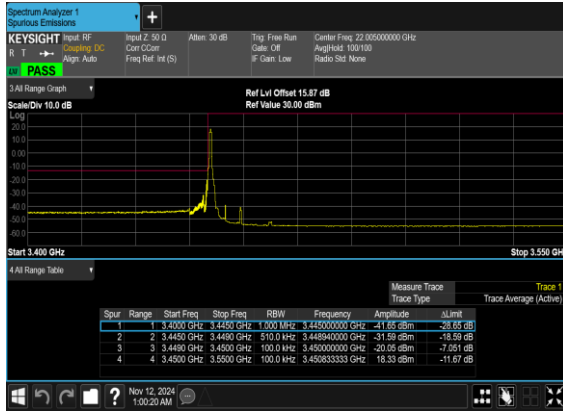
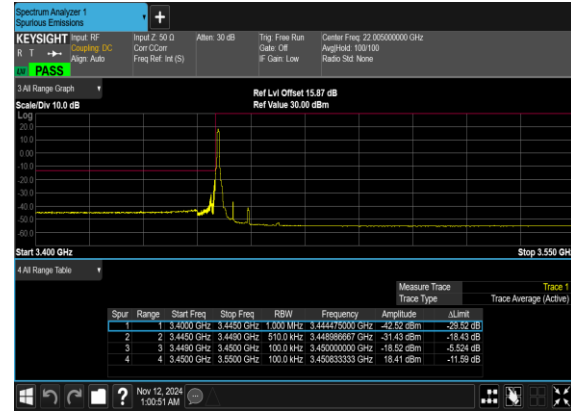




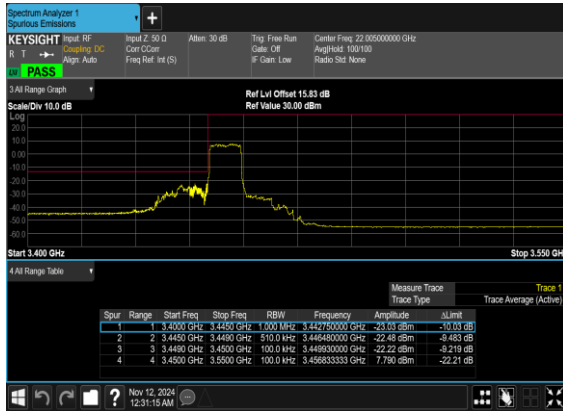
B5_N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



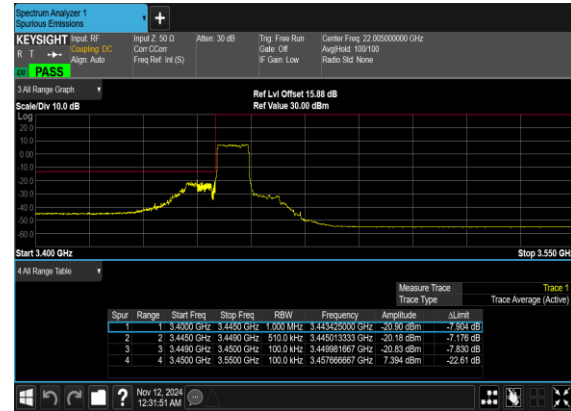
B5_N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B5_N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

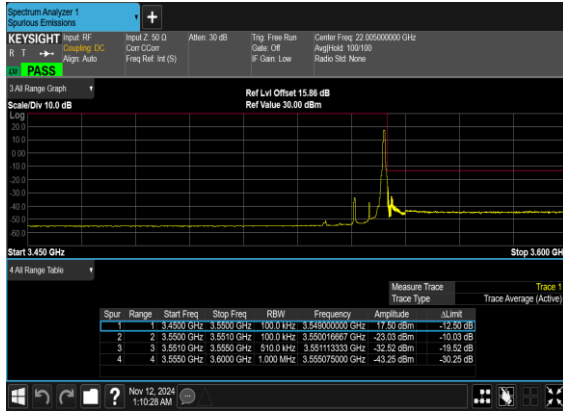


B5_N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





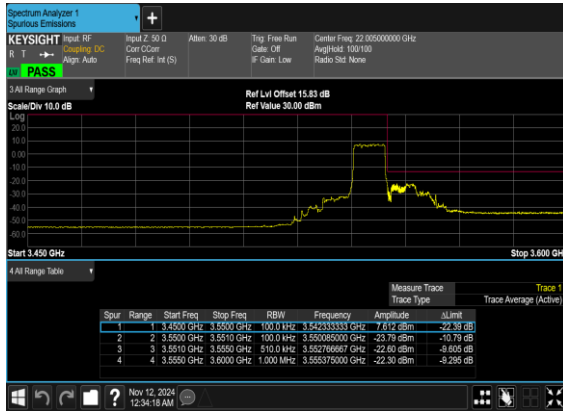
B5_N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



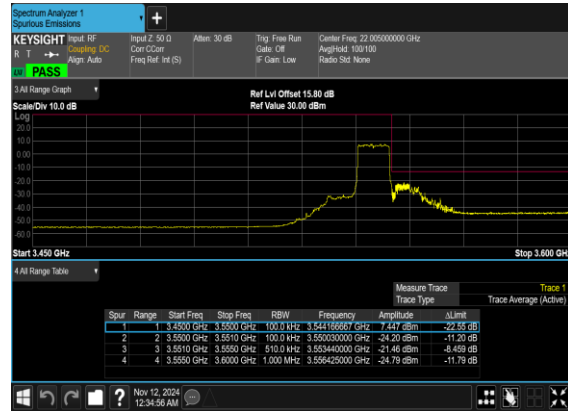
B5_N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B5_N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

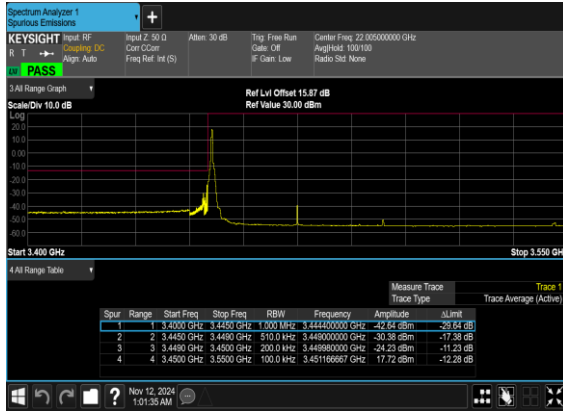


B5_N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

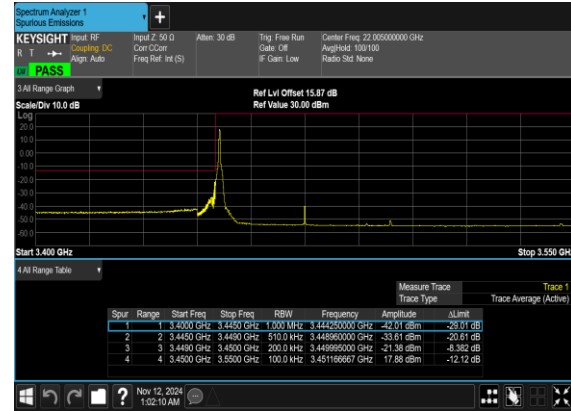




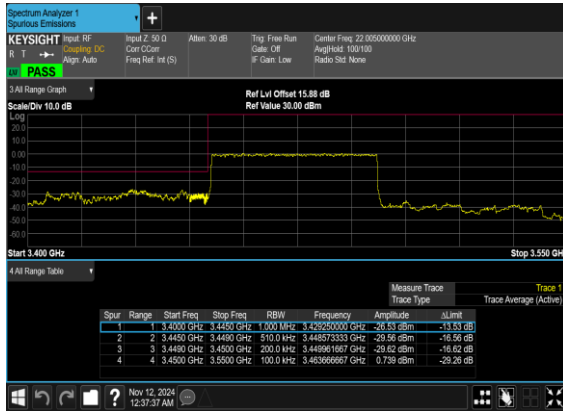
B5_N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



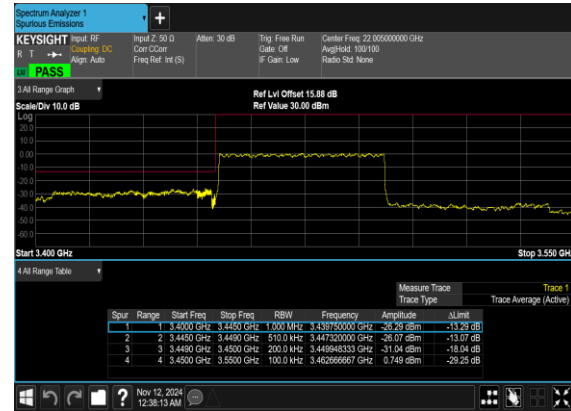
B5_N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B5_N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

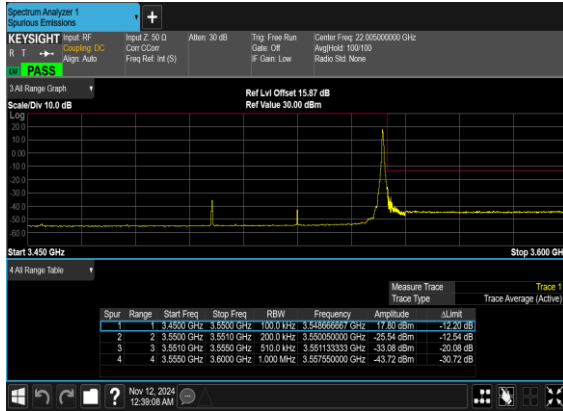


B5_N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





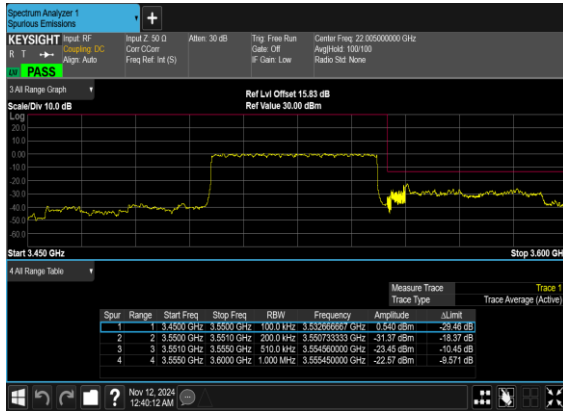
B5_N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



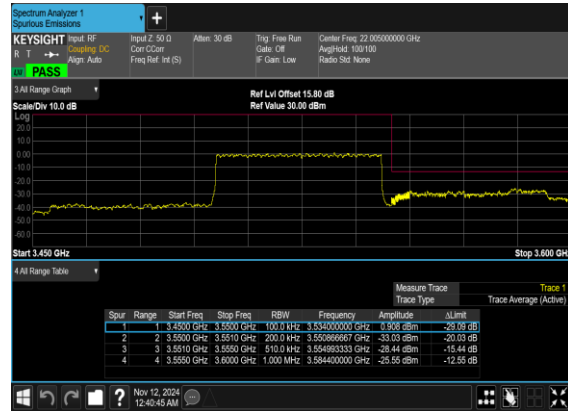
B5_N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B5_N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

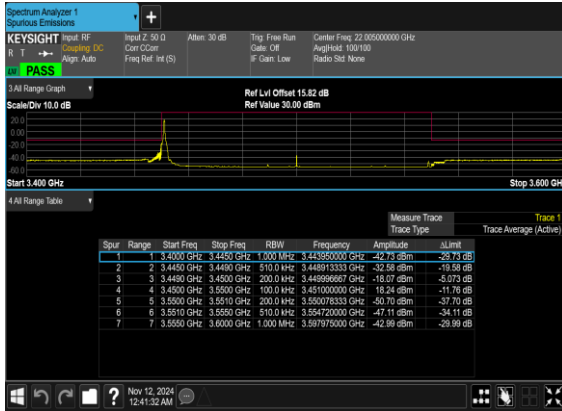


B5_N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

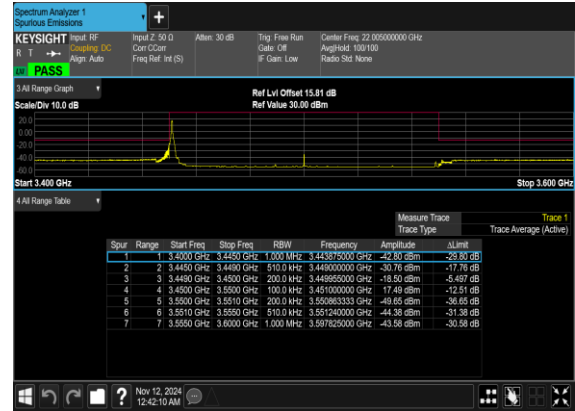




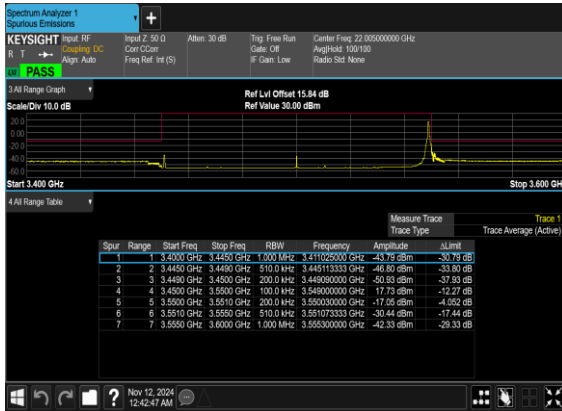
B5_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



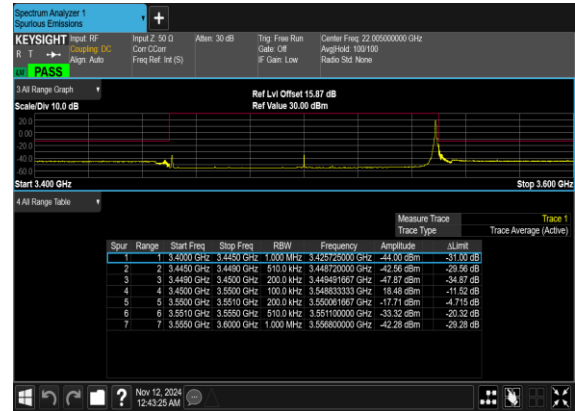
B5_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B5_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

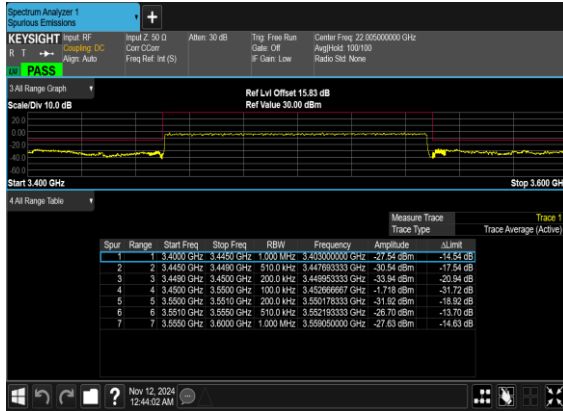


B5_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

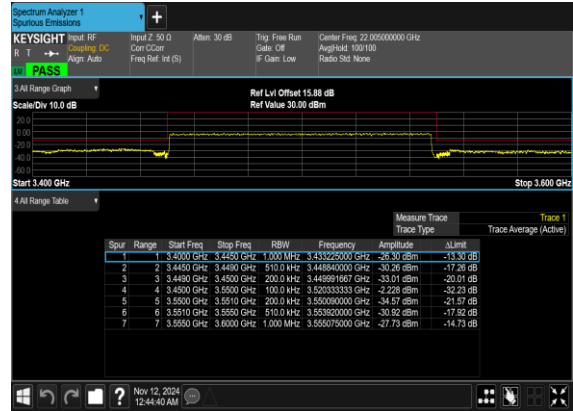




B5_N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



B5_N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH





Software Version: 23.06.1602

FR1 N78 (Ant.4) – Other PA

LTE Band: 5(Ant.0), LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power and EIRP, (G_T - L_c)= -0.5dB

NR Band	SCS	Band Width	Arfcn	Fre q(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.91	25.41	0.3475
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	25.06	24.56	0.2858
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.99	25.49	0.3540
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25	24.5	0.2818
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.77	25.27	0.3365
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.97	24.47	0.2799
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	26.01	25.51	0.3556
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	25.25	24.75	0.2985
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.92	25.42	0.3483
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.25	24.75	0.2985
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.88	25.38	0.3451
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	25.14	24.64	0.2911
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.97	25.47	0.3524
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	25.24	24.74	0.2979
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.01	25.51	0.3556
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.18	24.68	0.2938
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.98	25.48	0.3532
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.14	24.64	0.2911
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.97	25.47	0.3524
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	25.18	24.68	0.2938
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.03	25.53	0.3573
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.2	24.7	0.2951
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	26.03	25.53	0.3573
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	25.08	24.58	0.2871
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	26.06	25.56	0.3597
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	25.37	24.87	0.3069
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.98	25.48	0.3532
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.34	24.84	0.3048
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	26.09	25.59	0.3622
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	25.35	24.85	0.3055
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	26.05	25.55	0.3589
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	25.44	24.94	0.3119
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.08	25.58	0.3614



78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.32	24.82	0.3034
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	26.05	25.55	0.3589
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	25.36	24.86	0.3062
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.84	25.34	0.3420
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	25.12	24.62	0.2897
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.84	25.34	0.3420
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.03	24.53	0.2838
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.86	25.36	0.3436
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.98	24.48	0.2805
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	26.04	25.54	0.3581
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	25.28	24.78	0.3006
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.88	25.38	0.3451
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.09	24.59	0.2877
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.95	25.45	0.3508
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	25.11	24.61	0.2891
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.89	25.39	0.3459
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	25.14	24.64	0.2911
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.77	25.27	0.3365
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.01	24.51	0.2825
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.97	25.47	0.3524
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	25.1	24.6	0.2884
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.85	25.35	0.3428
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	25.12	24.62	0.2897
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.78	25.28	0.3373
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.01	24.51	0.2825
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.97	25.47	0.3524
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	25.18	24.68	0.2938
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.81	25.31	0.3396
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	25.04	24.54	0.2844
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.78	25.28	0.3373
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.05	24.55	0.2851
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.83	25.33	0.3412
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	25.09	24.59	0.2877
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK 135@67	1@1	25.69	25.19	0.3304
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.64	25.14	0.3266
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.55	25.05	0.3199
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.75	25.25	0.3350
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.19	25.69	0.3707
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.51	25.01	0.3170
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.08	24.58	0.2871
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.98	24.48	0.2805



78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.74	24.24	0.2655
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.57	23.07	0.2028
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.52	23.02	0.2004
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.35	22.85	0.1928
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.48	20.98	0.1253
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.38	20.88	0.1225
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	21.12	20.62	0.1153
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.39	23.89	0.2449
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.47	23.97	0.2495
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.31	23.81	0.2404



Software Version: 23.06.1602

ULMIMO P27Q N77 ANT7+4

Transmitter Conducted Output Power and EIRP, (G_T - L_c)= -0.5dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	ANT7 Power (dBm)	ANT4 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	CP-OFDM QPSK	1@1	24.58	24.94	27.77	27.27	0.5333
77	30	10	630334	3455.01	CP-OFDM 16 QAM	1@1	24.19	24.4	27.31	26.81	0.4797
77	30	10	633334	3500.01	CP-OFDM QPSK	1@1	24.55	24.75	27.66	27.16	0.5200
77	30	10	633334	3500.01	CP-OFDM 16 QAM	1@1	24.43	24.14	27.30	26.8	0.4786
77	30	10	636332	3544.98	CP-OFDM QPSK	1@1	24.45	24.61	27.54	27.04	0.5058
77	30	10	636332	3544.98	CP-OFDM 16 QAM	1@1	24.1	24.13	27.13	26.63	0.4603
77	30	15	630500	3457.5	CP-OFDM QPSK	1@1	24.61	25.07	27.86	27.36	0.5445
77	30	15	630500	3457.5	CP-OFDM 16 QAM	1@1	24.62	25.01	27.83	27.33	0.5408
77	30	15	633334	3500.01	CP-OFDM QPSK	1@1	24.59	24.94	27.78	27.28	0.5346
77	30	15	633334	3500.01	CP-OFDM 16 QAM	1@1	24.51	24.35	27.44	26.94	0.4943
77	30	15	636166	3542.49	CP-OFDM QPSK	1@1	24.9	24.62	27.77	27.27	0.5333
77	30	15	636166	3542.49	CP-OFDM 16 QAM	1@1	24.51	24.31	27.42	26.92	0.4920
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	24.62	25.18	27.92	27.42	0.5521
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@1	24.53	24.8	27.68	27.18	0.5224
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	24.62	24.93	27.79	27.29	0.5358
77	30	20	633334	3500.01	CP-OFDM 16 QAM	1@1	24.53	24.37	27.46	26.96	0.4966
77	30	20	636000	3540	CP-OFDM QPSK	1@1	24.59	24.77	27.69	27.19	0.5236
77	30	20	636000	3540	CP-OFDM 16 QAM	1@1	24.5	24.2	27.36	26.86	0.4853
77	30	25	630834	3462.51	CP-OFDM QPSK	1@1	24.64	25.15	27.91	27.41	0.5508
77	30	25	630834	3462.51	CP-OFDM 16 QAM	1@1	24.46	24.61	27.55	27.05	0.5070
77	30	25	633334	3500.01	CP-OFDM QPSK	1@1	24.72	25	27.87	27.37	0.5458
77	30	25	633334	3500.01	CP-OFDM 16 QAM	1@1	24.59	24.29	27.45	26.95	0.4955
77	30	25	635832	3537.48	CP-OFDM QPSK	1@1	24.68	24.87	27.79	27.29	0.5358
77	30	25	635832	3537.48	CP-OFDM 16 QAM	1@1	24.6	24.3	27.46	26.96	0.4966
77	30	30	631000	3465	CP-OFDM QPSK	1@1	24.79	25.17	27.99	27.49	0.5610
77	30	30	631000	3465	CP-OFDM 16 QAM	1@1	24.56	24.74	27.66	27.16	0.5200
77	30	30	633334	3500.01	CP-OFDM QPSK	1@1	24.9	25.07	28.00	27.5	0.5623
77	30	30	633334	3500.01	CP-OFDM 16 QAM	1@1	24.59	24.5	27.56	27.06	0.5082
77	30	30	635666	3534.99	CP-OFDM QPSK	1@1	24.85	25.02	27.95	27.45	0.5559
77	30	30	635666	3534.99	CP-OFDM 16 QAM	1@1	24.55	24.52	27.55	27.05	0.5070
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	24.79	25.27	28.05	27.55	0.5689
77	30	40	631334	3470.01	CP-OFDM 16 QAM	1@1	24.61	24.67	27.65	27.15	0.5188
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	24.9	25.18	28.05	27.55	0.5689
77	30	40	633334	3500.01	CP-OFDM 16 QAM	1@1	24.71	24.61	27.67	27.17	0.5212



77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	24.91	25.19	28.06	27.56	0.5702
77	30	40	635332	3529.98	CP-OFDM 16 QAM	1@1	24.87	25.12	28.01	27.51	0.5636
77	30	50	631668	3475.02	CP-OFDM QPSK	1@1	24.71	25.08	27.91	27.41	0.5508
77	30	50	631668	3475.02	CP-OFDM 16 QAM	1@1	24.47	24.56	27.53	27.03	0.5047
77	30	50	633334	3500.01	CP-OFDM QPSK	1@1	24.59	24.92	27.77	27.27	0.5333
77	30	50	633334	3500.01	CP-OFDM 16 QAM	1@1	24.16	24.52	27.35	26.85	0.4842
77	30	50	635000	3525	CP-OFDM QPSK	1@1	24.69	24.91	27.81	27.31	0.5383
77	30	50	635000	3525	CP-OFDM 16 QAM	1@1	24.6	24.87	27.75	27.25	0.5309
77	30	60	632000	3480	CP-OFDM QPSK	1@1	24.65	25.11	27.90	27.4	0.5495
77	30	60	632000	3480	CP-OFDM 16 QAM	1@1	24.5	24.58	27.55	27.05	0.5070
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	24.65	25.04	27.86	27.36	0.5445
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@1	24.29	24.48	27.40	26.9	0.4898
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	24.63	24.97	27.81	27.31	0.5383
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@1	24.29	24.43	27.37	26.87	0.4864
77	30	70	632334	3485.01	CP-OFDM QPSK	1@1	24.64	25.06	27.87	27.37	0.5458
77	30	70	632334	3485.01	CP-OFDM 16 QAM	1@1	24.31	24.58	27.46	26.96	0.4966
77	30	70	633334	3500.01	CP-OFDM QPSK	1@1	24.52	25.1	27.83	27.33	0.5408
77	30	70	633334	3500.01	CP-OFDM 16 QAM	1@1	24.31	24.46	27.40	26.9	0.4898
77	30	70	634332	3514.98	CP-OFDM QPSK	1@1	24.61	24.96	27.80	27.3	0.5370
77	30	70	634332	3514.98	CP-OFDM 16 QAM	1@1	24.39	24.44	27.43	26.93	0.4932
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	24.58	25.07	27.84	27.34	0.5420
77	30	80	632668	3490.02	CP-OFDM 16 QAM	1@1	24.26	24.5	27.39	26.89	0.4887
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	24.55	25.04	27.81	27.31	0.5383
77	30	80	633334	3500.01	CP-OFDM 16 QAM	1@1	24.29	24.44	27.38	26.88	0.4875
77	30	80	634000	3510	CP-OFDM QPSK	1@1	24.59	25.08	27.85	27.35	0.5433
77	30	80	634000	3510	CP-OFDM 16 QAM	1@1	24.36	24.52	27.45	26.95	0.4955
77	30	90	633000	3495	CP-OFDM QPSK	1@1	24.66	25.13	27.91	27.41	0.5508
77	30	90	633000	3495	CP-OFDM 16 QAM	1@1	24.26	24.57	27.43	26.93	0.4932
77	30	90	633334	3500.01	CP-OFDM QPSK	1@1	24.56	25.12	27.86	27.36	0.5445
77	30	90	633334	3500.01	CP-OFDM 16 QAM	1@1	24.21	24.57	27.40	26.9	0.4898
77	30	90	633666	3504.99	CP-OFDM QPSK	1@1	24.59	25.09	27.86	27.36	0.5445
77	30	90	633666	3504.99	CP-OFDM 16 QAM	1@1	24.29	24.59	27.45	26.95	0.4955
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.39	24.65	27.53	27.03	0.5047
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	25.04	25.08	28.07	27.57	0.5715
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.31	24.34	27.34	26.84	0.4831
77	30	100	633334	3500.01	CP-OFDM 16 QAM	137@68	23.8	24.14	26.98	26.48	0.4446
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	24.26	24.62	27.45	26.95	0.4955
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@271	24.06	23.89	26.99	26.49	0.4457
77	30	100	633334	3500.01	CP-OFDM 64 QAM	137@68	21.99	22.3	25.16	24.66	0.2924
77	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	22.39	22.65	25.53	25.03	0.3184
77	30	100	633334	3500.01	CP-OFDM 64 QAM	1@271	21.92	21.77	24.86	24.36	0.2729



77	30	100	633334	3500.01	CP-OFDM 256 QAM	137@68	17.87	18.32	21.11	20.61	0.1151
77	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	18.19	18.89	21.56	21.06	0.1276
77	30	100	633334	3500.01	CP-OFDM 256 QAM	1@271	17.91	18.11	21.02	20.52	0.1127

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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	CP-OFDM QPSK	51@0	11	PASS	NV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	13.3	PASS	LV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	16.9	PASS	HV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	16.5	PASS	-30°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	12	PASS	-20°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	12.1	PASS	-10°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	16.7	PASS	0°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	13.9	PASS	10°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	16	PASS	20°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	16.3	PASS	30°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	17.5	PASS	40°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	11.2	PASS	50°C

|MAX(Δf)| = 17.5 Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
fL - MAX(Δf)	3450.784127	≥ 3450 MHz	PASS
fH + MAX(Δf)	3548.678569	≤ 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	CP-OFDM QPSK	51@0	6.53	13	PASS

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH





Occupied Bandwidth

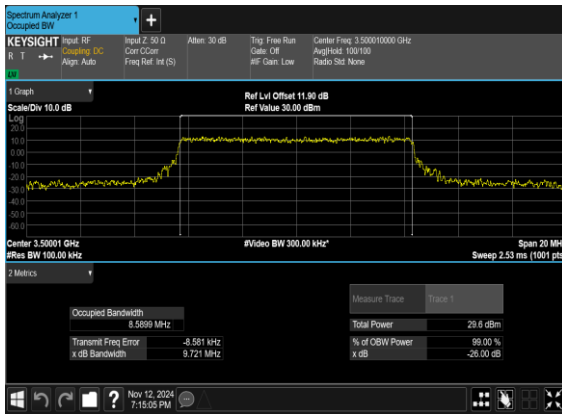
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.5899	9.721
77	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.5799	9.879
77	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.5895	9.662
77	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.5572	9.602
77	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.571	14.54
77	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.599	14.8
77	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.56	14.75
77	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.614	14.41
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.214	18.95
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.2	19.79
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.186	19.65
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.188	19.02
77	30	25	633334	3500.01	CP-OFDM QPSK	65@0	23.282	24.34
77	30	25	633334	3500.01	CP-OFDM 16 QAM	65@0	23.14	24.15
77	30	25	633334	3500.01	CP-OFDM 64 QAM	65@0	23.209	24.5
77	30	25	633334	3500.01	CP-OFDM 256 QAM	65@0	23.185	24.36
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.775	29.24
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.838	29.32
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.824	29.14
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.781	29.09
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.84	39.61
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.871	39.35
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.819	39.36



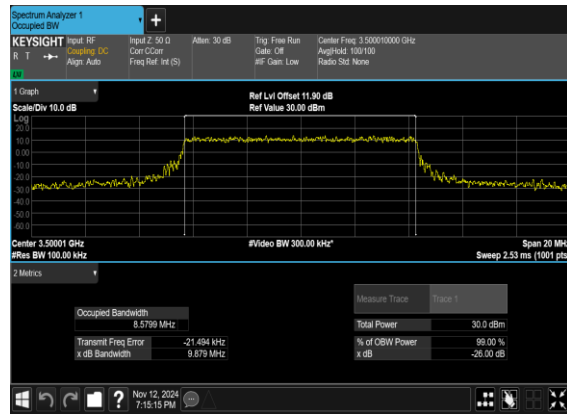
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.716	39.33
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.382	48.96
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.455	49.11
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.395	49.22
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.238	49.28
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.793	59.76
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.831	59.89
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.85	59.94
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.798	59.94
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.488	69.87
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.617	69.99
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.509	69.75
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.379	69.91
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.321	79.91
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.56	79.92
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.41	79.9
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.306	80.04
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.474	90.17
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.378	90.54
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.657	90.23
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.409	90.14
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.311	100.5
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.633	100.5
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.509	100.6
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.372	100.6



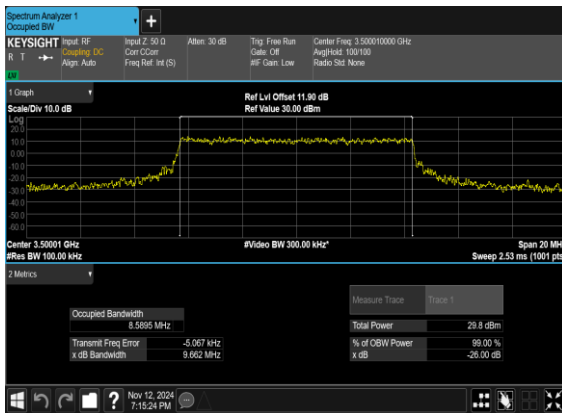
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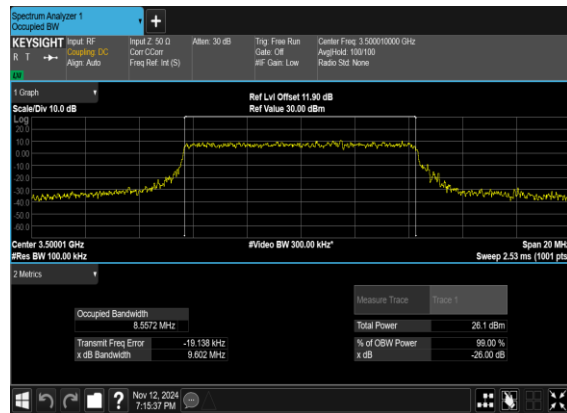
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N77(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

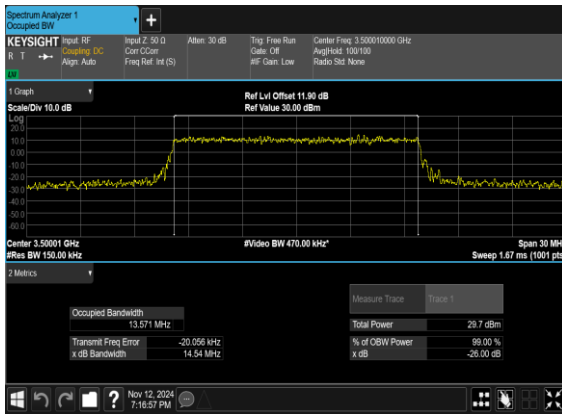


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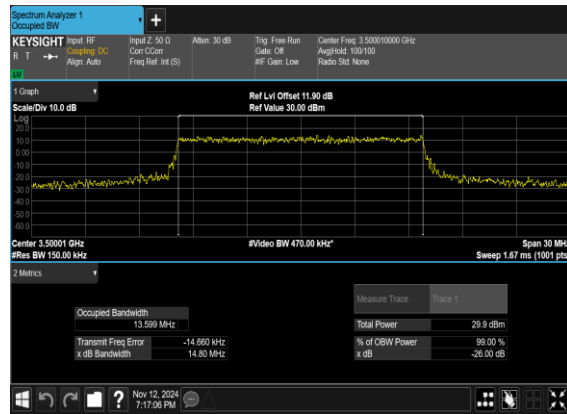




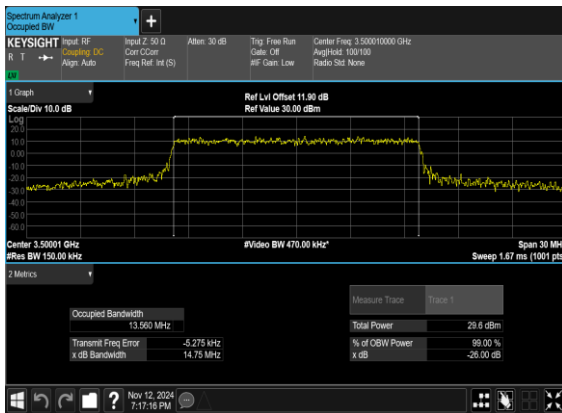
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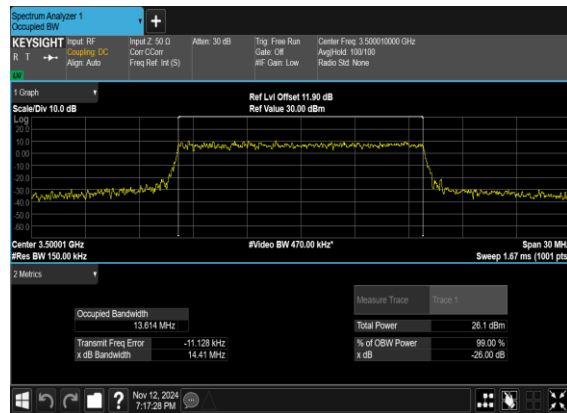
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N77(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

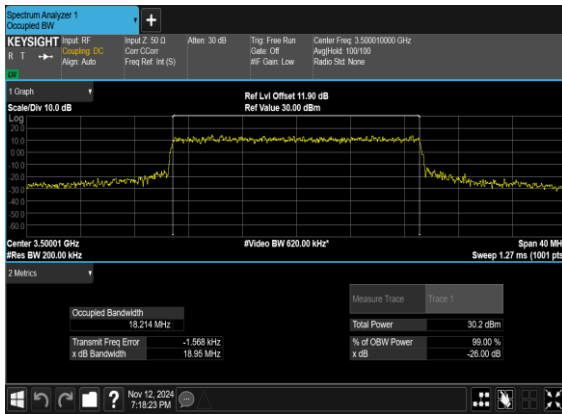


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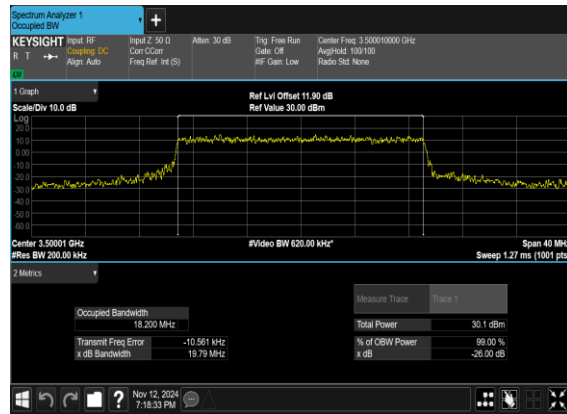




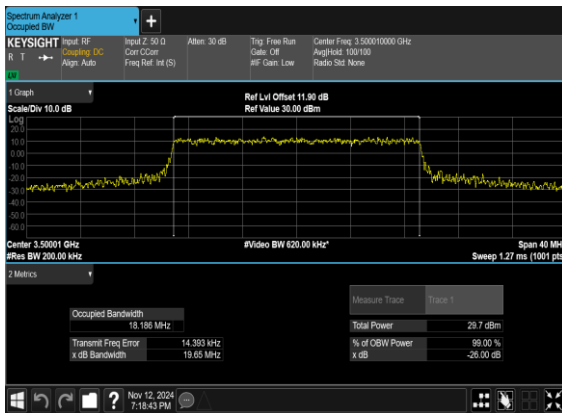
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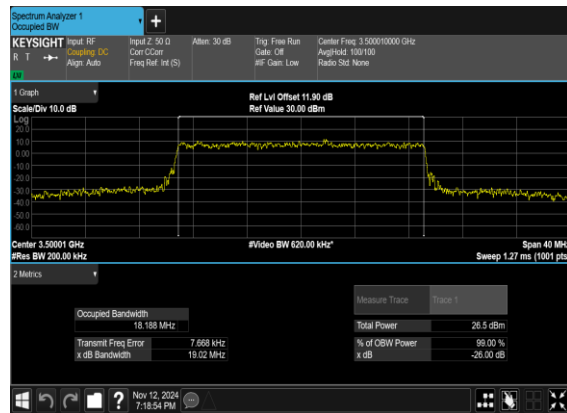
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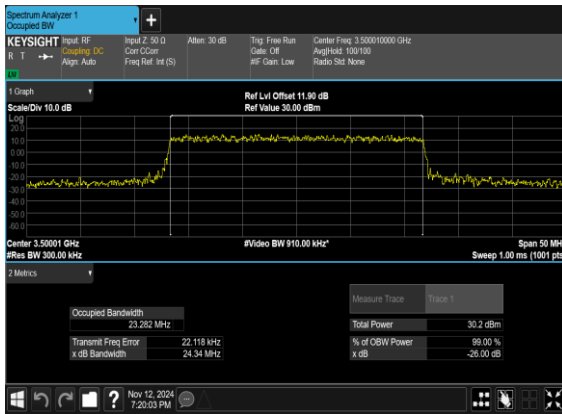


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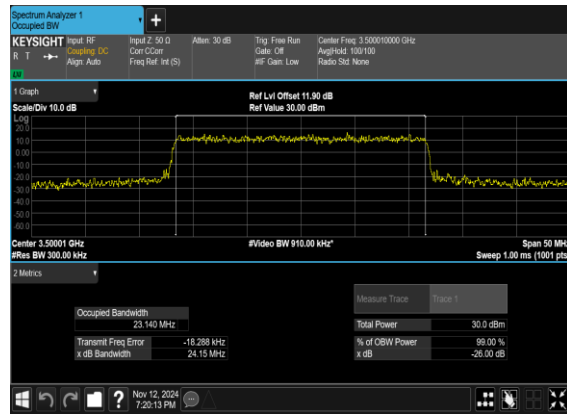




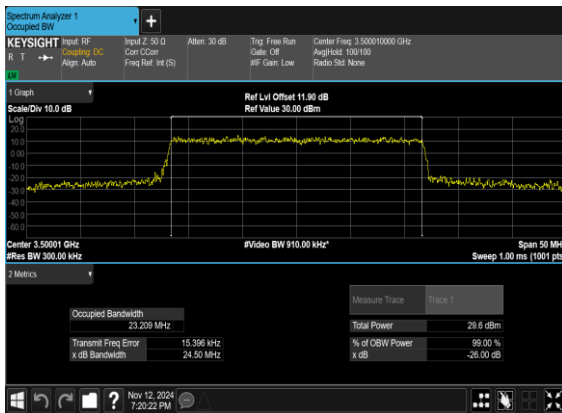
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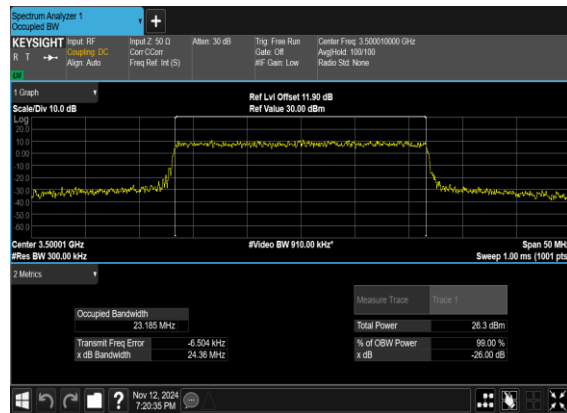
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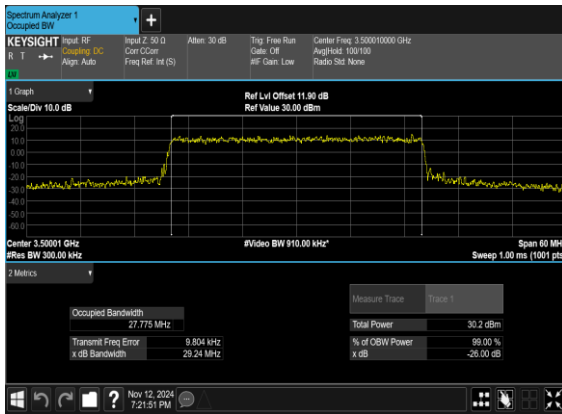


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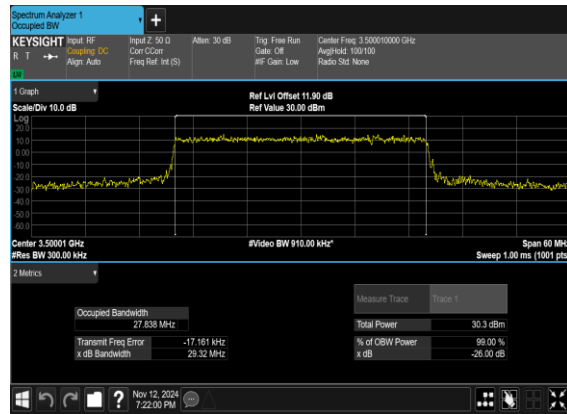




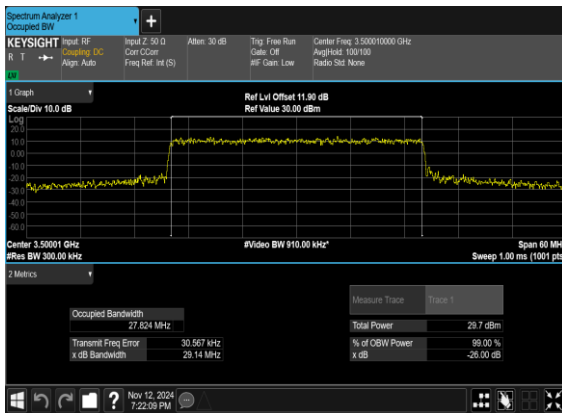
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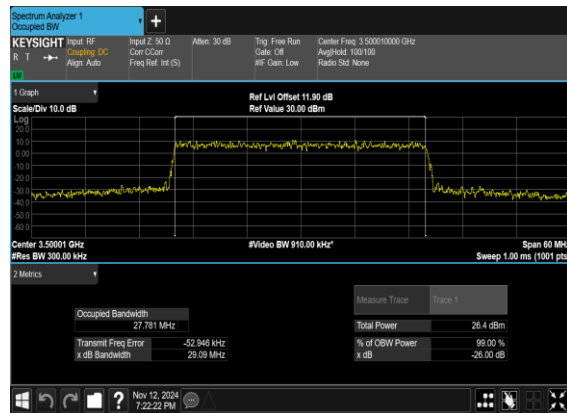
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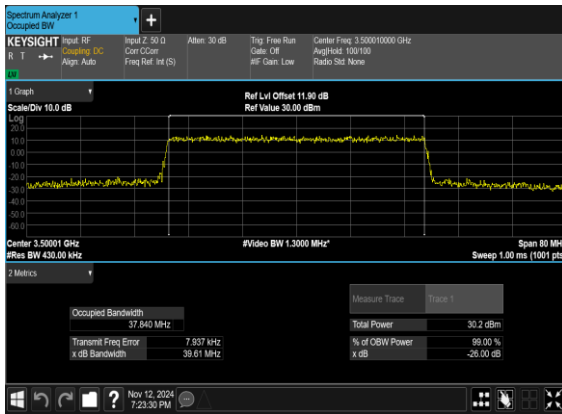


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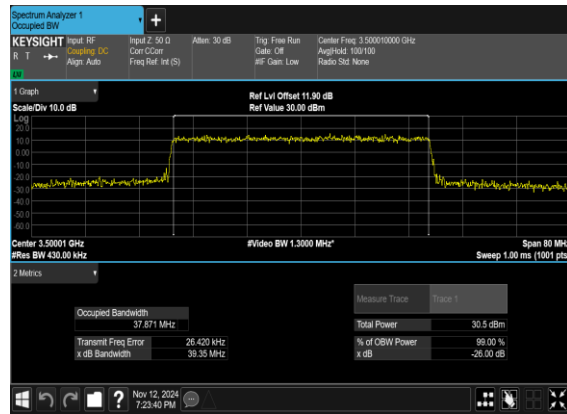




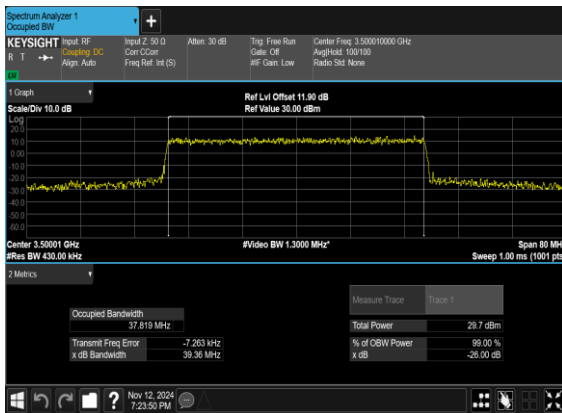
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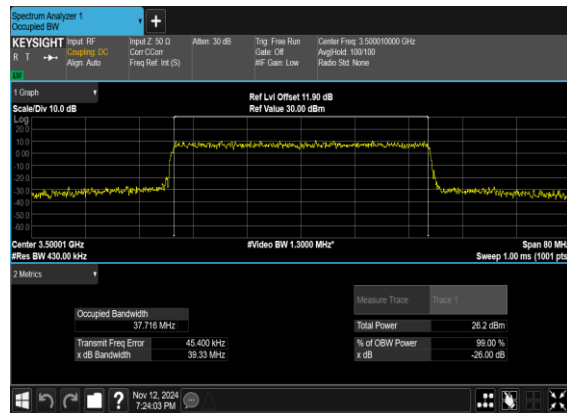
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N77(40M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

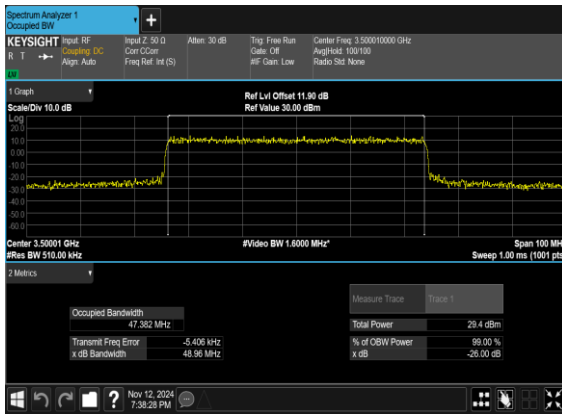


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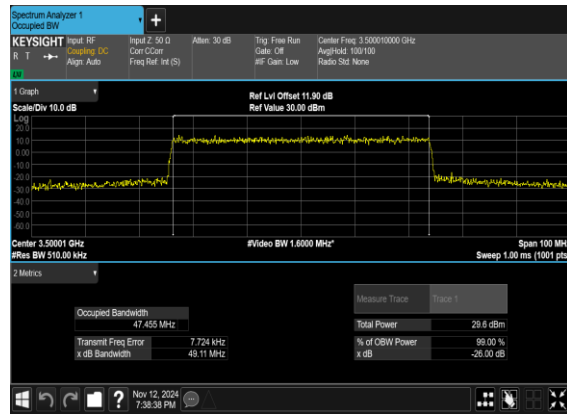




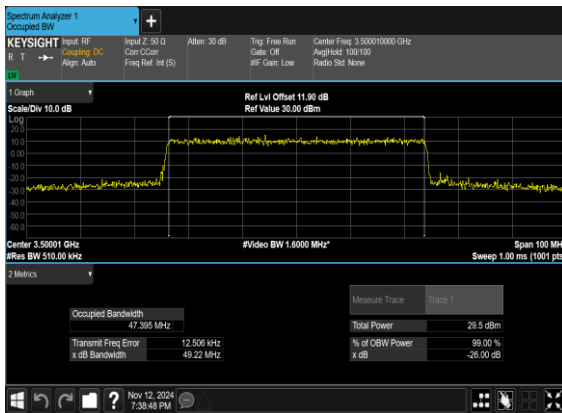
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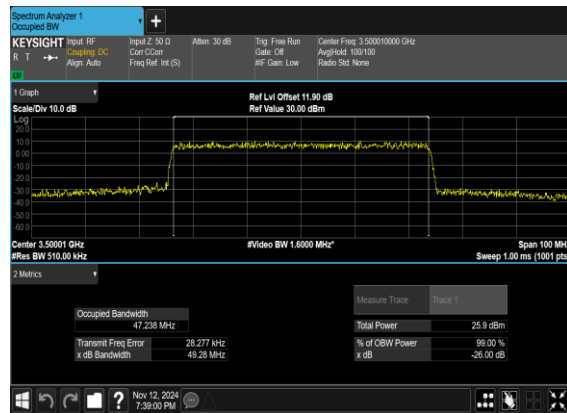
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N77(50M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

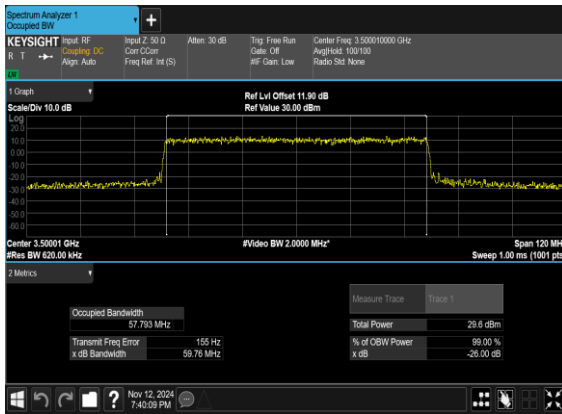


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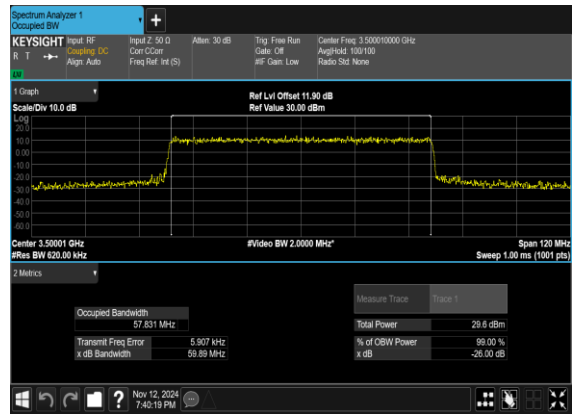




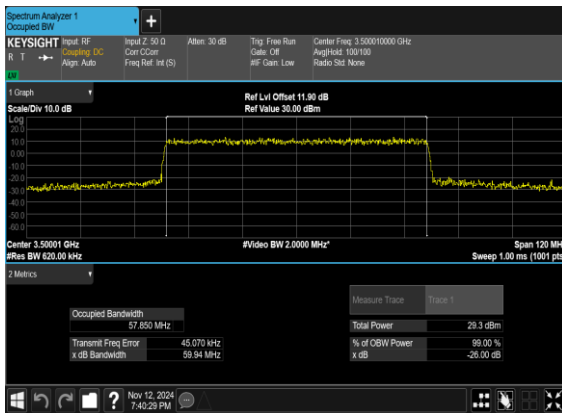
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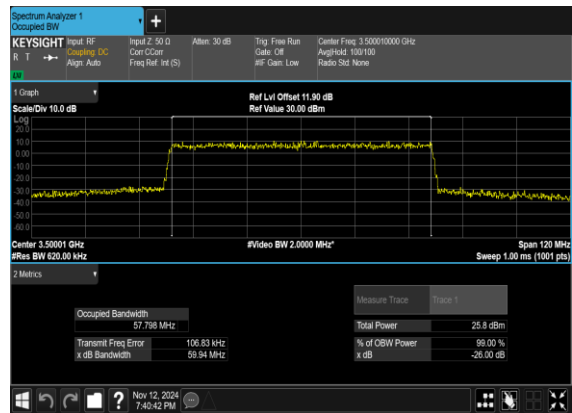
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N77(60M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

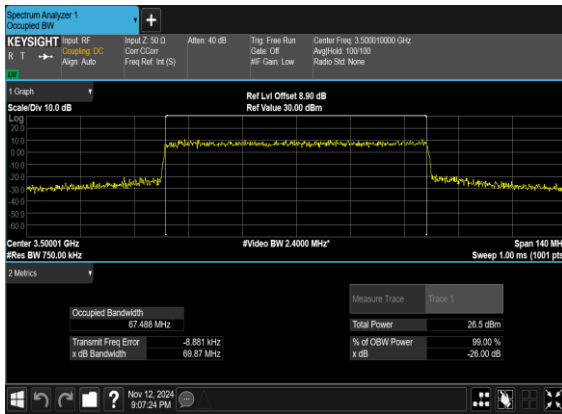


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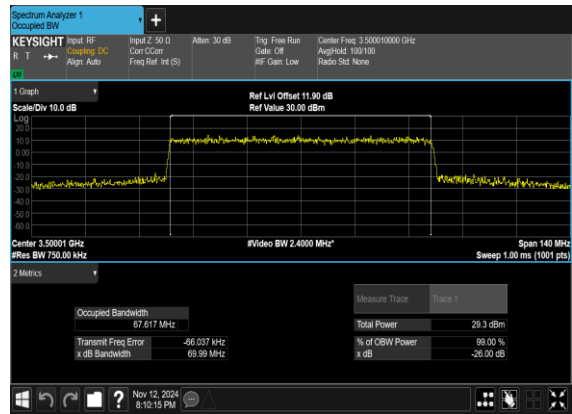




N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

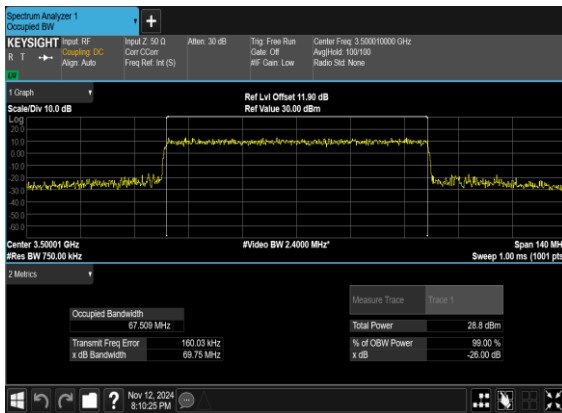


N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

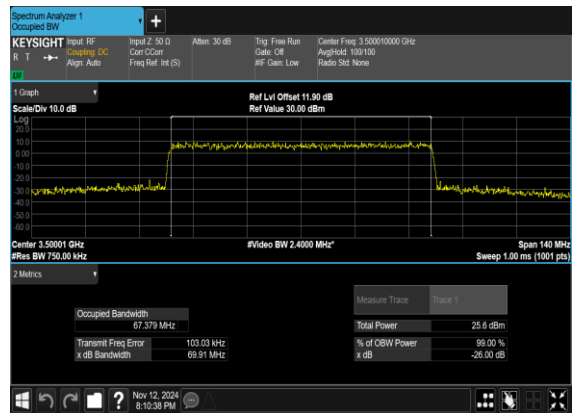


V

N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

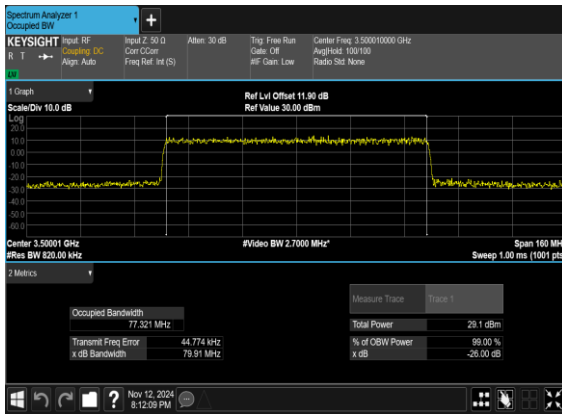


N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

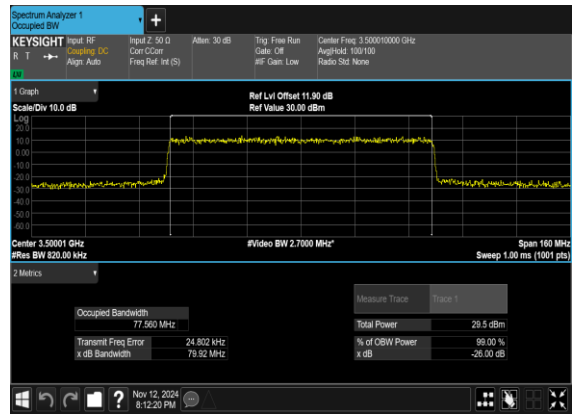




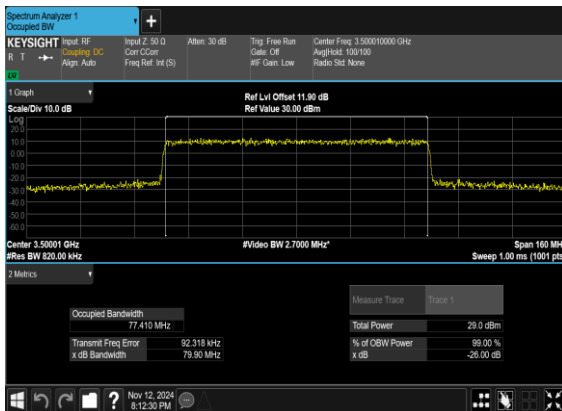
N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



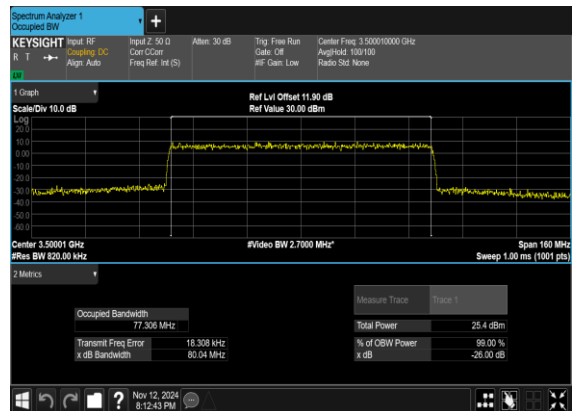
N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

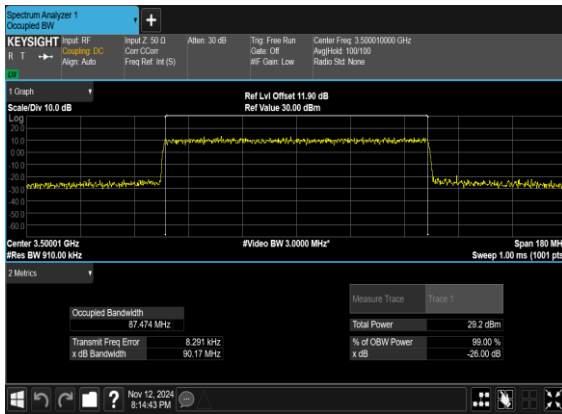


N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

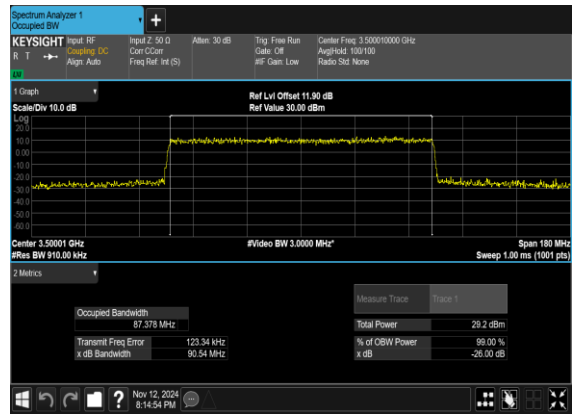




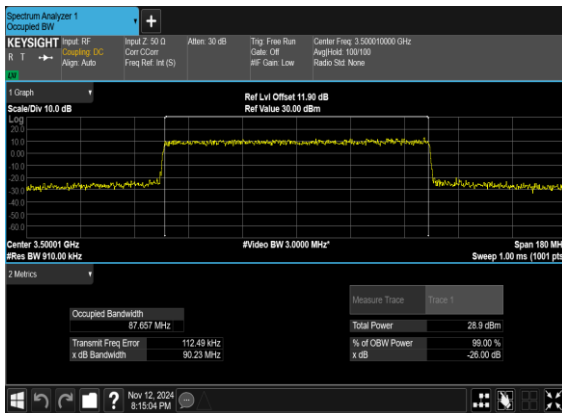
N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



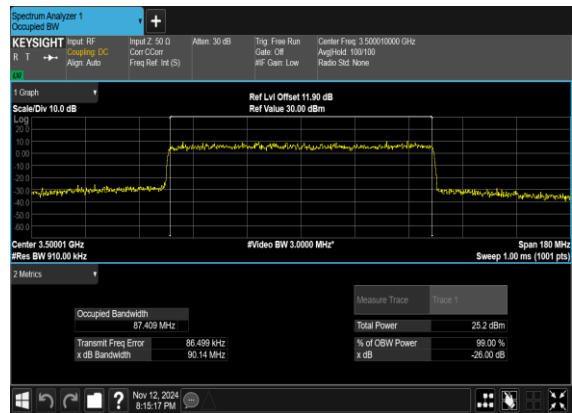
N77(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

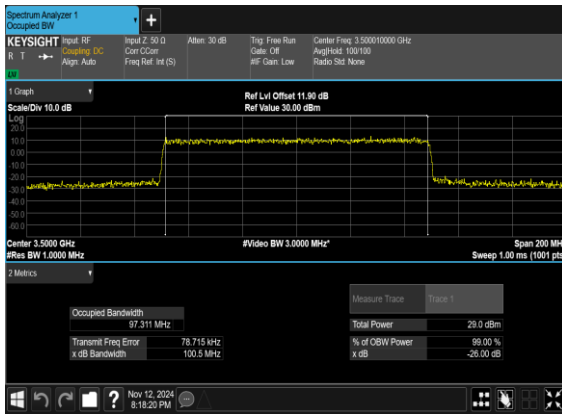


N77(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

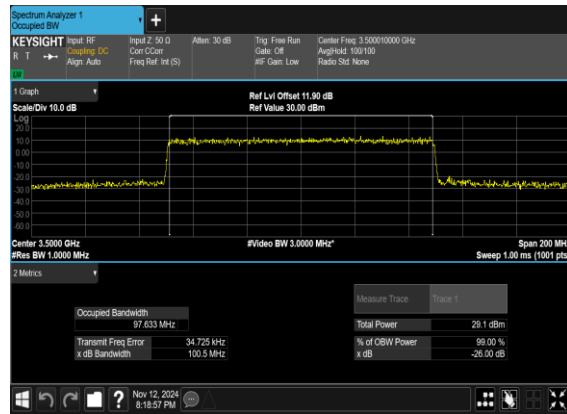




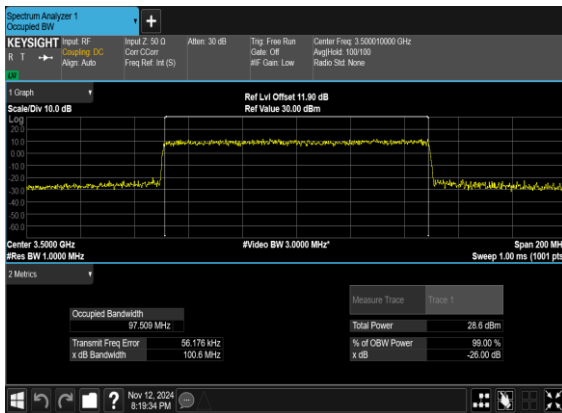
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



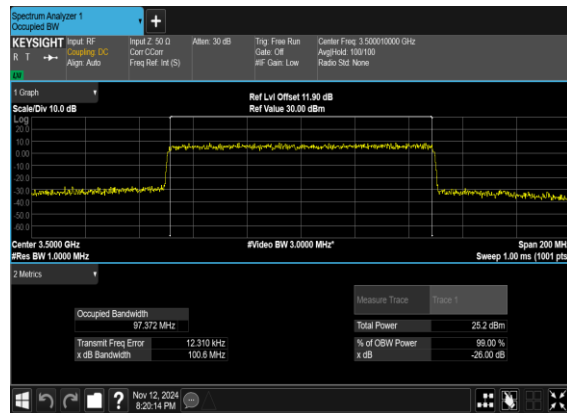
N77(100M)_CP-OFDM_16_QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64_QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256_QAM_Outer_Full_Mid_CH





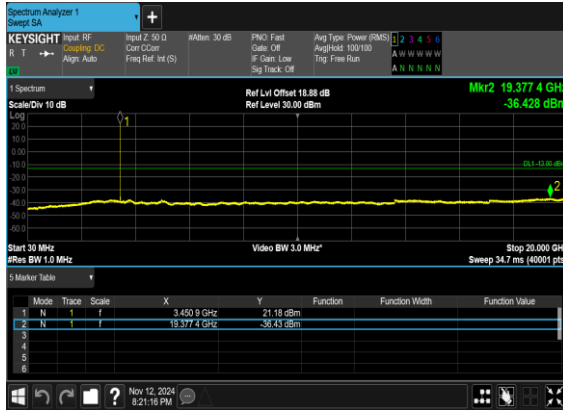
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	---
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	---
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	---
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
77	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	---
77	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS

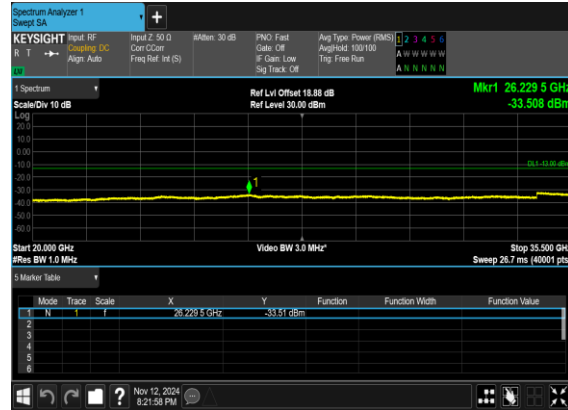


77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
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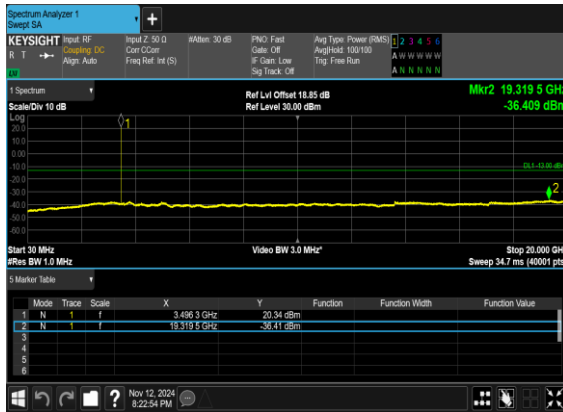
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



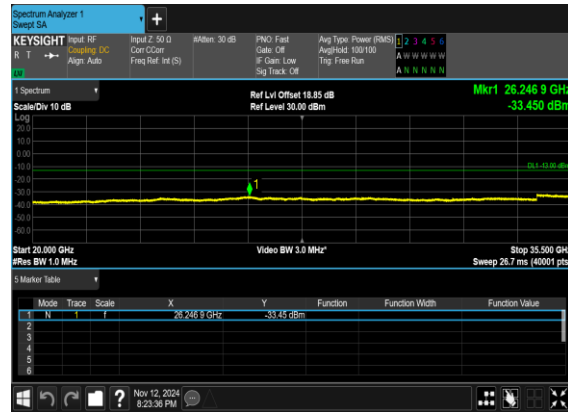
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

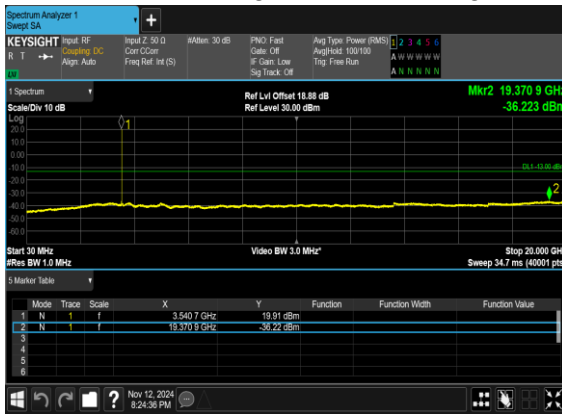


N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

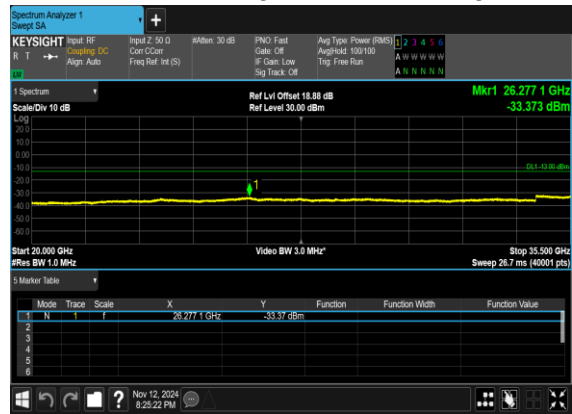




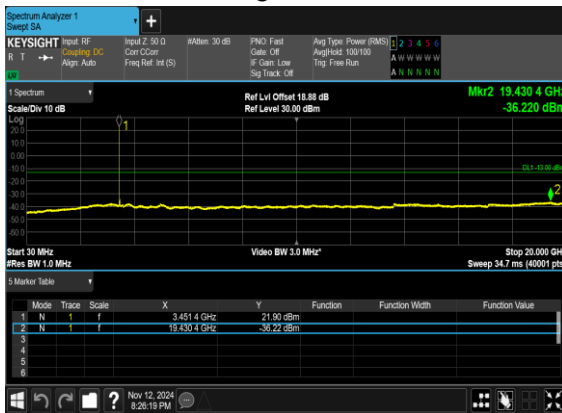
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



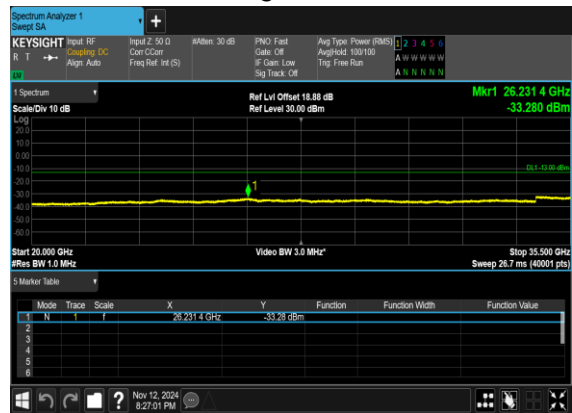
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

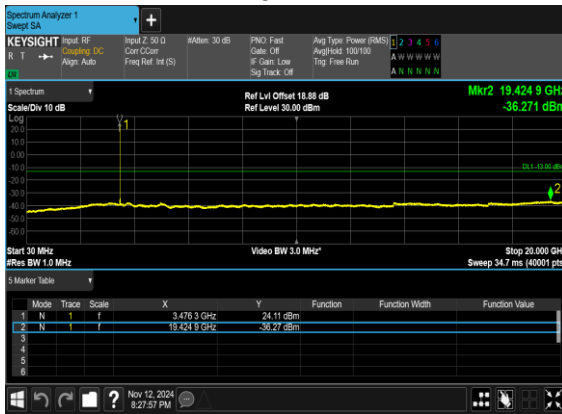


N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

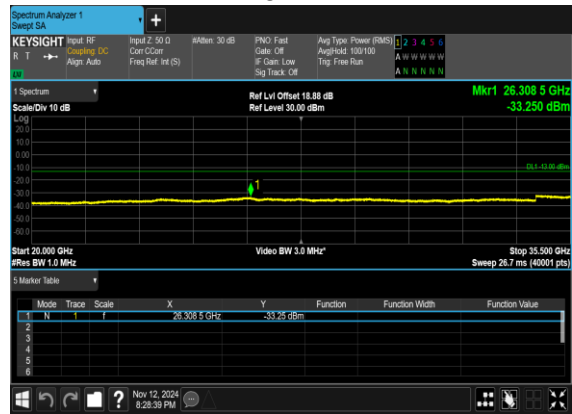




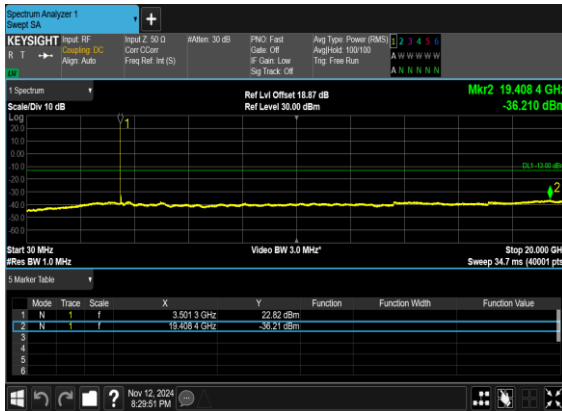
N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



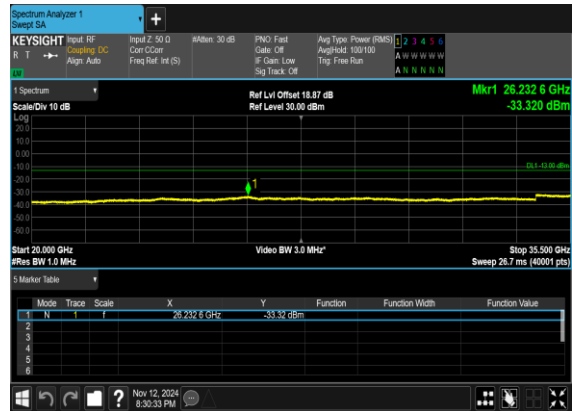
N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

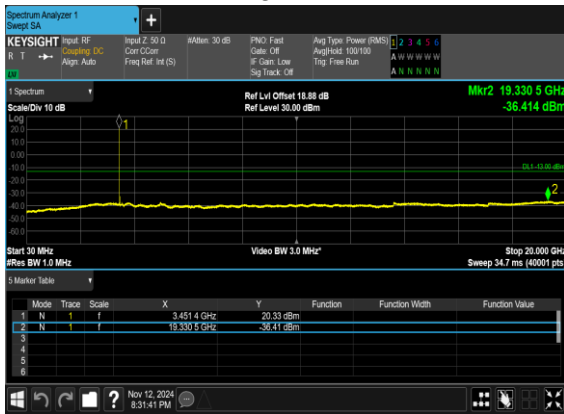


N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

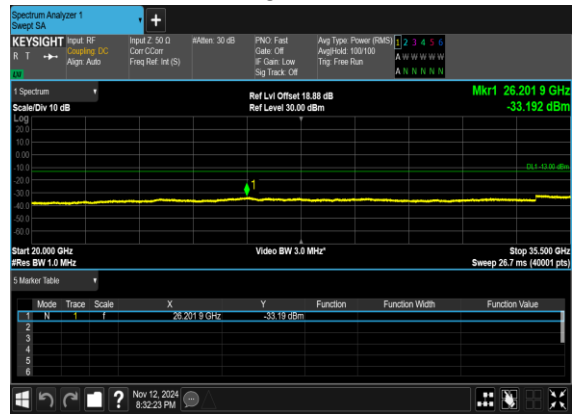




N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH





Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	CP-OFDM QPSK	24@0	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	1@23	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	24@0	see graph	PASS
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	CP-OFDM QPSK	133@0	see graph	PASS
77	30	50	635000	3525.0	CP-OFDM QPSK	1@132	see graph	PASS
77	30	50	635000	3525.0	CP-OFDM QPSK	133@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	see graph	PASS