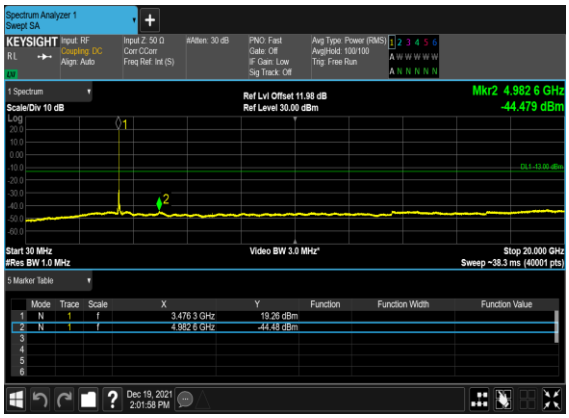
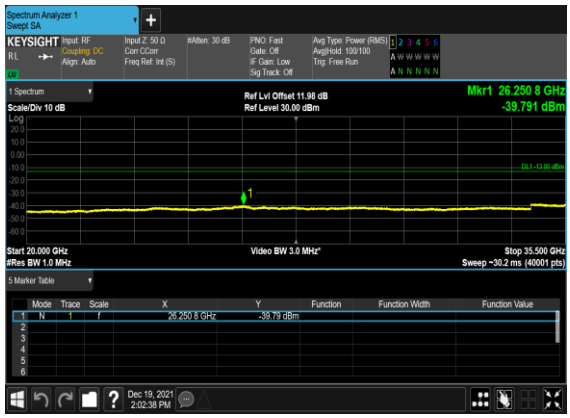
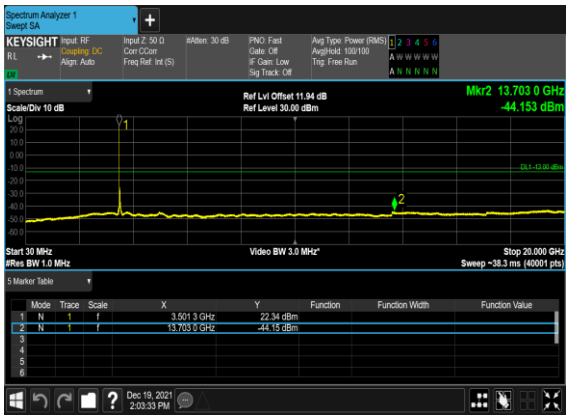
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

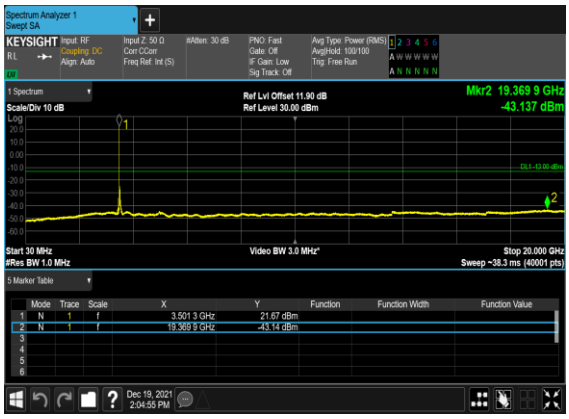


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

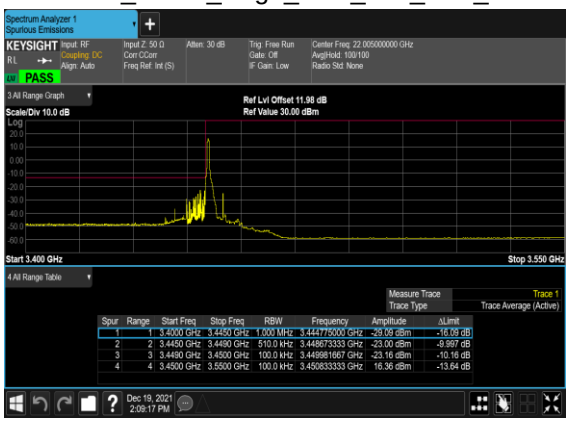
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

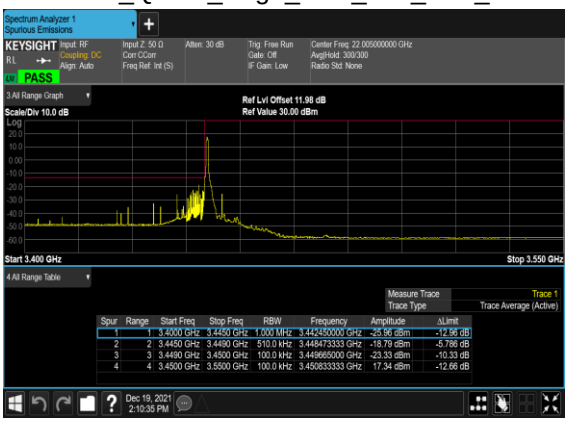
Conducted Band Edge

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	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@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	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	128@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	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

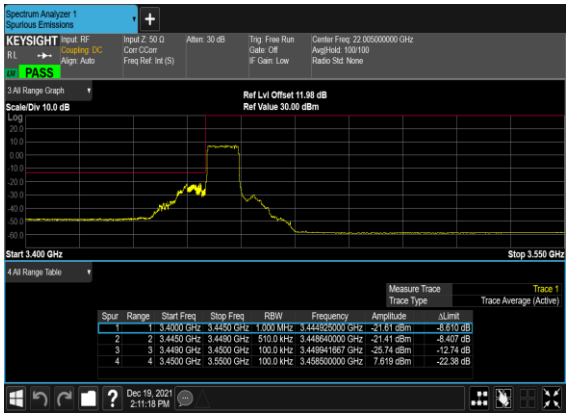
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



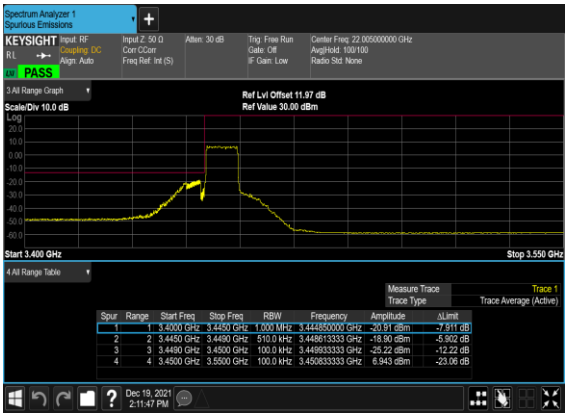
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



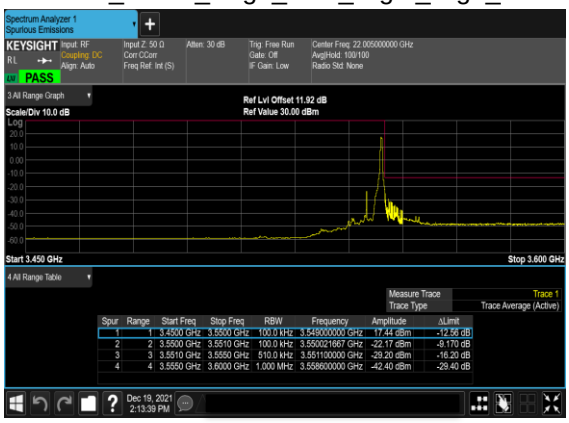
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



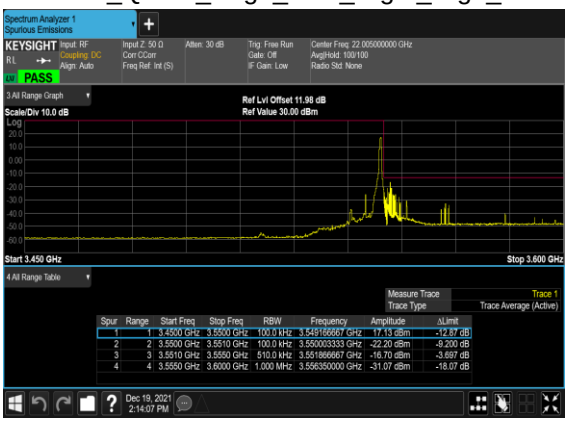
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



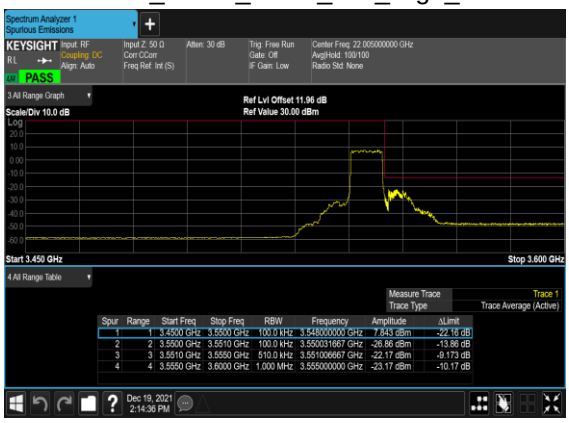
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



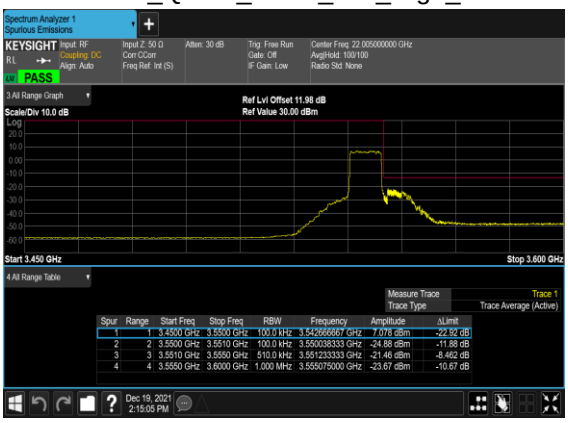
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



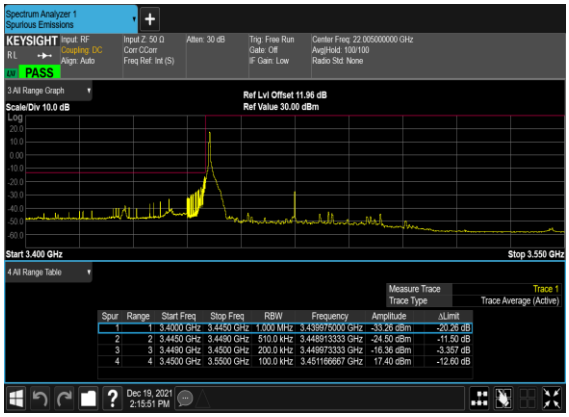
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



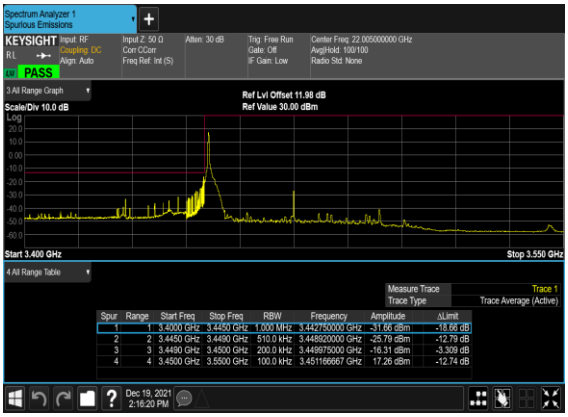
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



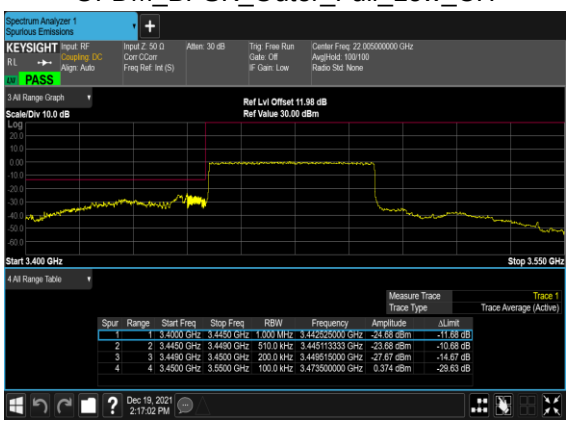
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



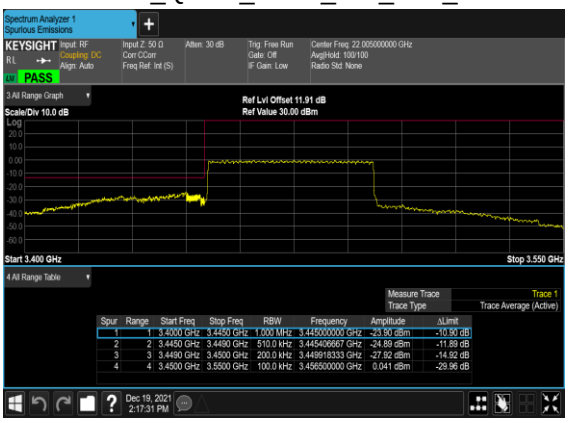
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



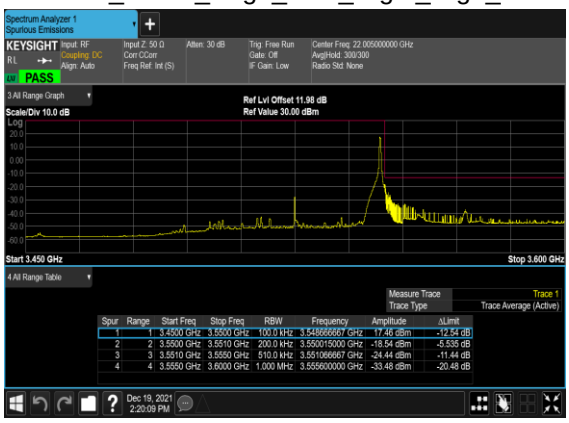
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



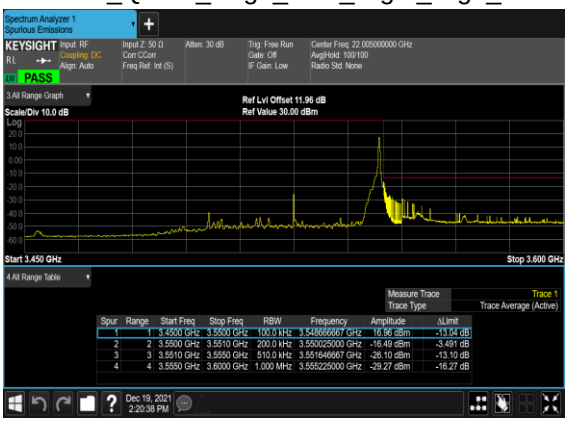
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



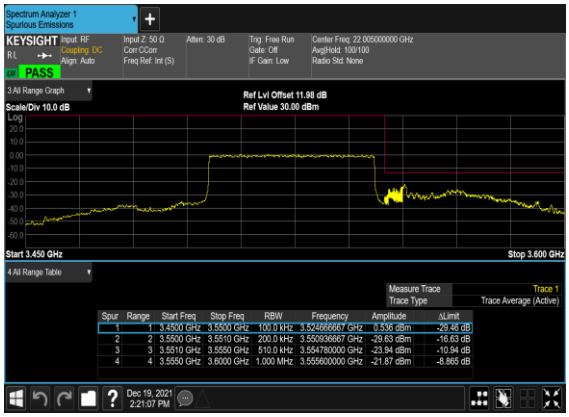
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



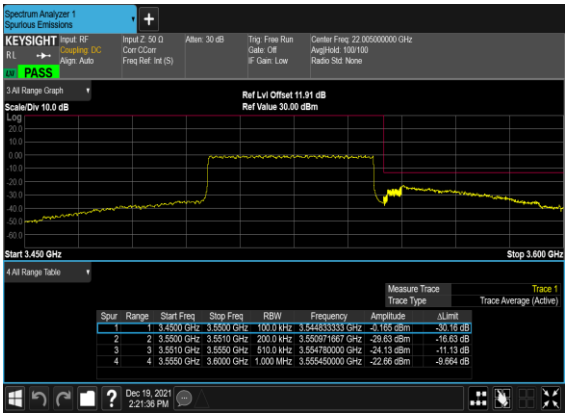
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



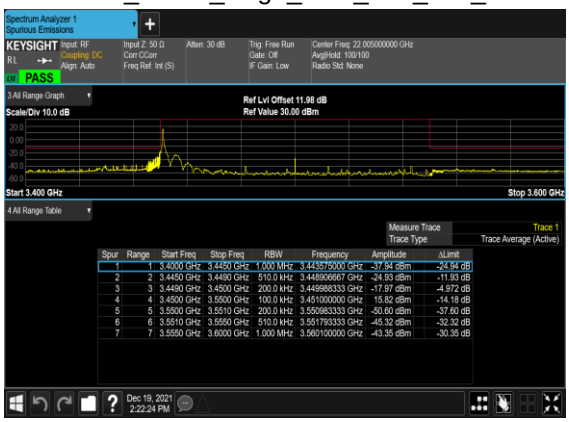
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



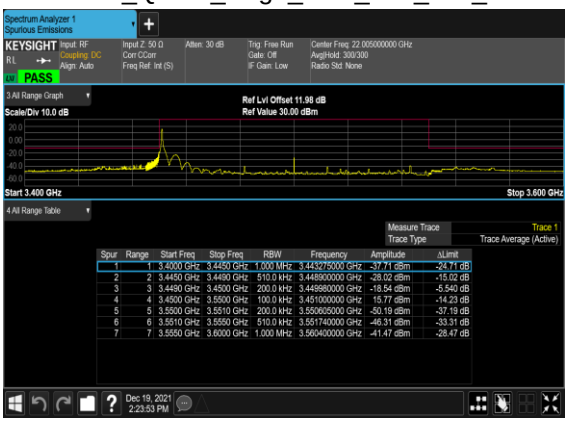
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



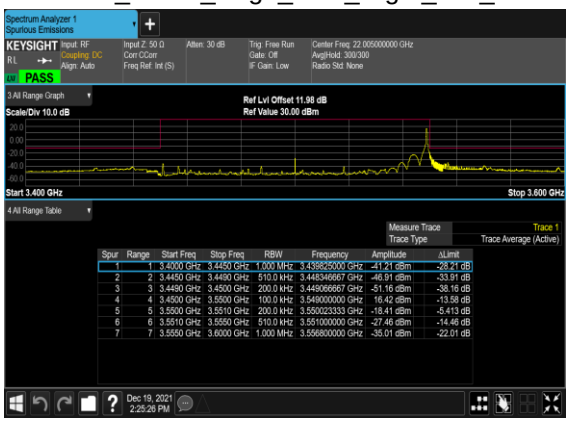
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



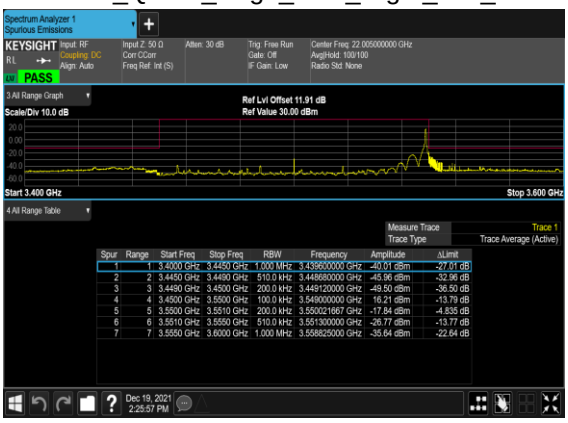
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



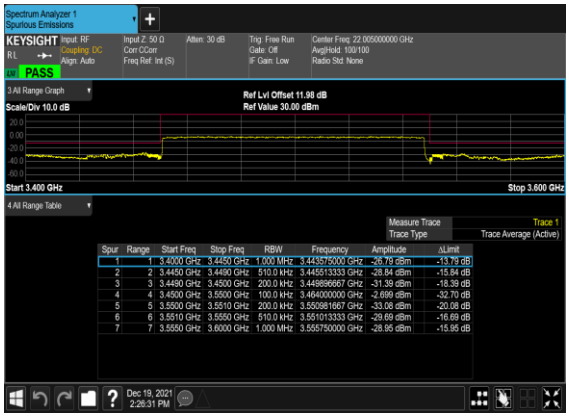
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



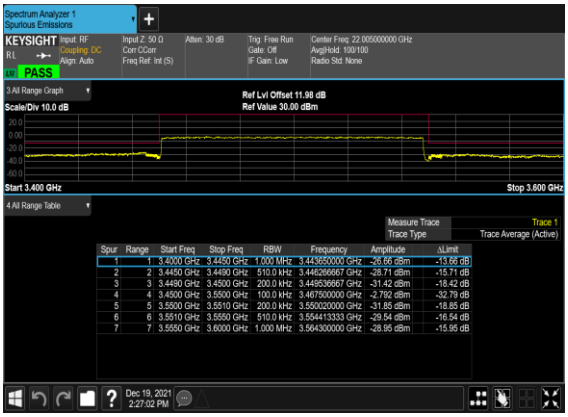
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



Software Version: 21.02.121001

FR1 N77(MIMO ANT5+6) – SCS 15kHz

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=6.0dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT5 Power(dBm)	ANT6 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	15	10	630334	3455.01	CP-OFDM QPSK	26@13	21.82	21.64	24.74	30.74	1.1861
77	15	10	630334	3455.01	CP-OFDM QPSK	1@1	21.71	21.58	24.66	30.66	1.1630
77	15	10	630334	3455.01	CP-OFDM QPSK	1@50	21.83	21.64	24.75	30.75	1.1875
77	15	10	630334	3455.01	CP-OFDM 16 QAM	26@13	21.29	21.16	24.24	30.24	1.0558
77	15	10	630334	3455.01	CP-OFDM 16 QAM	1@1	21.31	21.08	24.21	30.21	1.0488
77	15	10	630334	3455.01	CP-OFDM 16 QAM	1@50	21.42	21.17	24.31	30.31	1.0733
77	15	10	630334	3455.01	CP-OFDM 64 QAM	26@13	19.95	19.7	22.84	28.84	0.7651
77	15	10	630334	3455.01	CP-OFDM 64 QAM	1@1	20.01	19.81	22.92	28.92	0.7801
77	15	10	630334	3455.01	CP-OFDM 64 QAM	1@50	19.76	19.84	22.81	28.81	0.7604
77	15	10	630334	3455.01	CP-OFDM 256 QAM	26@13	16.76	16.58	19.68	25.68	0.3699
77	15	10	630334	3455.01	CP-OFDM 256 QAM	1@1	17.12	16.88	20.01	26.01	0.3992
77	15	10	630334	3455.01	CP-OFDM 256 QAM	1@50	17.14	16.89	20.03	26.03	0.4006
77	15	10	633334	3455.01	CP-OFDM QPSK	26@13	21.79	21.62	24.72	30.72	1.1793
77	15	10	633334	3455.01	CP-OFDM QPSK	1@1	21.86	21.61	24.75	30.75	1.1877
77	15	10	633334	3455.01	CP-OFDM QPSK	1@50	21.79	21.55	24.68	30.68	1.1700
77	15	10	633334	3455.01	CP-OFDM 16 QAM	26@13	21.33	21.16	24.26	30.26	1.0608
77	15	10	633334	3455.01	CP-OFDM 16 QAM	1@1	21.39	20.85	24.14	30.14	1.0324
77	15	10	633334	3455.01	CP-OFDM 16 QAM	1@50	21.44	21.34	24.40	30.40	1.0966
77	15	10	633334	3455.01	CP-OFDM 64 QAM	26@13	19.21	19.38	22.31	28.31	0.6770
77	15	10	633334	3500.01	CP-OFDM 64 QAM	1@1	19.71	19.89	22.81	28.81	0.7605
77	15	10	633334	3500.01	CP-OFDM 64 QAM	1@50	19.36	19.63	22.51	28.51	0.7092
77	15	10	633334	3500.01	CP-OFDM 256 QAM	26@13	16.61	16.8	19.72	25.72	0.3729
77	15	10	633334	3500.01	CP-OFDM 256 QAM	1@1	16.93	16.83	19.89	25.89	0.3882
77	15	10	633334	3500.01	CP-OFDM 256 QAM	1@50	16.83	16.24	19.56	25.56	0.3594
77	15	10	636333	3544.995	CP-OFDM QPSK	26@13	21.89	21.83	24.87	30.87	1.2219
77	15	10	636333	3544.995	CP-OFDM QPSK	1@1	21.82	21.78	24.81	30.81	1.2051
77	15	10	636333	3544.995	CP-OFDM QPSK	1@50	21.89	21.86	24.89	30.89	1.2261
77	15	10	636333	3544.995	CP-OFDM	26@13	21.44	21.36	24.41	30.41	1.0991

					16 QAM						
77	15	10	636333	3544.995	CP-OFDM 16 QAM	1@1	21.47	21.22	24.36	30.36	1.0857
77	15	10	636333	3544.995	CP-OFDM 16 QAM	1@50	21.42	21.34	24.39	30.39	1.0941
77	15	10	636333	3544.995	CP-OFDM 64 QAM	26@13	19.95	19.83	22.90	28.90	0.7764
77	15	10	636333	3544.995	CP-OFDM 64 QAM	1@1	19.96	19.86	22.92	28.92	0.7799
77	15	10	636333	3544.995	CP-OFDM 64 QAM	1@50	19.8	19.96	22.89	28.89	0.7746
77	15	10	636333	3544.995	CP-OFDM 256 QAM	26@13	16.83	16.85	19.85	25.85	0.3846
77	15	10	636333	3544.995	CP-OFDM 256 QAM	1@1	17.15	16.88	20.03	26.03	0.4006
77	15	10	636333	3544.995	CP-OFDM 256 QAM	1@50	16.93	16.7	19.83	25.83	0.3825
77	15	15	630500	3544.995	CP-OFDM QPSK	39@19	20.45	20.36	23.42	29.42	0.8741
77	15	15	630500	3457.5	CP-OFDM QPSK	1@1	21.79	21.63	24.72	30.72	1.1806
77	15	15	630500	3457.5	CP-OFDM QPSK	1@77	21.75	21.59	24.68	30.68	1.1698
77	15	15	630500	3457.5	CP-OFDM 16 QAM	39@19	21.36	21.21	24.30	30.30	1.0705
77	15	15	630500	3457.5	CP-OFDM 16 QAM	1@1	21.42	21.06	24.25	30.25	1.0602
77	15	15	630500	3457.5	CP-OFDM 16 QAM	1@77	21.37	21.08	24.24	30.24	1.0563
77	15	15	630500	3457.5	CP-OFDM 64 QAM	39@19	19.86	19.67	22.78	28.78	0.7545
77	15	15	630500	3457.5	CP-OFDM 64 QAM	1@1	19.53	19.68	22.62	28.62	0.7271
77	15	15	630500	3457.5	CP-OFDM 64 QAM	1@77	19.84	19.66	22.76	28.76	0.7518
77	15	15	630500	3457.5	CP-OFDM 256 QAM	39@19	16.74	16.57	19.67	25.67	0.3686
77	15	15	630500	3457.5	CP-OFDM 256 QAM	1@1	16.75	16.49	19.63	25.63	0.3658
77	15	15	630500	3457.5	CP-OFDM 256 QAM	1@77	17.03	16.86	19.96	25.96	0.3941
77	15	15	633334	3500.01	CP-OFDM QPSK	39@19	21.71	21.85	24.79	30.79	1.1997
77	15	15	633334	3500.01	CP-OFDM QPSK	1@1	21.58	21.72	24.66	30.66	1.1644
77	15	15	633334	3500.01	CP-OFDM QPSK	1@77	21.69	21.78	24.75	30.75	1.1873
77	15	15	633334	3500.01	CP-OFDM 16 QAM	39@19	21.22	21.32	24.28	30.28	1.0667
77	15	15	633334	3500.01	CP-OFDM 16 QAM	1@1	21.19	21.33	24.27	30.27	1.0644
77	15	15	633334	3500.01	CP-OFDM 16 QAM	1@77	21.3	21.3	24.31	30.31	1.0741
77	15	15	633334	3500.01	CP-OFDM 64 QAM	39@19	19.65	19.87	22.77	28.77	0.7536
77	15	15	633334	3500.01	CP-OFDM 64 QAM	1@1	19.64	19.86	22.76	28.76	0.7519
77	15	15	633334	3500.01	CP-OFDM 64 QAM	1@77	19.77	19.91	22.85	28.85	0.7675
77	15	15	633334	3500.01	CP-OFDM 256 QAM	39@19	16.6	16.78	19.70	25.70	0.3716
77	15	15	633334	3500.01	CP-OFDM 256 QAM	1@1	16.9	16.56	19.74	25.74	0.3753
77	15	15	633334	3500.01	CP-OFDM 256 QAM	1@77	16.79	16.18	19.51	25.51	0.3553
77	15	15	636166	3542.49	CP-OFDM QPSK	39@19	21.94	21.82	24.89	30.89	1.2276

77	15	15	636166	3542.49	CP-OFDM QPSK	1@1	21.79	21.69	24.75	30.75	1.1887
77	15	15	636166	3542.49	CP-OFDM QPSK	1@77	21.77	21.7	24.75	30.75	1.1873
77	15	15	636166	3542.49	CP-OFDM 16 QAM	39@19	21.43	21.28	24.37	30.37	1.0879
77	15	15	636166	3542.49	CP-OFDM 16 QAM	1@1	21.42	21.22	24.33	30.33	1.0793
77	15	15	636166	3542.49	CP-OFDM 16 QAM	1@77	21.41	21.38	24.41	30.41	1.0978
77	15	15	636166	3542.49	CP-OFDM 64 QAM	39@19	19.86	19.85	22.87	28.87	0.7701
77	15	15	636166	3542.49	CP-OFDM 64 QAM	1@1	19.58	19.87	22.74	28.74	0.7478
77	15	15	636166	3542.49	CP-OFDM 64 QAM	1@77	19.88	19.92	22.91	28.91	0.7781
77	15	15	636166	3542.49	CP-OFDM 256 QAM	39@19	16.81	16.73	19.78	25.78	0.3785
77	15	15	636166	3542.49	CP-OFDM 256 QAM	1@1	17.08	17.01	20.06	26.06	0.4032
77	15	15	636166	3542.49	CP-OFDM 256 QAM	1@77	17.05	16.59	19.84	25.84	0.3834
77	15	20	630667	3460.005	CP-OFDM QPSK	53@26	21.78	21.67	24.74	30.74	1.1846
77	15	20	630667	3460.005	CP-OFDM QPSK	1@1	21.73	21.69	24.72	30.72	1.1804
77	15	20	630667	3460.005	CP-OFDM QPSK	1@104	21.63	21.6	24.63	30.63	1.1549
77	15	20	630667	3460.005	CP-OFDM 16 QAM	53@26	21.29	21.24	24.28	30.28	1.0655
77	15	20	630667	3460.005	CP-OFDM 16 QAM	1@1	21.41	21.15	24.29	30.29	1.0696
77	15	20	630667	3460.005	CP-OFDM 16 QAM	1@104	21.33	21.3	24.33	30.33	1.0778
77	15	20	630667	3460.005	CP-OFDM 64 QAM	53@26	19.82	19.65	22.75	28.75	0.7492
77	15	20	630667	3460.005	CP-OFDM 64 QAM	1@1	19.7	19.8	22.76	28.76	0.7517
77	15	20	630667	3460.005	CP-OFDM 64 QAM	1@104	19.85	19.72	22.80	28.80	0.7578
77	15	20	630667	3460.005	CP-OFDM 256 QAM	53@26	16.81	16.59	19.71	25.71	0.3725
77	15	20	630667	3460.005	CP-OFDM 256 QAM	1@1	17.17	16.63	19.92	25.92	0.3907
77	15	20	630667	3460.005	CP-OFDM 256 QAM	1@104	16.93	16.65	19.80	25.80	0.3804
77	15	20	633334	3500.01	CP-OFDM QPSK	53@26	21.49	21.7	24.61	30.61	1.1499
77	15	20	633334	3500.01	CP-OFDM QPSK	1@1	21.68	21.76	24.73	30.73	1.1832
77	15	20	633334	3500.01	CP-OFDM QPSK	1@104	21.7	21.82	24.77	30.77	1.1942
77	15	20	633334	3500.01	CP-OFDM 16 QAM	53@26	21.14	21.43	24.30	30.30	1.0710
77	15	20	633334	3500.01	CP-OFDM 16 QAM	1@1	21.28	21.04	24.17	30.17	1.0404
77	15	20	633334	3500.01	CP-OFDM 16 QAM	1@104	20.94	21.29	24.13	30.13	1.0301
77	15	20	633334	3500.01	CP-OFDM 64 QAM	53@26	19.65	19.83	22.75	28.75	0.7501
77	15	20	633334	3500.01	CP-OFDM 64 QAM	1@1	19.5	19.91	22.72	28.72	0.7448
77	15	20	633334	3500.01	CP-OFDM 64 QAM	1@104	19.54	19.97	22.77	28.77	0.7535
77	15	20	633334	3500.01	CP-OFDM 256 QAM	53@26	16.64	16.8	19.73	25.73	0.3742
77	15	20	633334	3500.01	CP-OFDM 256 QAM	1@1	17.02	16.88	19.96	25.96	0.3945

77	15	20	633334	3500.01	CP-OFDM 256 QAM	1@104	16.78	16.23	19.52	25.52	0.3568
77	15	20	636000	3500.01	CP-OFDM QPSK	53@26	21.67	21.86	24.78	30.78	1.1957
77	15	20	636000	3500.01	CP-OFDM QPSK	1@1	21.86	21.86	24.87	30.87	1.2219
77	15	20	636000	3500.01	CP-OFDM QPSK	1@104	21.74	21.82	24.79	30.79	1.1996
77	15	20	636000	3540	CP-OFDM 16 QAM	53@26	21.32	21.36	24.35	30.35	1.0840
77	15	20	636000	3540	CP-OFDM 16 QAM	1@1	21.46	21.34	24.41	30.41	1.0992
77	15	20	636000	3540	CP-OFDM 16 QAM	1@104	21.21	21.27	24.25	30.25	1.0594
77	15	20	636000	3540	CP-OFDM 64 QAM	53@26	19.85	19.78	22.83	28.83	0.7630
77	15	20	636000	3540	CP-OFDM 64 QAM	1@1	19.76	19.94	22.86	28.86	0.7693
77	15	20	636000	3540	CP-OFDM 64 QAM	1@104	19.95	19.99	22.98	28.98	0.7907
77	15	20	636000	3540	CP-OFDM 256 QAM	53@26	16.73	16.74	19.75	25.75	0.3754
77	15	20	636000	3540	CP-OFDM 256 QAM	1@1	17.15	16.86	20.02	26.02	0.3997
77	15	20	636000	3540	CP-OFDM 256 QAM	1@104	17.08	16.68	19.89	25.89	0.3886
77	15	40	631334	3470.01	CP-OFDM QPSK	108@54	21.64	21.64	24.65	30.65	1.1615
77	15	40	631334	3470.01	CP-OFDM QPSK	1@1	21.32	21.36	24.35	30.35	1.0840
77	15	40	631334	3470.01	CP-OFDM QPSK	1@214	21.14	21.23	24.20	30.20	1.0461
77	15	40	631334	3470.01	CP-OFDM 16 QAM	108@54	21.12	21.13	24.14	30.14	1.0316
77	15	40	631334	3470.01	CP-OFDM 16 QAM	1@1	21	20.82	23.92	29.92	0.9820
77	15	40	631334	3470.01	CP-OFDM 16 QAM	1@214	20.52	20.71	23.63	29.63	0.9176
77	15	40	631334	3470.01	CP-OFDM 64 QAM	108@54	19.7	19.7	22.71	28.71	0.7431
77	15	40	631334	3470.01	CP-OFDM 64 QAM	1@1	19.39	19.48	22.45	28.45	0.6991
77	15	40	631334	3470.01	CP-OFDM 64 QAM	1@214	19.24	19.35	22.31	28.31	0.6770
77	15	40	631334	3470.01	CP-OFDM 256 QAM	108@54	16.59	16.62	19.62	25.62	0.3644
77	15	40	631334	3470.01	CP-OFDM 256 QAM	1@1	16.67	16.53	19.61	25.61	0.3640
77	15	40	631334	3470.01	CP-OFDM 256 QAM	1@214	16.43	16.16	19.31	25.31	0.3394
77	15	40	633334	3470.01	CP-OFDM QPSK	108@54	21.6	21.65	24.64	30.64	1.1575
77	15	40	633334	3470.01	CP-OFDM QPSK	1@1	21.86	21.53	24.71	30.71	1.1772
77	15	40	633334	3470.01	CP-OFDM QPSK	1@214	21.81	21.88	24.86	30.86	1.2177
77	15	40	633334	3500.01	CP-OFDM 16 QAM	108@54	21.1	21.3	24.21	30.21	1.0499
77	15	40	633334	3500.01	CP-OFDM 16 QAM	1@1	20.86	20.93	23.91	29.91	0.9785
77	15	40	633334	3500.01	CP-OFDM 16 QAM	1@214	20.64	20.84	23.75	29.75	0.9444
77	15	40	633334	3500.01	CP-OFDM 64 QAM	108@54	19.61	19.85	22.74	28.74	0.7485
77	15	40	633334	3500.01	CP-OFDM 64 QAM	1@1	19.37	19.54	22.47	28.47	0.7024
77	15	40	633334	3500.01	CP-OFDM 64 QAM	1@214	19.3	19.49	22.41	28.41	0.6928

77	15	40	633334	3500.01	CP-OFDM 256 QAM	108@54	16.55	16.79	19.68	25.68	0.3700
77	15	40	633334	3500.01	CP-OFDM 256 QAM	1@1	16.38	15.85	19.13	25.13	0.3261
77	15	40	633334	3500.01	CP-OFDM 256 QAM	1@214	16.6	16.68	19.65	25.65	0.3673
77	15	40	635333	3529.995	CP-OFDM QPSK	108@54	21.72	21.75	24.75	30.75	1.1872
77	15	40	635333	3529.995	CP-OFDM QPSK	1@1	21.25	21.41	24.34	30.34	1.0817
77	15	40	635333	3529.995	CP-OFDM QPSK	1@214	21.19	21.18	24.20	30.20	1.0460
77	15	40	635333	3529.995	CP-OFDM 16 QAM	108@54	21.27	21.25	24.27	30.27	1.0642
77	15	40	635333	3529.995	CP-OFDM 16 QAM	1@1	20.8	21.01	23.92	29.92	0.9810
77	15	40	635333	3529.995	CP-OFDM 16 QAM	1@214	20.67	20.77	23.73	29.73	0.9399
77	15	40	635333	3529.995	CP-OFDM 64 QAM	108@54	19.73	19.73	22.74	28.74	0.7482
77	15	40	635333	3529.995	CP-OFDM 64 QAM	1@1	19.48	19.38	22.44	28.44	0.6983
77	15	40	635333	3529.995	CP-OFDM 64 QAM	1@214	19.38	19.43	22.42	28.42	0.6943
77	15	40	635333	3529.995	CP-OFDM 256 QAM	108@54	16.67	16.73	19.71	25.71	0.3724
77	15	40	635333	3529.995	CP-OFDM 256 QAM	1@1	16.36	15.95	19.17	25.17	0.3289
77	15	40	635333	3529.995	CP-OFDM 256 QAM	1@214	16.64	16.66	19.66	25.66	0.3682
77	15	50	631667	3475.005	CP-OFDM QPSK	135@67	21.61	21.67	24.65	30.65	1.1616
77	15	50	631667	3475.005	CP-OFDM QPSK	1@1	21.58	21.66	24.63	30.63	1.1562
77	15	50	631667	3475.005	CP-OFDM QPSK	1@268	21.49	21.54	24.53	30.53	1.1286
77	15	50	631667	3475.005	CP-OFDM 16 QAM	135@67	21.16	21.12	24.15	30.15	1.0352
77	15	50	631667	3475.005	CP-OFDM 16 QAM	1@1	21.31	20.89	24.12	30.12	1.0269
77	15	50	631667	3475.005	CP-OFDM 16 QAM	1@268	21.1	20.78	23.95	29.95	0.9893
77	15	50	631667	3475.005	CP-OFDM 64 QAM	135@67	19.57	19.67	22.63	28.63	0.7296
77	15	50	631667	3475.005	CP-OFDM 64 QAM	1@1	19.55	19.79	22.68	28.68	0.7382
77	15	50	631667	3475.005	CP-OFDM 64 QAM	1@268	19.54	19.38	22.47	28.47	0.7032
77	15	50	631667	3475.005	CP-OFDM 256 QAM	135@67	16.55	16.56	19.57	25.57	0.3602
77	15	50	631667	3475.005	CP-OFDM 256 QAM	1@1	16.99	16.51	19.77	25.77	0.3773
77	15	50	631667	3475.005	CP-OFDM 256 QAM	1@268	16.8	16.83	19.83	25.83	0.3824
77	15	50	633334	3475.005	CP-OFDM QPSK	135@67	21.62	21.67	24.66	30.66	1.1629
77	15	50	633334	3475.005	CP-OFDM QPSK	1@1	21.68	21.66	24.68	30.68	1.1696
77	15	50	633334	3500.01	CP-OFDM QPSK	1@268	21.58	21.58	24.59	30.59	1.1456
77	15	50	633334	3500.01	CP-OFDM 16 QAM	135@67	21.13	21.28	24.22	30.22	1.0510
77	15	50	633334	3500.01	CP-OFDM 16 QAM	1@1	21.26	21.39	24.34	30.34	1.0804
77	15	50	633334	3500.01	CP-OFDM 16 QAM	1@268	21.02	21.09	24.07	30.07	1.0152
77	15	50	633334	3500.01	CP-OFDM 64 QAM	135@67	19.58	19.8	22.70	28.70	0.7416

77	15	50	633334	3500.01	CP-OFDM 64 QAM	1@1	19.69	19.83	22.77	28.77	0.7535
77	15	50	633334	3500.01	CP-OFDM 64 QAM	1@268	19.64	19.73	22.70	28.70	0.7405
77	15	50	633334	3500.01	CP-OFDM 256 QAM	135@67	16.58	16.83	19.72	25.72	0.3730
77	15	50	633334	3500.01	CP-OFDM 256 QAM	1@1	16.68	16.52	19.61	25.61	0.3640
77	15	50	633334	3500.01	CP-OFDM 256 QAM	1@268	16.88	16.82	19.86	25.86	0.3855
77	15	50	635000	3525	CP-OFDM QPSK	135@67	21.8	21.78	24.80	30.80	1.2024
77	15	50	635000	3525	CP-OFDM QPSK	1@1	21.67	21.69	24.69	30.69	1.1723
77	15	50	635000	3525	CP-OFDM QPSK	1@268	21.6	21.54	24.58	30.58	1.1430
77	15	50	635000	3525	CP-OFDM 16 QAM	135@67	21.31	21.21	24.27	30.27	1.0643
77	15	50	635000	3525	CP-OFDM 16 QAM	1@1	21.28	21.01	24.16	30.16	1.0369
77	15	50	635000	3525	CP-OFDM 16 QAM	1@268	21.32	21.02	24.18	30.18	1.0430
77	15	50	635000	3525	CP-OFDM 64 QAM	135@67	19.74	19.79	22.78	28.78	0.7543
77	15	50	635000	3525	CP-OFDM 64 QAM	1@1	19.77	19.66	22.73	28.73	0.7457
77	15	50	635000	3525	CP-OFDM 64 QAM	1@268	19.8	19.42	22.62	28.62	0.7285
77	15	50	635000	3525	CP-OFDM 256 QAM	135@67	16.79	16.75	19.78	25.78	0.3785
77	15	50	635000	3525	CP-OFDM 256 QAM	1@1	17.02	16.86	19.95	25.95	0.3936
77	15	50	635000	3525	CP-OFDM 256 QAM	1@268	16.88	16.55	19.73	25.73	0.3740

MIMO Gain= Maximum (Ant.5, Ant.6)=6.0dBi

Software Version: 21.02.121001

FR1 N77(MIMO ANT5) – SCS 15kHz

Frequency Stability

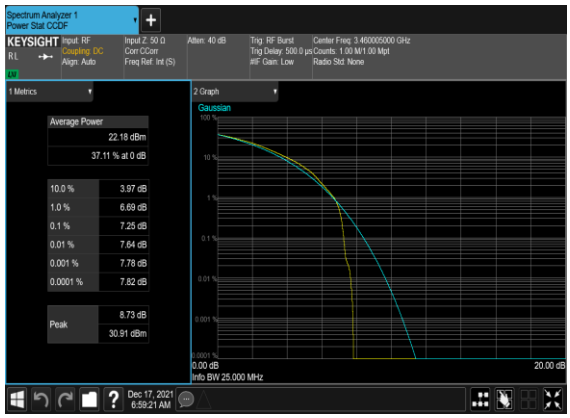
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0284	**PASS**	NV
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0217	**PASS**	LV
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0334	**PASS**	HV
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0615	**PASS**	-30℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0222	**PASS**	-20℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0605	**PASS**	-10℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0028	**PASS**	0℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0272	**PASS**	10℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0426	**PASS**	20℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0659	**PASS**	30℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0604	**PASS**	40℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0397	**PASS**	50℃

Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	15	20	630667	3460.005	CP-OFDM QPSK	106@0	8.21	13	**PASS**
77	15	20	630667	3460.005	CP-OFDM QPSK	1@0	7.25	13	**PASS**
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	8.19	13	**PASS**
77	15	20	633334	3500.01	CP-OFDM QPSK	1@0	6.77	13	**PASS**
77	15	20	636000	3540.0	CP-OFDM QPSK	106@0	8.21	13	**PASS**
77	15	20	636000	3540.0	CP-OFDM QPSK	1@0	7.07	13	**PASS**

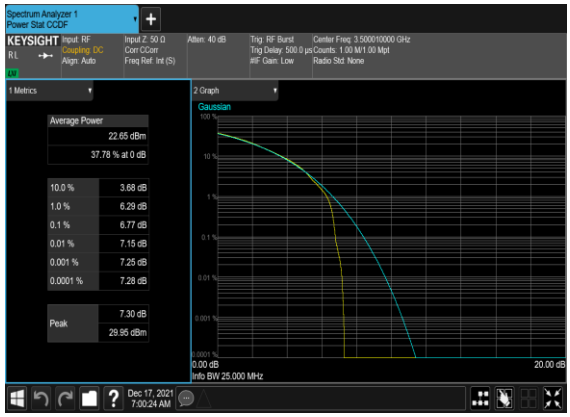
N77(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



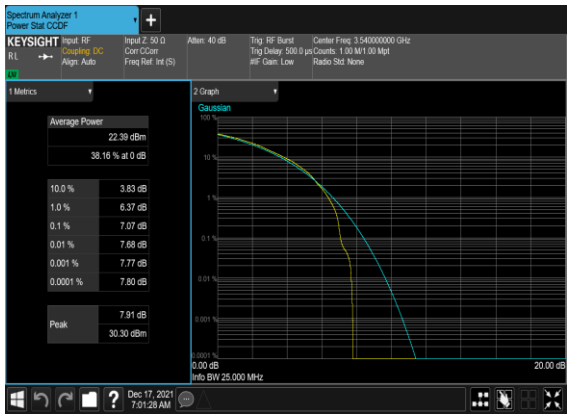
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(20M)_CP-OFDM_QPSK_Outer_Full_High_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH

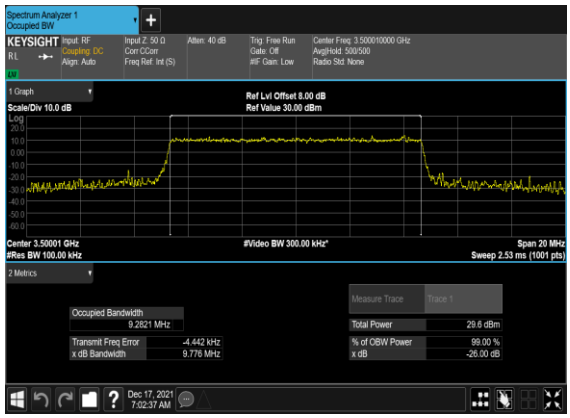


Occupied Bandwidth

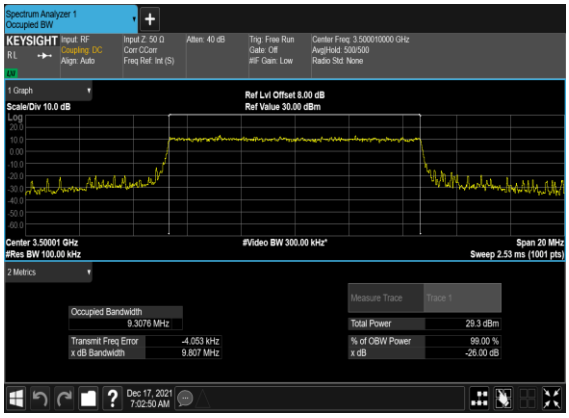
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	15	10	633334	3500.01	CP-OFDM QPSK	52@0	9.2771	9.809
77	15	10	633334	3500.01	CP-OFDM 16 QAM	52@0	9.2821	9.776
77	15	10	633334	3500.01	CP-OFDM 64 QAM	52@0	9.3076	9.807
77	15	10	633334	3500.01	CP-OFDM 256 QAM	52@0	9.27	9.761
77	15	15	633334	3500.01	CP-OFDM QPSK	79@0	14.112	14.74
77	15	15	633334	3500.01	CP-OFDM 16 QAM	79@0	14.095	14.71
77	15	15	633334	3500.01	CP-OFDM 64 QAM	79@0	14.092	14.84
77	15	15	633334	3500.01	CP-OFDM 256 QAM	79@0	14.073	14.82
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	18.876	19.99
77	15	20	633334	3500.01	CP-OFDM 16 QAM	106@0	18.911	19.75
77	15	20	633334	3500.01	CP-OFDM 64 QAM	106@0	18.956	19.76
77	15	20	633334	3500.01	CP-OFDM 256 QAM	106@0	18.932	19.73
77	15	40	633334	3500.01	CP-OFDM QPSK	216@0	38.521	39.92
77	15	40	633334	3500.01	CP-OFDM 16 QAM	216@0	38.484	39.95
77	15	40	633334	3500.01	CP-OFDM 64 QAM	216@0	38.529	39.9
77	15	40	633334	3500.01	CP-OFDM 256 QAM	216@0	38.474	40.0
77	15	50	633334	3500.01	CP-OFDM QPSK	270@0	48.01	49.94
77	15	50	633334	3500.01	CP-OFDM 16 QAM	270@0	48.109	49.78
77	15	50	633334	3500.01	CP-OFDM 64 QAM	270@0	48.148	49.83
77	15	50	633334	3500.01	CP-OFDM 256 QAM	270@0	48.241	49.86

N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

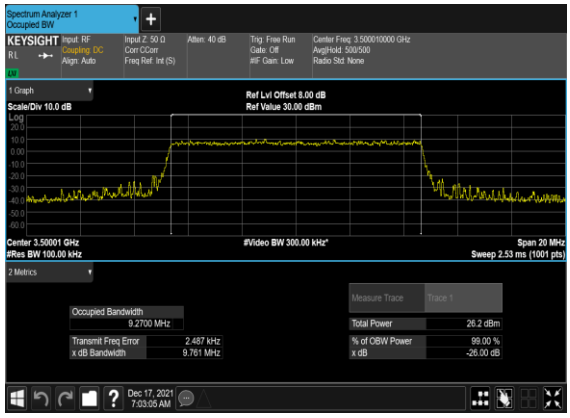
N77(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



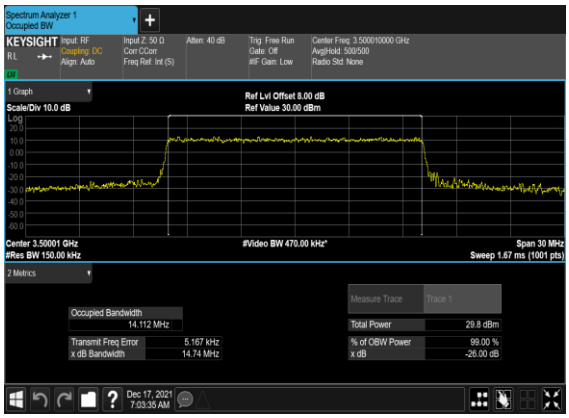
N77(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

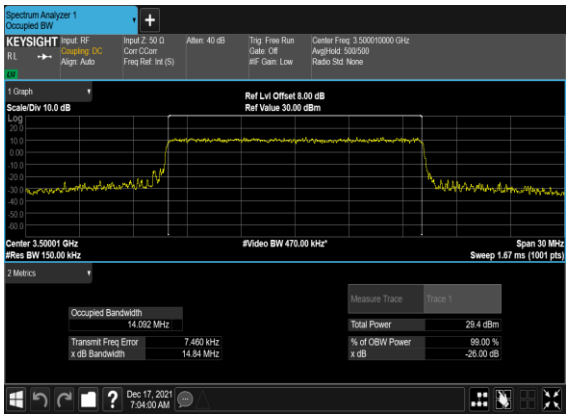


N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

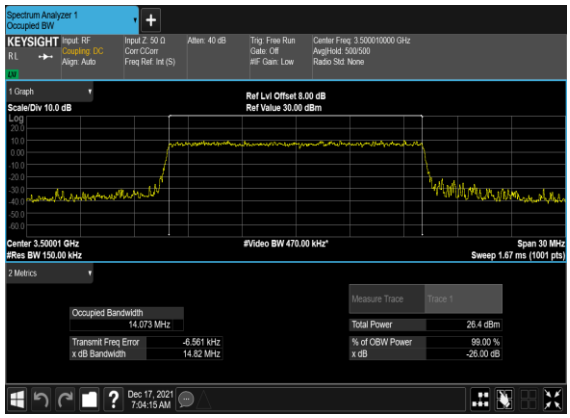


N77(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

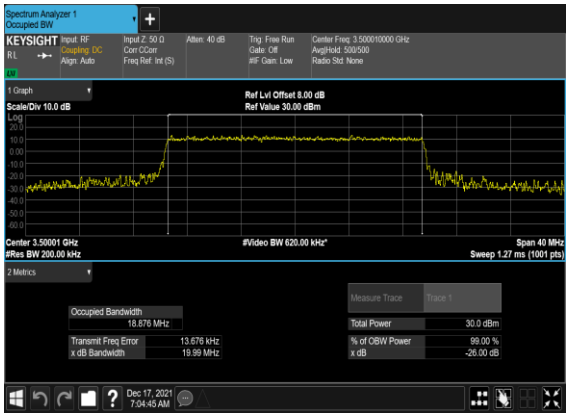
N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



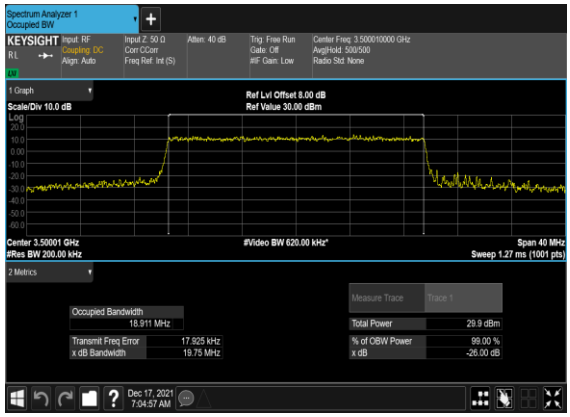
N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



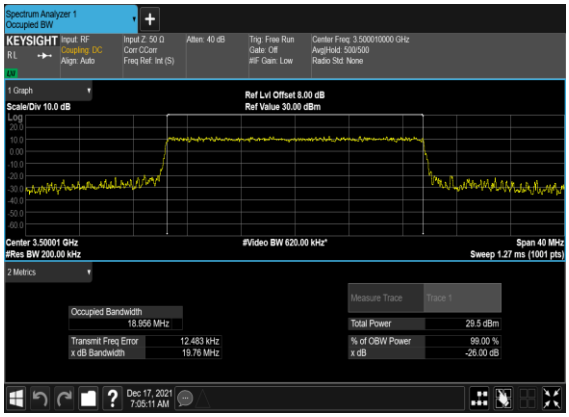
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



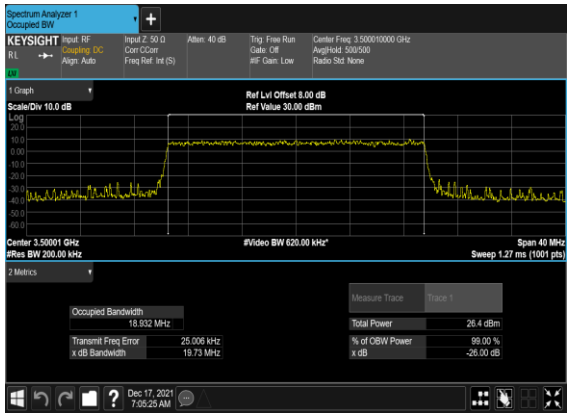
N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



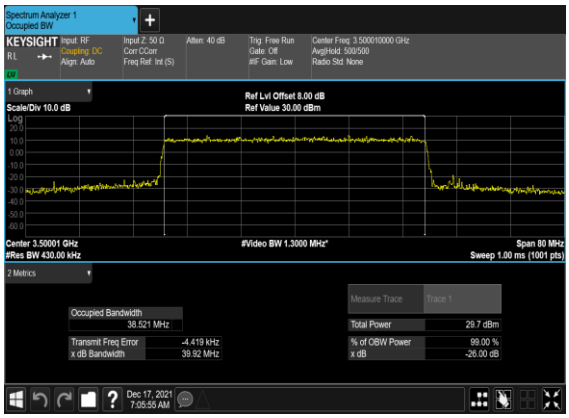
N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



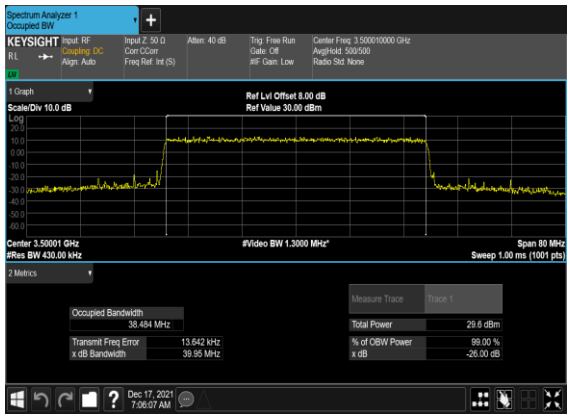
N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



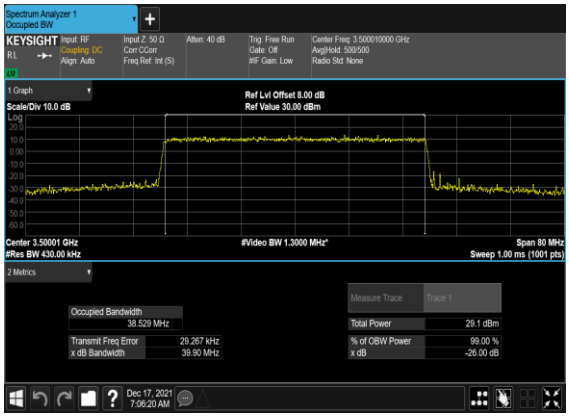
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



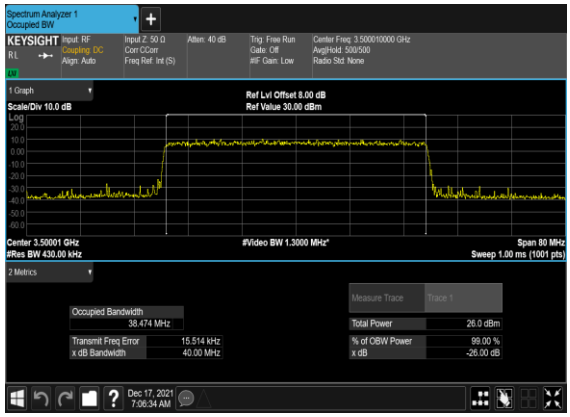
N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



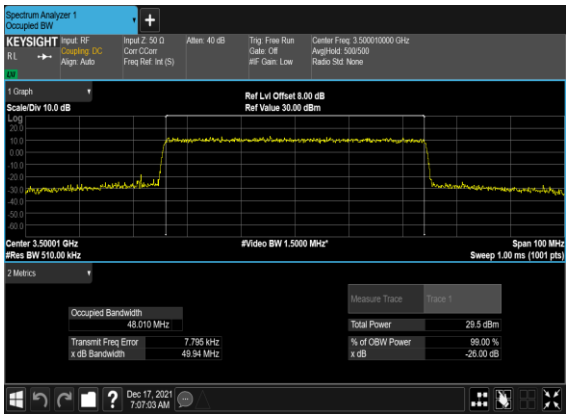
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



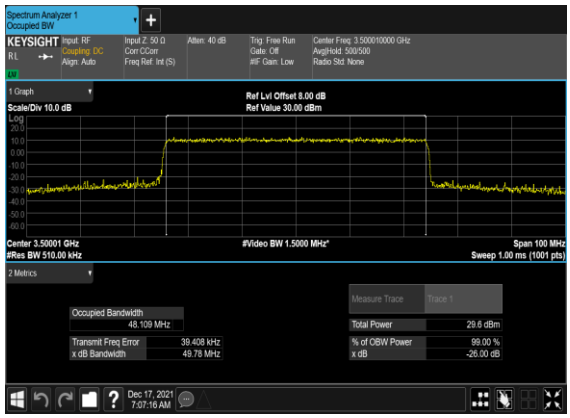
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



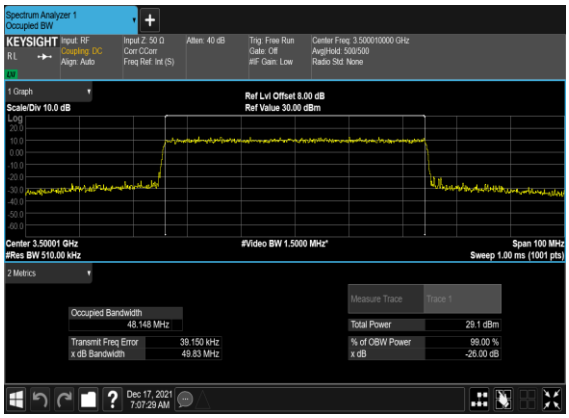
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



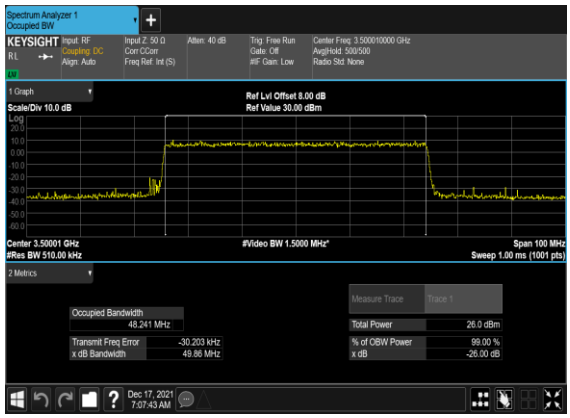
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

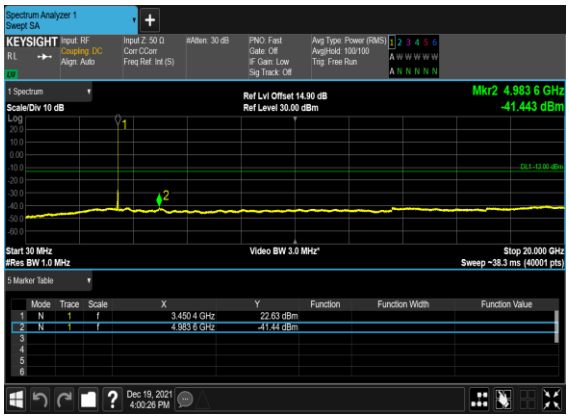


Conducted Spurious Emissions

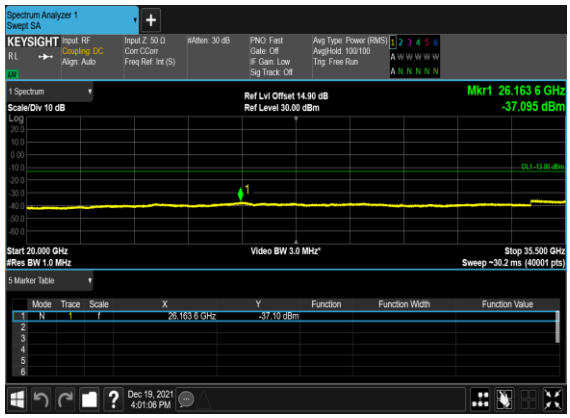
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**---**
77	15	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**
77	15	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	636333	3544.995	CP-OFDM QPSK	1@0	see graph	**---**
77	15	10	636333	3544.995	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	636333	3544.995	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	630667	3460.005	CP-OFDM QPSK	1@0	see graph	**---**
77	15	20	630667	3460.005	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	630667	3460.005	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**
77	15	20	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	636000	3540.0	CP-OFDM QPSK	1@0	see graph	**---**
77	15	20	636000	3540.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	636000	3540.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	CP-OFDM QPSK	1@0	see graph	**---**
77	15	50	631667	3475.005	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**

77	15	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	**---**
77	15	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	**PASS**

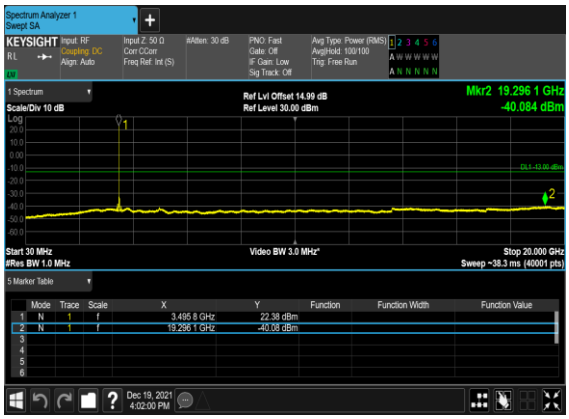
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



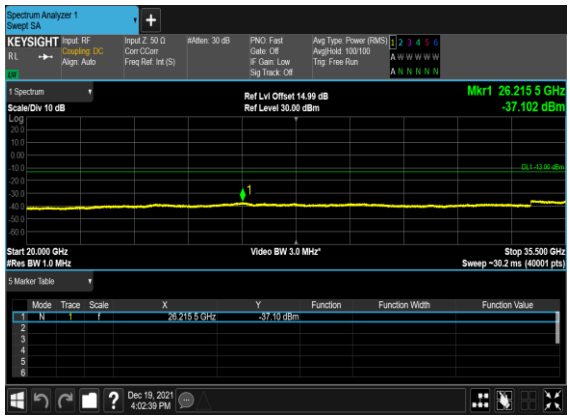
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



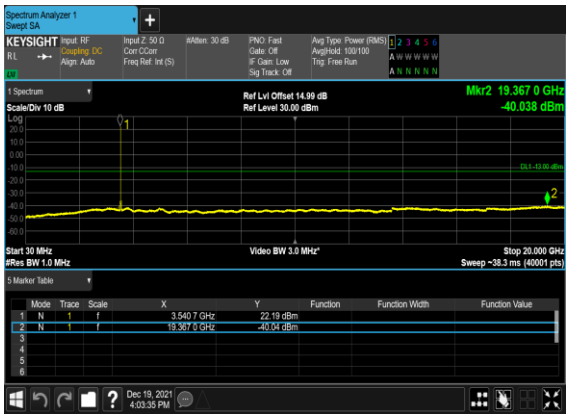
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



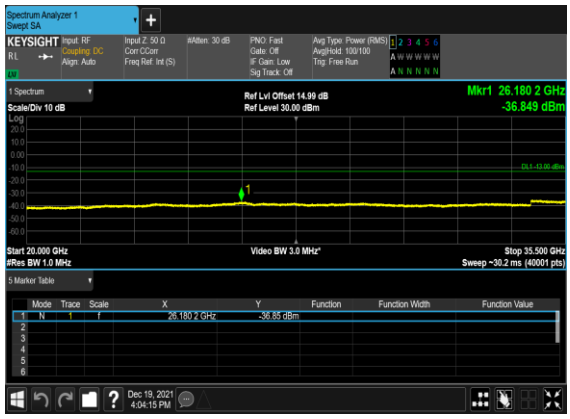
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



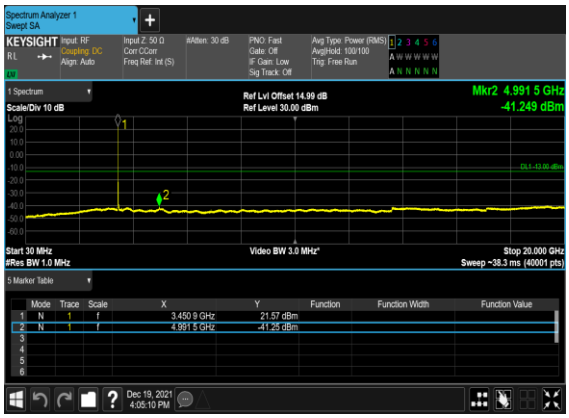
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



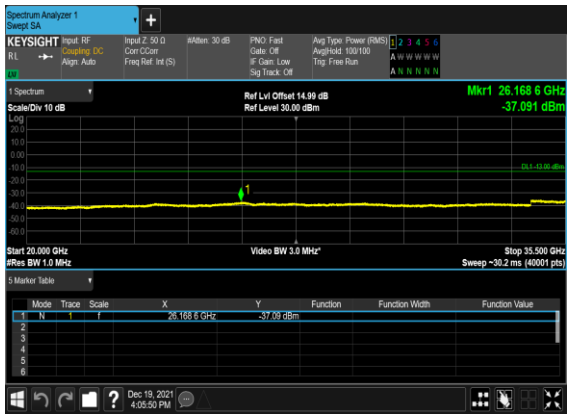
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



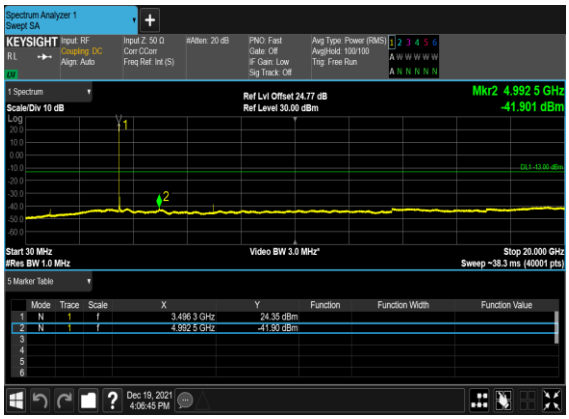
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



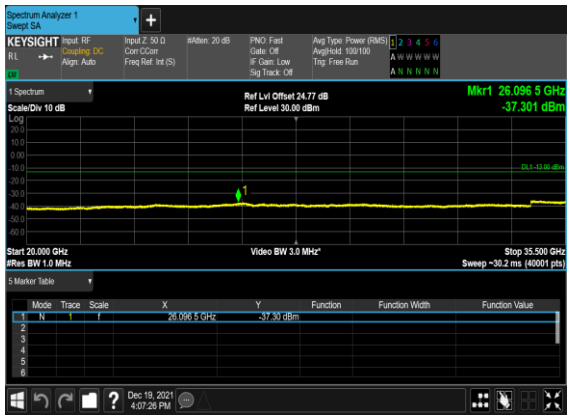
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



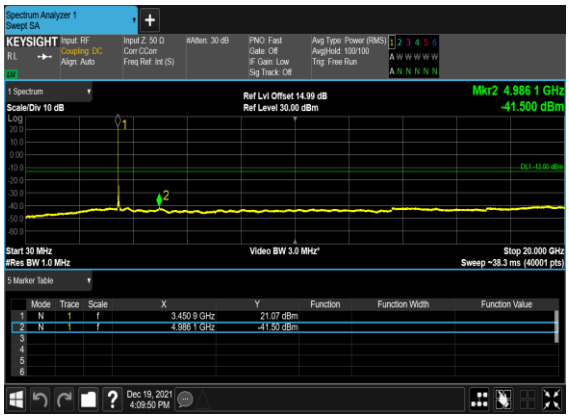
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



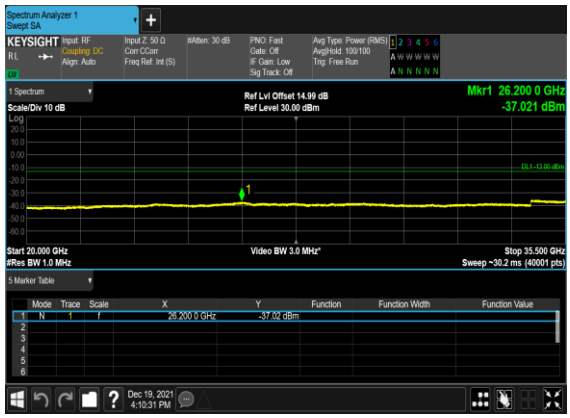
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH

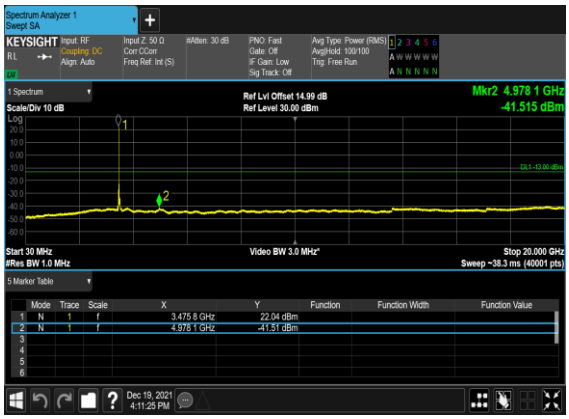
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



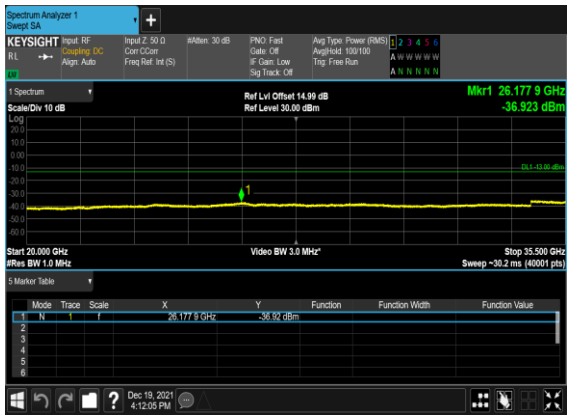
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



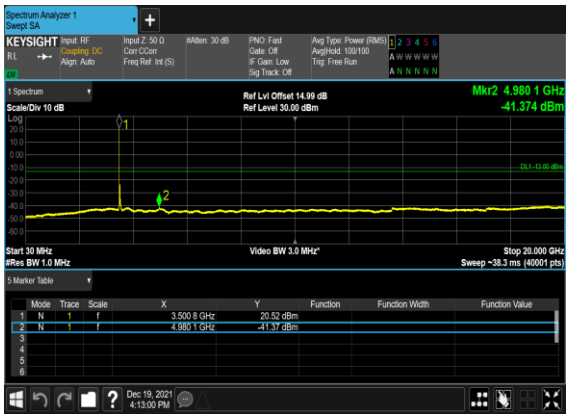
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



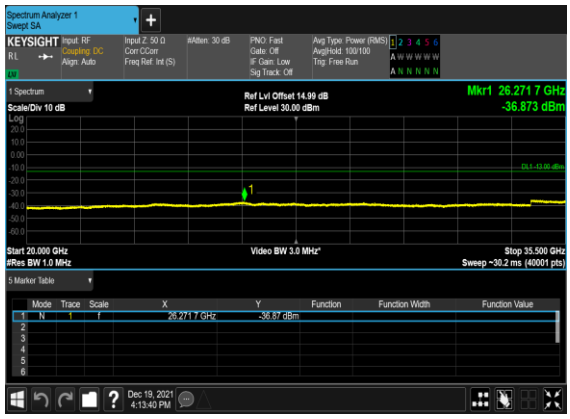
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



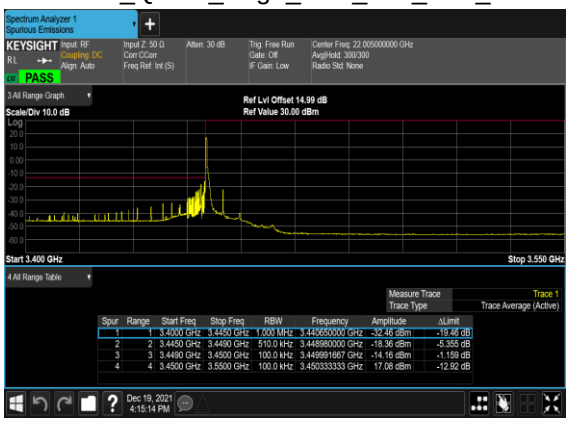
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



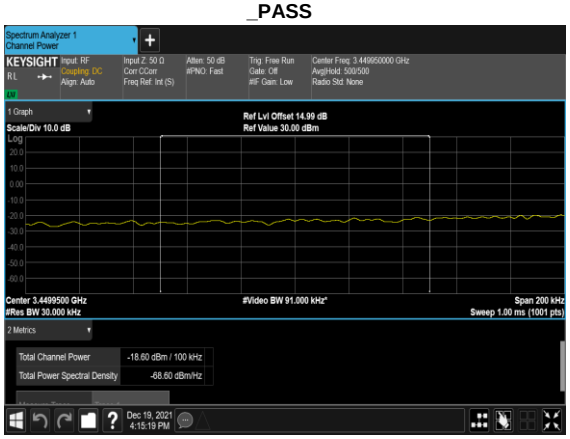
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	CP-OFDM QPSK	52@0	see graph	**PASS**
77	15	10	636333	3544.995	CP-OFDM QPSK	1@51	see graph	**PASS**
77	15	10	636333	3544.995	CP-OFDM QPSK	52@0	see graph	**PASS**
77	15	20	630667	3460.005	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	630667	3460.005	CP-OFDM QPSK	106@0	see graph	**PASS**
77	15	20	636000	3540.0	CP-OFDM QPSK	1@105	see graph	**PASS**
77	15	20	636000	3540.0	CP-OFDM QPSK	106@0	see graph	**PASS**
77	15	50	631667	3475.005	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	CP-OFDM QPSK	270@0	see graph	**PASS**
77	15	50	635000	3525.0	CP-OFDM QPSK	1@269	see graph	**PASS**
77	15	50	635000	3525.0	CP-OFDM QPSK	270@0	see graph	**PASS**

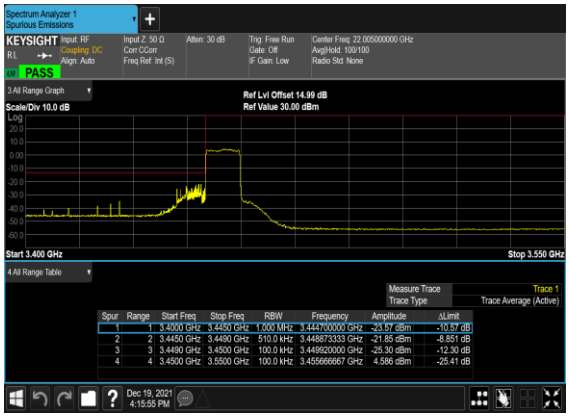
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



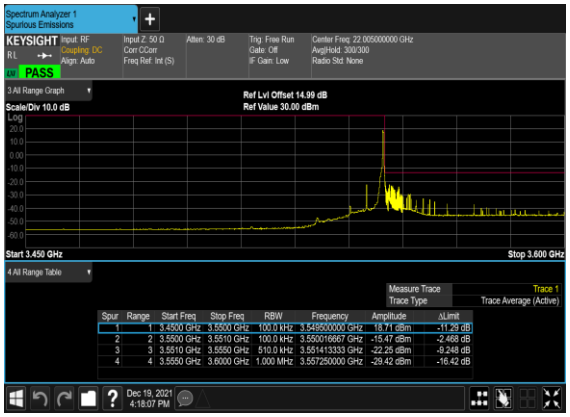
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH

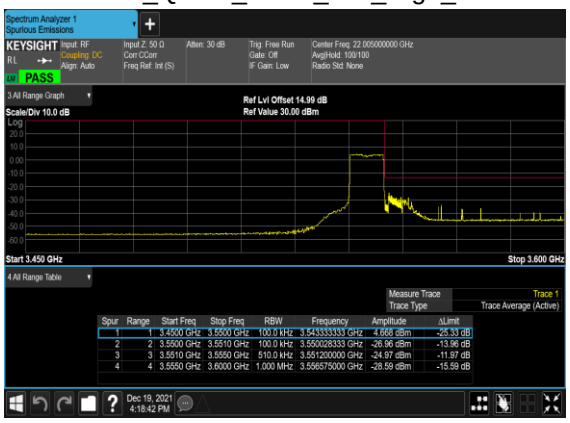


N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

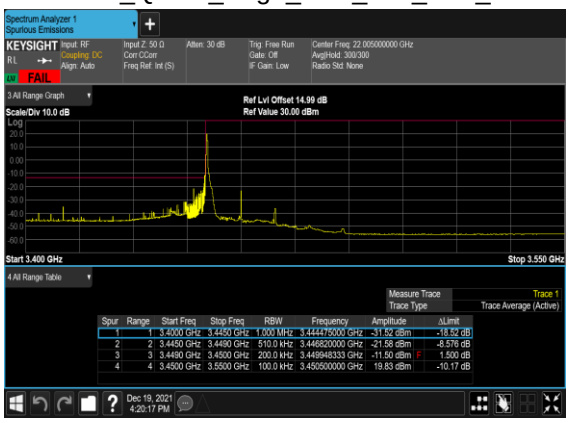


N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS

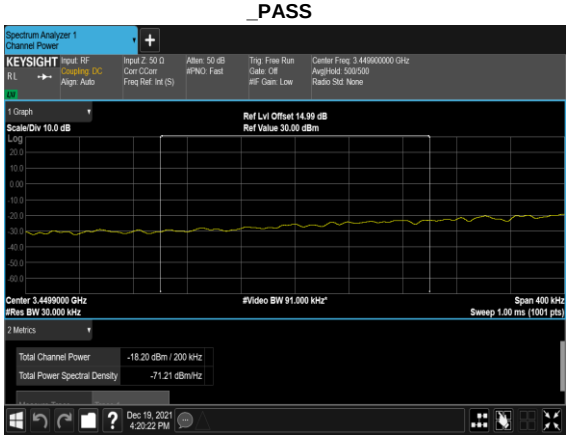
N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH



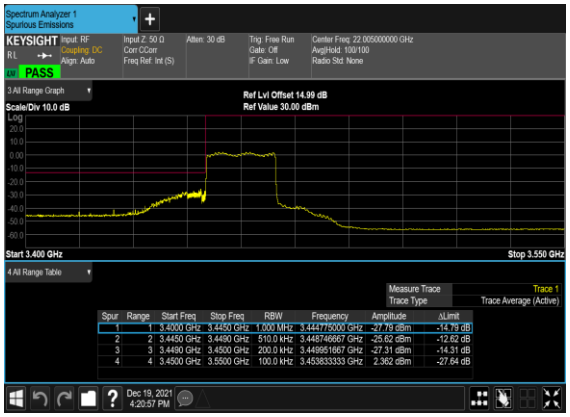
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



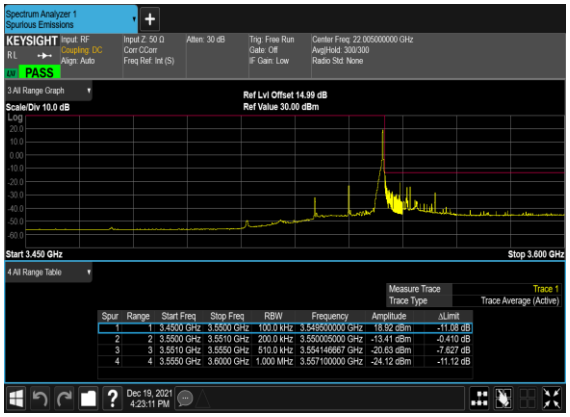
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



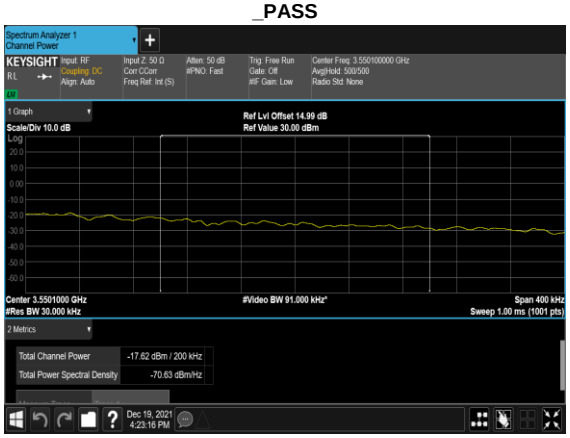
N77(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH



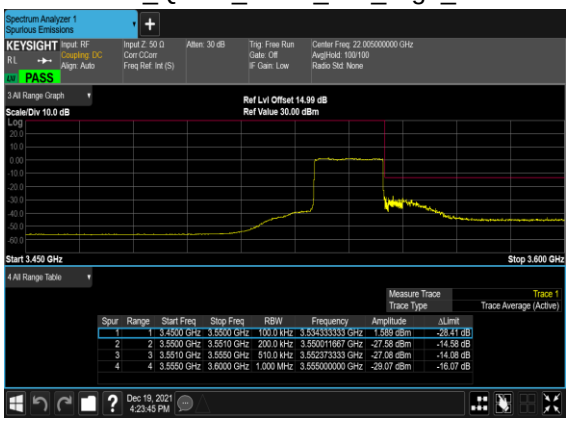
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



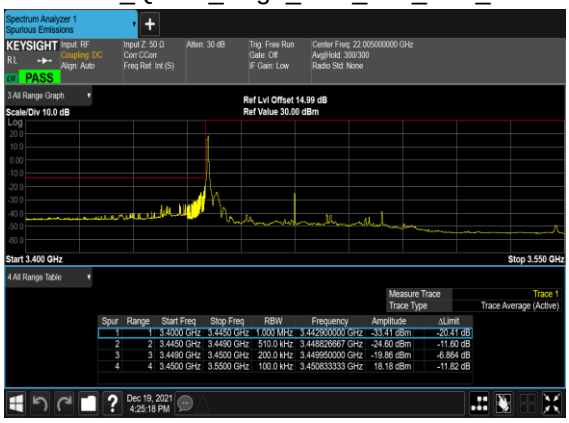
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



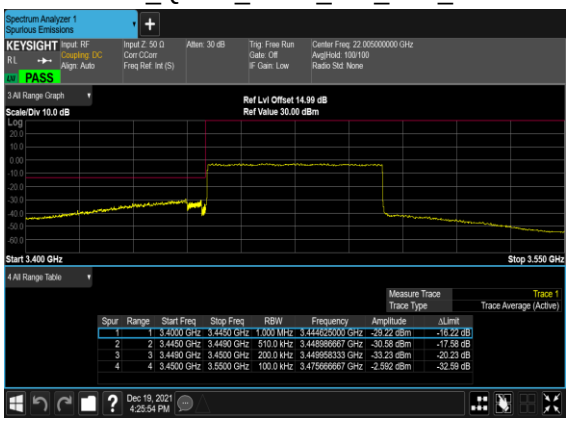
N77(20M)_CP-OFDM_QPSK_Outer_Full_High_CH



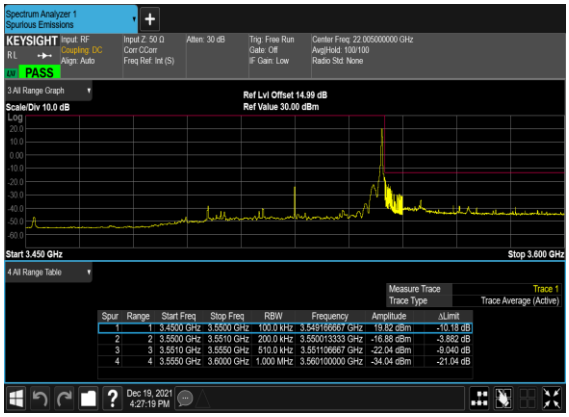
N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



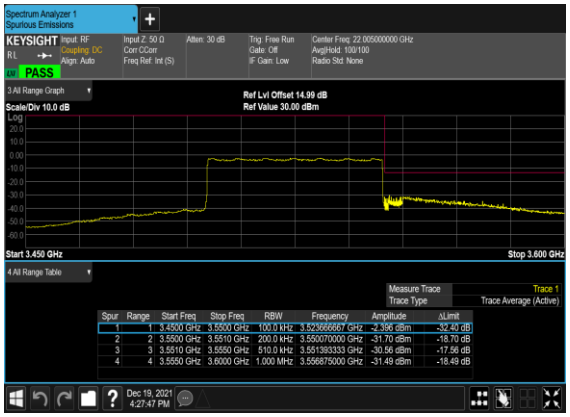
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_CP-
OFDM_QPSK_Outer_Full_High_CH



Software Version: 21.02.121001

FR1 N77(MIMO ANT6) – SCS 15kHz

Frequency Stability

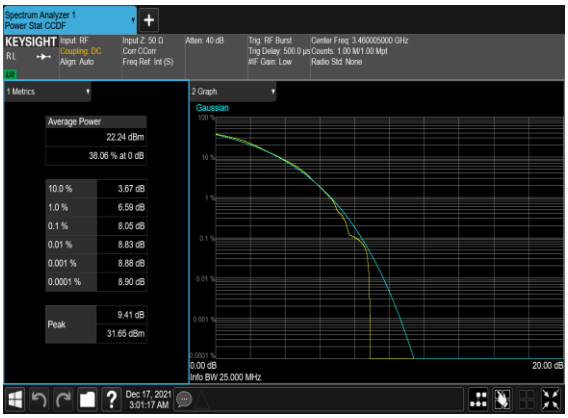
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0448	**PASS**	NV
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0274	**PASS**	LV
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0397	**PASS**	HV
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0219	**PASS**	-30℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0066	**PASS**	-20℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0483	**PASS**	-10℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0627	**PASS**	0℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0505	**PASS**	10℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0331	**PASS**	20℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0675	**PASS**	30℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0362	**PASS**	40℃
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	0.0561	**PASS**	50℃

Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	15	20	630667	3460.005	CP-OFDM QPSK	106@0	8.09	13	**PASS**
77	15	20	630667	3460.005	CP-OFDM QPSK	1@0	8.05	13	**PASS**
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	8.17	13	**PASS**
77	15	20	633334	3500.01	CP-OFDM QPSK	1@0	7.67	13	**PASS**
77	15	20	636000	3540.0	CP-OFDM QPSK	106@0	8.14	13	**PASS**
77	15	20	636000	3540.0	CP-OFDM QPSK	1@0	8.36	13	**PASS**

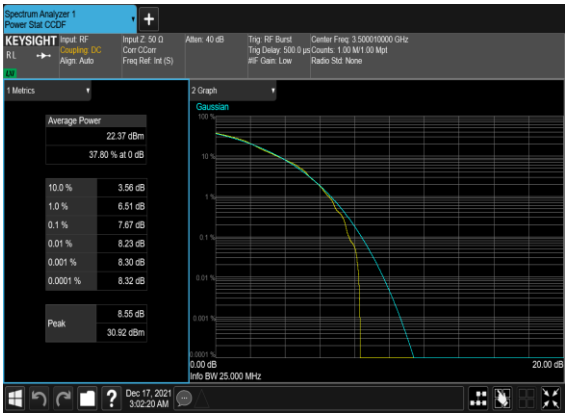
N77(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



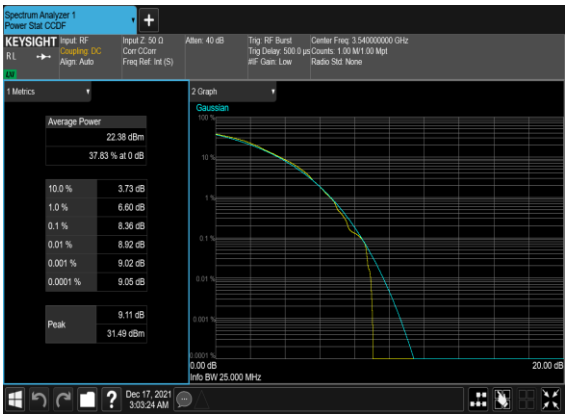
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(20M)_CP-OFDM_QPSK_Outer_Full_High_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	15	10	633334	3500.01	CP-OFDM QPSK	52@0	9.2735	9.87
77	15	10	633334	3500.01	CP-OFDM 16 QAM	52@0	9.2927	9.923
77	15	10	633334	3500.01	CP-OFDM 64 QAM	52@0	9.2879	9.894
77	15	10	633334	3500.01	CP-OFDM 256 QAM	52@0	9.2677	9.774
77	15	15	633334	3500.01	CP-OFDM QPSK	79@0	14.09	14.73
77	15	15	633334	3500.01	CP-OFDM 16 QAM	79@0	14.087	14.75
77	15	15	633334	3500.01	CP-OFDM 64 QAM	79@0	14.074	14.67
77	15	15	633334	3500.01	CP-OFDM 256 QAM	79@0	14.077	14.76
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	18.862	19.77
77	15	20	633334	3500.01	CP-OFDM 16 QAM	106@0	18.917	19.8
77	15	20	633334	3500.01	CP-OFDM 64 QAM	106@0	18.905	19.89
77	15	20	633334	3500.01	CP-OFDM 256 QAM	106@0	18.891	19.74
77	15	40	633334	3500.01	CP-OFDM QPSK	216@0	38.574	40.01
77	15	40	633334	3500.01	CP-OFDM 16 QAM	216@0	38.505	39.94
77	15	40	633334	3500.01	CP-OFDM 64 QAM	216@0	38.472	39.95
77	15	40	633334	3500.01	CP-OFDM 256 QAM	216@0	38.505	39.88
77	15	50	633334	3500.01	CP-OFDM QPSK	270@0	48.191	49.84
77	15	50	633334	3500.01	CP-OFDM 16 QAM	270@0	48.138	49.73
77	15	50	633334	3500.01	CP-OFDM 64 QAM	270@0	48.089	49.86
77	15	50	633334	3500.01	CP-OFDM 256 QAM	270@0	48.124	50.19