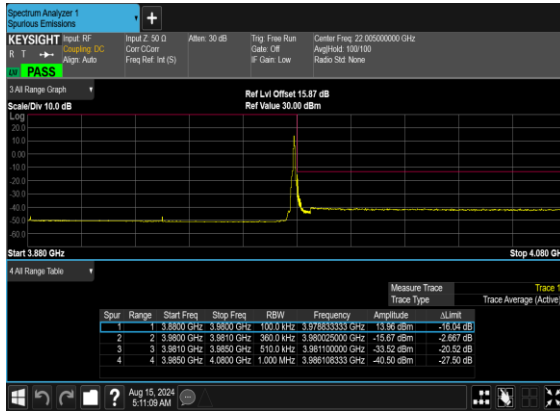


N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





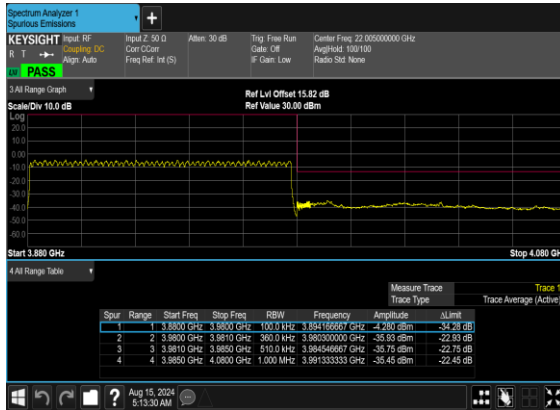
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



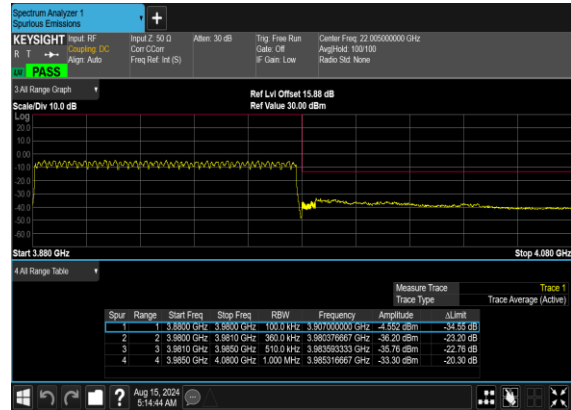
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N78 Ant 1**Transmitter Conducted Output Power And EIRP, (G_T-L_C)=2.56dB**

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	25.42	27.98	0.6281
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	24.46	27.02	0.5035
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	25.28	27.84	0.6081
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.3	26.86	0.4853
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	25.13	27.69	0.5875
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	24.08	26.64	0.4613
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	25.37	27.93	0.6209
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.39	26.95	0.4955
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	25.37	27.93	0.6209
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.37	26.93	0.4932
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	25.05	27.61	0.5768
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	24.1	26.66	0.4634
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.26	27.82	0.6053
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.26	26.82	0.4808
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	25.32	27.88	0.6138
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.39	26.95	0.4955
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	25.05	27.61	0.5768
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	24.1	26.66	0.4634
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	25.34	27.9	0.6166
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	24.31	26.87	0.4864
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	25.48	28.04	0.6368
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.51	27.07	0.5093
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	25.22	27.78	0.5998
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	24.32	26.88	0.4875
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.35	27.91	0.6180
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.45	27.01	0.5023
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	25.5	28.06	0.6397
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.48	27.04	0.5058
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	25.23	27.79	0.6012
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	24.21	26.77	0.4753
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.4	27.96	0.6252
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.4	26.96	0.4966
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	25.49	28.05	0.6383
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.44	27	0.5012
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	25.19	27.75	0.5957
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	24.28	26.84	0.4831
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.48	28.04	0.6368
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.53	27.09	0.5117
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.57	28.13	0.6501
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.66	27.22	0.5272



78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.42	27.98	0.6281
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	24.45	27.01	0.5023
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.22	27.78	0.5998
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.29	26.85	0.4842
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	25.45	28.01	0.6324
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.5	27.06	0.5082
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25.21	27.77	0.5984
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	24.36	26.92	0.4920
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.41	27.97	0.6266
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.41	26.97	0.4977
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	25.45	28.01	0.6324
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.56	27.12	0.5152
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	25.44	28	0.6310
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	24.56	27.12	0.5152
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.44	28	0.6310
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.44	27	0.5012
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	25.57	28.13	0.6501
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.58	27.14	0.5176
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	25.46	28.02	0.6339
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	24.41	26.97	0.4977
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.58	28.14	0.6516
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.59	27.15	0.5188
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	25.64	28.2	0.6607
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.6	27.16	0.5200
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	25.5	28.06	0.6397
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	24.54	27.1	0.5129
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.28	27.84	0.6081
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.65	28.21	0.6622
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.31	27.87	0.6124
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.31	27.87	0.6124
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.55	28.11	0.6471
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	25.25	27.81	0.6039
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.33	26.89	0.4887
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.66	27.22	0.5272
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	24.35	26.91	0.4909
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.8	25.36	0.3436
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.14	25.7	0.3715
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.79	25.35	0.3428
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.84	23.4	0.2188
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.01	23.57	0.2275
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.68	23.24	0.2109
78	30	100	650000	3750	CP-OFDM QPSK	137@68	23.86	26.42	0.4385
78	30	100	650000	3750	CP-OFDM QPSK	1@1	24.31	26.87	0.4864
78	30	100	650000	3750	CP-OFDM QPSK	1@271	24.01	26.57	0.4539



Software Version: 23.06.1602

FR1 N77 MIMO-Ant 0+Ant 1

Transmitter Conducted Output Power And EIRP, (G_T-L_C)=2.56dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	ANT1 Power(dBm)	ANT0 Power(dBm)	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	23.2	23.67	26.45	29.01	0.7962
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	22.43	22.94	25.70	28.26	0.6699
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@1	22.41	23.63	26.07	28.63	0.7295
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.69	23.06	25.44	28	0.6310
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@1	22.74	23.09	25.93	28.49	0.7063
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	22.08	22.45	25.28	27.84	0.6081
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	23.15	23.61	26.40	28.96	0.7870
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	22.4	22.69	25.56	28.12	0.6486
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@1	22.5	23.66	26.13	28.69	0.7396
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.91	23.02	25.51	28.07	0.6412
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	22.72	23.2	25.98	28.54	0.7145
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	22.08	22.53	25.32	27.88	0.6138
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	23.16	23.54	26.36	28.92	0.7798
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	22.4	22.89	25.66	28.22	0.6637
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	22.47	23.65	26.11	28.67	0.7362
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.84	22.89	25.41	27.97	0.6266
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	22.67	23.13	25.92	28.48	0.7047
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	22.05	22.47	25.28	27.84	0.6081
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	23.23	23.83	26.55	29.11	0.8147
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	22.58	23.17	25.90	28.46	0.7015
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@1	22.68	23.69	26.22	28.78	0.7551
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.1	23.02	25.59	28.15	0.6531
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	22.8	23.23	26.03	28.59	0.7228
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	22.2	22.55	25.39	27.95	0.6237
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	23.15	23.72	26.45	29.01	0.7962
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	22.5	23.06	25.80	28.36	0.6855
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@1	22.75	23.67	26.24	28.8	0.7586
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.03	22.99	25.55	28.11	0.6471
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	22.89	23.37	26.15	28.71	0.7430
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	22.14	22.72	25.45	28.01	0.6324
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	23.28	23.85	26.58	29.14	0.8204
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	22.61	23.11	25.88	28.44	0.6982
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	22.54	23.44	26.02	28.58	0.7211
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.87	22.83	25.39	27.95	0.6237
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	22.53	23.09	25.83	28.39	0.6902
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	21.87	22.41	25.16	27.72	0.5916



77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	23.25	23.83	26.56	29.12	0.8166
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	22.63	23.19	25.93	28.49	0.7063
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	22.75	23.56	26.18	28.74	0.7482
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.08	22.94	25.54	28.1	0.6457
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	22.67	23.28	26.00	28.56	0.7178
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	22.03	22.61	25.34	27.9	0.6166
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	23.18	23.69	26.45	29.01	0.7962
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	22.53	22.99	25.78	28.34	0.6823
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	22.53	23.26	25.92	28.48	0.7047
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.87	22.56	25.24	27.8	0.6026
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	22.62	23.23	25.95	28.51	0.7096
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	22.01	22.57	25.31	27.87	0.6124
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	23.1	23.6	26.37	28.93	0.7816
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	22.56	23.03	25.81	28.37	0.6871
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@1	22.55	23.2	25.90	28.46	0.7015
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@1	21.99	22.6	25.32	27.88	0.6138
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@1	22.6	23.1	25.87	28.43	0.6966
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@1	22.05	22.52	25.30	27.86	0.6109
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	23.33	23.87	26.62	29.18	0.8279
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	22.67	23.23	25.97	28.53	0.7129
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	22.79	23.38	26.11	28.67	0.7362
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.05	22.53	25.31	27.87	0.6124
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	22.85	23.49	26.19	28.75	0.7499
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	22.1	22.78	25.46	28.02	0.6339
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	23.31	23.85	26.60	29.16	0.8241
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	22.68	23.25	25.98	28.54	0.7145
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	22.84	23.32	26.10	28.66	0.7345
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.22	22.64	25.45	28.01	0.6324
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	22.86	23.87	26.40	28.96	0.7870
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	22.16	23.08	25.65	28.21	0.6622
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	23.36	23.43	26.41	28.97	0.7889
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.35	23.86	26.62	29.18	0.8279
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	23.43	23.66	26.56	29.12	0.8166
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	23.29	23.43	26.37	28.93	0.7816
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	23.29	23.82	26.57	29.13	0.8185
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	23.4	23.6	26.51	29.07	0.8072
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	22.76	22.93	25.86	28.42	0.6950
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.7	23.24	25.99	28.55	0.7161
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	22.89	23.01	25.96	28.52	0.7112
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	20.91	21.04	23.99	26.55	0.4519
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.66	21.19	23.94	26.5	0.4467
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	20.8	21	23.91	26.47	0.4436
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	17.94	18.08	21.02	23.58	0.2280
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	17.91	18.42	21.18	23.74	0.2366
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	17.97	18.26	21.13	23.69	0.2339



77	30	100	650000	3750	CP-OFDM QPSK	137@68	22.23	22.4	25.33	27.89	0.6152
77	30	100	650000	3750	CP-OFDM QPSK	1@1	22.38	23	25.71	28.27	0.6714
77	30	100	650000	3750	CP-OFDM QPSK	1@271	22.63	22.71	25.68	28.24	0.6668
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	22.59	23.69	26.19	28.75	0.7499
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.97	23.39	26.20	28.76	0.7516
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	22.73	23.59	26.19	28.75	0.7499
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	22.61	23.64	26.17	28.73	0.7464
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	22.92	23.31	26.13	28.69	0.7396
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	22.71	23.59	26.18	28.74	0.7482
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	21.99	23.13	25.61	28.17	0.6561
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.28	22.72	25.52	28.08	0.6427
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	22.2	23	25.63	28.19	0.6592
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	20.14	21.31	23.77	26.33	0.4295
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	20.19	20.72	23.47	26.03	0.4009
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	20.04	20.96	23.53	26.09	0.4064
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	17.14	18.38	20.81	23.37	0.2173
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	17.43	17.89	20.68	23.24	0.2109
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	17.18	18.19	20.72	23.28	0.2128
77	30	100	656000	3840	CP-OFDM QPSK	137@68	21.47	22.52	25.04	27.6	0.5754
77	30	100	656000	3840	CP-OFDM QPSK	1@1	22.01	22.44	25.24	27.8	0.6026
77	30	100	656000	3840	CP-OFDM QPSK	1@271	21.84	22.76	25.33	27.89	0.6152
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	22.67	23.38	26.05	28.61	0.7261
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	22.75	23.82	26.33	28.89	0.7745
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	22.78	23.62	26.23	28.79	0.7568
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	22.75	23.37	26.08	28.64	0.7311
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	22.77	23.87	26.37	28.93	0.7816
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	22.84	23.58	26.24	28.8	0.7586
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	135@67	22.22	22.9	25.58	28.14	0.6516
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	22.25	23.26	25.79	28.35	0.6839
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@271	22.25	23.03	25.67	28.23	0.6653
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	135@67	20.32	21.05	23.71	26.27	0.4236
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	20.18	21.21	23.74	26.3	0.4266
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@271	20.25	21.06	23.68	26.24	0.4207
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	135@67	17.39	18.15	20.80	23.36	0.2168
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	17.34	18.43	20.93	23.49	0.2234
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@271	17.37	18.32	20.88	23.44	0.2208
77	30	100	662000	3930	CP-OFDM QPSK	137@68	21.73	22.31	25.04	27.6	0.5754
77	30	100	662000	3930	CP-OFDM QPSK	1@1	21.83	22.85	25.38	27.94	0.6223
77	30	100	662000	3930	CP-OFDM QPSK	1@271	21.89	22.74	25.35	27.91	0.6180



FR1 N77 MIMO- Ant 0

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	18.5	PASS	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	11.1	PASS	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.5	PASS	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	14.9	PASS	-30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	13.4	PASS	-20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	15.8	PASS	-10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	11.9	PASS	0℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	12.5	PASS	10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	13.7	PASS	20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	14.6	PASS	30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	11.1	PASS	40℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	18.7	PASS	50℃

 $|\text{MAX}(\Delta f)| = 18.7 \text{ Hz}$

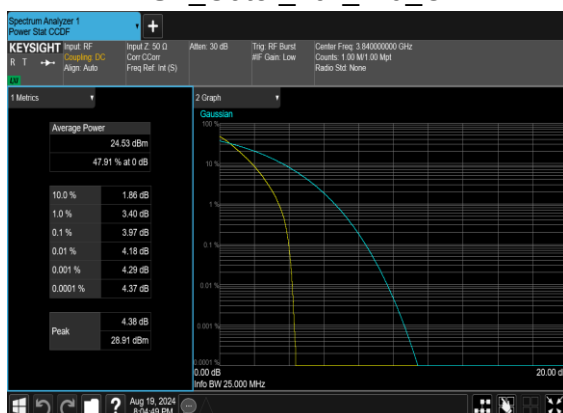
Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3700.998692	$\geq 3700 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	3978.771367	$\leq 3980 \text{ MHz}$	



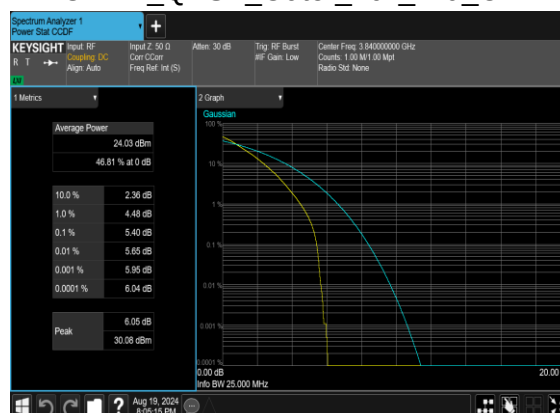
Peak to Average Ratio

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	3.97	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	5.4	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

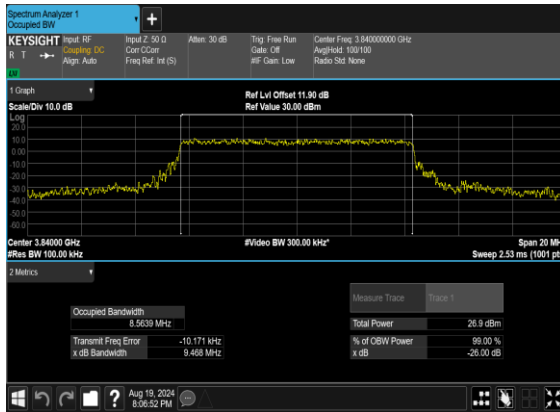
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5639	9.468
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5744	9.717
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5939	9.481
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5666	9.482
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.562	14.64
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.591	14.71
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.583	14.57
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.522	14.71
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.185	19.43
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.225	19.33
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.221	19.24
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.111	18.87
77	30	25	656000	3840.0	CP-OFDM QPSK	65@0	23.189	24.55
77	30	25	656000	3840.0	CP-OFDM 16 QAM	65@0	23.291	25.88
77	30	25	656000	3840.0	CP-OFDM 64 QAM	65@0	23.243	24.34
77	30	25	656000	3840.0	CP-OFDM 256 QAM	65@0	23.223	24.63
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.766	29.42
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.841	29.56
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.944	31.3
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.847	28.97
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.948	39.44
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	38.017	39.29
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.801	39.11
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.798	39.21
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.474	49.29
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.554	49.55
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.568	49.01
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.519	49.8
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.892	60.07
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.786	60.2
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	58.016	59.97
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.873	59.66
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.595	70.09
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.623	69.75
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.497	69.81
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.523	70.14



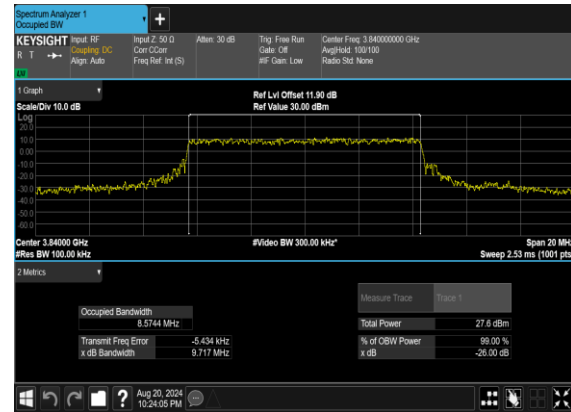
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.454	80.07
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.632	80.23
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.538	80.11
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.451	80.03
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.372	90.25
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.55	90.24
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.451	90.24
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.544	90.27
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.454	100.3
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.632	100.4
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.441	100.6
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.665	100.4



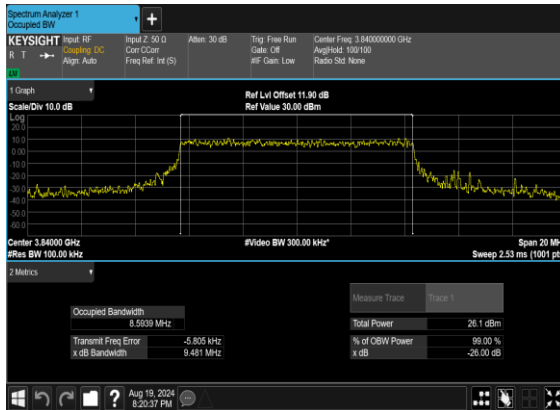
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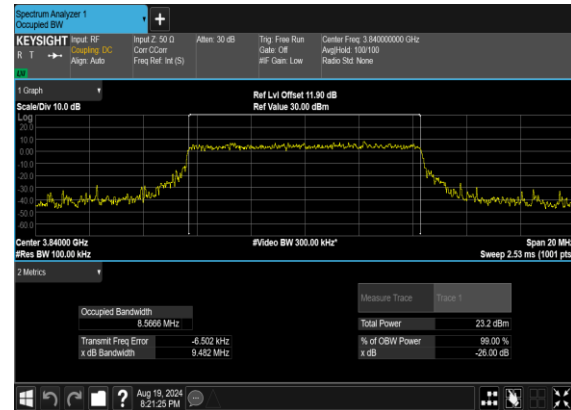
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QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

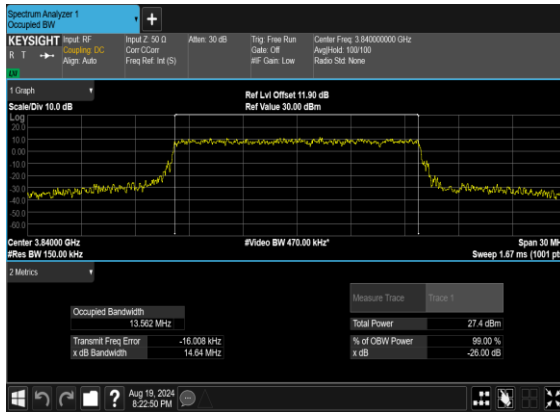


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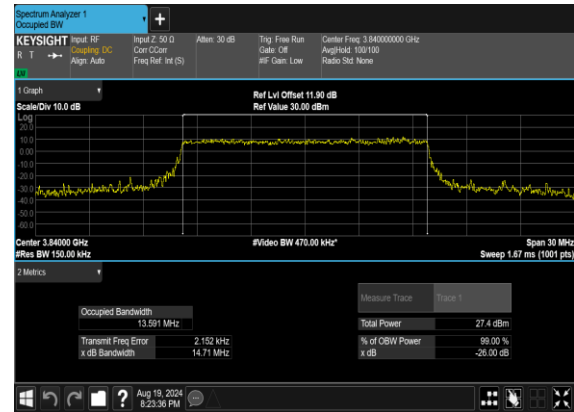




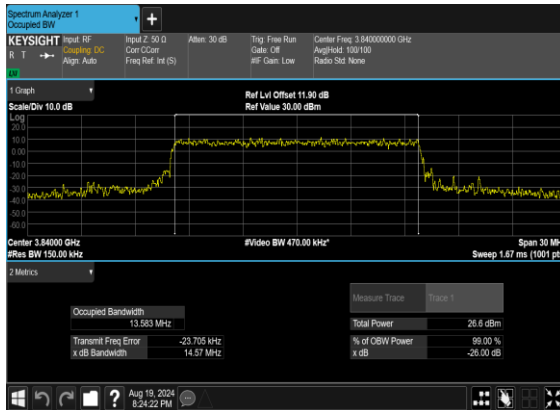
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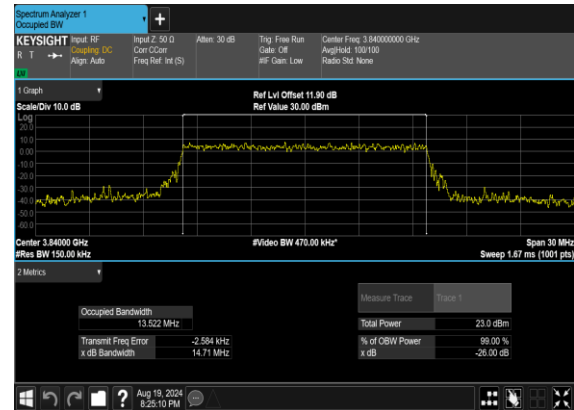
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N77(15M)_CP-OFDM_64
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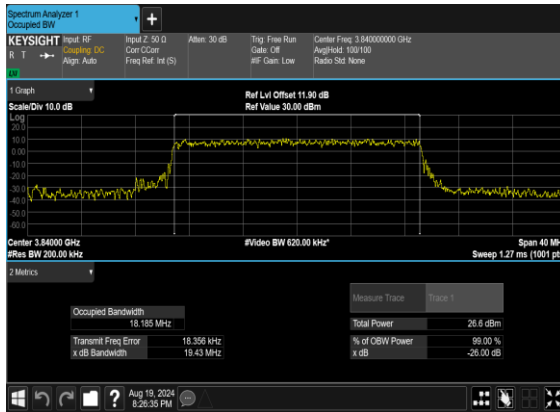


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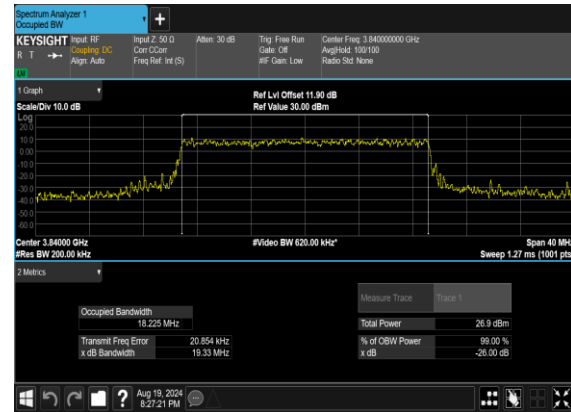




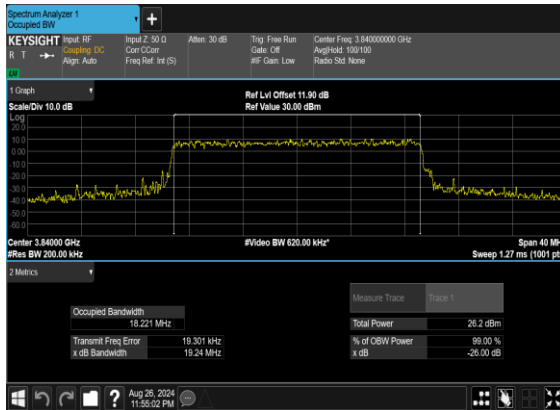
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



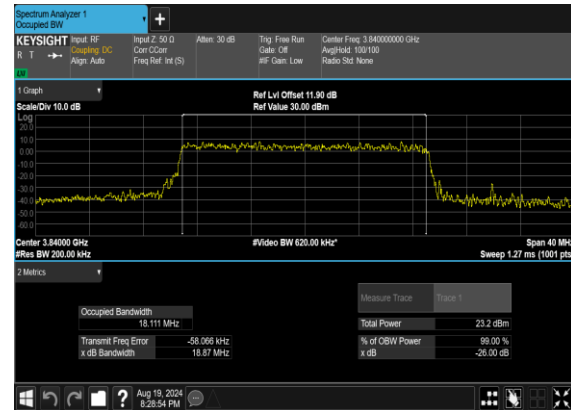
N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

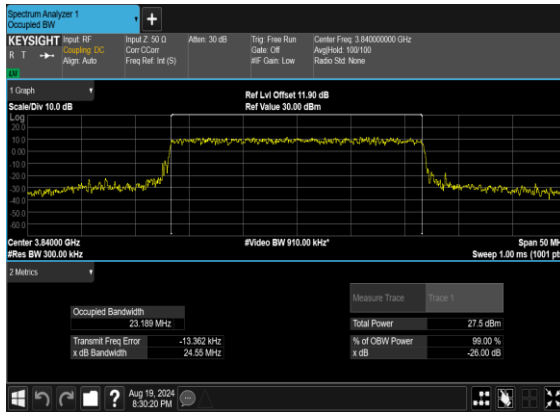


N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

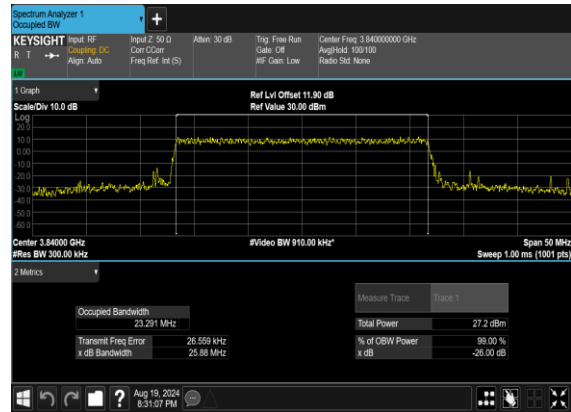




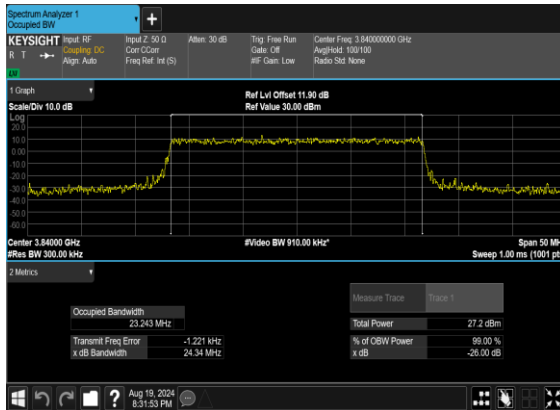
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OFDM_QPSK_Outer_Full_Mid_CH



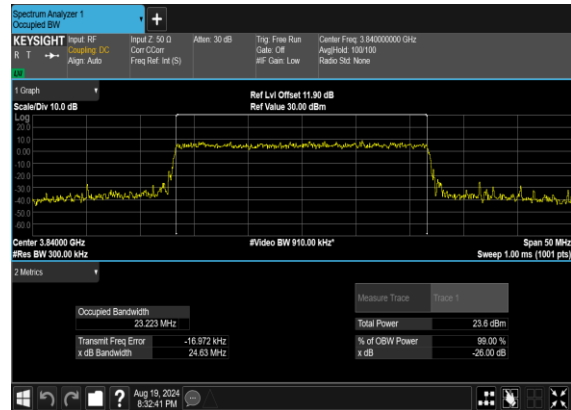
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QAM_Outer_Full_Mid_CH



N77(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

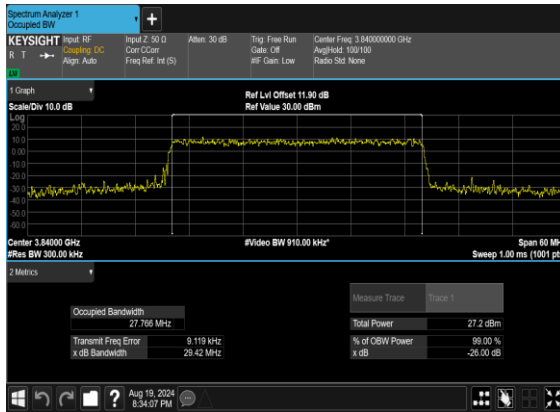


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QAM_Outer_Full_Mid_CH

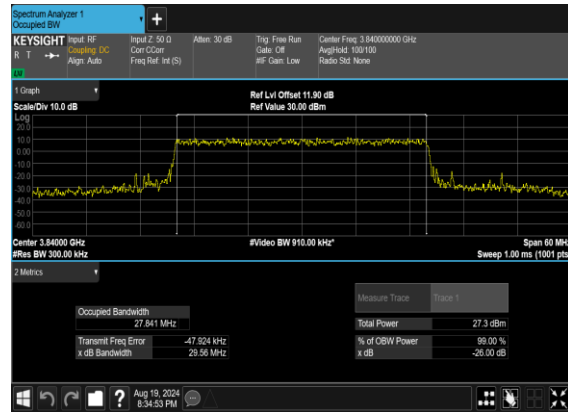




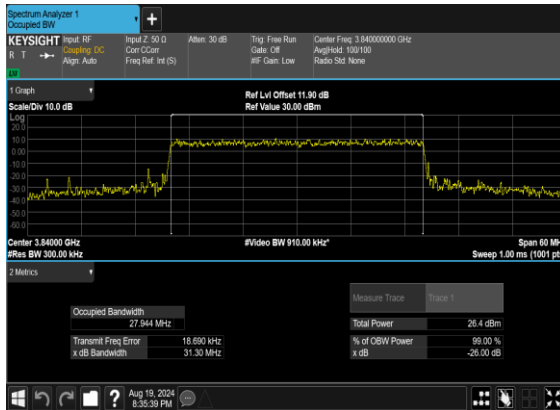
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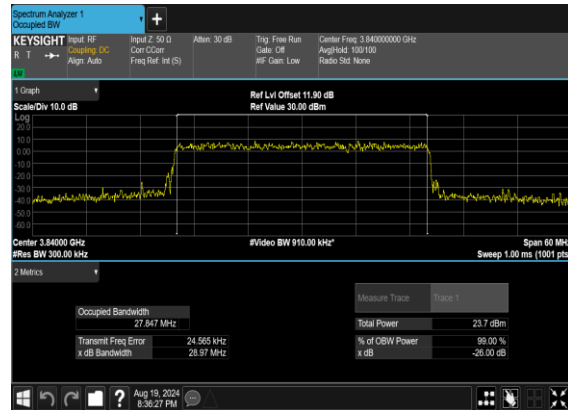
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QAM_Outer_Full_Mid_CH



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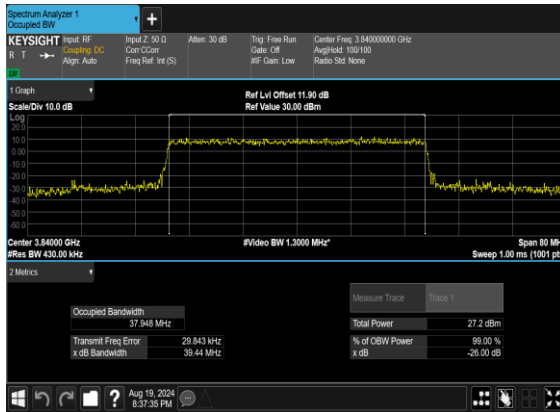


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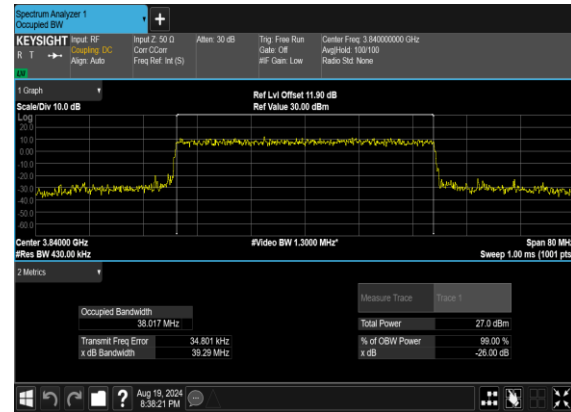




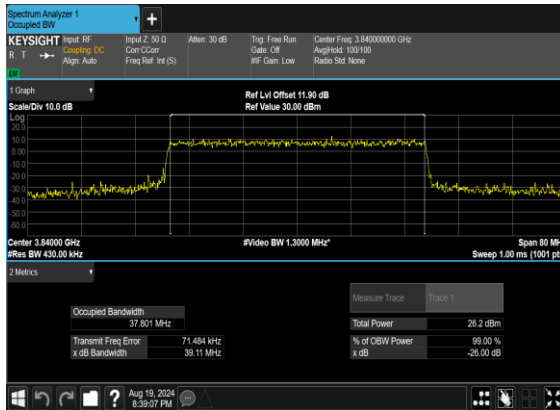
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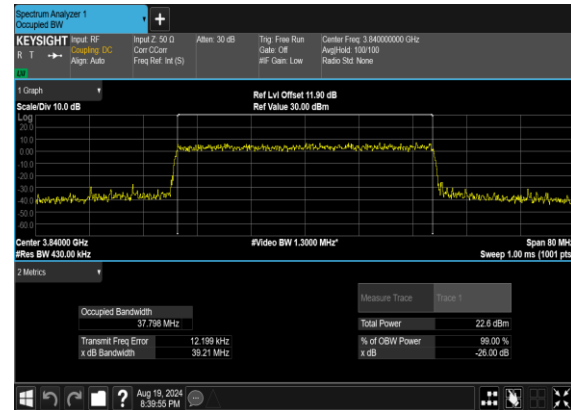
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QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

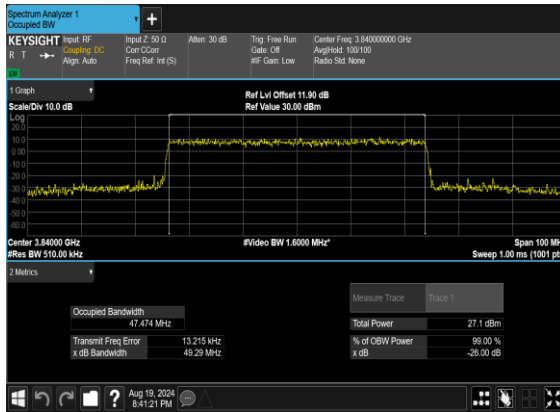


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QAM_Outer_Full_Mid_CH

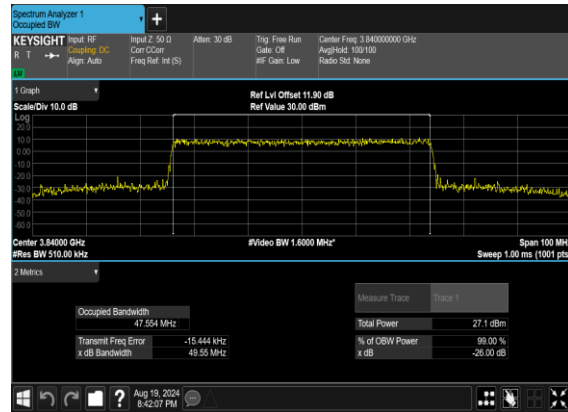




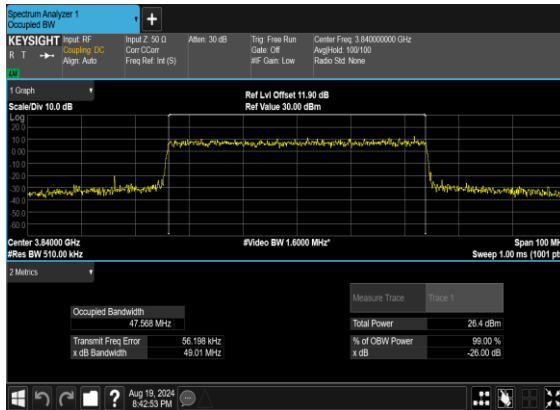
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OFDM_QPSK_Outer_Full_Mid_CH



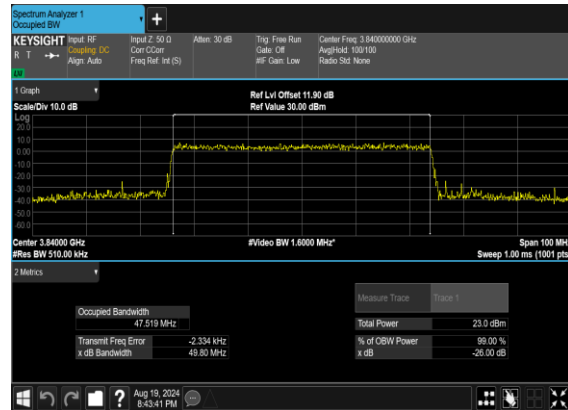
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QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

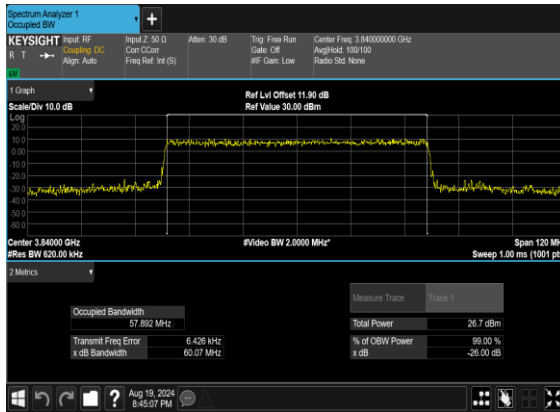


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QAM_Outer_Full_Mid_CH

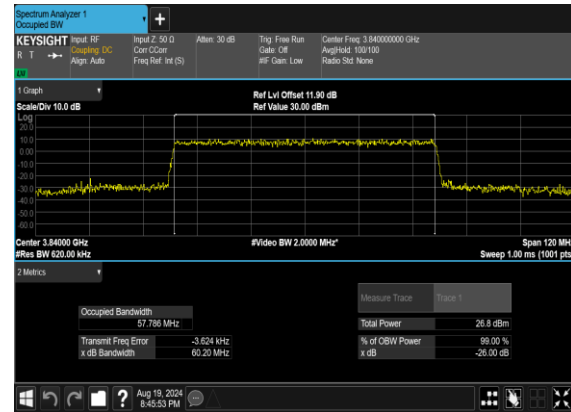




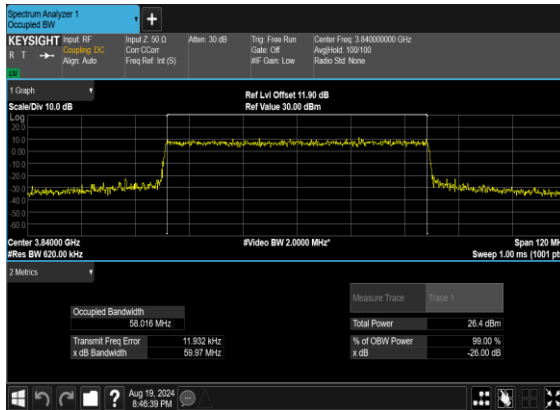
N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



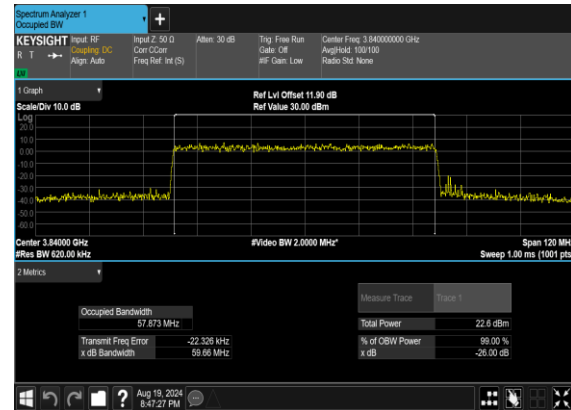
N77(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

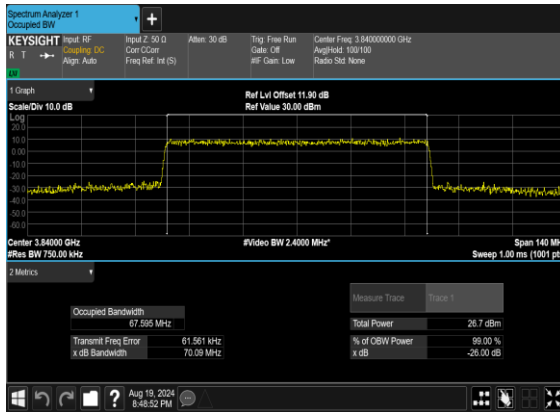


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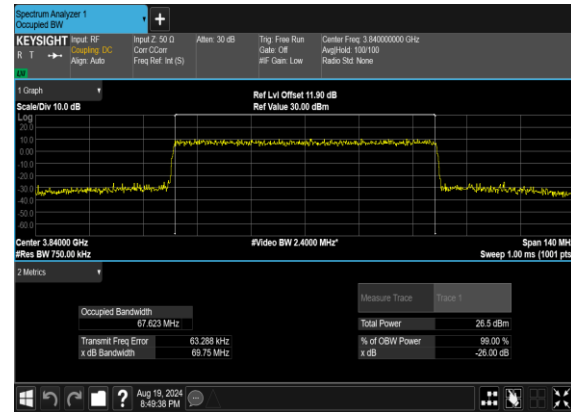




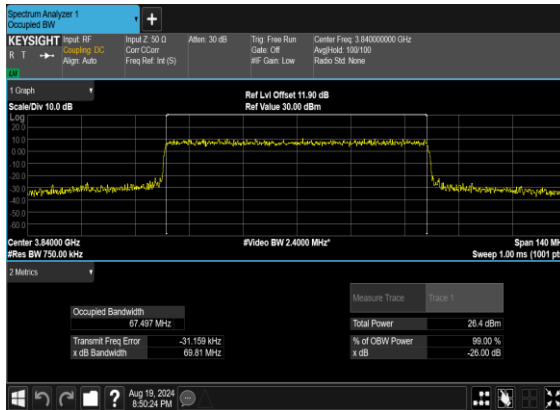
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OFDM_QPSK_Outer_Full_Mid_CH



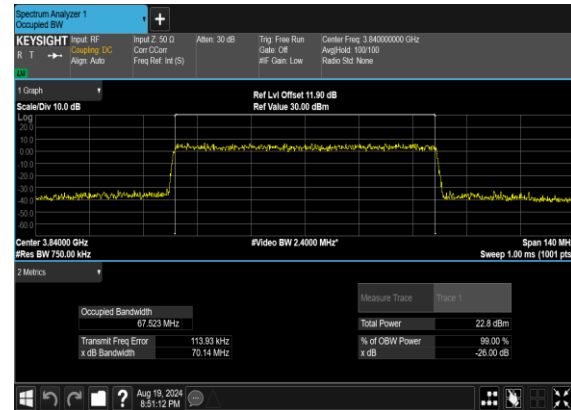
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QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_64
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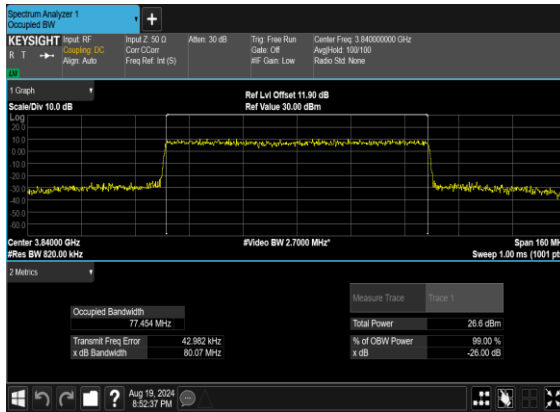


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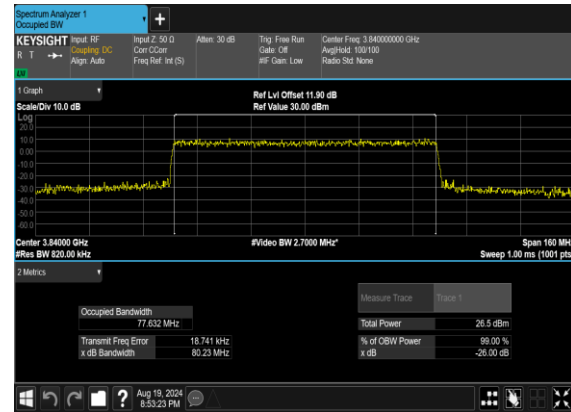




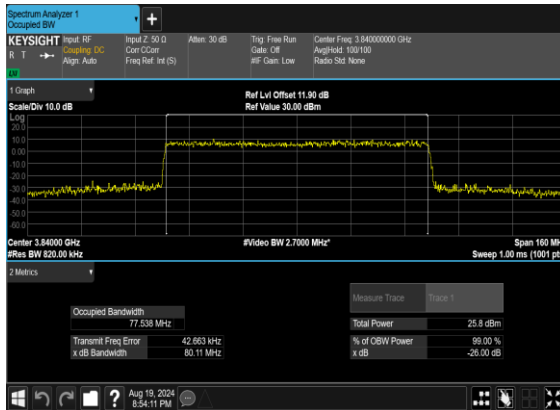
N77(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



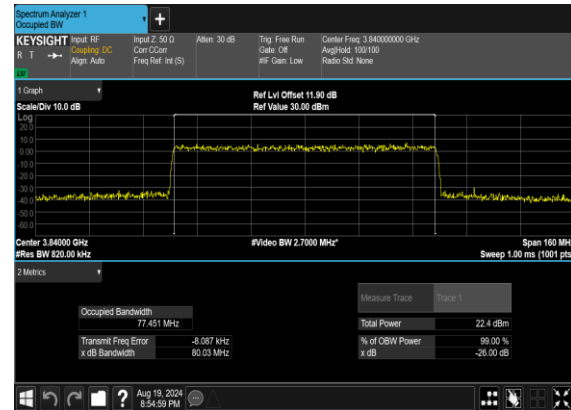
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QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

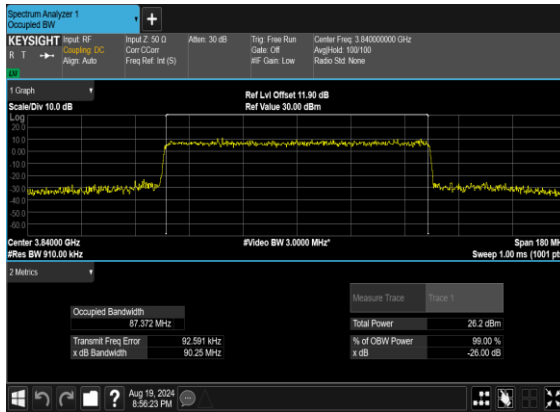


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QAM_Outer_Full_Mid_CH

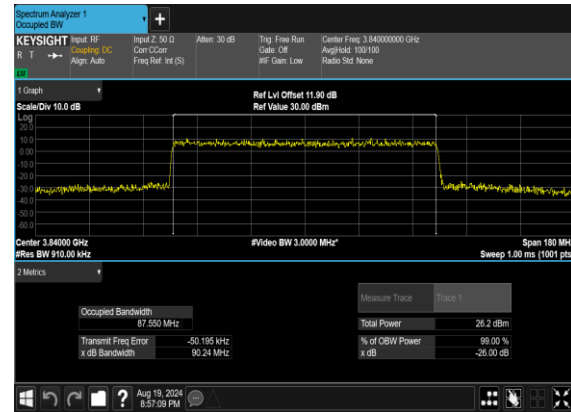




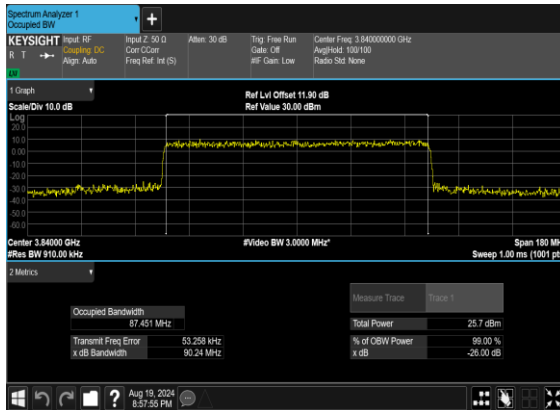
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OFDM_QPSK_Outer_Full_Mid_CH



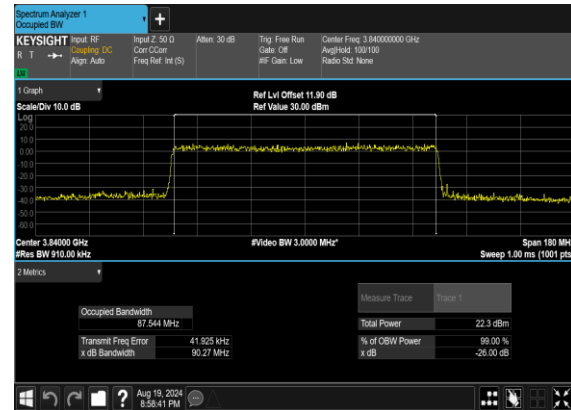
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QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

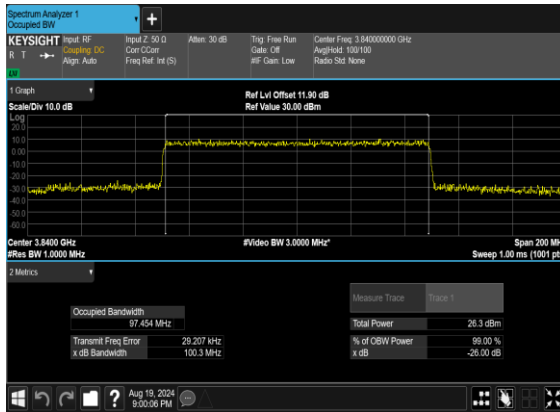


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QAM_Outer_Full_Mid_CH

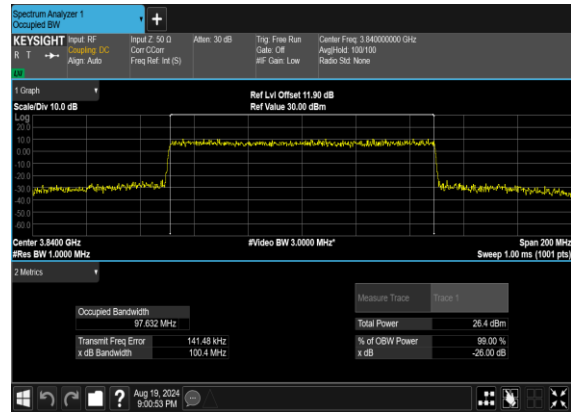




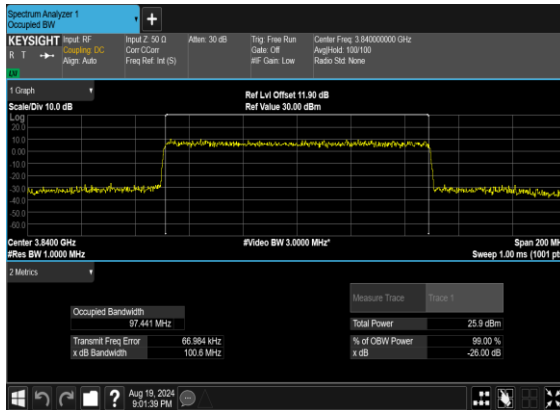
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OFDM_QPSK_Outer_Full_Mid_CH



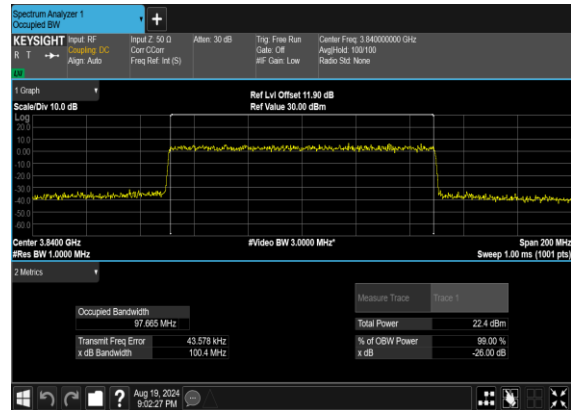
N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



**Conducted Spurious Emissions**

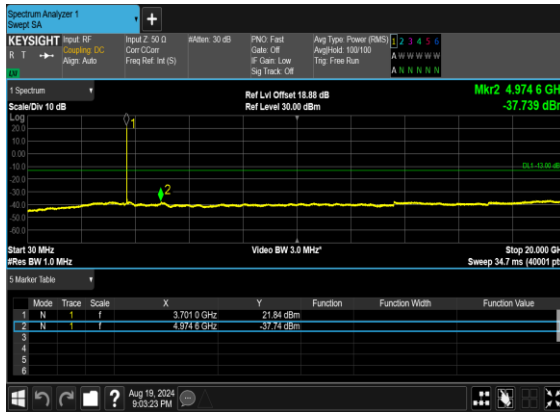
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	---
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



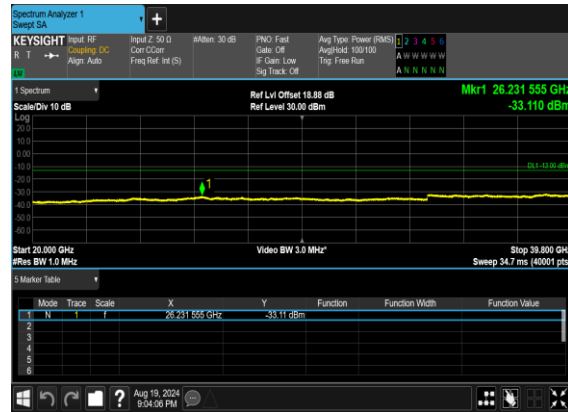
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	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



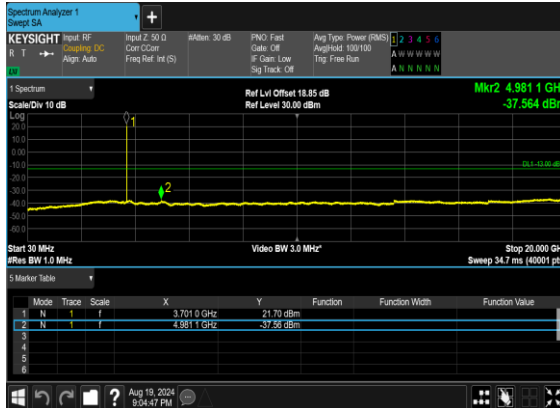
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



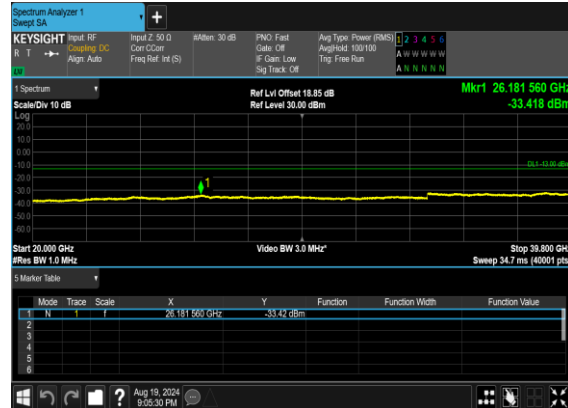
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

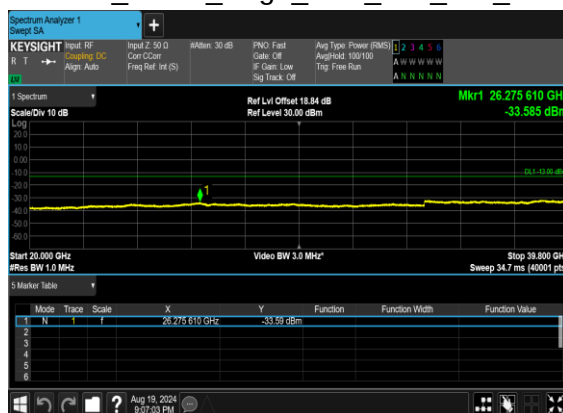




N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



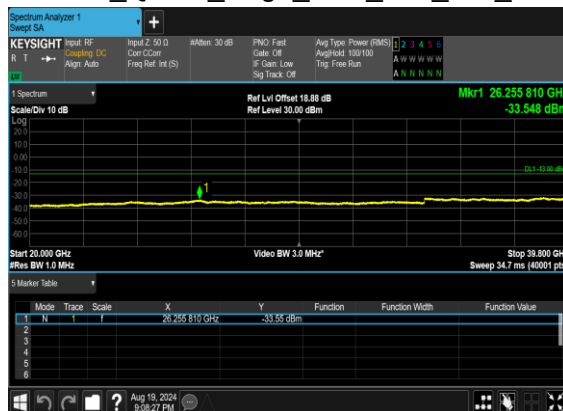
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

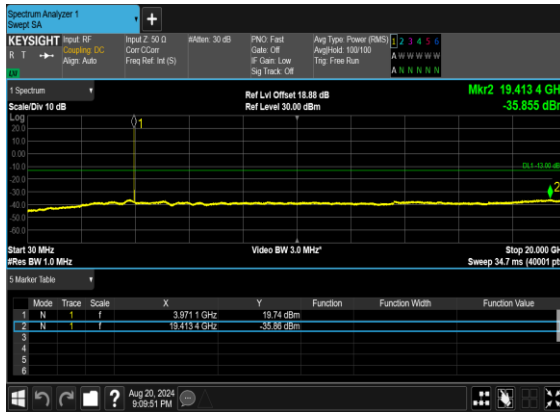


N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

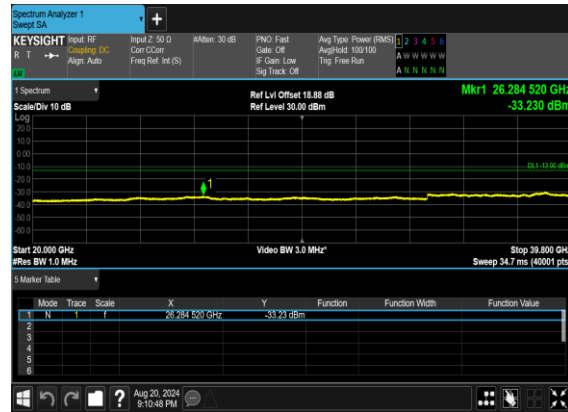




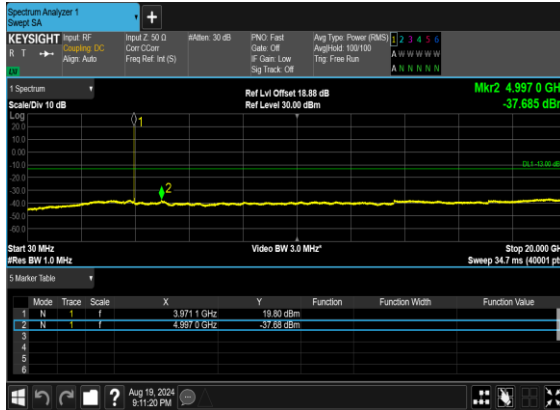
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



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

