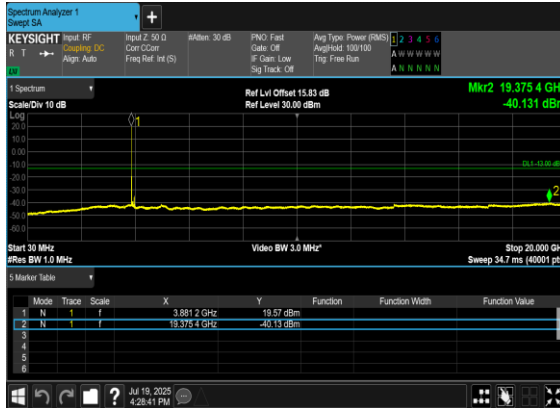
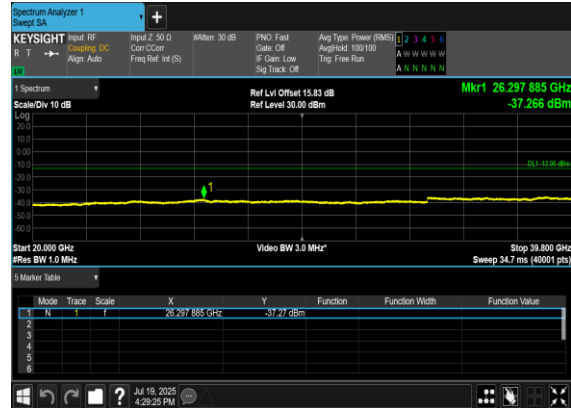
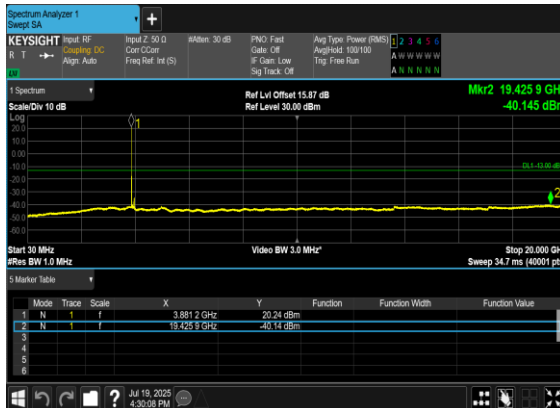
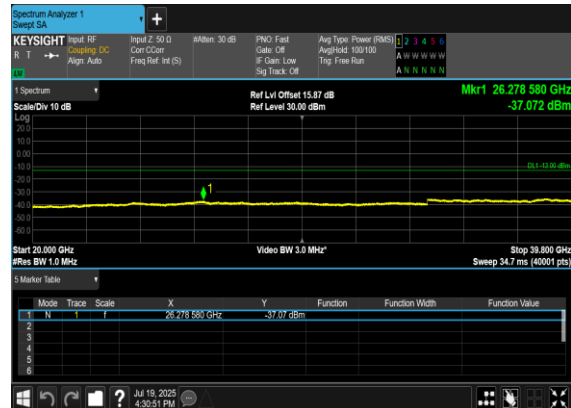
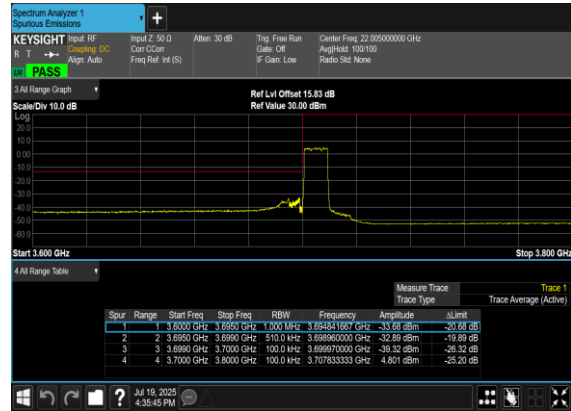


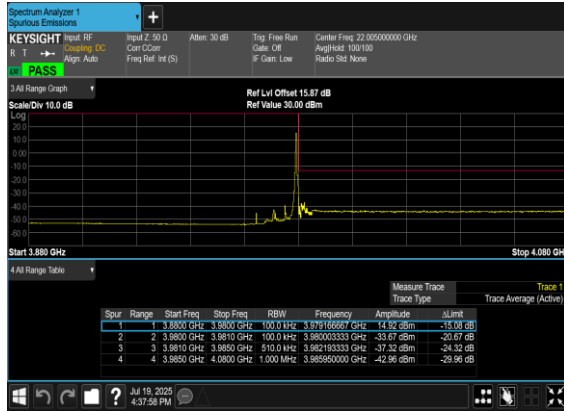
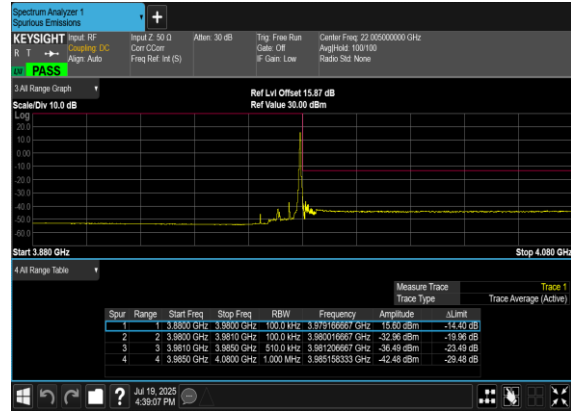
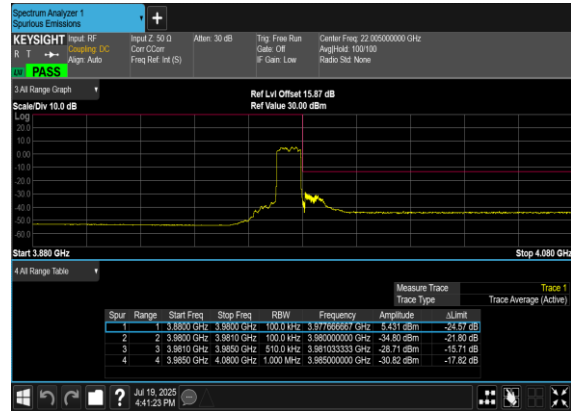
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CHN77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

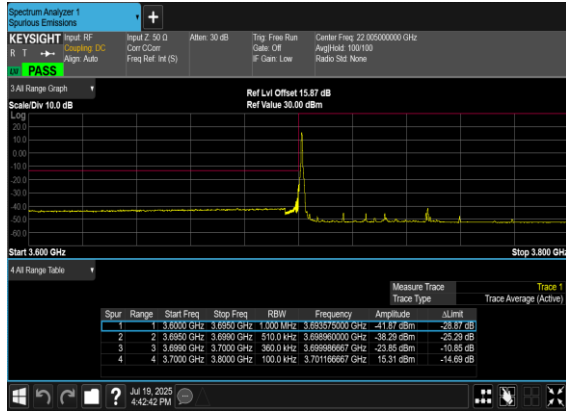
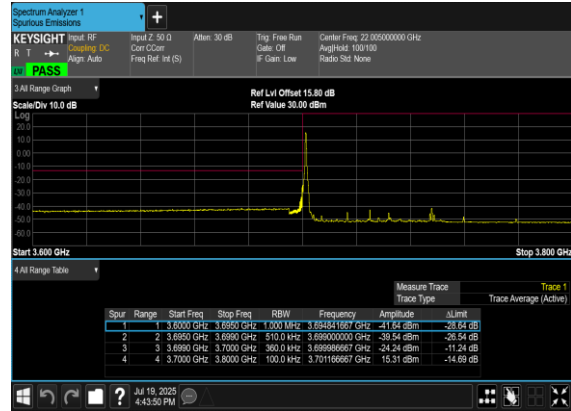
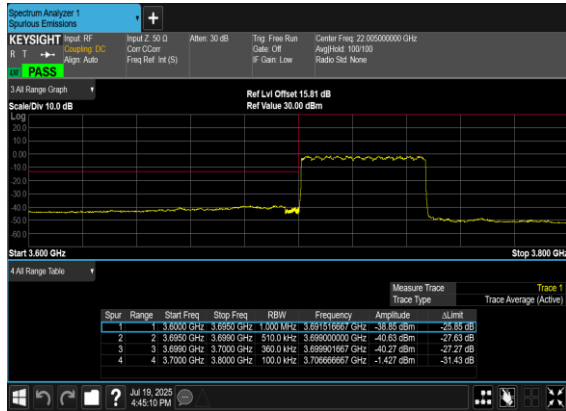
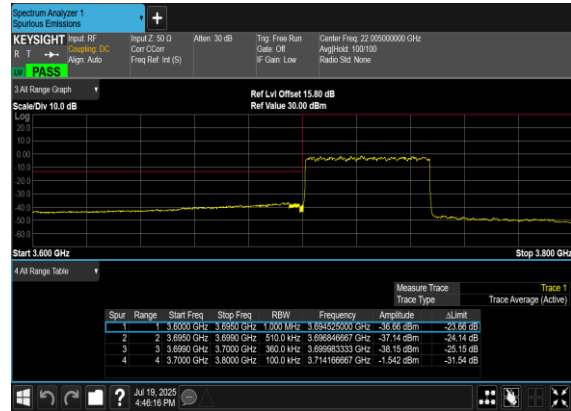


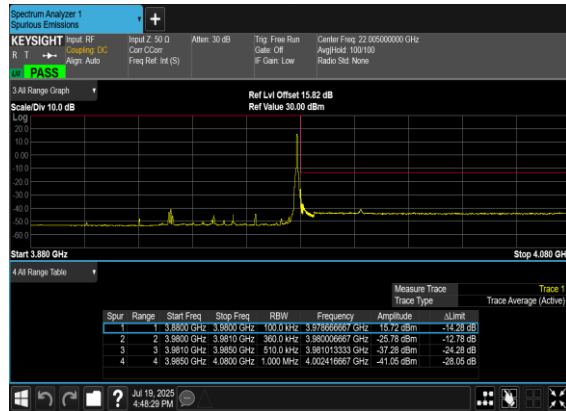
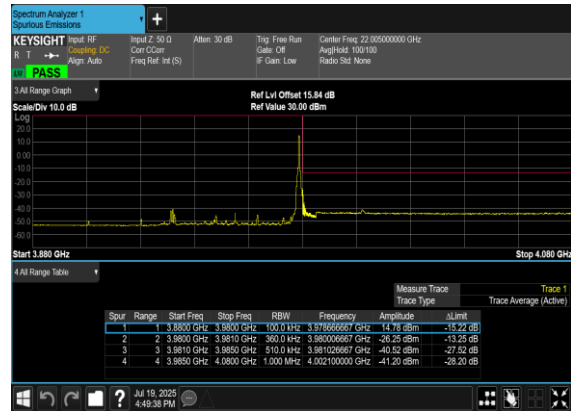
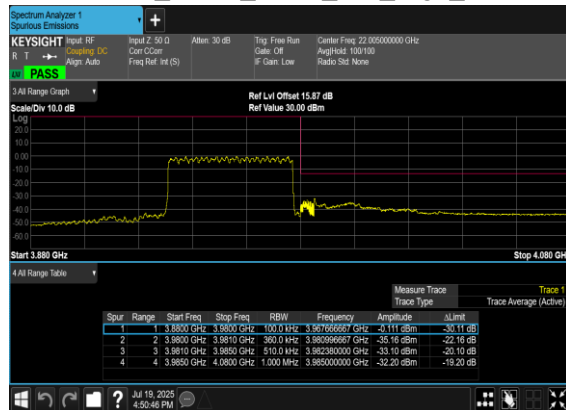
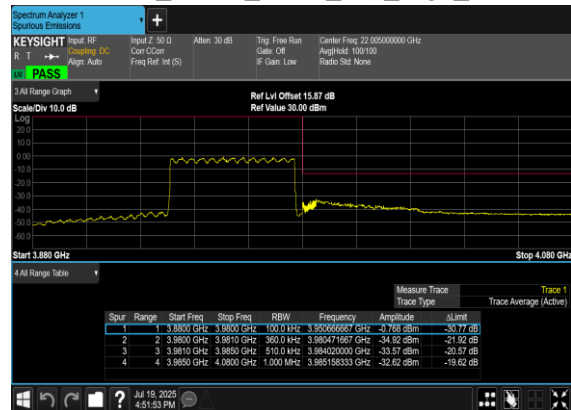
Conducted Band Edge

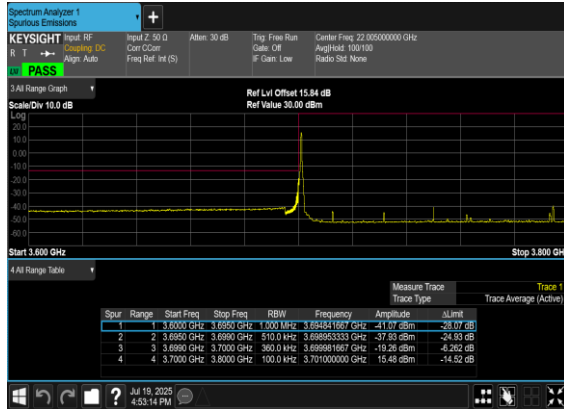
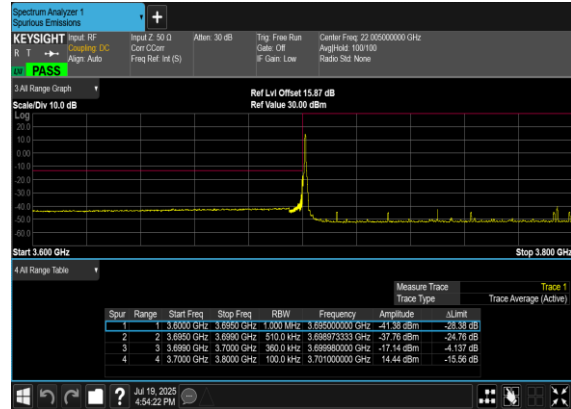
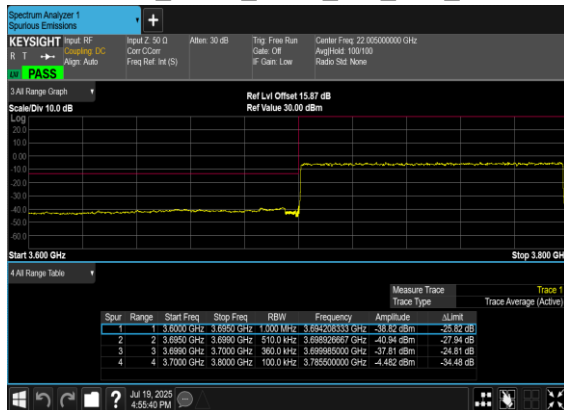
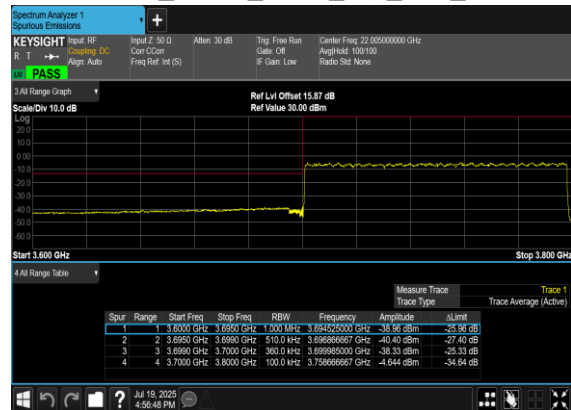
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

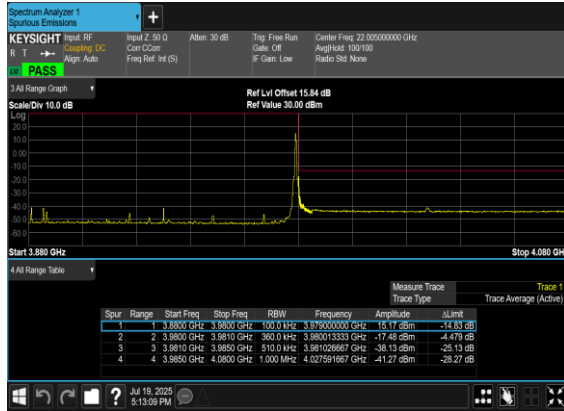
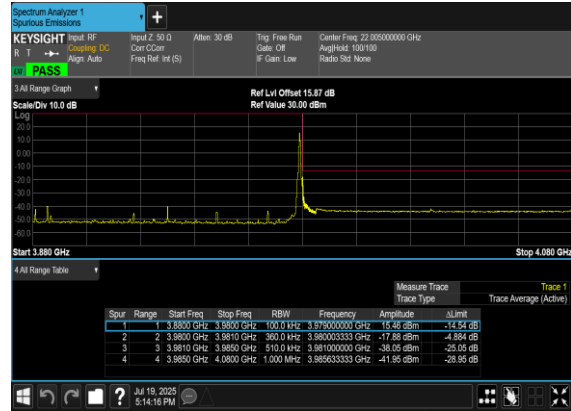
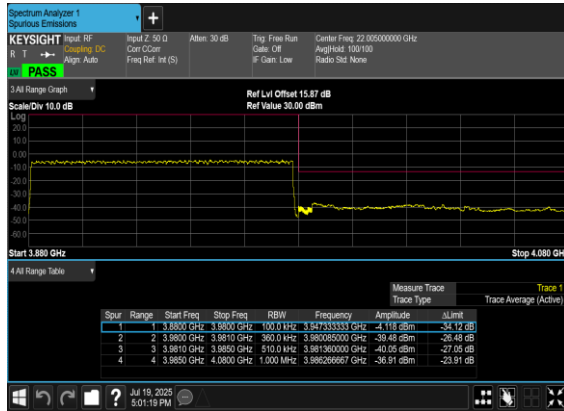
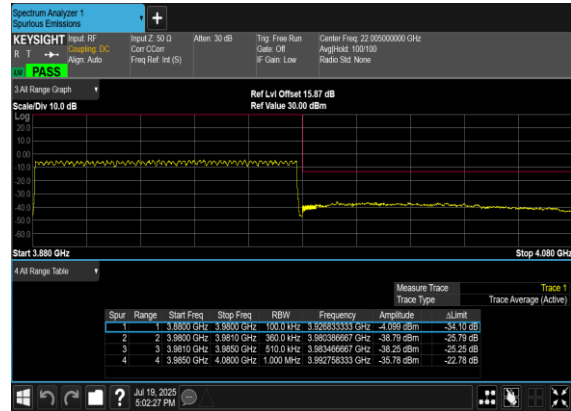
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 n77 UL MIMO(Ant 5)-15 kHz

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=0.01dBi

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT5 Power(dBm)	ANT6 Power(dBm)	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
77	15	10	647000	3705	CP-OFDM QPSK	26@13	21.06	20.82	23.95	23.96	0.2489
77	15	10	647000	3705	CP-OFDM QPSK	1@1	20.88	20.8	23.85	23.86	0.2432
77	15	10	647000	3705	CP-OFDM QPSK	1@50	20.81	20.85	23.84	23.85	0.2427
77	15	10	647000	3705	CP-OFDM 16 QAM	26@13	20.57	20.38	23.49	23.50	0.2239
77	15	10	647000	3705	CP-OFDM 16 QAM	1@1	20.52	20.35	23.45	23.46	0.2218
77	15	10	647000	3705	CP-OFDM 16 QAM	1@50	20.73	20.43	23.59	23.60	0.2291
77	15	10	656000	3840	CP-OFDM QPSK	26@13	20.96	21.34	24.16	24.17	0.2612
77	15	10	656000	3840	CP-OFDM QPSK	1@1	20.66	21.33	24.02	24.03	0.2529
77	15	10	656000	3840	CP-OFDM QPSK	1@50	20.77	21.4	24.11	24.12	0.2582
77	15	10	656000	3840	CP-OFDM 16 QAM	26@13	20.44	20.98	23.73	23.74	0.2366
77	15	10	656000	3840	CP-OFDM 16 QAM	1@1	20.53	20.85	23.70	23.71	0.2350
77	15	10	656000	3840	CP-OFDM 16 QAM	1@50	20.56	20.91	23.75	23.76	0.2377
77	15	10	665000	3975	CP-OFDM QPSK	26@13	21.51	22.37	24.97	24.98	0.3148
77	15	10	665000	3975	CP-OFDM QPSK	1@1	21.19	22.35	24.82	24.83	0.3041
77	15	10	665000	3975	CP-OFDM QPSK	1@50	21.36	22.42	24.93	24.94	0.3119
77	15	10	665000	3975	CP-OFDM 16 QAM	26@13	20.9	21.89	24.43	24.44	0.2780
77	15	10	665000	3975	CP-OFDM 16 QAM	1@1	20.99	21.93	24.50	24.51	0.2825
77	15	10	665000	3975	CP-OFDM 16 QAM	1@50	21.19	21.9	24.57	24.58	0.2871
77	15	15	647167	3707.505	CP-OFDM QPSK	39@19	21.02	20.98	24.01	24.02	0.2523
77	15	15	647167	3707.505	CP-OFDM QPSK	1@1	20.98	20.93	23.97	23.98	0.2500
77	15	15	647167	3707.505	CP-OFDM QPSK	1@77	20.88	21.01	23.96	23.97	0.2495
77	15	15	647167	3707.505	CP-OFDM 16 QAM	39@19	20.52	20.51	23.53	23.54	0.2259
77	15	15	647167	3707.505	CP-OFDM 16 QAM	1@1	20.83	20.51	23.68	23.69	0.2339
77	15	15	647167	3707.505	CP-OFDM 16 QAM	1@77	20.63	20.55	23.60	23.61	0.2296
77	15	15	656000	3840	CP-OFDM QPSK	39@19	21.02	21.39	24.22	24.23	0.2649
77	15	15	656000	3840	CP-OFDM QPSK	1@1	20.87	21.35	24.13	24.14	0.2594
77	15	15	656000	3840	CP-OFDM QPSK	1@77	20.88	21.56	24.24	24.25	0.2661
77	15	15	656000	3840	CP-OFDM 16 QAM	39@19	20.52	20.88	23.71	23.72	0.2355
77	15	15	656000	3840	CP-OFDM 16 QAM	1@1	20.72	20.88	23.81	23.82	0.2410
77	15	15	656000	3840	CP-OFDM 16 QAM	1@77	20.67	21.03	23.86	23.87	0.2438
77	15	15	664833	3972.495	CP-OFDM QPSK	39@19	21.48	22.61	25.09	25.10	0.3236
77	15	15	664833	3972.495	CP-OFDM QPSK	1@1	21.25	22.56	24.96	24.97	0.3141
77	15	15	664833	3972.495	CP-OFDM QPSK	1@77	21.41	22.6	25.06	25.07	0.3214



77	15	15	664833	3972.495	CP-OFDM 16 QAM	39@19	21.04	22	24.56	24.57	0.2864
77	15	15	664833	3972.495	CP-OFDM 16 QAM	1@1	21.21	21.98	24.62	24.63	0.2904
77	15	15	664833	3972.495	CP-OFDM 16 QAM	1@77	21.21	22.05	24.66	24.67	0.2931
77	15	20	647334	3710.01	CP-OFDM QPSK	53@26	21.04	21.04	24.05	24.06	0.2547
77	15	20	647334	3710.01	CP-OFDM QPSK	1@1	20.89	21.06	23.99	24.00	0.2512
77	15	20	647334	3710.01	CP-OFDM QPSK	1@104	21.01	21.02	24.03	24.04	0.2535
77	15	20	647334	3710.01	CP-OFDM 16 QAM	53@26	20.68	20.55	23.63	23.64	0.2312
77	15	20	647334	3710.01	CP-OFDM 16 QAM	1@1	20.71	20.63	23.68	23.69	0.2339
77	15	20	647334	3710.01	CP-OFDM 16 QAM	1@104	20.68	20.58	23.64	23.65	0.2317
77	15	20	656000	3840	CP-OFDM QPSK	53@26	21.02	21.44	24.25	24.26	0.2667
77	15	20	656000	3840	CP-OFDM QPSK	1@1	20.75	21.32	24.05	24.06	0.2547
77	15	20	656000	3840	CP-OFDM QPSK	1@104	20.8	21.52	24.19	24.20	0.2630
77	15	20	656000	3840	CP-OFDM 16 QAM	53@26	20.6	20.96	23.79	23.80	0.2399
77	15	20	656000	3840	CP-OFDM 16 QAM	1@1	20.59	20.83	23.72	23.73	0.2360
77	15	20	656000	3840	CP-OFDM 16 QAM	1@104	20.7	20.98	23.85	23.86	0.2432
77	15	20	664666	3969.99	CP-OFDM QPSK	53@26	21.57	22.5	25.07	25.08	0.3221
77	15	20	664666	3969.99	CP-OFDM QPSK	1@1	21.3	22.44	24.92	24.93	0.3112
77	15	20	664666	3969.99	CP-OFDM QPSK	1@104	21.44	22.58	25.06	25.07	0.3214
77	15	20	664666	3969.99	CP-OFDM 16 QAM	53@26	21.05	22.01	24.57	24.58	0.2871
77	15	20	664666	3969.99	CP-OFDM 16 QAM	1@1	21.12	21.94	24.56	24.57	0.2864
77	15	20	664666	3969.99	CP-OFDM 16 QAM	1@104	21.24	22.04	24.67	24.68	0.2938
77	15	25	647500	3712.5	CP-OFDM QPSK	67@33	21.17	21.1	24.15	24.16	0.2606
77	15	25	647500	3712.5	CP-OFDM QPSK	1@1	20.95	21	23.99	24.00	0.2512
77	15	25	647500	3712.5	CP-OFDM QPSK	1@131	20.85	21.08	23.98	23.99	0.2506
77	15	25	647500	3712.5	CP-OFDM 16 QAM	67@33	20.69	20.64	23.68	23.69	0.2339
77	15	25	647500	3712.5	CP-OFDM 16 QAM	1@1	20.69	20.56	23.64	23.65	0.2317
77	15	25	647500	3712.5	CP-OFDM 16 QAM	1@131	20.65	20.67	23.67	23.68	0.2333
77	15	25	656000	3840	CP-OFDM QPSK	67@33	20.98	21.52	24.27	24.28	0.2679
77	15	25	656000	3840	CP-OFDM QPSK	1@1	20.67	21.29	24.00	24.01	0.2518
77	15	25	656000	3840	CP-OFDM QPSK	1@131	20.91	21.52	24.24	24.25	0.2661
77	15	25	656000	3840	CP-OFDM 16 QAM	67@33	20.49	21.03	23.78	23.79	0.2393
77	15	25	656000	3840	CP-OFDM 16 QAM	1@1	20.53	20.8	23.68	23.69	0.2339
77	15	25	656000	3840	CP-OFDM 16 QAM	1@131	20.6	21.01	23.82	23.83	0.2415
77	15	25	664500	3967.5	CP-OFDM QPSK	67@33	21.48	22.53	25.05	25.06	0.3206
77	15	25	664500	3967.5	CP-OFDM QPSK	1@1	21.21	22.41	24.86	24.87	0.3069
77	15	25	664500	3967.5	CP-OFDM QPSK	1@131	21.28	22.46	24.92	24.93	0.3112
77	15	25	664500	3967.5	CP-OFDM 16 QAM	67@33	20.98	21.94	24.50	24.51	0.2825
77	15	25	664500	3967.5	CP-OFDM 16 QAM	1@1	20.99	21.97	24.52	24.53	0.2838
77	15	25	664500	3967.5	CP-OFDM 16 QAM	1@131	21.29	22	24.67	24.68	0.2938
77	15	30	647667	3715.005	CP-OFDM QPSK	80@40	21.07	21.13	24.11	24.12	0.2582
77	15	30	647667	3715.005	CP-OFDM QPSK	1@1	20.96	20.95	23.97	23.98	0.2500



77	15	30	647667	3715.005	CP-OFDM QPSK	1@158	21.01	21.06	24.05	24.06	0.2547
77	15	30	647667	3715.005	CP-OFDM 16 QAM	80@40	20.5	20.51	23.52	23.53	0.2254
77	15	30	647667	3715.005	CP-OFDM 16 QAM	1@1	20.65	20.6	23.64	23.65	0.2317
77	15	30	647667	3715.005	CP-OFDM 16 QAM	1@158	20.7	20.65	23.69	23.70	0.2344
77	15	30	656000	3840	CP-OFDM QPSK	80@40	21.03	21.53	24.30	24.31	0.2698
77	15	30	656000	3840	CP-OFDM QPSK	1@1	20.85	21.31	24.10	24.11	0.2576
77	15	30	656000	3840	CP-OFDM QPSK	1@158	21.03	21.61	24.34	24.35	0.2723
77	15	30	656000	3840	CP-OFDM 16 QAM	80@40	20.57	21.05	23.83	23.84	0.2421
77	15	30	656000	3840	CP-OFDM 16 QAM	1@1	20.66	20.88	23.78	23.79	0.2393
77	15	30	656000	3840	CP-OFDM 16 QAM	1@158	20.79	21.09	23.95	23.96	0.2489
77	15	30	664332	3964.98	CP-OFDM QPSK	80@40	21.53	22.64	25.13	25.14	0.3266
77	15	30	664332	3964.98	CP-OFDM QPSK	1@1	21.34	22.69	25.08	25.09	0.3228
77	15	30	664332	3964.98	CP-OFDM QPSK	1@158	21.42	22.57	25.04	25.05	0.3199
77	15	30	664332	3964.98	CP-OFDM 16 QAM	80@40	21.02	22.16	24.64	24.65	0.2917
77	15	30	664332	3964.98	CP-OFDM 16 QAM	1@1	21.23	22.07	24.68	24.69	0.2944
77	15	30	664332	3964.98	CP-OFDM 16 QAM	1@158	21.31	22.17	24.77	24.78	0.3006
77	15	40	648000	3720	CP-OFDM QPSK	108@54	21.06	21.19	24.14	24.15	0.2600
77	15	40	648000	3720	CP-OFDM QPSK	1@1	20.88	21.01	23.96	23.97	0.2495
77	15	40	648000	3720	CP-OFDM QPSK	1@214	20.94	21.13	24.05	24.06	0.2547
77	15	40	648000	3720	CP-OFDM 16 QAM	108@54	20.56	20.74	23.66	23.67	0.2328
77	15	40	648000	3720	CP-OFDM 16 QAM	1@1	20.72	20.69	23.72	23.73	0.2360
77	15	40	648000	3720	CP-OFDM 16 QAM	1@214	20.74	20.68	23.72	23.73	0.2360
77	15	40	656000	3840	CP-OFDM QPSK	108@54	21.08	21.49	24.30	24.31	0.2698
77	15	40	656000	3840	CP-OFDM QPSK	1@1	20.71	21.29	24.02	24.03	0.2529
77	15	40	656000	3840	CP-OFDM QPSK	1@214	20.85	21.67	24.29	24.30	0.2692
77	15	40	656000	3840	CP-OFDM 16 QAM	108@54	20.54	21.11	23.84	23.85	0.2427
77	15	40	656000	3840	CP-OFDM 16 QAM	1@1	20.72	20.85	23.80	23.81	0.2404
77	15	40	656000	3840	CP-OFDM 16 QAM	1@214	20.73	21.11	23.93	23.94	0.2477
77	15	40	664000	3960	CP-OFDM QPSK	108@54	21.51	22.55	25.07	25.08	0.3221
77	15	40	664000	3960	CP-OFDM QPSK	1@1	21.28	22.54	24.97	24.98	0.3148
77	15	40	664000	3960	CP-OFDM QPSK	1@214	21.35	22.67	25.07	25.08	0.3221
77	15	40	664000	3960	CP-OFDM 16 QAM	108@54	21.05	22.08	24.61	24.62	0.2897
77	15	40	664000	3960	CP-OFDM 16 QAM	1@1	21.13	21.99	24.59	24.60	0.2884
77	15	40	664000	3960	CP-OFDM 16 QAM	1@214	21.24	22.17	24.74	24.75	0.2985
77	15	50	648334	3725.01	CP-OFDM QPSK	135@67	21.04	21.18	24.12	24.13	0.2588
77	15	50	648334	3725.01	CP-OFDM QPSK	1@1	20.76	21.02	23.90	23.91	0.2460
77	15	50	648334	3725.01	CP-OFDM QPSK	1@268	20.88	21.13	24.02	24.03	0.2529
77	15	50	648334	3725.01	CP-OFDM 16 QAM	135@67	20.54	20.56	23.56	23.57	0.2275
77	15	50	648334	3725.01	CP-OFDM 16 QAM	1@1	20.59	20.6	23.61	23.62	0.2301
77	15	50	648334	3725.01	CP-OFDM 16 QAM	1@268	20.64	20.66	23.66	23.67	0.2328
77	15	50	648334	3725.01	CP-OFDM 64 QAM	135@67	19.07	19.09	22.09	22.10	0.1622



77	15	50	648334	3725.01	CP-OFDM 64 QAM	1@1	18.75	18.89	21.83	21.84	0.1528
77	15	50	648334	3725.01	CP-OFDM 64 QAM	1@268	18.82	18.97	21.91	21.92	0.1556
77	15	50	648334	3725.01	CP-OFDM 256 QAM	135@67	16.03	16.13	19.09	19.10	0.0813
77	15	50	648334	3725.01	CP-OFDM 256 QAM	1@1	15.95	16.18	19.08	19.09	0.0811
77	15	50	648334	3725.01	CP-OFDM 256 QAM	1@268	16.08	16.42	19.26	19.27	0.0845
77	15	50	656000	3840	CP-OFDM QPSK	135@67	21.06	21.55	24.32	24.33	0.2710
77	15	50	656000	3840	CP-OFDM QPSK	1@1	20.66	21.15	23.92	23.93	0.2472
77	15	50	656000	3840	CP-OFDM QPSK	1@268	20.98	21.7	24.37	24.38	0.2742
77	15	50	656000	3840	CP-OFDM 16 QAM	135@67	20.56	21.03	23.81	23.82	0.2410
77	15	50	656000	3840	CP-OFDM 16 QAM	1@1	20.73	20.76	23.76	23.77	0.2382
77	15	50	656000	3840	CP-OFDM 16 QAM	1@268	20.71	21.14	23.94	23.95	0.2483
77	15	50	656000	3840	CP-OFDM 64 QAM	135@67	19.34	19.62	22.49	22.50	0.1778
77	15	50	656000	3840	CP-OFDM 64 QAM	1@1	18.86	19.26	22.07	22.08	0.1614
77	15	50	656000	3840	CP-OFDM 64 QAM	1@268	18.92	19.56	22.26	22.27	0.1687
77	15	50	656000	3840	CP-OFDM 256 QAM	135@67	16.19	16.6	19.41	19.42	0.0875
77	15	50	656000	3840	CP-OFDM 256 QAM	1@1	16.05	16.59	19.34	19.35	0.0861
77	15	50	656000	3840	CP-OFDM 256 QAM	1@268	16.16	16.9	19.56	19.57	0.0906
77	15	50	663666	3954.99	CP-OFDM QPSK	135@67	21.82	22.68	25.28	25.29	0.3381
77	15	50	663666	3954.99	CP-OFDM QPSK	1@1	21.27	22.54	24.96	24.97	0.3141
77	15	50	663666	3954.99	CP-OFDM QPSK	1@268	21.44	22.59	25.06	25.07	0.3214
77	15	50	663666	3954.99	CP-OFDM 16 QAM	135@67	21.15	22.19	24.71	24.72	0.2965
77	15	50	663666	3954.99	CP-OFDM 16 QAM	1@1	21.03	22.05	24.58	24.59	0.2877
77	15	50	663666	3954.99	CP-OFDM 16 QAM	1@268	21.21	22.1	24.69	24.70	0.2951
77	15	50	663666	3954.99	CP-OFDM 64 QAM	135@67	19.61	20.75	23.23	23.24	0.2109
77	15	50	663666	3954.99	CP-OFDM 64 QAM	1@1	19.21	20.31	22.81	22.82	0.1914
77	15	50	663666	3954.99	CP-OFDM 64 QAM	1@268	19.56	20.46	23.04	23.05	0.2018
77	15	50	663666	3954.99	CP-OFDM 256 QAM	135@67	16.6	17.77	20.23	20.24	0.1057
77	15	50	663666	3954.99	CP-OFDM 256 QAM	1@1	16.4	17.81	20.17	20.18	0.1042
77	15	50	663666	3954.99	CP-OFDM 256 QAM	1@268	16.68	17.86	20.32	20.33	0.1079



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	12.3	PASS	NV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	6.5	PASS	LV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	9	PASS	HV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	9.3	PASS	-30℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	15	PASS	-20℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	19.3	PASS	-10℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	10.7	PASS	0℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	13.6	PASS	10℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	6.8	PASS	20℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	7.2	PASS	30℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	6.6	PASS	40℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	17.6	PASS	50℃

$|\text{MAX}(\Delta f)| = 19.3 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3700.899081	$\geq 3700 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	3979.100919	$\leq 3980 \text{ MHz}$	

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	8.39	13	PASS

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH





Occupied Bandwidth

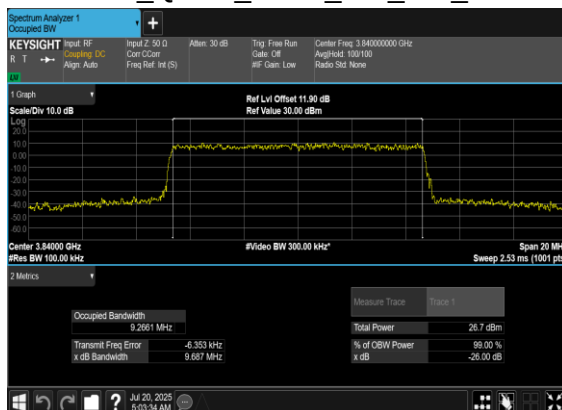
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	15	10	656000	3840.0	CP-OFDM QPSK	52@0	9.2661	9.687
77	15	10	656000	3840.0	CP-OFDM 16 QAM	52@0	9.3065	9.652
77	15	10	656000	3840.0	CP-OFDM 64 QAM	52@0	9.3004	9.669
77	15	10	656000	3840.0	CP-OFDM 256 QAM	52@0	9.2559	9.67
77	15	15	656000	3840.0	CP-OFDM QPSK	79@0	14.138	14.58
77	15	15	656000	3840.0	CP-OFDM 16 QAM	79@0	14.113	14.65
77	15	15	656000	3840.0	CP-OFDM 64 QAM	79@0	14.092	14.63
77	15	15	656000	3840.0	CP-OFDM 256 QAM	79@0	14.115	14.58
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	18.849	19.59
77	15	20	656000	3840.0	CP-OFDM 16 QAM	106@0	18.852	19.65
77	15	20	656000	3840.0	CP-OFDM 64 QAM	106@0	18.887	19.49
77	15	20	656000	3840.0	CP-OFDM 256 QAM	106@0	18.885	19.6
77	15	25	656000	3840.0	CP-OFDM QPSK	133@0	23.719	24.65
77	15	25	656000	3840.0	CP-OFDM 16 QAM	133@0	23.685	24.63
77	15	25	656000	3840.0	CP-OFDM 64 QAM	133@0	23.741	24.66
77	15	25	656000	3840.0	CP-OFDM 256 QAM	133@0	23.716	24.59
77	15	30	656000	3840.0	CP-OFDM QPSK	160@0	28.491	29.49
77	15	30	656000	3840.0	CP-OFDM 16 QAM	160@0	28.526	29.47
77	15	30	656000	3840.0	CP-OFDM 64 QAM	160@0	28.561	29.45
77	15	30	656000	3840.0	CP-OFDM 256 QAM	160@0	28.431	29.42
77	15	40	656000	3840.0	CP-OFDM QPSK	216@0	38.597	39.81
77	15	40	656000	3840.0	CP-OFDM 16 QAM	216@0	38.595	39.89



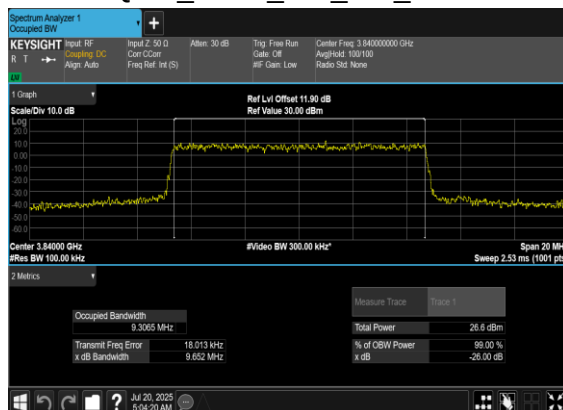
77	15	40	656000	3840.0	CP-OFDM 64 QAM	216@0	38.522	39.88
77	15	40	656000	3840.0	CP-OFDM 256 QAM	216@0	38.557	39.84
77	15	50	656000	3840.0	CP-OFDM QPSK	270@0	48.302	49.73
77	15	50	656000	3840.0	CP-OFDM 16 QAM	270@0	48.127	49.68
77	15	50	656000	3840.0	CP-OFDM 64 QAM	270@0	48.182	49.72
77	15	50	656000	3840.0	CP-OFDM 256 QAM	270@0	48.168	49.77



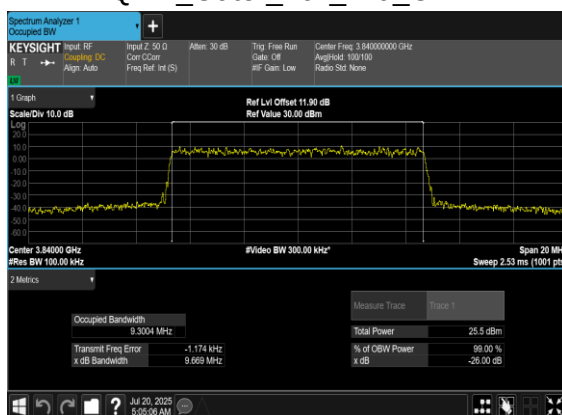
N77(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



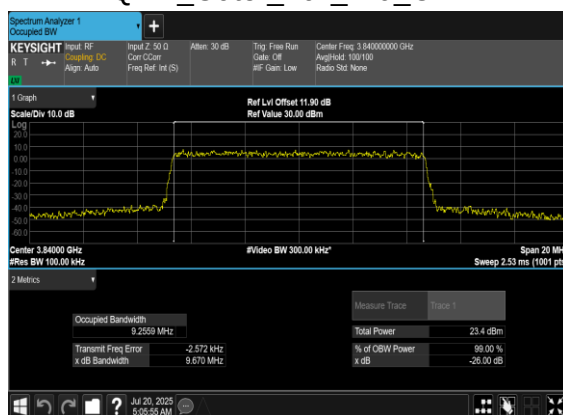
N77(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

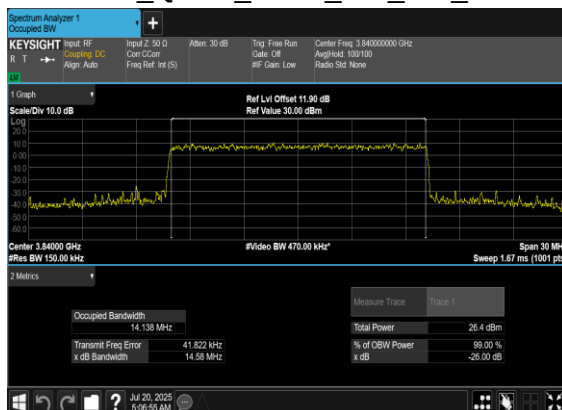


N77(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

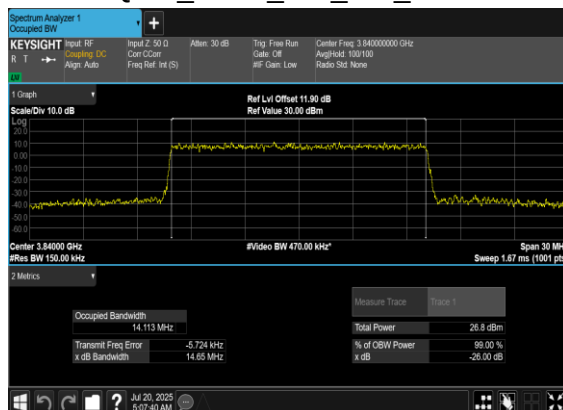




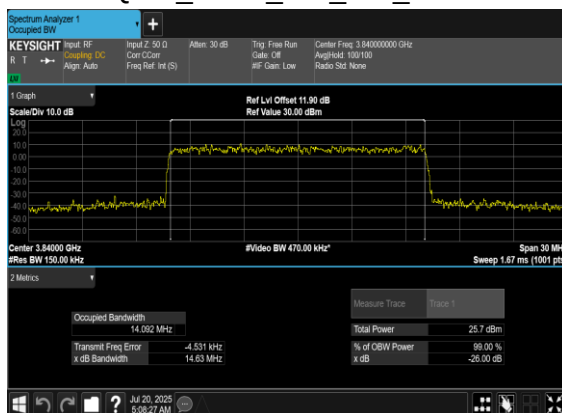
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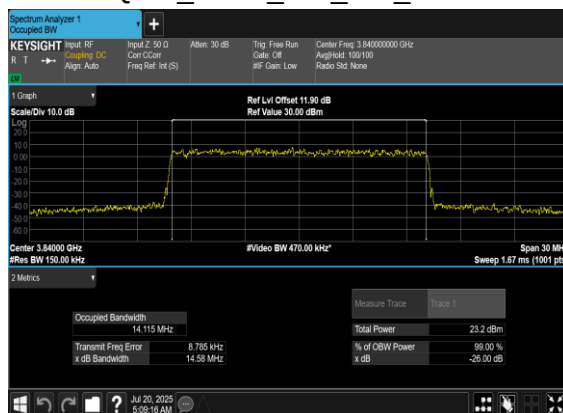
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QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

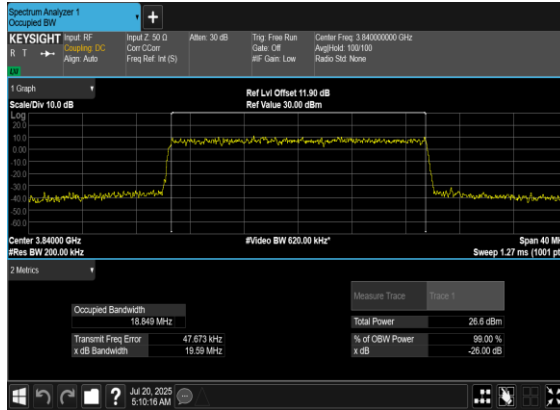


N77(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

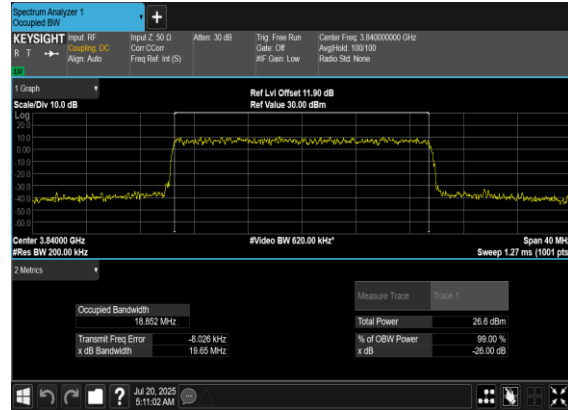




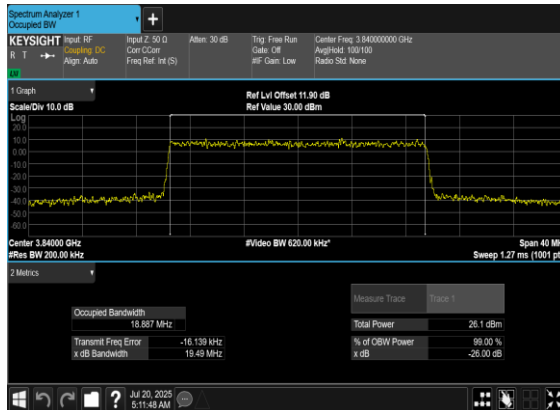
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



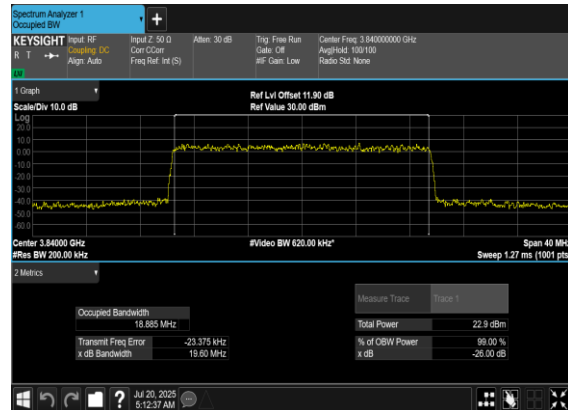
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QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

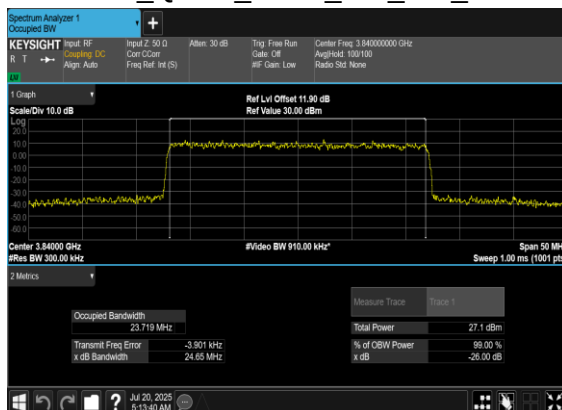


N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

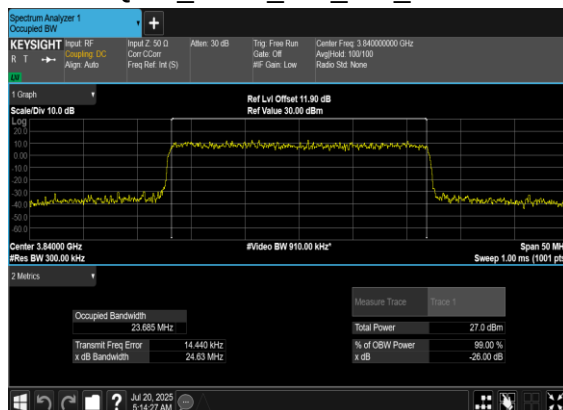




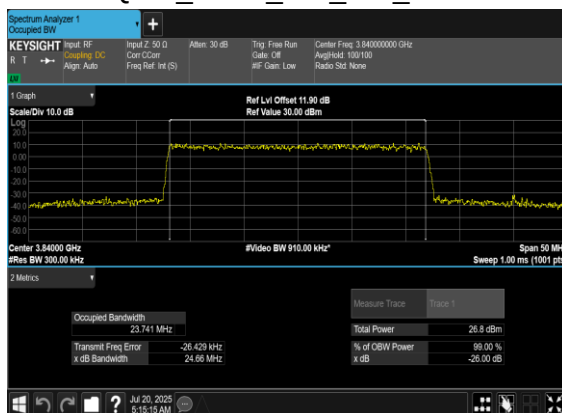
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OFDM_QPSK_Outer_Full_Mid_CH



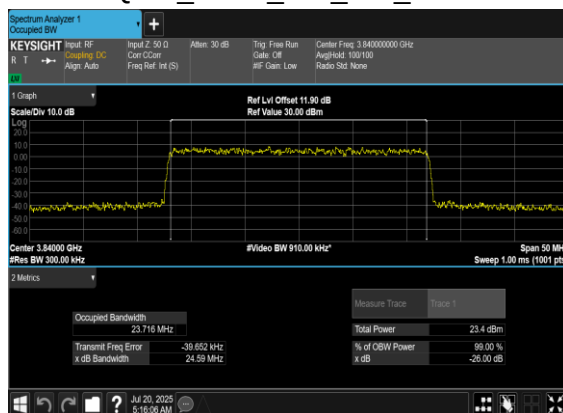
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QAM_Outer_Full_Mid_CH



N77(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

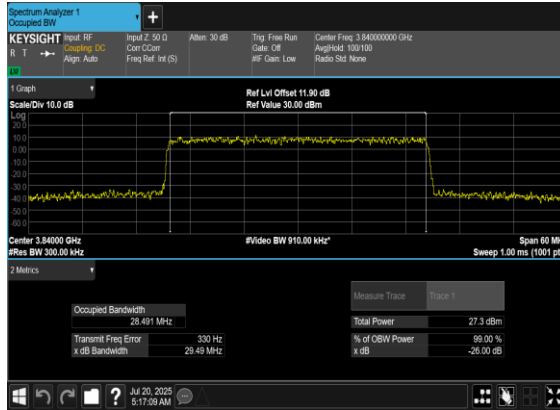


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QAM_Outer_Full_Mid_CH

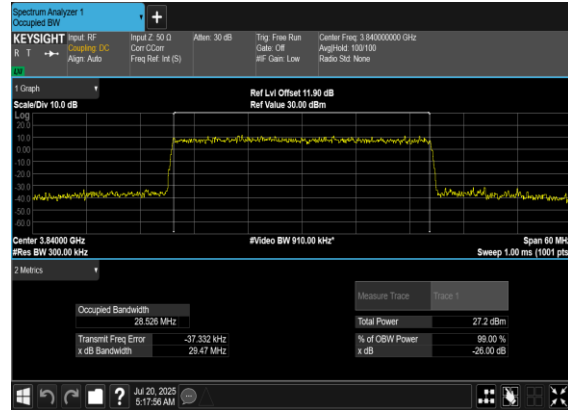




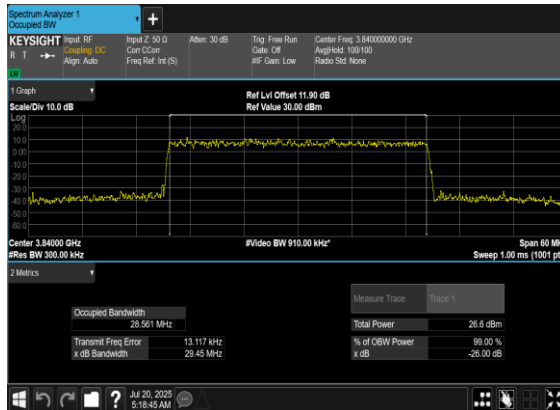
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OFDM_QPSK_Outer_Full_Mid_CH



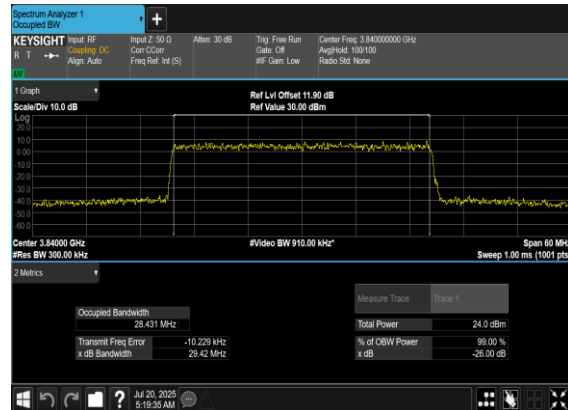
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QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

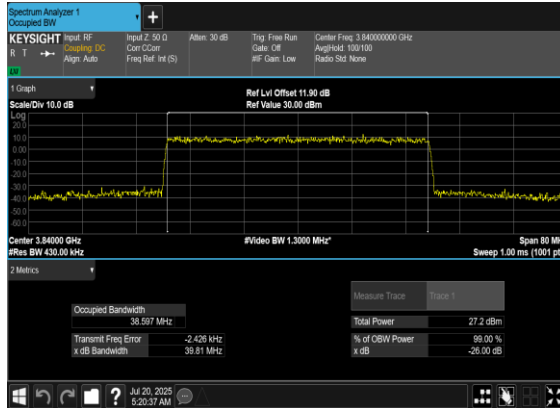


N77(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

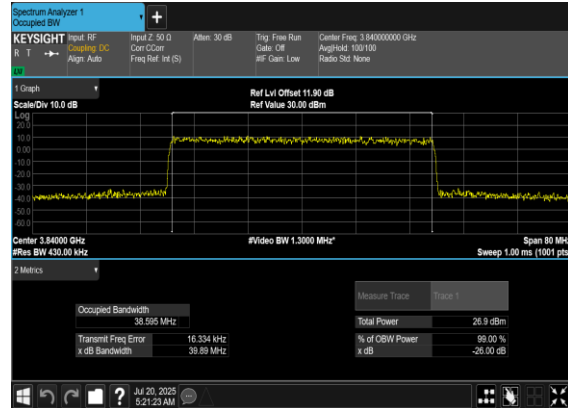




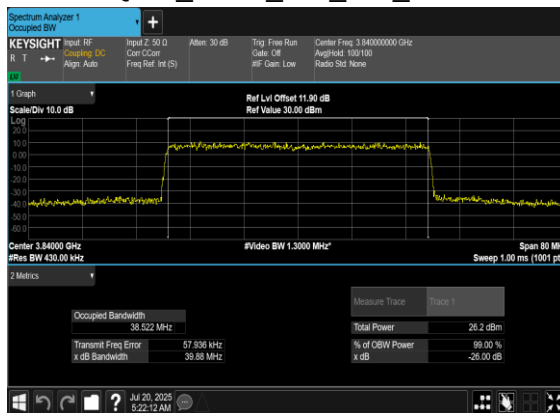
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OFDM_QPSK_Outer_Full_Mid_CH



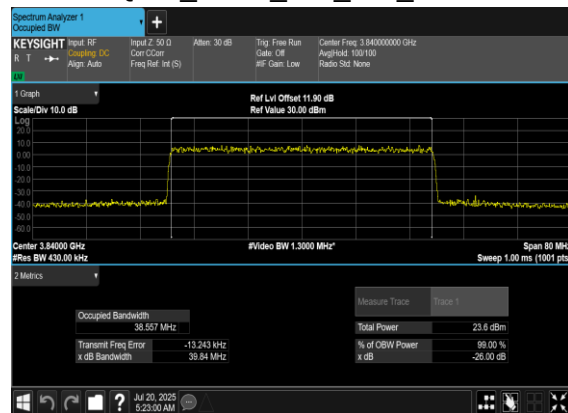
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QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

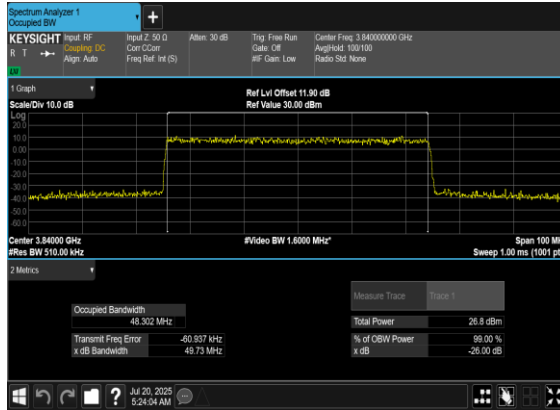


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QAM_Outer_Full_Mid_CH

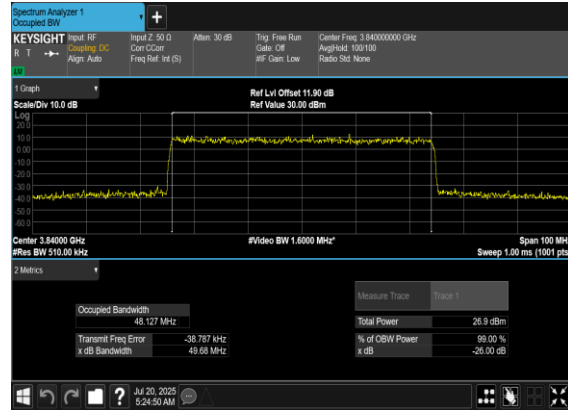




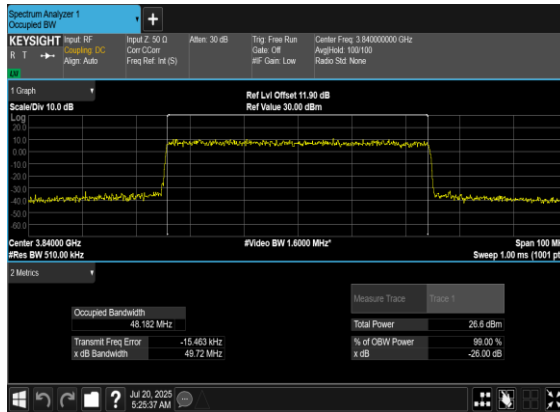
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



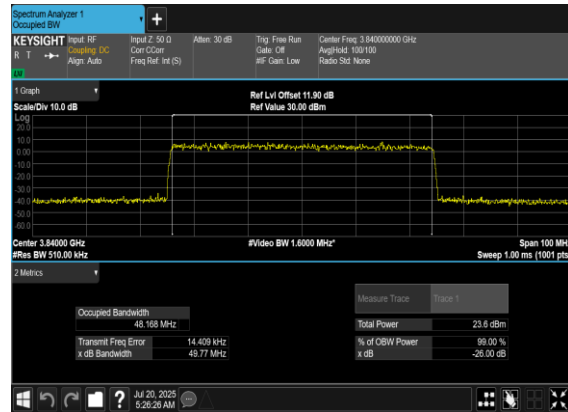
N77(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

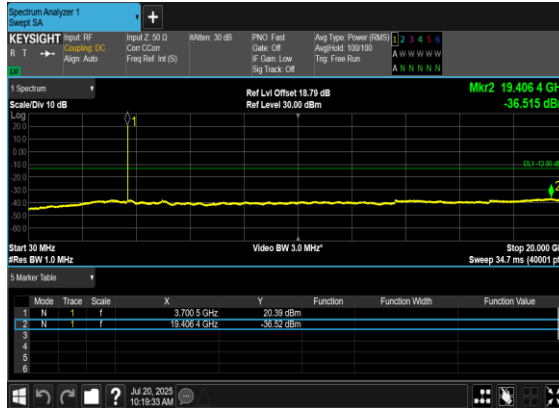
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	---
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	15	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	---
77	15	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	25	647500	3712.5	CP-OFDM QPSK	1@0	see graph	---
77	15	25	647500	3712.5	CP-OFDM QPSK	1@0	see graph	PASS
77	15	25	647500	3712.5	CP-OFDM QPSK	1@0	see graph	PASS
77	15	25	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	15	25	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	25	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	25	664500	3967.5	CP-OFDM QPSK	1@0	see graph	---
77	15	25	664500	3967.5	CP-OFDM QPSK	1@0	see graph	PASS
77	15	25	664500	3967.5	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	---
77	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS



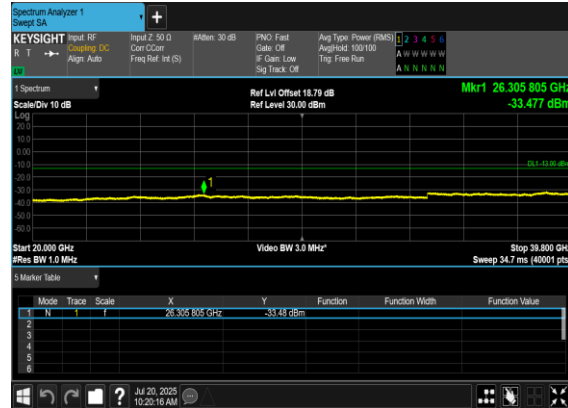
77	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	15	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	---
77	15	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	PASS



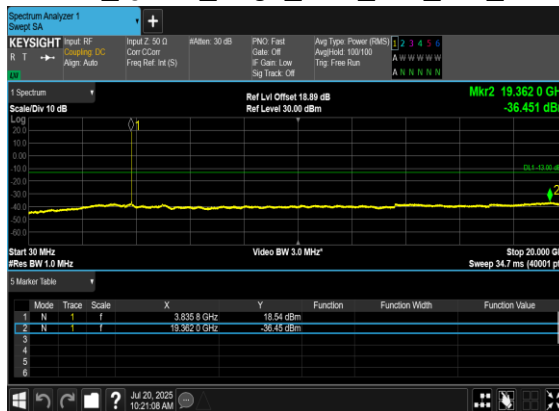
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



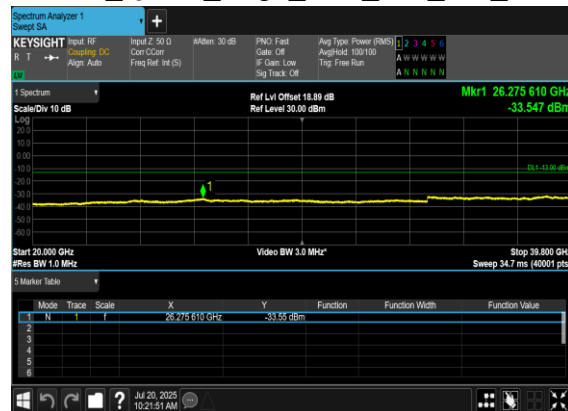
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

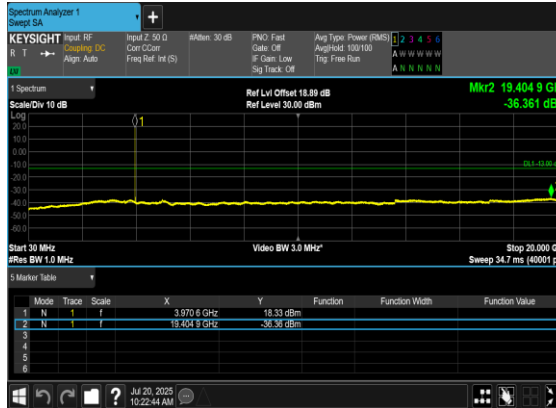


N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

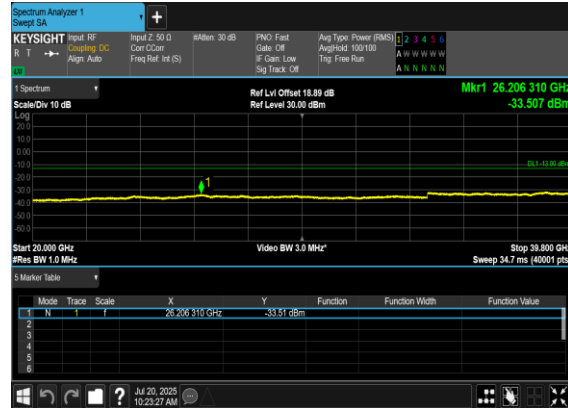




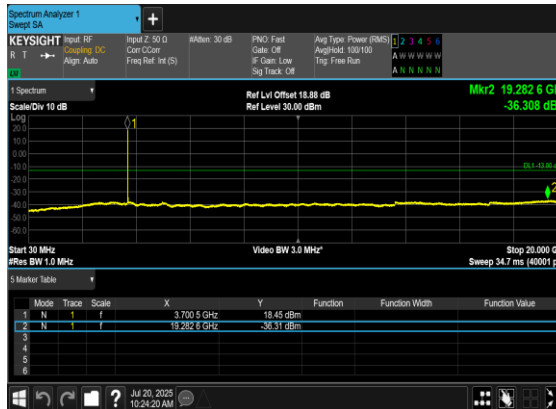
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



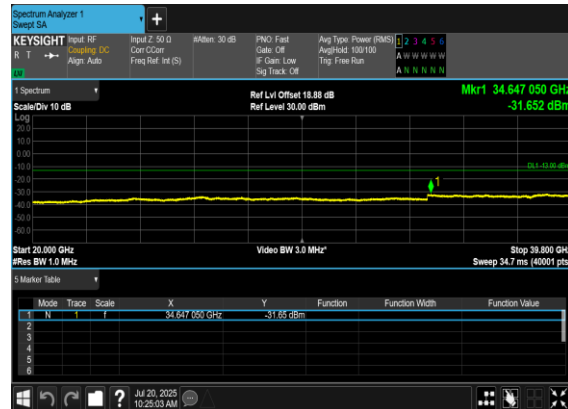
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(25M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

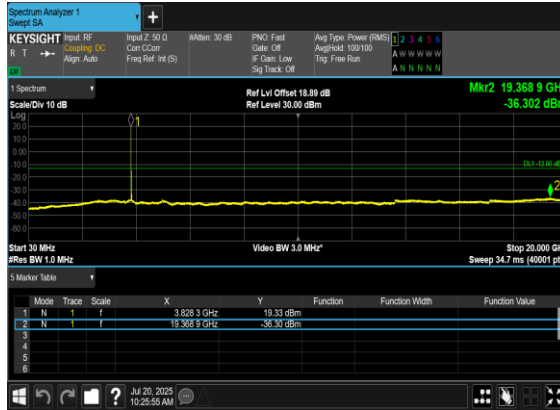


N77(25M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

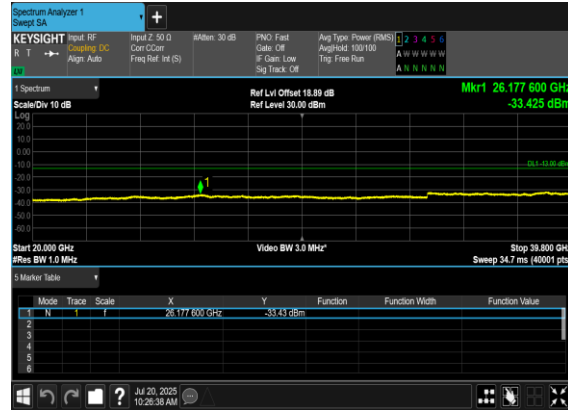




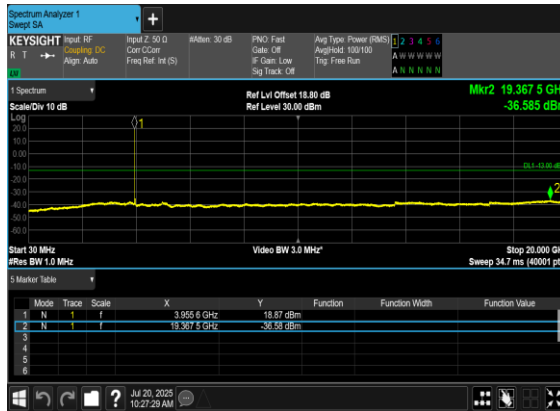
N77(25M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



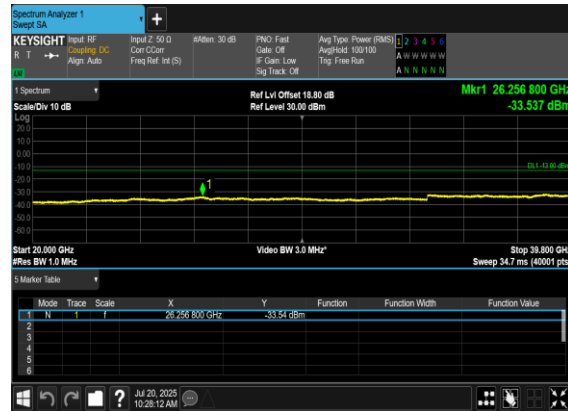
N77(25M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(25M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

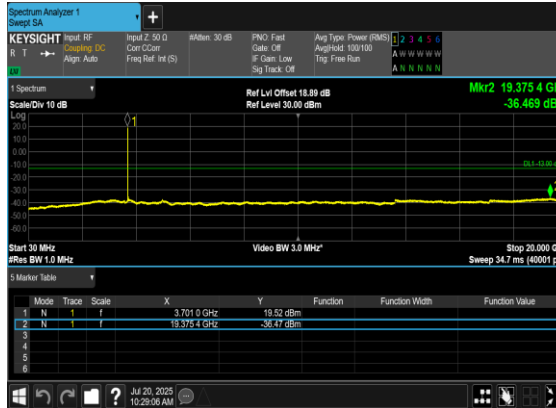


N77(25M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

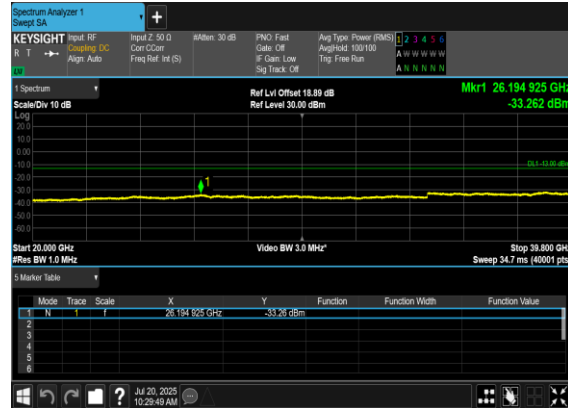




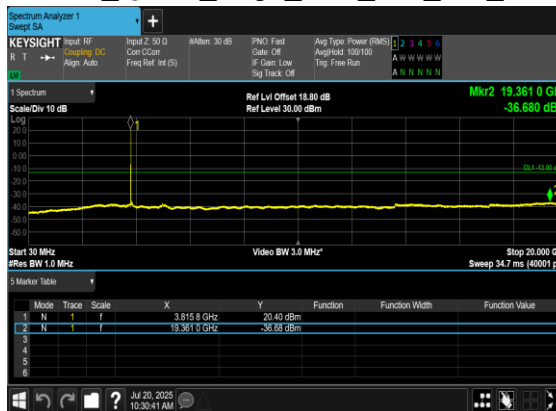
N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



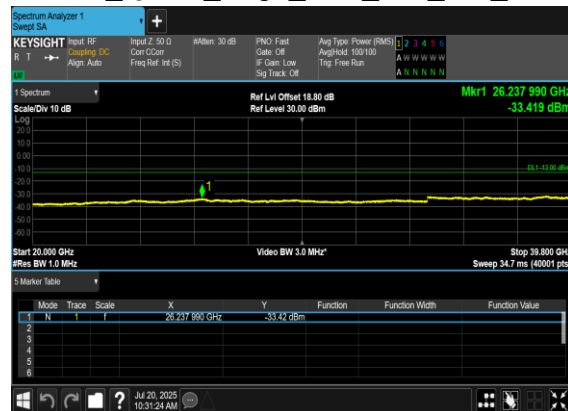
N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

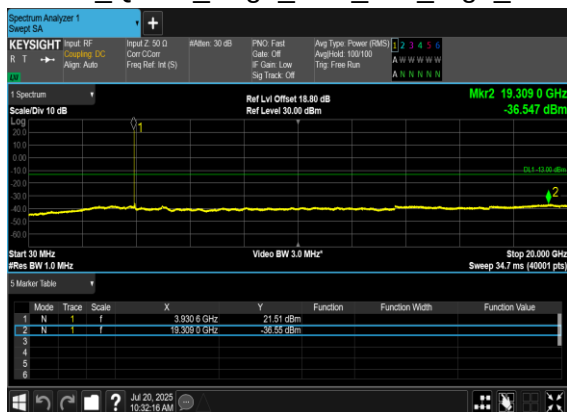


N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH





N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



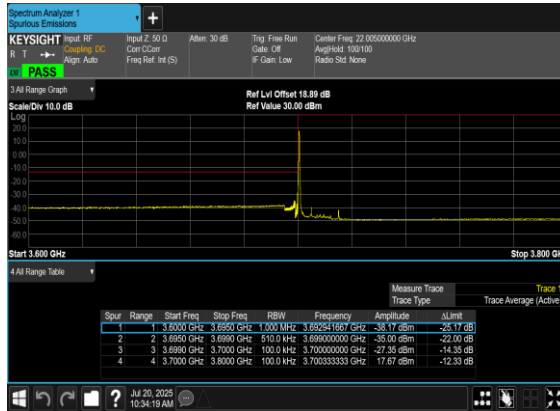


Conducted Band Edge

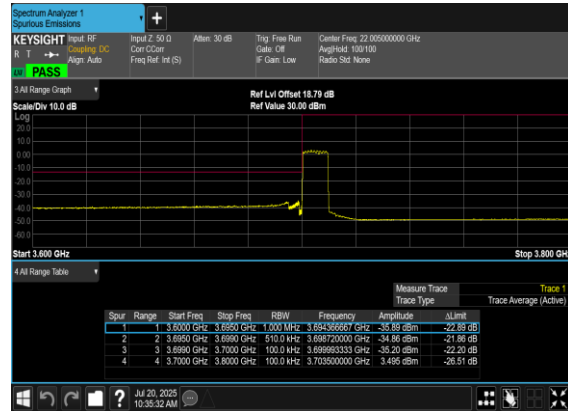
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	647000	3705.0	CP-OFDM QPSK	52@0	see graph	PASS
77	15	10	665000	3975.0	CP-OFDM QPSK	1@51	see graph	PASS
77	15	10	665000	3975.0	CP-OFDM QPSK	52@0	see graph	PASS
77	15	25	647500	3712.5	CP-OFDM QPSK	1@0	see graph	PASS
77	15	25	647500	3712.5	CP-OFDM QPSK	133@0	see graph	PASS
77	15	25	664500	3967.5	CP-OFDM QPSK	1@132	see graph	PASS
77	15	25	664500	3967.5	CP-OFDM QPSK	133@0	see graph	PASS
77	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	CP-OFDM QPSK	270@0	see graph	PASS
77	15	50	663666	3954.99	CP-OFDM QPSK	1@269	see graph	PASS
77	15	50	663666	3954.99	CP-OFDM QPSK	270@0	see graph	PASS



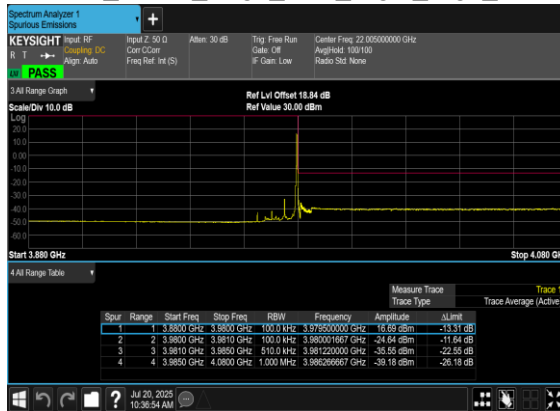
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



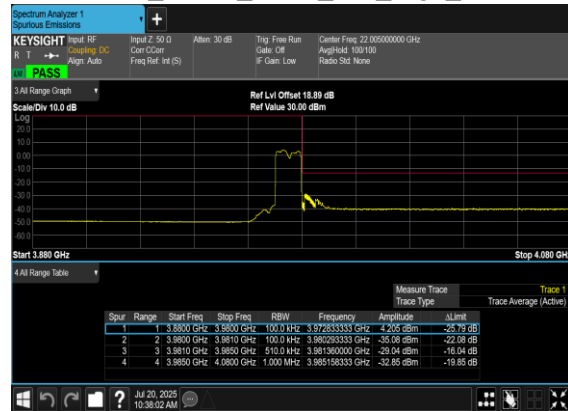
N77(10M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

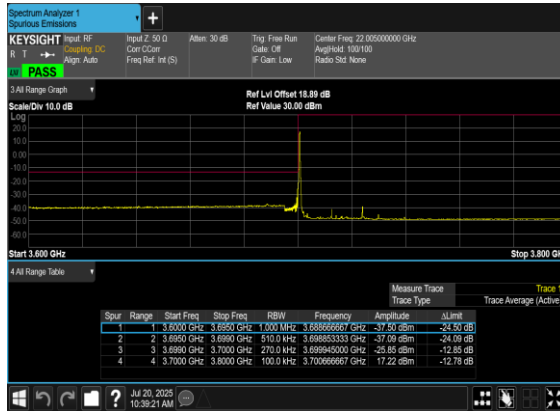


N77(10M)_CP-
OFDM_QPSK_Outer_Full_High_CH

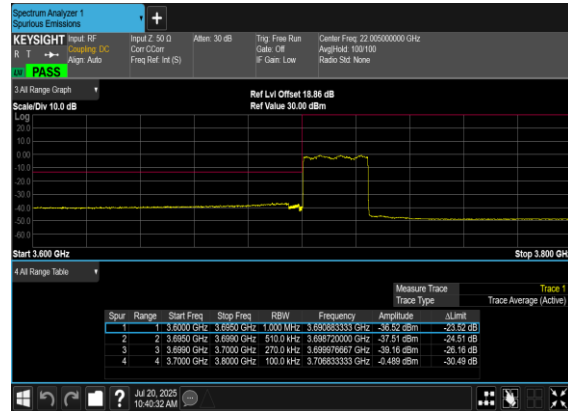




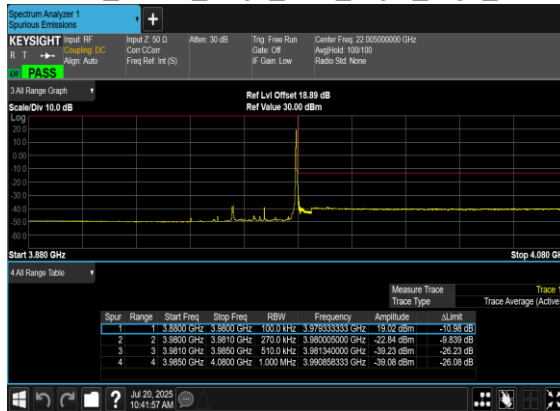
N77(25M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



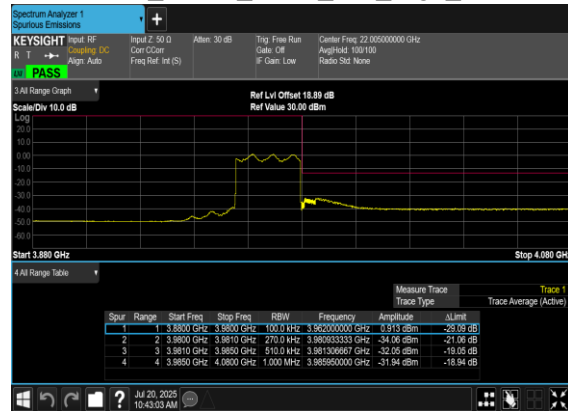
N77(25M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(25M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

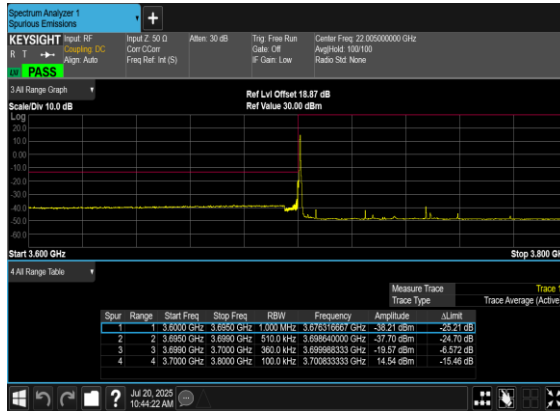


N77(25M)_CP-
OFDM_QPSK_Outer_Full_High_CH

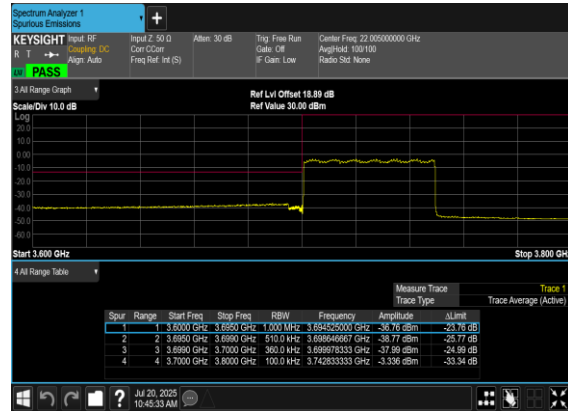




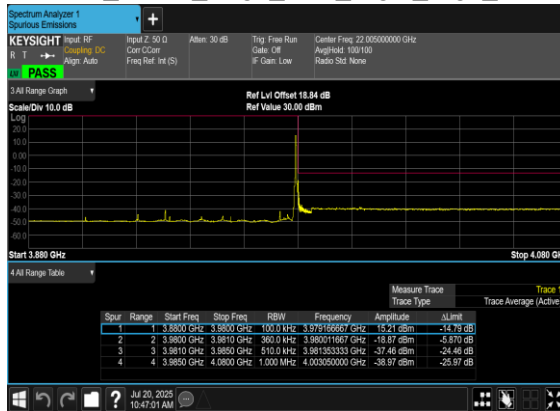
N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



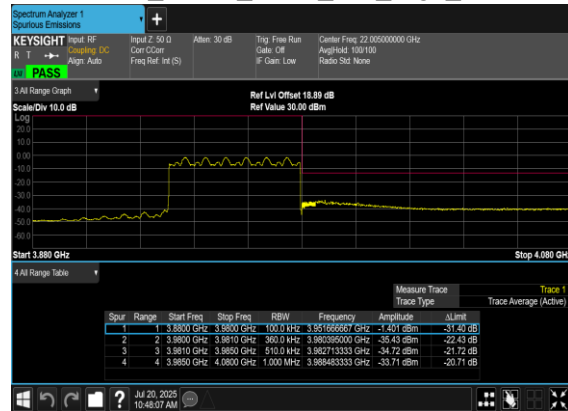
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_CP-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 n77 UL MIMO(Ant 6)-15 kHz

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	16	PASS	NV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	16.4	PASS	LV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	18.1	PASS	HV
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	8	PASS	-30℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	7.4	PASS	-20℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	12	PASS	-10℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	14.2	PASS	0℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	16.1	PASS	10℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	9	PASS	20℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	12	PASS	30℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	12.2	PASS	40℃
77	15	20	656000	3840.0	DFT-s-OFDM QPSK	100@0	13.2	PASS	50℃

|MAX(Δf)| = 18.1 Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3700.899082	≥ 3700 MHz	PASS
$f_H + \text{MAX}(\Delta f) $	3979.100918	≤ 3980 MHz	

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	8.25	13	PASS

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH





Occupied Bandwidth

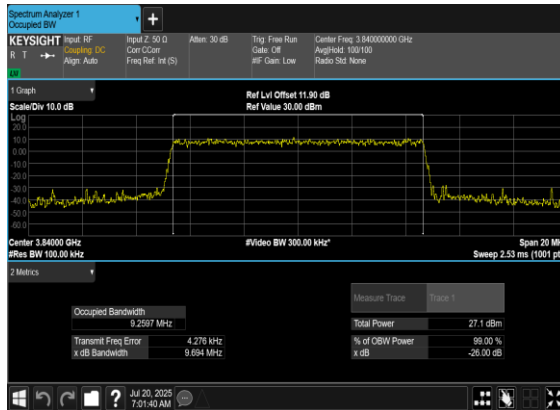
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	15	10	656000	3840.0	CP-OFDM QPSK	52@0	9.2597	9.694
77	15	10	656000	3840.0	CP-OFDM 16 QAM	52@0	9.2922	9.683
77	15	10	656000	3840.0	CP-OFDM 64 QAM	52@0	9.2742	9.713
77	15	10	656000	3840.0	CP-OFDM 256 QAM	52@0	9.2633	9.674
77	15	15	656000	3840.0	CP-OFDM QPSK	79@0	14.055	14.68
77	15	15	656000	3840.0	CP-OFDM 16 QAM	79@0	14.149	14.62
77	15	15	656000	3840.0	CP-OFDM 64 QAM	79@0	14.114	14.62
77	15	15	656000	3840.0	CP-OFDM 256 QAM	79@0	14.063	14.59
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	18.896	19.6
77	15	20	656000	3840.0	CP-OFDM 16 QAM	106@0	18.865	19.55
77	15	20	656000	3840.0	CP-OFDM 64 QAM	106@0	18.899	19.52
77	15	20	656000	3840.0	CP-OFDM 256 QAM	106@0	18.892	19.67
77	15	25	656000	3840.0	CP-OFDM QPSK	133@0	23.809	24.7
77	15	25	656000	3840.0	CP-OFDM 16 QAM	133@0	23.699	24.58
77	15	25	656000	3840.0	CP-OFDM 64 QAM	133@0	23.715	24.63
77	15	25	656000	3840.0	CP-OFDM 256 QAM	133@0	23.763	24.63
77	15	30	656000	3840.0	CP-OFDM QPSK	160@0	28.501	29.55
77	15	30	656000	3840.0	CP-OFDM 16 QAM	160@0	28.485	29.56
77	15	30	656000	3840.0	CP-OFDM 64 QAM	160@0	28.644	29.49
77	15	30	656000	3840.0	CP-OFDM 256 QAM	160@0	28.547	29.46
77	15	40	656000	3840.0	CP-OFDM QPSK	216@0	38.663	39.8
77	15	40	656000	3840.0	CP-OFDM 16 QAM	216@0	38.354	39.8



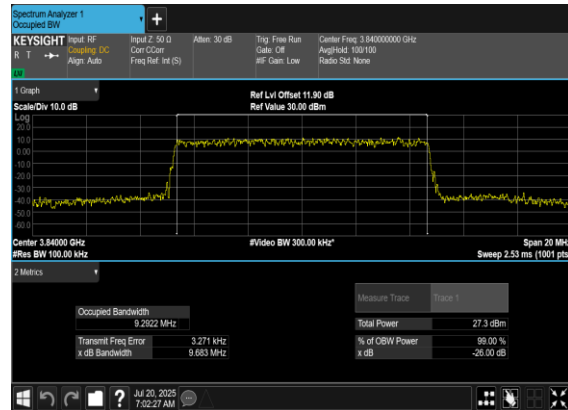
77	15	40	656000	3840.0	CP-OFDM 64 QAM	216@0	38.466	39.87
77	15	40	656000	3840.0	CP-OFDM 256 QAM	216@0	38.517	39.88
77	15	50	656000	3840.0	CP-OFDM QPSK	270@0	48.165	49.76
77	15	50	656000	3840.0	CP-OFDM 16 QAM	270@0	48.133	49.71
77	15	50	656000	3840.0	CP-OFDM 64 QAM	270@0	48.16	49.72
77	15	50	656000	3840.0	CP-OFDM 256 QAM	270@0	48.253	49.72



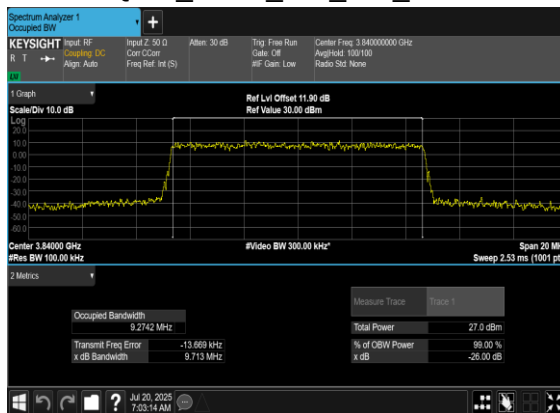
N77(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



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

