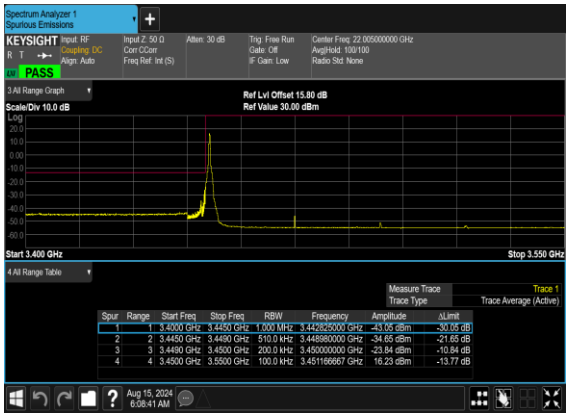
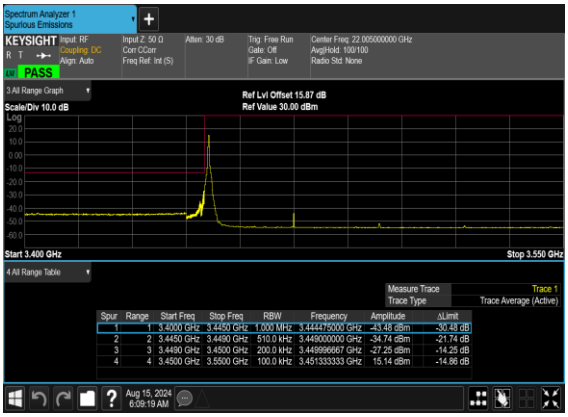
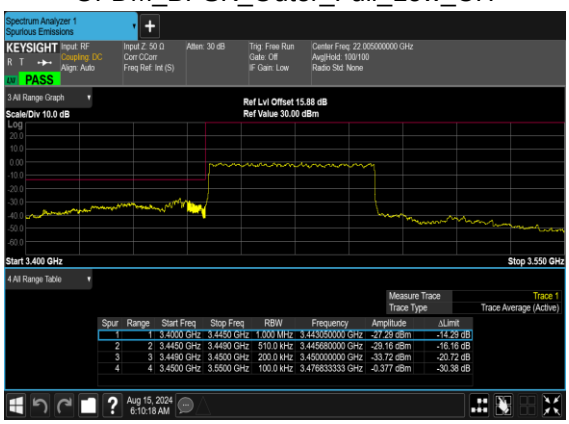
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



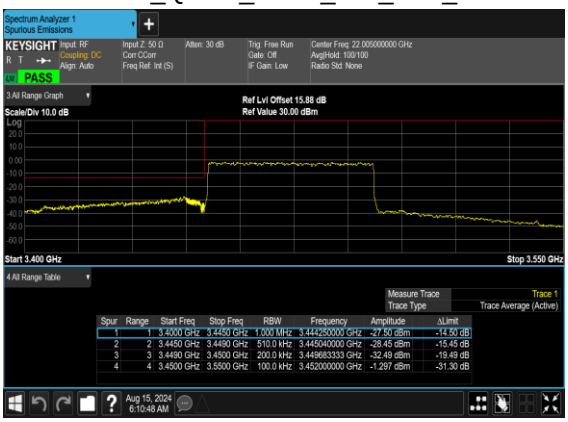
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



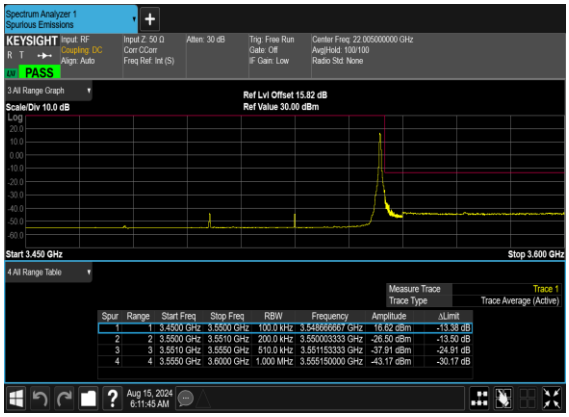
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

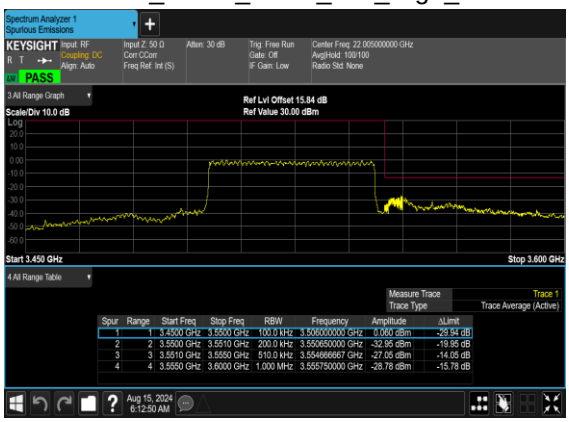


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

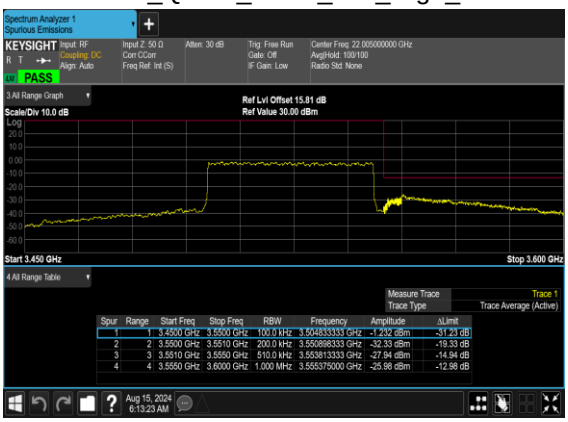


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

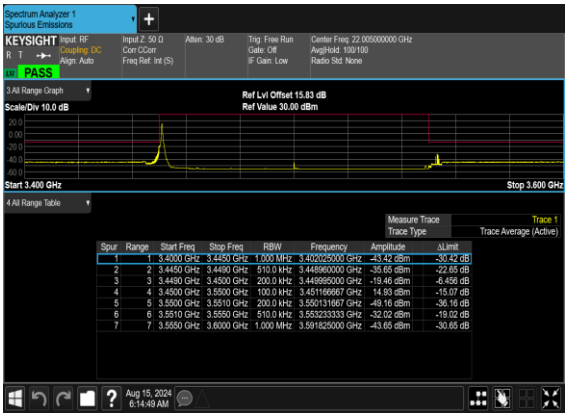


N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



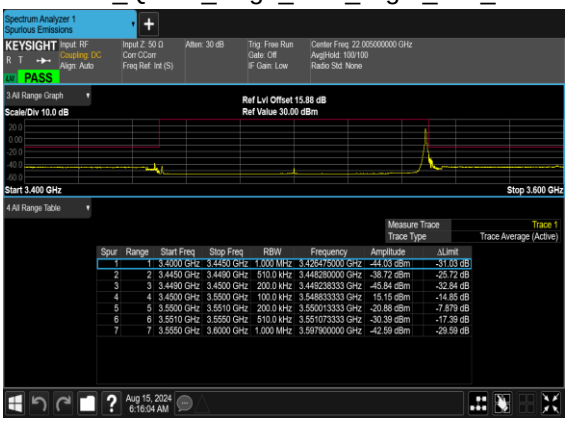
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

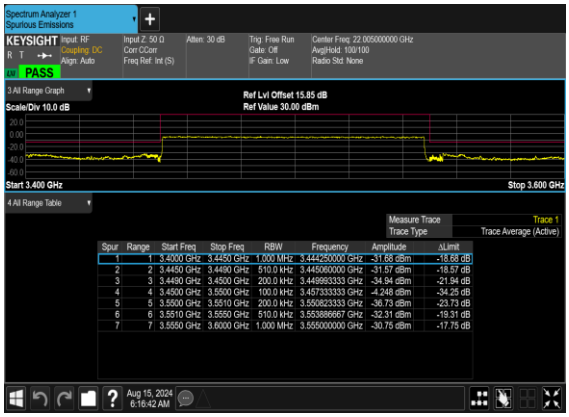


N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

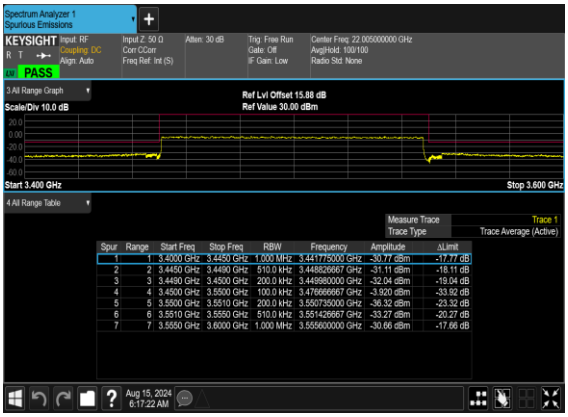
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



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	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.29	27.85	0.6095
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.33	26.89	0.4887
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.6	28.16	0.6546
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.57	27.13	0.5164
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.93	28.49	0.7063
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.91	27.47	0.5585
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.21	27.77	0.5984
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.22	26.78	0.4764
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.51	28.07	0.6412
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.51	27.07	0.5093
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.89	28.45	0.6998
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.85	27.41	0.5508
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.28	27.84	0.6081
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.32	26.88	0.4875
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.54	28.1	0.6457
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.54	27.1	0.5129
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.88	28.44	0.6982
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.88	27.44	0.5546
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.47	28.03	0.6353
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	24.46	27.02	0.5035
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.71	28.27	0.6714
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.66	27.22	0.5272
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	25.48	28.04	0.6368
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	25.1	27.66	0.5834
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.47	28.03	0.6353
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.52	27.08	0.5105
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.69	28.25	0.6683
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.71	27.27	0.5333
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.96	28.52	0.7112
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.95	27.51	0.5636
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.48	28.04	0.6368
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.48	27.04	0.5058
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.69	28.25	0.6683
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.74	27.3	0.5370
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.93	28.49	0.7063
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.85	27.41	0.5508
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.6	28.16	0.6546
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.62	27.18	0.5224
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.86	28.42	0.6950
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.81	27.37	0.5458

78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.96	28.52	0.7112
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.89	27.45	0.5559
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.49	28.05	0.6383
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.55	27.11	0.5140
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.59	28.15	0.6531
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.53	27.09	0.5117
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.63	28.19	0.6592
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.74	27.3	0.5370
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.45	28.01	0.6324
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.58	27.14	0.5176
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.66	28.22	0.6637
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.74	27.3	0.5370
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.66	28.22	0.6637
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.79	27.35	0.5433
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.66	28.22	0.6637
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.71	27.27	0.5333
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.77	28.33	0.6808
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.82	27.38	0.5470
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.83	28.39	0.6902
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.84	27.4	0.5495
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.64	28.2	0.6607
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.75	27.31	0.5383
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.74	28.3	0.6761
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.79	27.35	0.5433
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.88	28.44	0.6982
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.87	27.43	0.5534
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.59	28.15	0.6531
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.64	28.2	0.6607
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.97	28.53	0.7129
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.63	28.19	0.6592
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.66	28.22	0.6637
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.84	28.4	0.6918
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.66	27.22	0.5272
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.84	27.4	0.5495
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.93	27.49	0.5610
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.16	25.72	0.3733
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.23	25.79	0.3793
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.45	26.01	0.3990
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.18	23.74	0.2366
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.07	23.63	0.2307
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	21.31	23.87	0.2438
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.1	26.66	0.4634
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.17	26.73	0.4710
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.61	27.17	0.5212

·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	630334	3455.01	DFT-s-OFDM QPSK	1@1	22.89	23.72	26.34	28.9	0.7762
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	22.24	23.08	25.69	28.25	0.6683
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.62	23.62	26.16	28.72	0.7447
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.99	22.95	25.51	28.07	0.6412
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	22.74	23.63	26.22	28.78	0.7551
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	22.09	22.97	25.56	28.12	0.6486
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	22.88	23.75	26.35	28.91	0.7780
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	22.21	23.05	25.66	28.22	0.6637
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.76	23.59	26.21	28.77	0.7534
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.1	22.96	25.56	28.12	0.6486
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	22.62	23.6	26.15	28.71	0.7430
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	22.17	22.94	25.58	28.14	0.6516
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	22.9	23.75	26.36	28.92	0.7798
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	22.24	23.12	25.71	28.27	0.6714
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.76	23.61	26.22	28.78	0.7551
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.09	22.97	25.56	28.12	0.6486
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	22.51	23.56	26.08	28.64	0.7311
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	21.86	22.8	25.37	27.93	0.6209
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	23.07	23.98	26.56	29.12	0.8166
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	22.37	23.3	25.87	28.43	0.6966
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.85	23.85	26.39	28.95	0.7852
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.14	23.12	25.67	28.23	0.6653
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	22.59	23.65	26.16	28.72	0.7447
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	21.91	22.9	25.44	28	0.6310
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	23.02	23.88	26.48	29.04	0.8017
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	22.27	23.17	25.75	28.31	0.6776
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.79	23.79	26.33	28.89	0.7745
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.17	23.14	25.69	28.25	0.6683
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	22.66	23.83	26.29	28.85	0.7674
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	22.02	23.02	25.56	28.12	0.6486
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	22.94	23.9	26.46	29.02	0.7980
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	22.24	23.22	25.77	28.33	0.6808
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.74	23.87	26.35	28.91	0.7780
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.09	23.11	25.64	28.2	0.6607
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	22.62	23.67	26.19	28.75	0.7499
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	21.96	23.02	25.53	28.09	0.6442
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	22.97	23.87	26.45	29.01	0.7962
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	22.3	23.27	25.82	28.38	0.6887
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.89	23.84	26.40	28.96	0.7870

77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.19	23.22	25.75	28.31	0.6776
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	22.75	23.8	26.32	28.88	0.7727
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	22.06	23.15	25.65	28.21	0.6622
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	22.88	23.83	26.39	28.95	0.7852
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	22.19	23.07	25.66	28.22	0.6637
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.69	23.76	26.27	28.83	0.7638
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.06	23.07	25.60	28.16	0.6546
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	22.69	23.69	26.23	28.79	0.7568
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	22.03	23	25.55	28.11	0.6471
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	22.85	23.68	26.30	28.86	0.7691
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	22.32	23.17	25.78	28.34	0.6823
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.65	23.77	26.26	28.82	0.7621
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.12	23.2	25.70	28.26	0.6699
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	22.8	23.7	26.28	28.84	0.7656
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	22.17	23.17	25.71	28.27	0.6714
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	23.08	23.92	26.53	29.09	0.8110
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	22.39	23.27	25.86	28.42	0.6950
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.9	23.99	26.49	29.05	0.8035
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.21	23.25	25.77	28.33	0.6808
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	22.75	23.82	26.33	28.89	0.7745
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	22.18	23.19	25.72	28.28	0.6730
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	23.09	23.96	26.56	29.12	0.8166
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	22.47	23.29	25.91	28.47	0.7031
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.02	23.98	26.54	29.1	0.8128
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.36	23.32	25.88	28.44	0.6982
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	22.93	24.08	26.55	29.11	0.8147
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	22.33	23.39	25.90	28.46	0.7015
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	22.69	23.72	26.25	28.81	0.7603
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.17	23.95	26.59	29.15	0.8222
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	22.92	23.67	26.32	28.88	0.7727
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	22.61	23.72	26.21	28.77	0.7534
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.97	23.94	26.49	29.05	0.8035
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	22.82	23.68	26.28	28.84	0.7656
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	22.12	23.23	25.72	28.28	0.6730
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.4	23.28	25.87	28.43	0.6966
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	22.3	23.17	25.77	28.33	0.6808
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	20.16	21.22	23.73	26.29	0.4256
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.37	21.33	23.89	26.45	0.4416
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	20.21	21.1	23.69	26.25	0.4217
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	17.23	18.27	20.79	23.35	0.2163
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.55	18.49	21.06	23.62	0.2301
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	17.4	18.26	20.86	23.42	0.2198
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.56	22.71	25.18	27.74	0.5943
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	22.03	23.05	25.58	28.14	0.6516
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	22.02	22.82	25.45	28.01	0.6324

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Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	11	**PASS**	NV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	13.3	**PASS**	LV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	16.9	**PASS**	HV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	16.5	**PASS**	-30℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	12	**PASS**	-20℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	12.1	**PASS**	-10℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	16.7	**PASS**	0℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	13.9	**PASS**	10℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	16	**PASS**	20℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	16.3	**PASS**	30℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.5	**PASS**	40℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	11.2	**PASS**	50℃

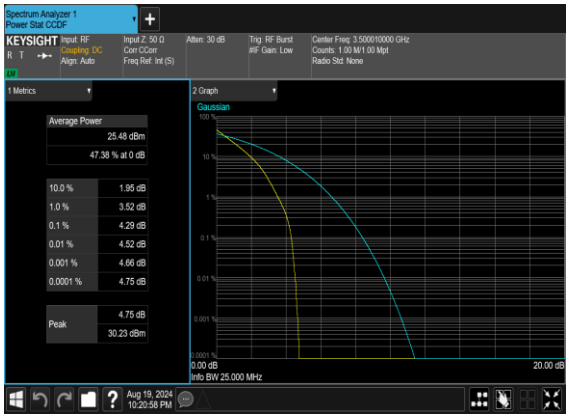
|MAX(△f)| = 17.5 Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
fL – |MAX(△f)|	3450.784685	≧ 3450 MHz	PASS
fH + |MAX(△f)|	3548.678438	≦ 3550 MHz	

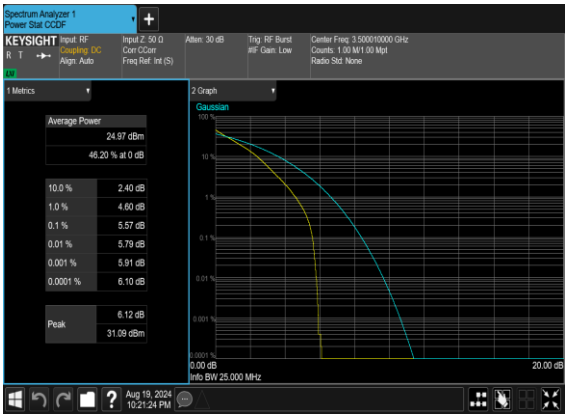
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	4.29	13	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	5.57	13	**PASS**

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



N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



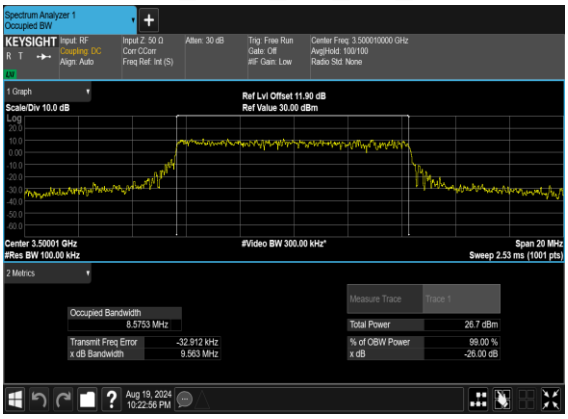
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.5766	9.836
77	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.5753	9.563
77	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.5699	9.399
77	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.5603	9.234
77	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.589	14.75
77	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.628	14.75
77	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.53	14.41
77	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.515	14.62
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.222	19.41
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.23	19.37
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.189	19.18
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.23	19.3
77	30	25	633334	3500.01	CP-OFDM QPSK	65@0	23.258	24.57
77	30	25	633334	3500.01	CP-OFDM 16 QAM	65@0	23.294	24.31
77	30	25	633334	3500.01	CP-OFDM 64 QAM	65@0	23.187	24.45
77	30	25	633334	3500.01	CP-OFDM 256 QAM	65@0	23.204	24.47
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.857	29.19
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.848	29.38
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.87	29.26
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.816	29.34
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.775	40.38
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.821	39.15
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.732	39.27
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.774	39.17
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.5	49.15
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.545	49.11
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.639	49.28
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.455	49.32
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.914	59.74
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.999	59.91
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	58.009	59.71
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.948	59.83
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.613	69.79
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.451	69.74
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.626	70.07
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.422	69.74

77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.513	80.16
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.465	80.01
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.587	79.9
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.411	79.91
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.55	90.2
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.49	90.29
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.475	90.37
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.524	90.3
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.59	100.5
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.355	100.4
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.657	100.5
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.681	100.5

N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

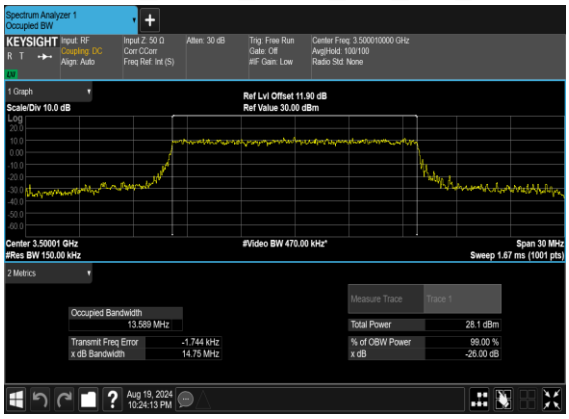
N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



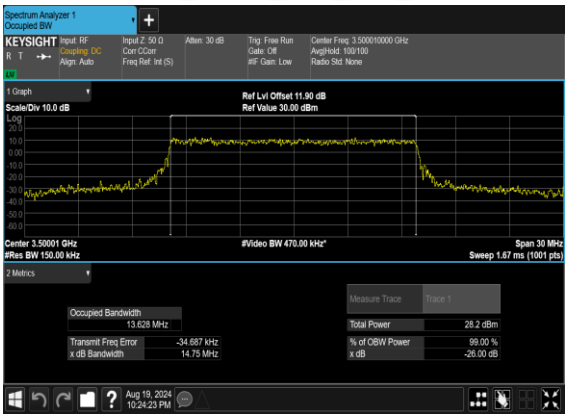
N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

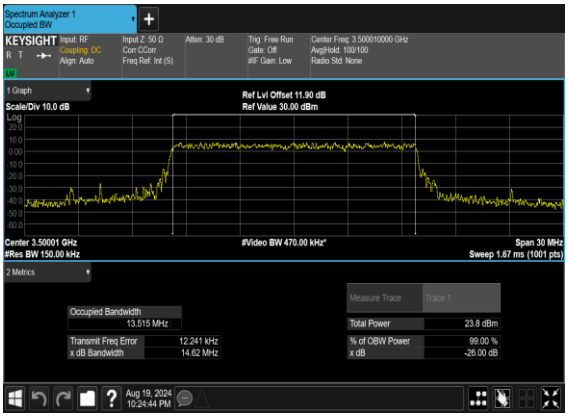


N77(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

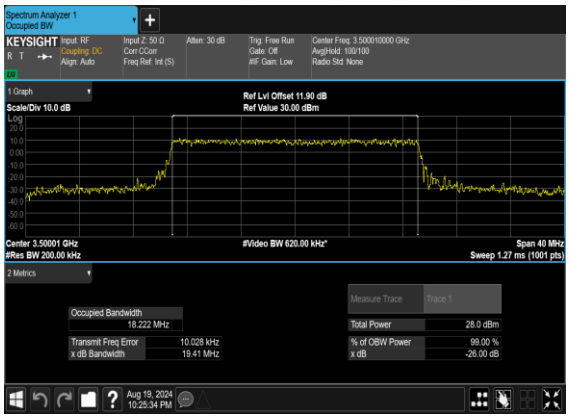


N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

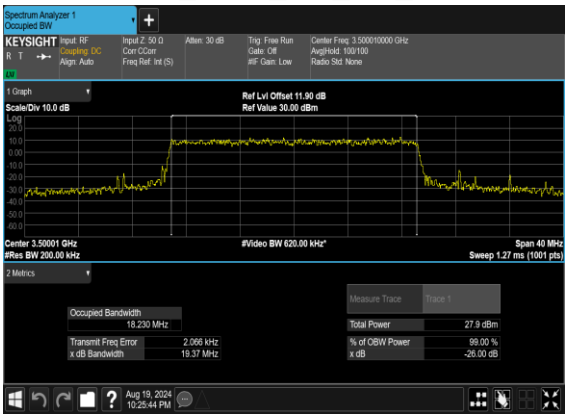
N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



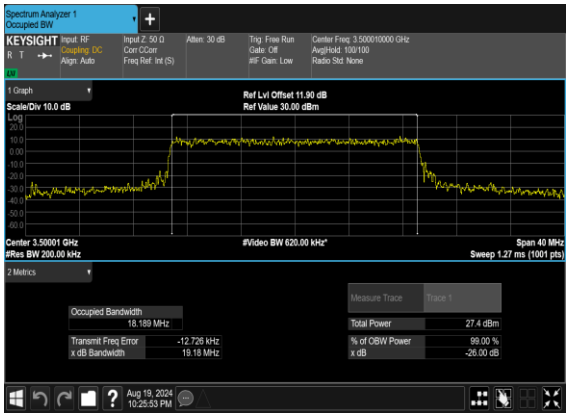
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

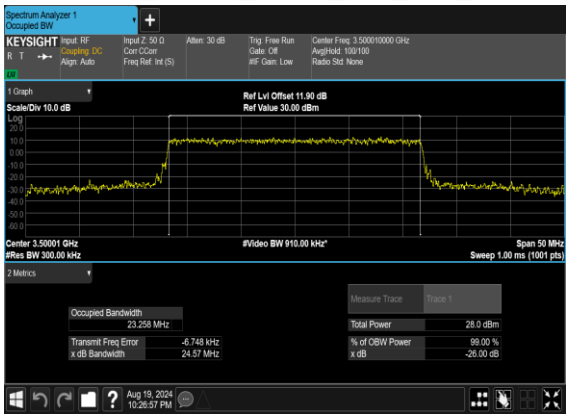


N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

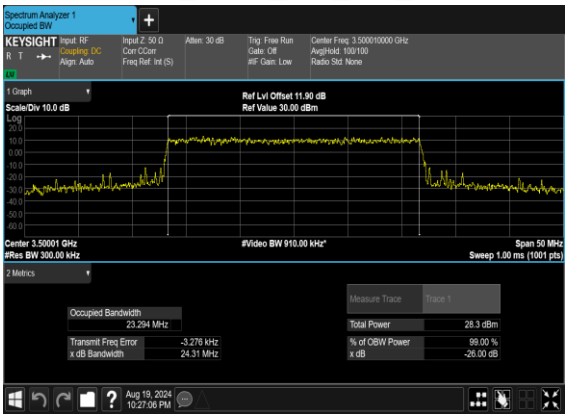


N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

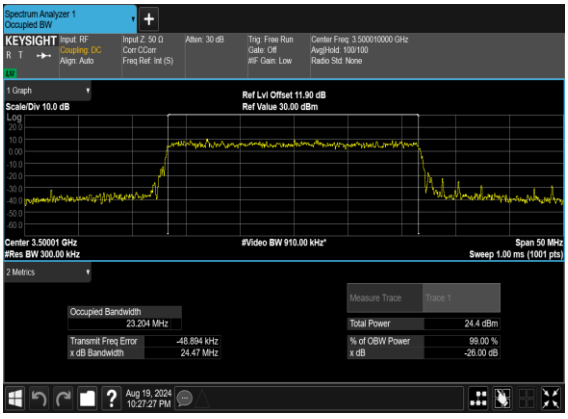


N77(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

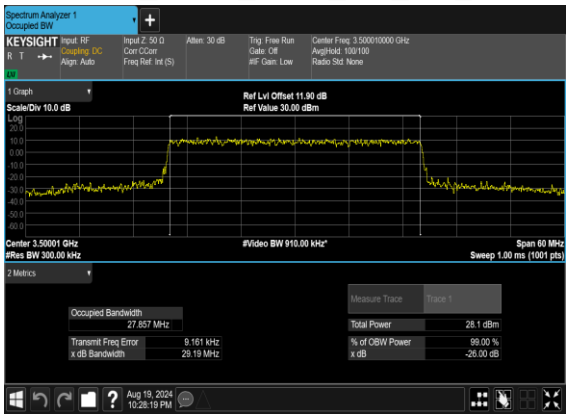


N77(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

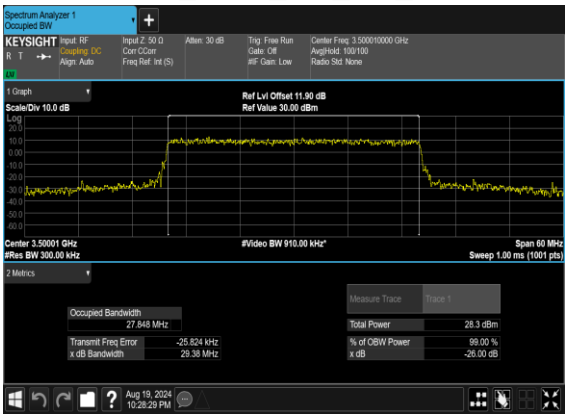
N77(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



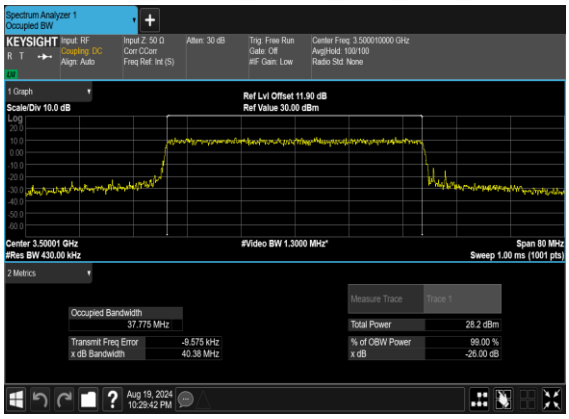
N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



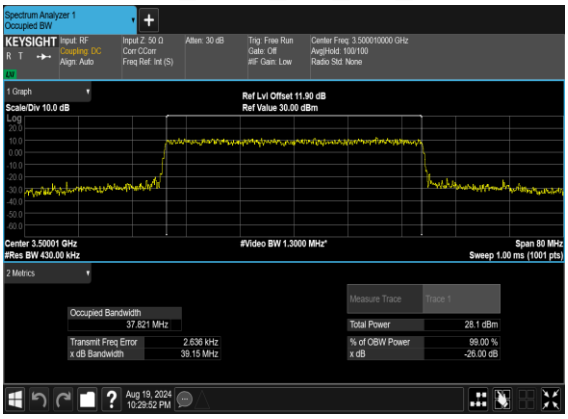
N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

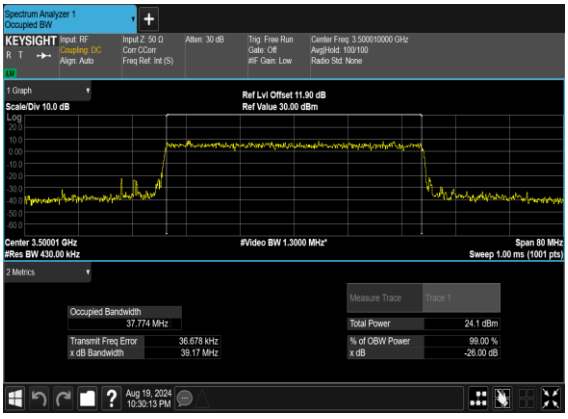


N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

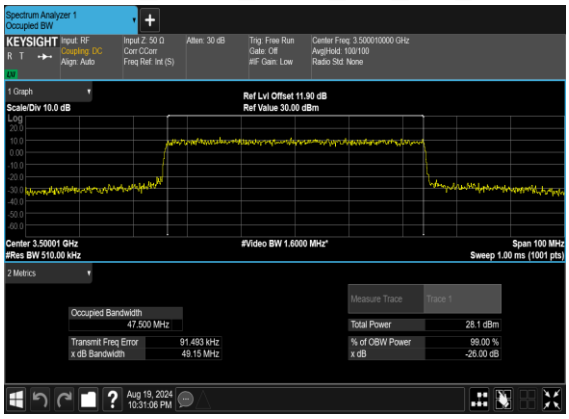


N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

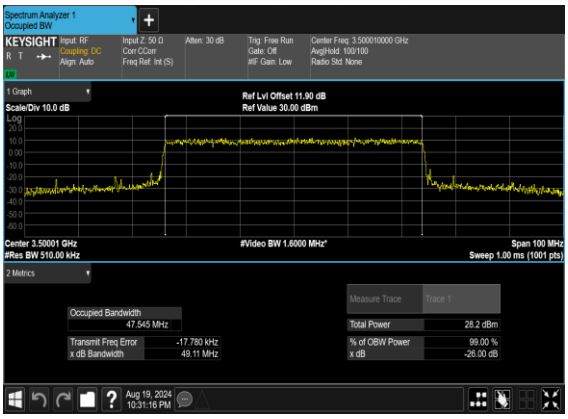
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



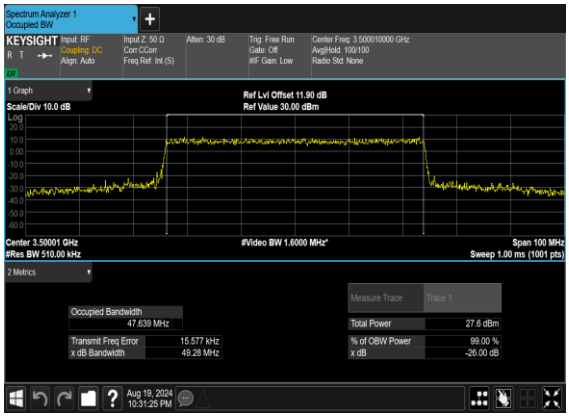
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



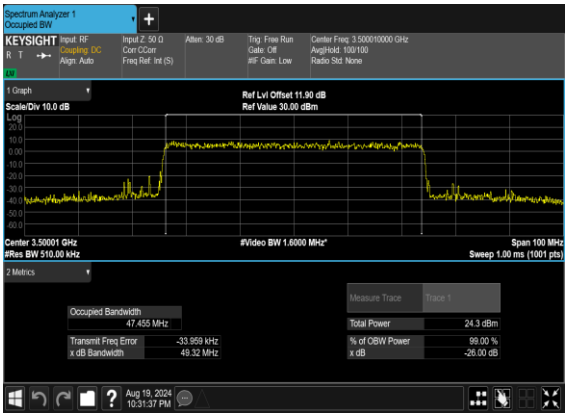
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



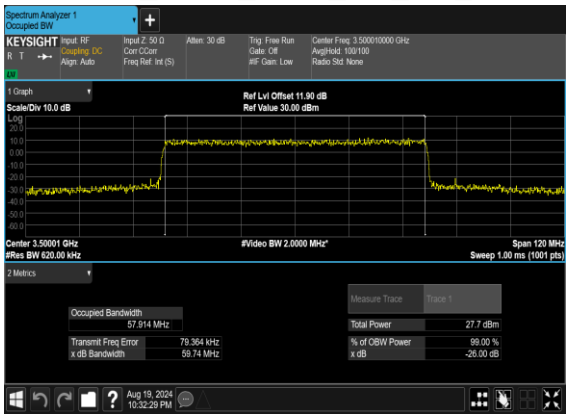
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



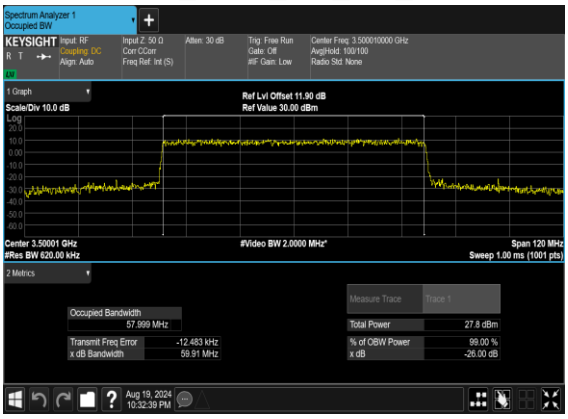
N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

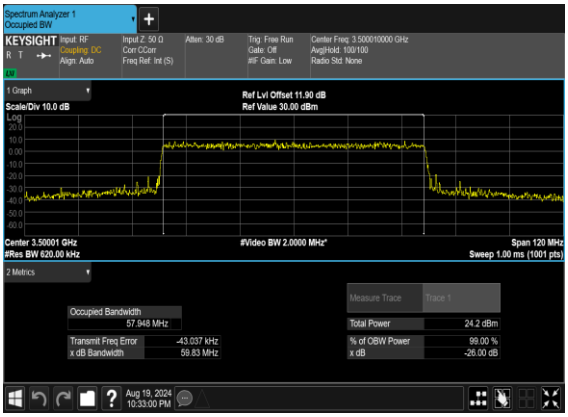


N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

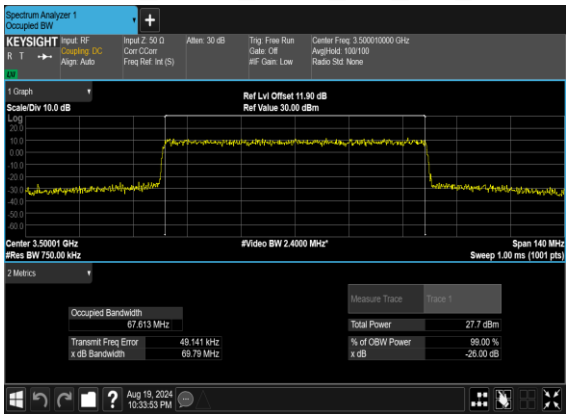


N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

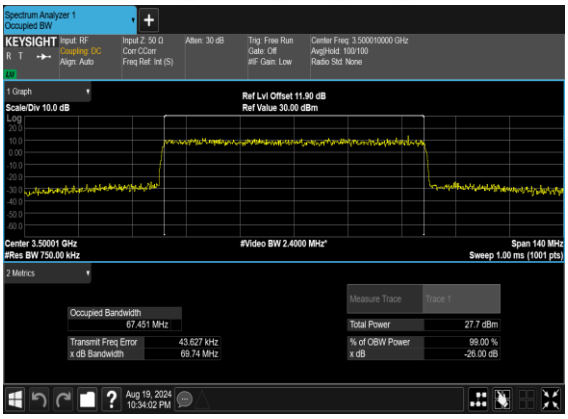
N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



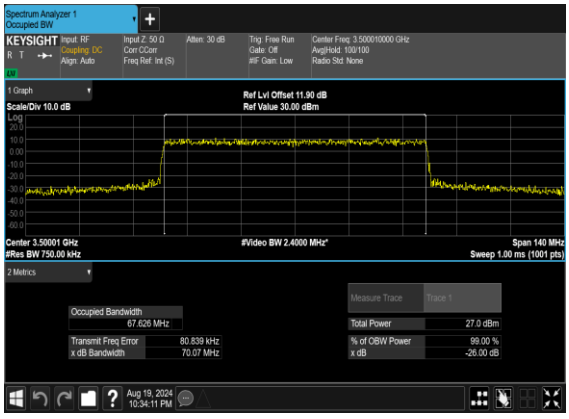
N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

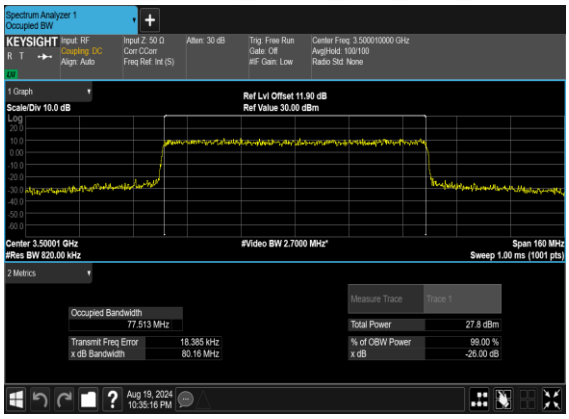


N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

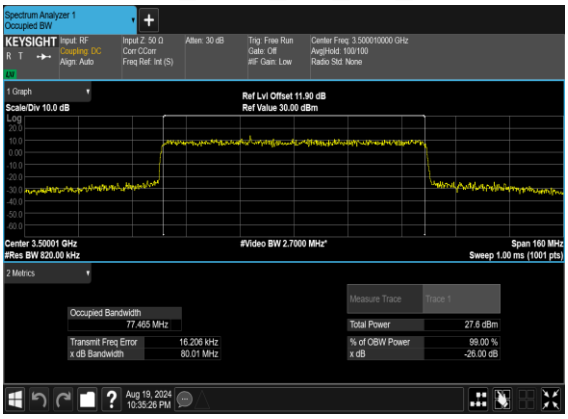


N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

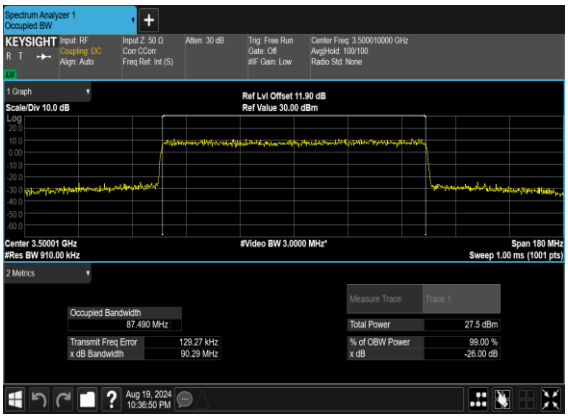


N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

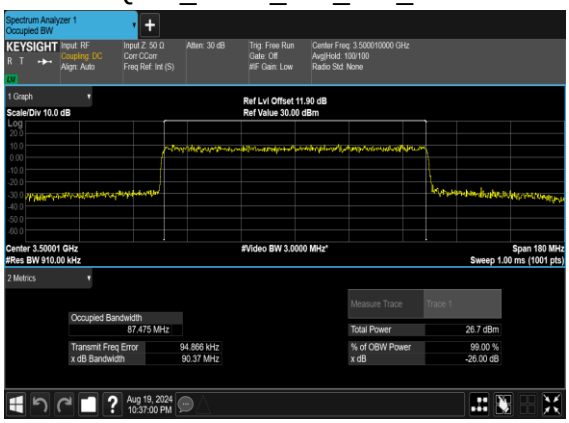
N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

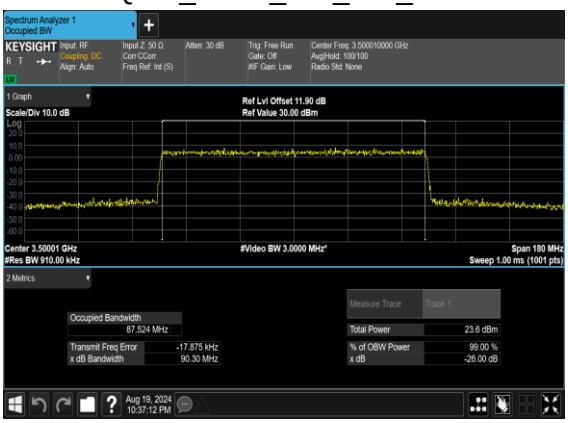
N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



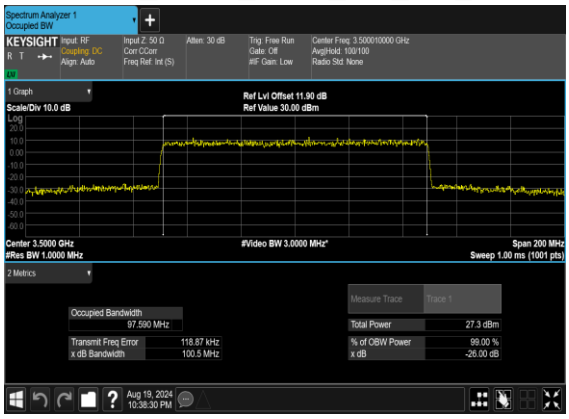
N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



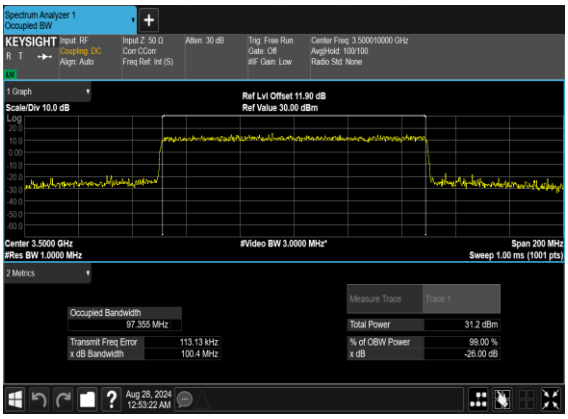
N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



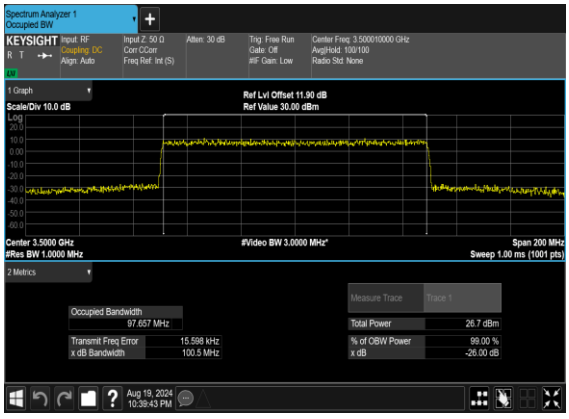
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



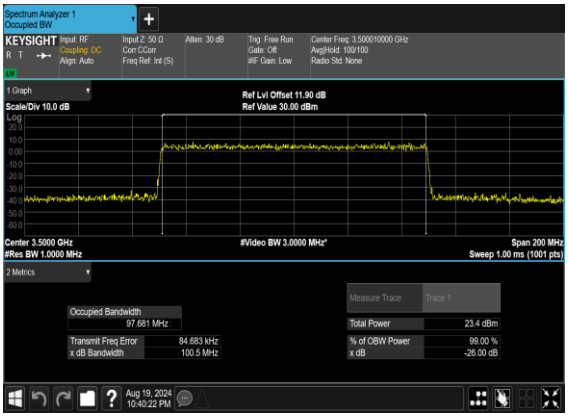
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

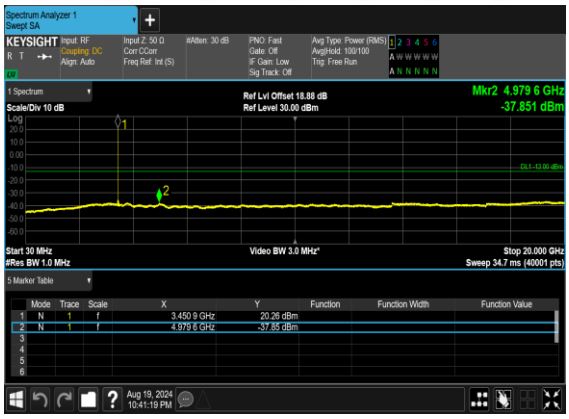


Conducted Spurious Emissions

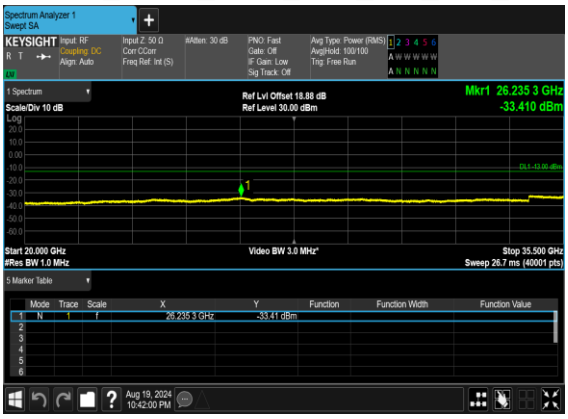
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM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

77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

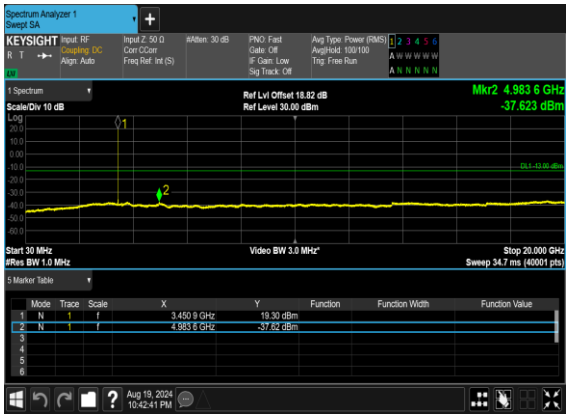
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



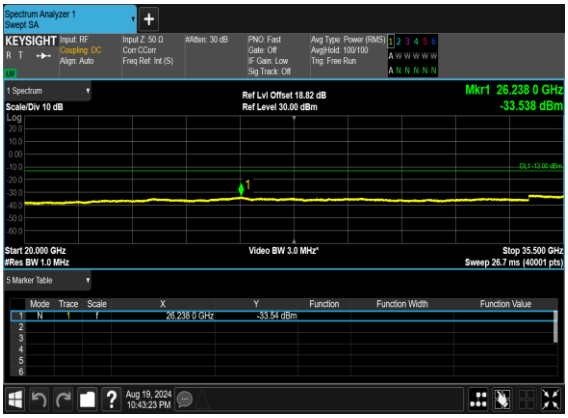
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



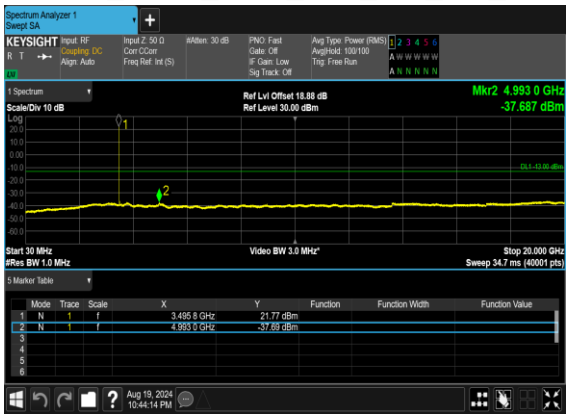
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



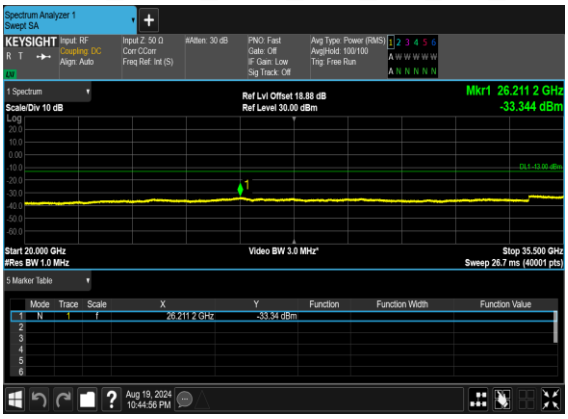
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



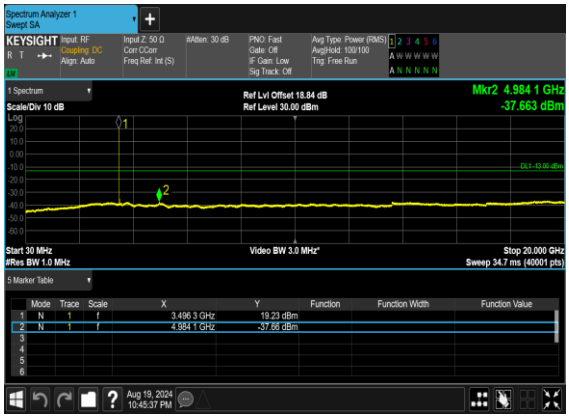
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



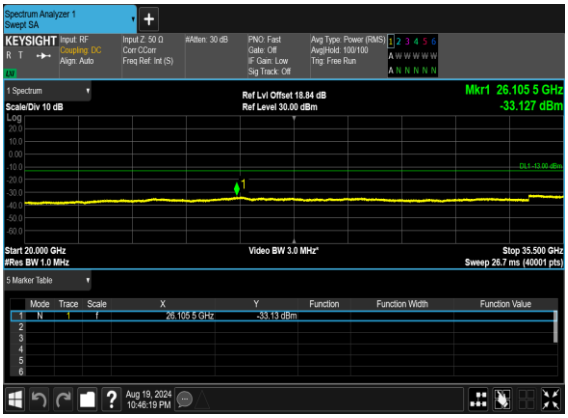
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



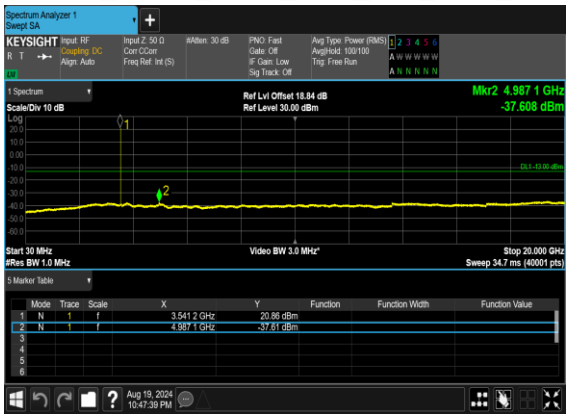
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



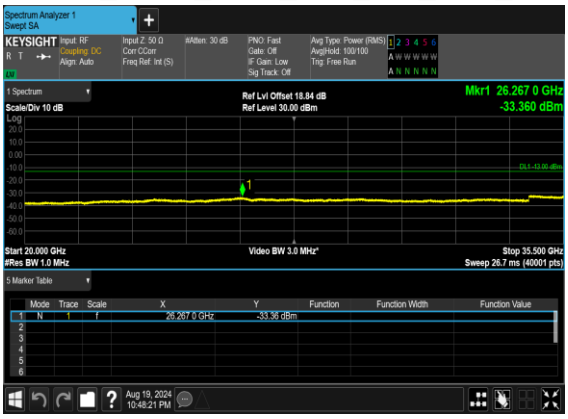
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



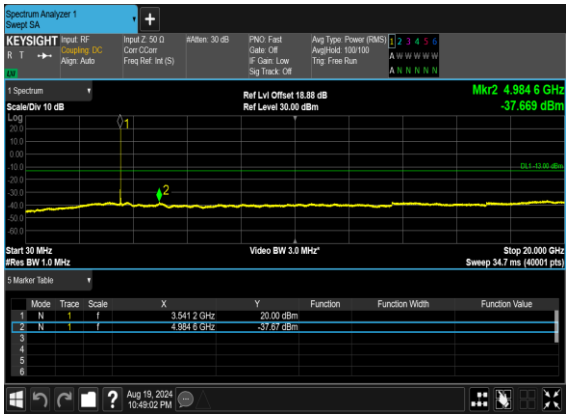
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



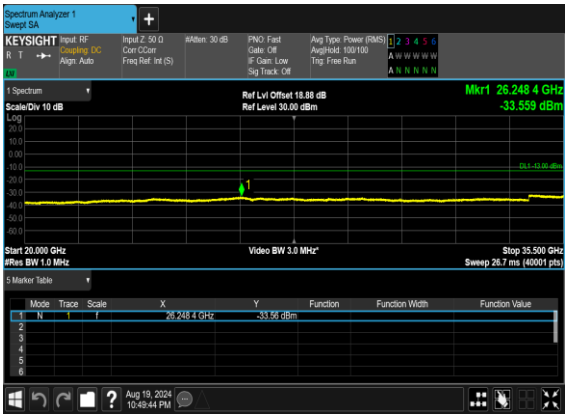
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



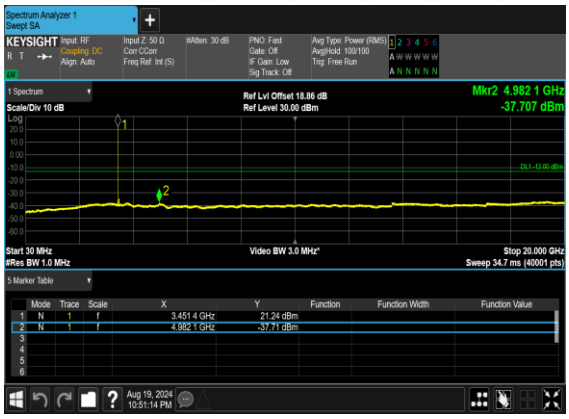
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



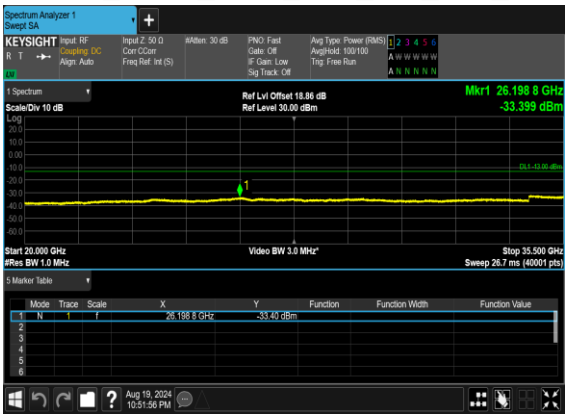
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



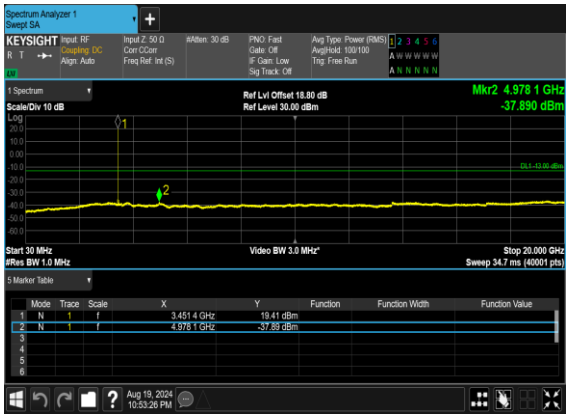
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



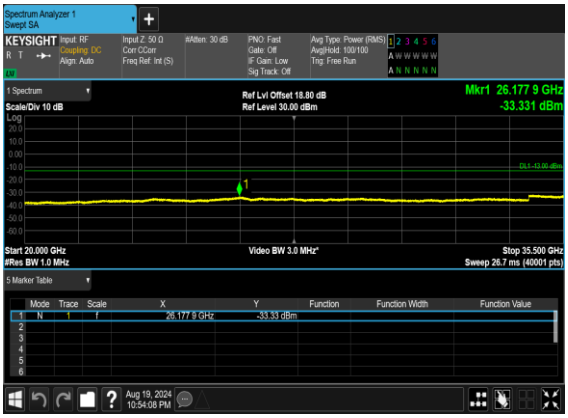
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



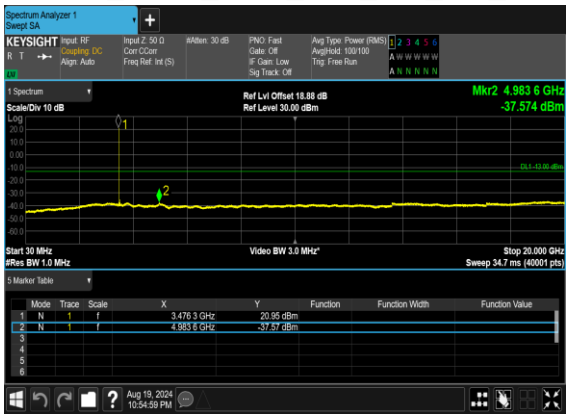
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



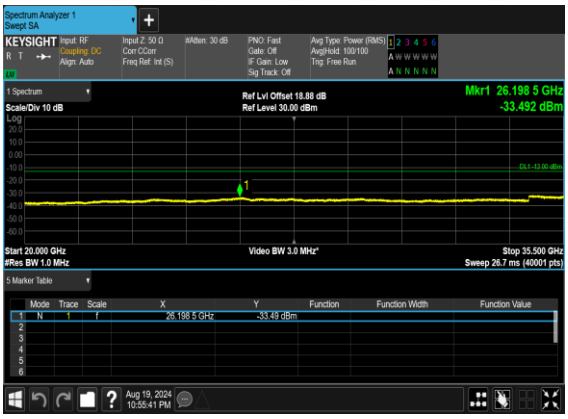
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



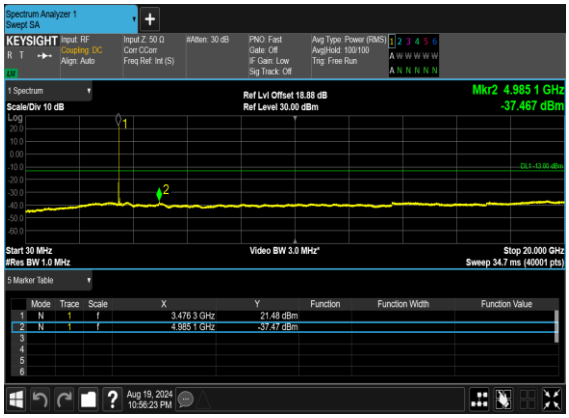
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



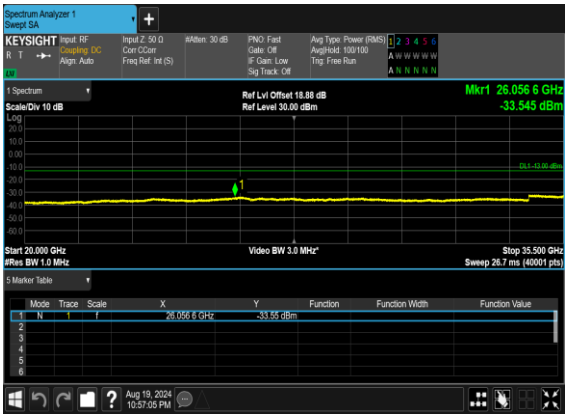
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



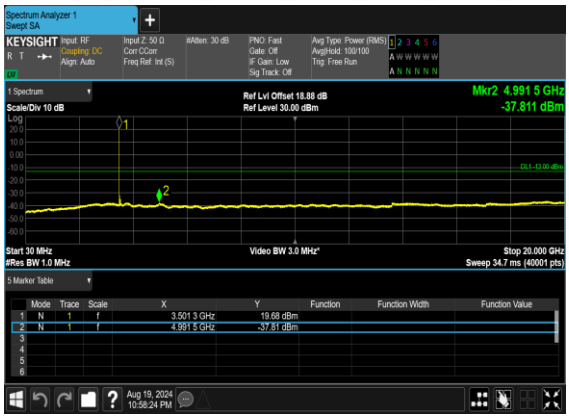
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



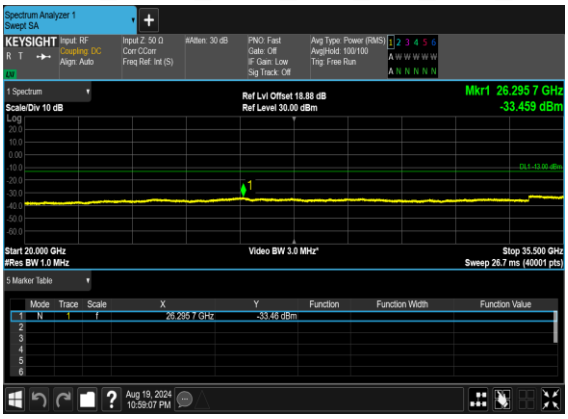
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



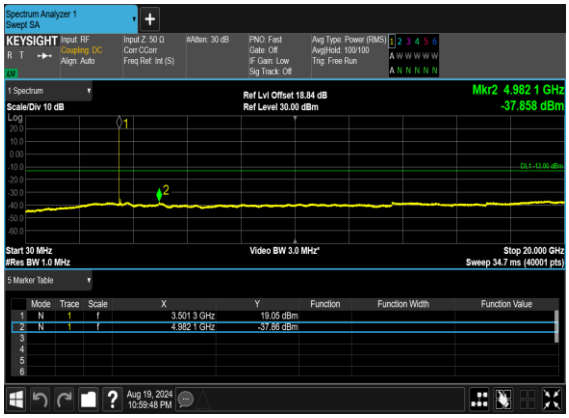
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



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