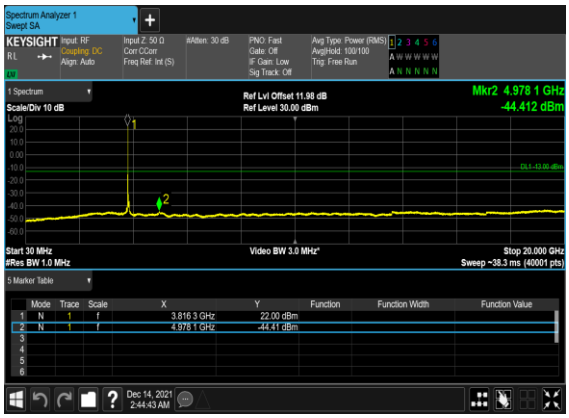
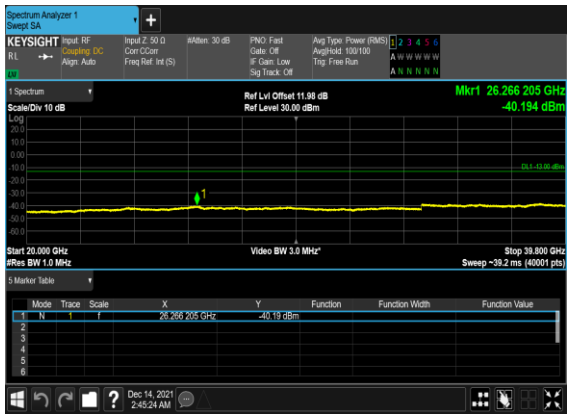
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

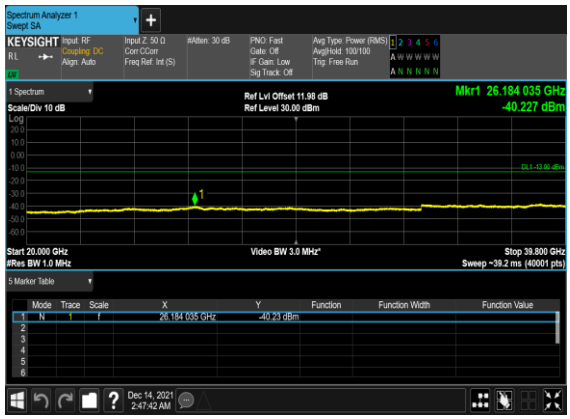


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



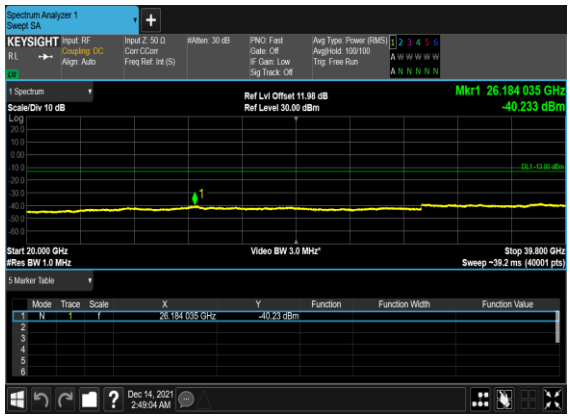
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



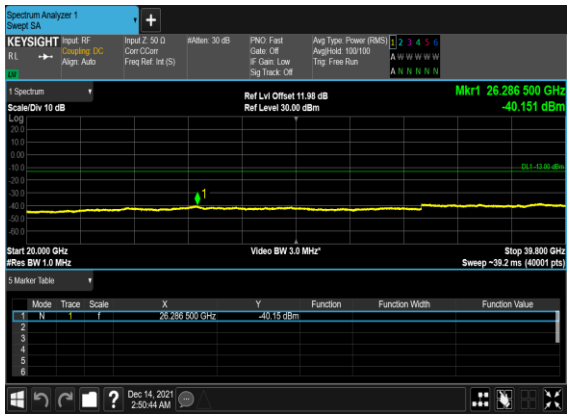
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



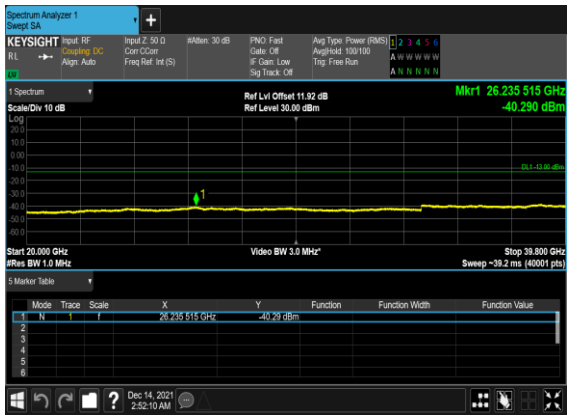
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



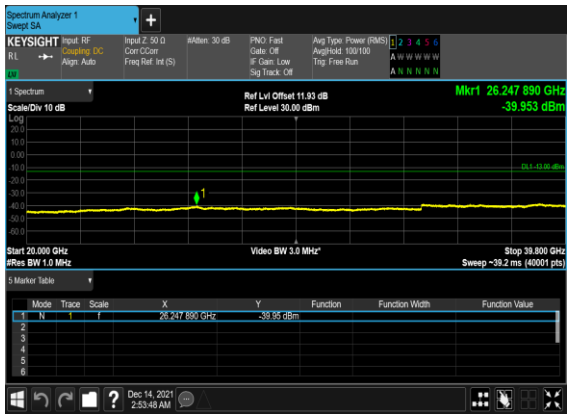
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

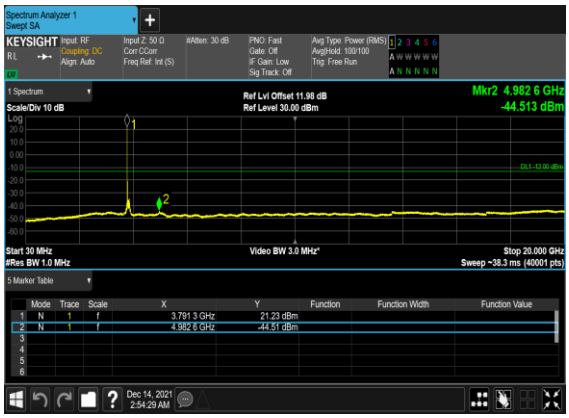


N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

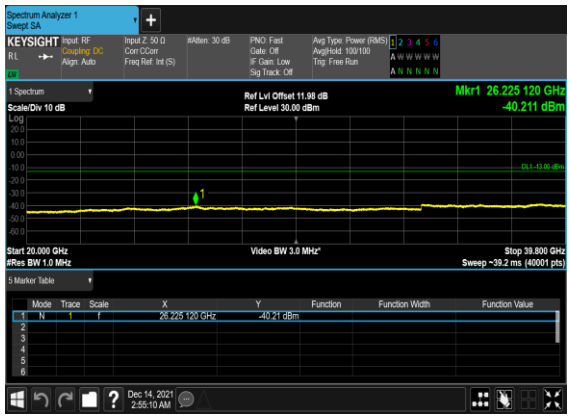
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



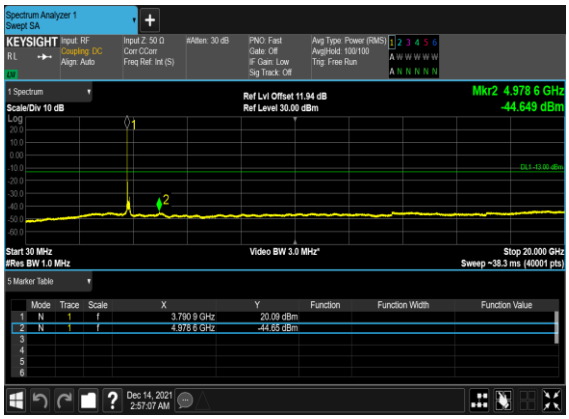
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



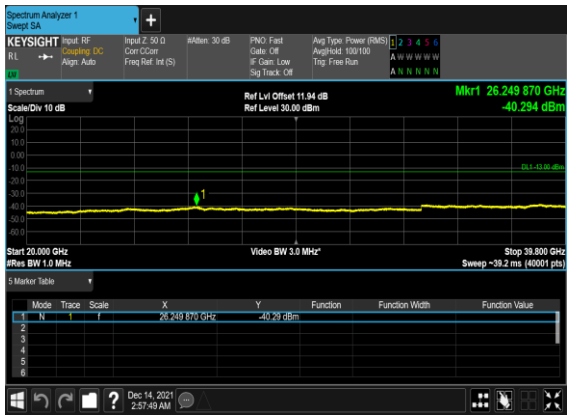
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

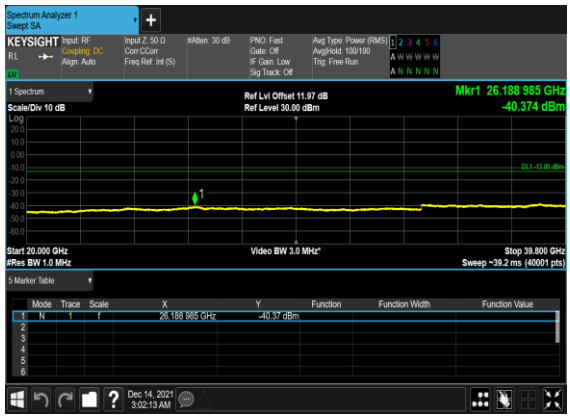


N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

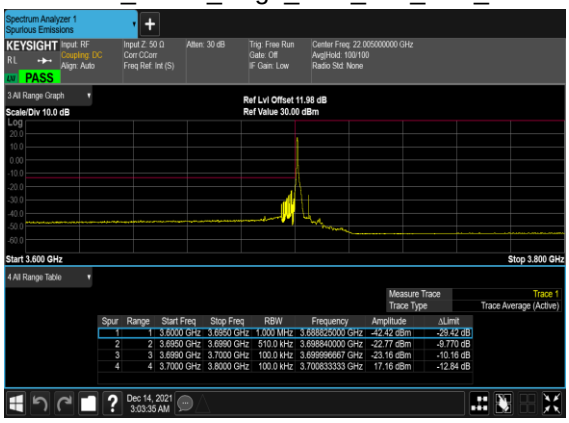
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



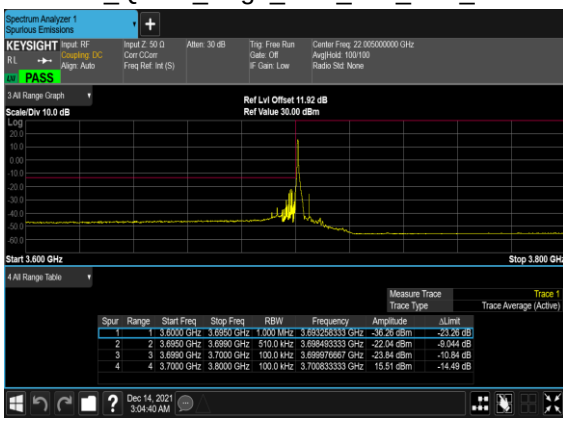
Conducted Band Edge

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**

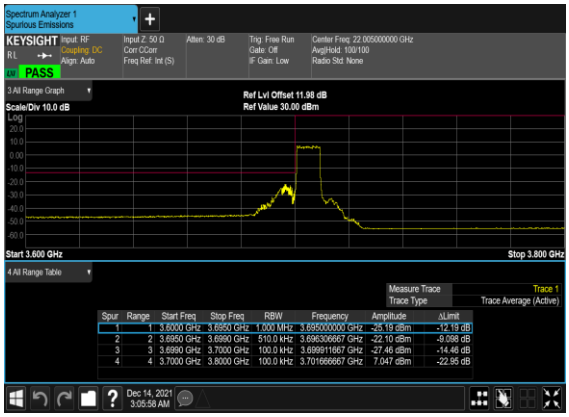
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



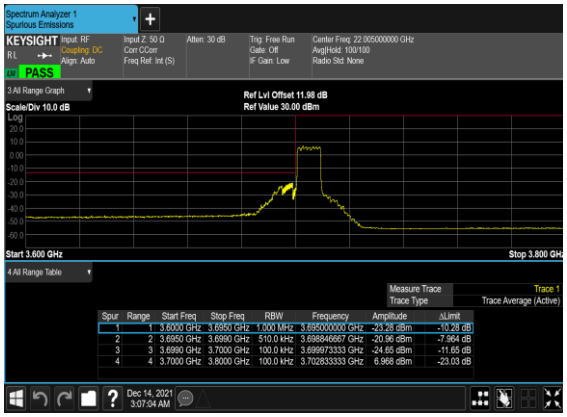
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



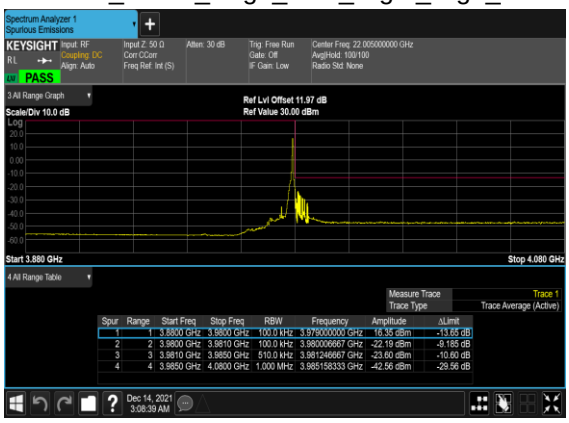
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



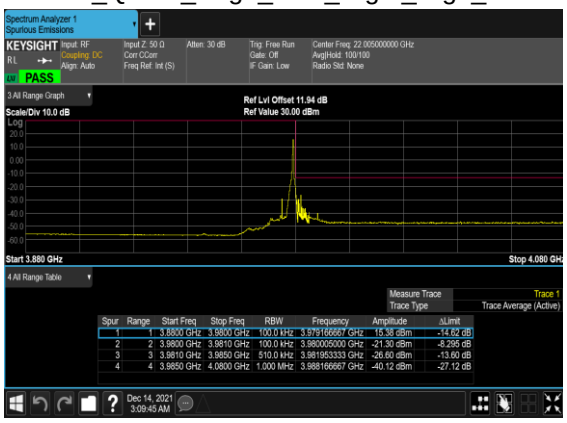
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



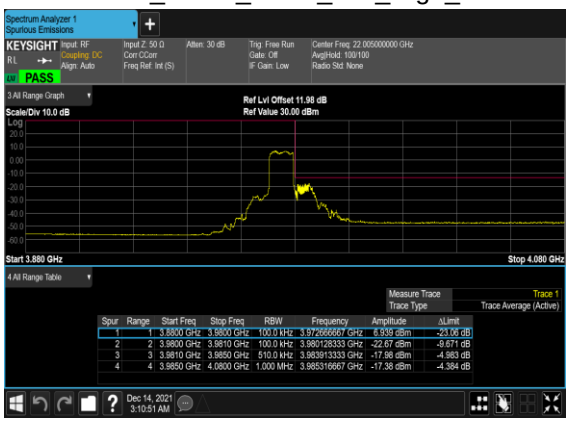
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



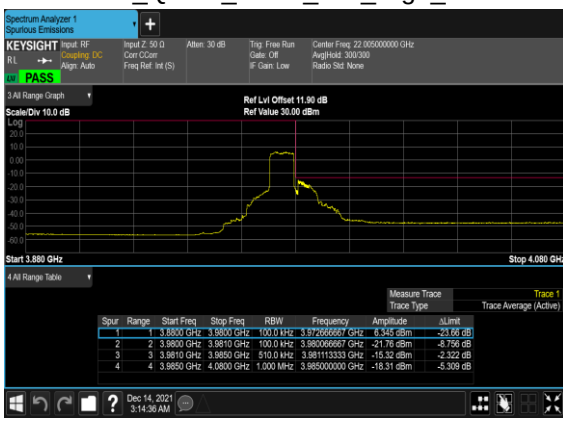
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



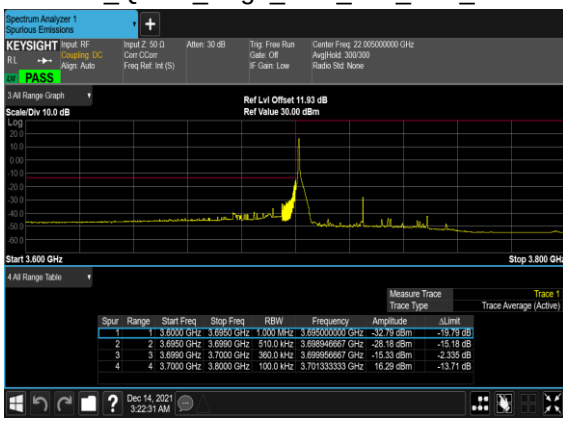
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH_**CHP_PASS**

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

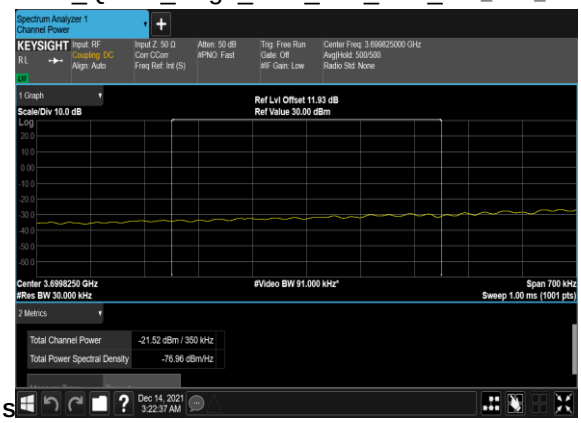
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PAS**

S

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

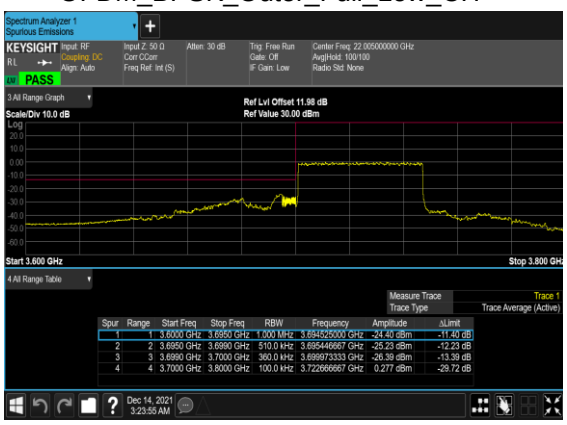


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PAS**

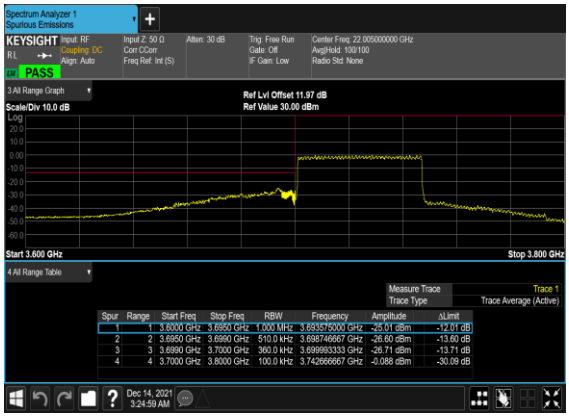


S

N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



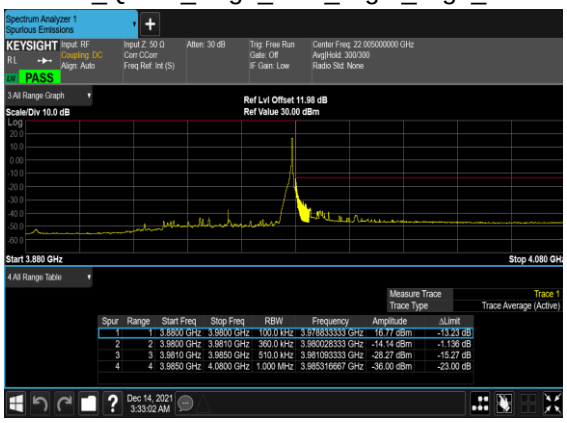
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



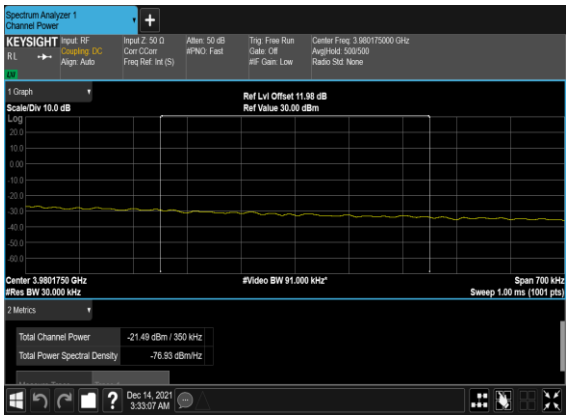
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**

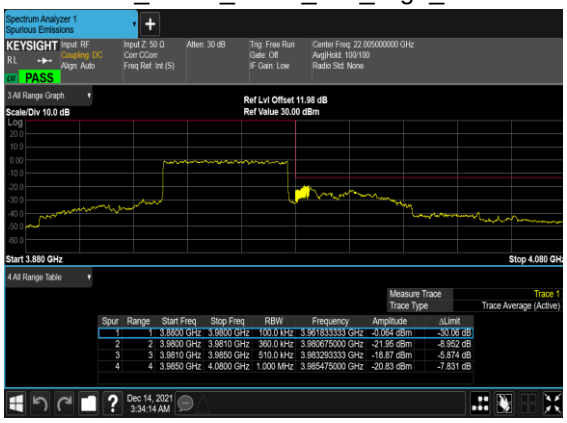
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**

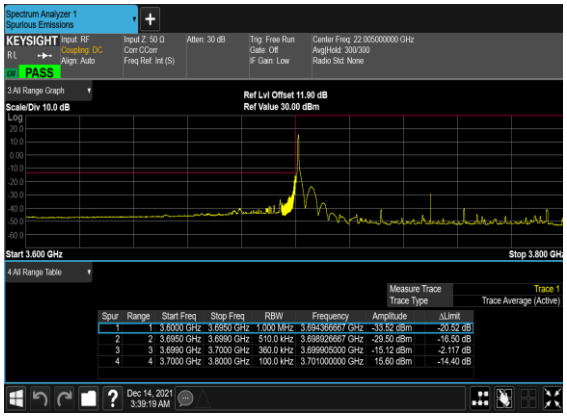


N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

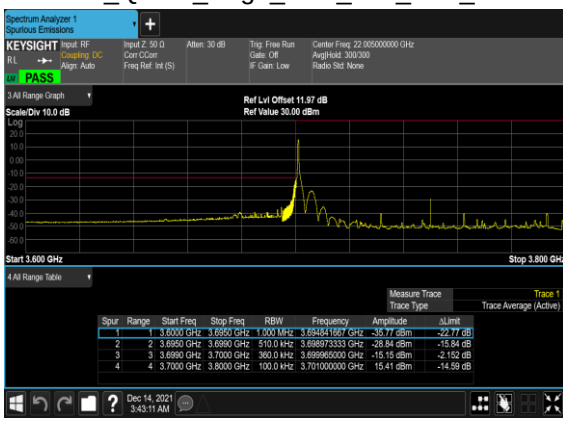
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



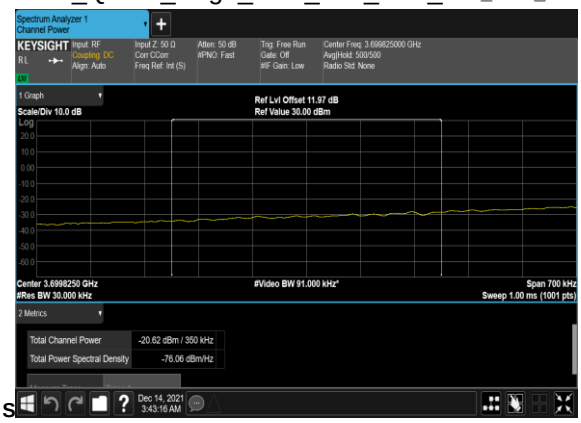
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PAS**

S

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

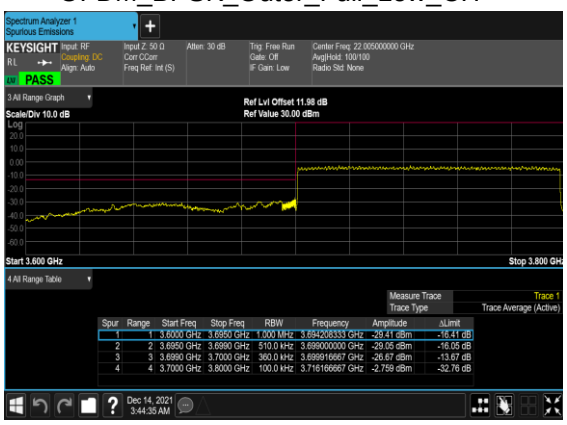


N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PAS**

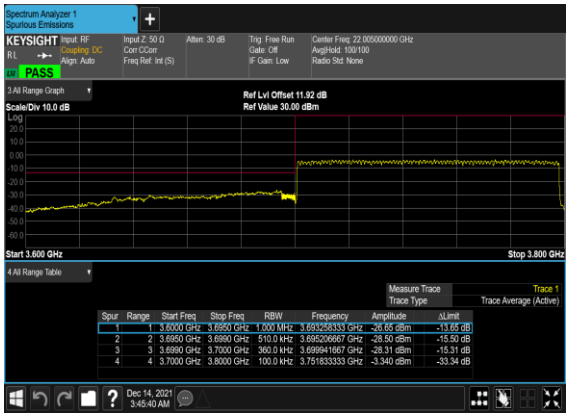


S

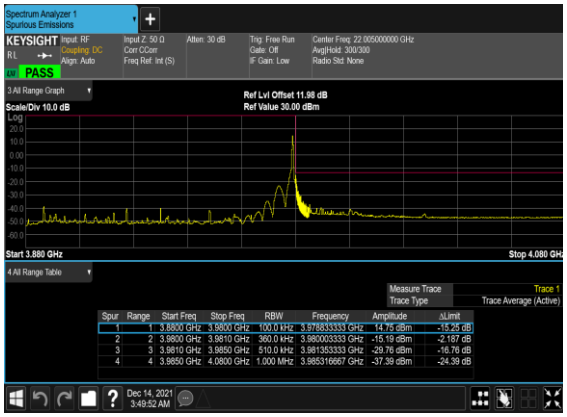
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



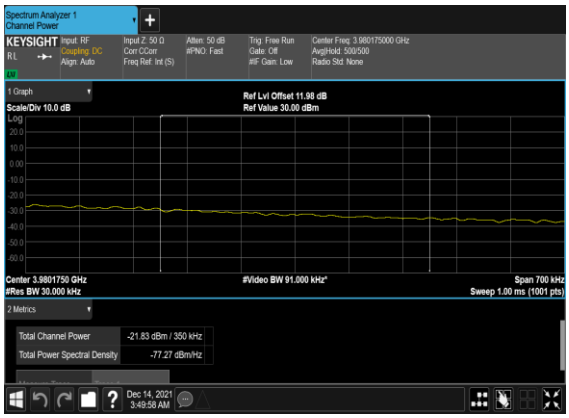
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



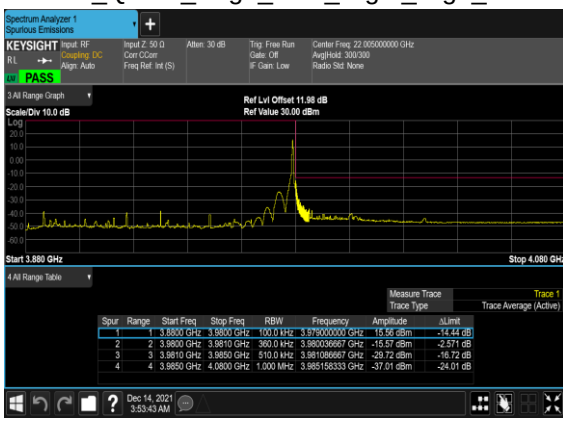
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



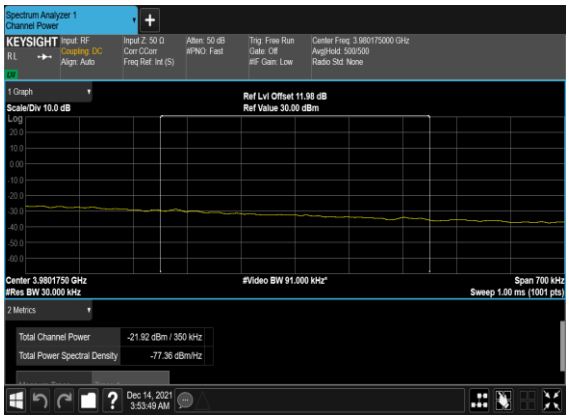
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



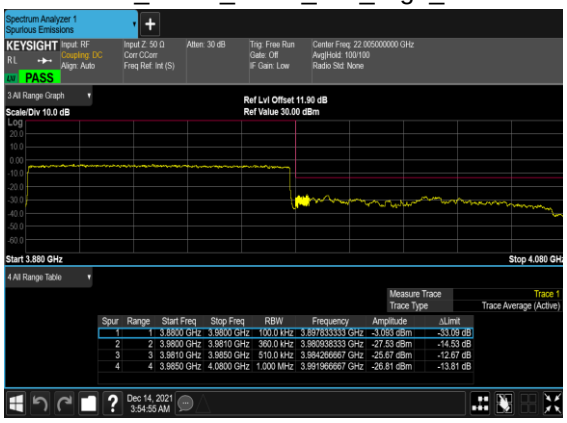
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



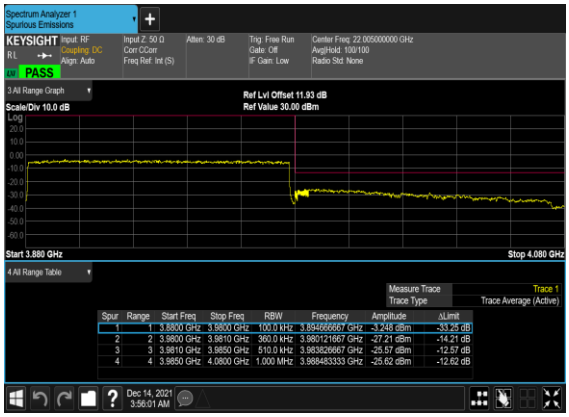
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 21.02.121001

FR1 N77(MIMO ANT5+6) – SCS 15kHz

Transmitter Conducted Output Power And EIRP, (GT - LC)=6.0dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT1 Power(dBm)	ANT2 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	15	10	647000	3705	CP-OFDM QPSK	26@13	22.08	21.92	25.01	31.01	1.2621
77	15	10	647000	3705	CP-OFDM QPSK	1@1	21.86	21.8	24.84	30.84	1.2135
77	15	10	647000	3705	CP-OFDM QPSK	1@50	22.09	21.99	25.05	31.05	1.2737
77	15	10	647000	3705	CP-OFDM 16 QAM	26@13	21.52	21.5	24.52	30.52	1.1273
77	15	10	647000	3705	CP-OFDM 16 QAM	1@1	21.59	21.34	24.48	30.48	1.1161
77	15	10	647000	3705	CP-OFDM 16 QAM	1@50	21.5	21.44	24.48	30.48	1.1170
77	15	10	647000	3705	CP-OFDM 64 QAM	26@13	20.12	19.95	23.05	29.05	0.8028
77	15	10	647000	3705	CP-OFDM 64 QAM	1@1	19.83	20.02	22.94	28.94	0.7828
77	15	10	647000	3705	CP-OFDM 64 QAM	1@50	20.16	20.08	23.13	29.13	0.8186
77	15	10	647000	3705	CP-OFDM 256 QAM	26@13	17.01	16.97	20.00	26.00	0.3981
77	15	10	647000	3705	CP-OFDM 256 QAM	1@1	17.25	16.28	19.80	25.80	0.3804
77	15	10	647000	3705	CP-OFDM 256 QAM	1@50	17.44	16.72	20.11	26.11	0.4079
77	15	10	656000	3705	CP-OFDM QPSK	26@13	22.07	21.93	25.01	31.01	1.2621
77	15	10	656000	3705	CP-OFDM QPSK	1@1	21.94	21.78	24.87	30.87	1.2221
77	15	10	656000	3840	CP-OFDM QPSK	1@50	22.07	22.18	25.14	31.14	1.2989
77	15	10	656000	3840	CP-OFDM 16 QAM	26@13	21.6	21.65	24.64	30.64	1.1575
77	15	10	656000	3840	CP-OFDM 16 QAM	1@1	21.65	21.55	24.61	30.61	1.1510
77	15	10	656000	3840	CP-OFDM 16 QAM	1@50	21.79	21.64	24.73	30.73	1.1819
77	15	10	656000	3840	CP-OFDM 64 QAM	26@13	20.21	20.09	23.16	29.16	0.8243
77	15	10	656000	3840	CP-OFDM 64 QAM	1@1	20.01	20.19	23.11	29.11	0.8149
77	15	10	656000	3840	CP-OFDM 64 QAM	1@50	20.03	20.11	23.08	29.08	0.8092
77	15	10	656000	3840	CP-OFDM 256 QAM	26@13	17.1	17.11	20.12	26.12	0.4088
77	15	10	656000	3840	CP-OFDM 256 QAM	1@1	17.21	16.42	19.84	25.84	0.3840
77	15	10	656000	3840	CP-OFDM 256 QAM	1@50	17.26	16.53	19.92	25.92	0.3909
77	15	10	665000	3840	CP-OFDM QPSK	26@13	22.04	22.12	25.09	31.09	1.2854
77	15	10	665000	3840	CP-OFDM QPSK	1@1	22.12	22.21	25.18	31.18	1.3109
77	15	10	665000	3975	CP-OFDM QPSK	1@50	22.14	22.31	25.24	31.24	1.3293
77	15	10	665000	3975	CP-OFDM 16 QAM	26@13	21.59	21.86	24.74	30.74	1.1851

77	15	10	665000	3975	CP-OFDM 16 QAM	1@1	21.49	21.71	24.61	30.61	1.1512
77	15	10	665000	3975	CP-OFDM 16 QAM	1@50	21.66	21.81	24.75	30.75	1.1874
77	15	10	665000	3975	CP-OFDM 64 QAM	26@13	20.27	20.37	23.33	29.33	0.8572
77	15	10	665000	3975	CP-OFDM 64 QAM	1@1	20.07	20.36	23.23	29.23	0.8371
77	15	10	665000	3975	CP-OFDM 64 QAM	1@50	20.33	20.46	23.41	29.41	0.8721
77	15	10	665000	3975	CP-OFDM 256 QAM	26@13	17.17	17.28	20.24	26.24	0.4203
77	15	10	665000	3975	CP-OFDM 256 QAM	1@1	17.38	16.56	20.00	26.00	0.3981
77	15	10	665000	3975	CP-OFDM 256 QAM	1@50	17.42	17.13	20.29	26.29	0.4254
77	15	15	647167	3707.505	CP-OFDM QPSK	39@19	22.03	21.97	25.01	31.01	1.2619
77	15	15	647167	3707.505	CP-OFDM QPSK	1@1	21.86	21.74	24.81	30.81	1.2052
77	15	15	647167	3707.505	CP-OFDM QPSK	1@77	21.86	21.96	24.92	30.92	1.2361
77	15	15	647167	3707.505	CP-OFDM 16 QAM	39@19	21.55	21.41	24.49	30.49	1.1197
77	15	15	647167	3707.505	CP-OFDM 16 QAM	1@1	21.5	21.3	24.41	30.41	1.0994
77	15	15	647167	3707.505	CP-OFDM 16 QAM	1@77	21.54	21.44	24.50	30.50	1.1222
77	15	15	647167	3707.505	CP-OFDM 64 QAM	39@19	20.01	19.95	22.99	28.99	0.7926
77	15	15	647167	3707.505	CP-OFDM 64 QAM	1@1	19.92	19.9	22.92	28.92	0.7799
77	15	15	647167	3707.505	CP-OFDM 64 QAM	1@77	20	20.05	23.04	29.04	0.8008
77	15	15	647167	3707.505	CP-OFDM 256 QAM	39@19	16.99	16.84	19.93	25.93	0.3914
77	15	15	647167	3707.505	CP-OFDM 256 QAM	1@1	17.08	16.13	19.64	25.64	0.3665
77	15	15	647167	3707.505	CP-OFDM 256 QAM	1@77	17.24	16.27	19.79	25.79	0.3795
77	15	15	656000	3840	CP-OFDM QPSK	39@19	22.05	21.97	25.02	31.02	1.2649
77	15	15	656000	3840	CP-OFDM QPSK	1@1	22.2	22.11	25.17	31.17	1.3078
77	15	15	656000	3840	CP-OFDM QPSK	1@77	22.1	22.13	25.13	31.13	1.2958
77	15	15	656000	3840	CP-OFDM 16 QAM	39@19	21.01	20.53	23.79	29.79	0.9521
77	15	15	656000	3840	CP-OFDM 16 QAM	1@1	21.21	21.43	24.33	30.33	1.0794
77	15	15	656000	3840	CP-OFDM 16 QAM	1@77	21.35	21.39	24.38	30.38	1.0915
77	15	15	656000	3840	CP-OFDM 64 QAM	39@19	20.15	20.13	23.15	29.15	0.8223
77	15	15	656000	3840	CP-OFDM 64 QAM	1@1	20.07	19.84	22.97	28.97	0.7883
77	15	15	656000	3840	CP-OFDM 64 QAM	1@77	20.23	20.02	23.14	29.14	0.8197
77	15	15	656000	3840	CP-OFDM 256 QAM	39@19	17.14	17.04	20.10	26.10	0.4074
77	15	15	656000	3840	CP-OFDM 256 QAM	1@1	17.29	16.81	20.07	26.07	0.4043
77	15	15	656000	3840	CP-OFDM 256 QAM	1@77	17.13	16.49	19.83	25.83	0.3830
77	15	15	664833	3972.495	CP-OFDM QPSK	39@19	22.07	22.16	25.13	31.13	1.2958
77	15	15	664833	3972.495	CP-OFDM QPSK	1@1	22.12	22.01	25.08	31.08	1.2810

77	15	15	664833	3972.495	CP-OFDM QPSK	1@77	22.12	22.03	25.09	31.09	1.2840
77	15	15	664833	3972.495	CP-OFDM 16 QAM	39@19	21.55	21.7	24.64	30.64	1.1577
77	15	15	664833	3972.495	CP-OFDM 16 QAM	1@1	21.34	21.69	24.53	30.53	1.1295
77	15	15	664833	3972.495	CP-OFDM 16 QAM	1@77	21.52	21.87	24.71	30.71	1.1773
77	15	15	664833	3972.495	CP-OFDM 64 QAM	39@19	20.14	20.24	23.20	29.20	0.8319
77	15	15	664833	3972.495	CP-OFDM 64 QAM	1@1	19.68	20.2	22.96	28.96	0.7867
77	15	15	664833	3972.495	CP-OFDM 64 QAM	1@77	20.13	20.16	23.16	29.16	0.8233
77	15	15	664833	3972.495	CP-OFDM 256 QAM	39@19	17.07	17.14	20.12	26.12	0.4088
77	15	15	664833	3972.495	CP-OFDM 256 QAM	1@1	17.19	16.5	19.87	25.87	0.3863
77	15	15	664833	3972.495	CP-OFDM 256 QAM	1@77	17.28	16.61	19.97	25.97	0.3952
77	15	20	647334	3710.01	CP-OFDM QPSK	53@26	21.96	21.92	24.95	30.95	1.2446
77	15	20	647334	3710.01	CP-OFDM QPSK	1@1	21.89	21.84	24.88	30.88	1.2233
77	15	20	647334	3710.01	CP-OFDM QPSK	1@104	21.98	21.94	24.97	30.97	1.2504
77	15	20	647334	3710.01	CP-OFDM 16 QAM	53@26	21.58	21.43	24.52	30.52	1.1261
77	15	20	647334	3710.01	CP-OFDM 16 QAM	1@1	21.4	21.34	24.38	30.38	1.0915
77	15	20	647334	3710.01	CP-OFDM 16 QAM	1@104	21.56	21.46	24.52	30.52	1.1274
77	15	20	647334	3710.01	CP-OFDM 64 QAM	53@26	20.01	19.89	22.96	28.96	0.7872
77	15	20	647334	3710.01	CP-OFDM 64 QAM	1@1	20	20.04	23.03	29.03	0.7999
77	15	20	647334	3710.01	CP-OFDM 64 QAM	1@104	19.95	20.07	23.02	29.02	0.7981
77	15	20	647334	3710.01	CP-OFDM 256 QAM	53@26	16.99	16.87	19.94	25.94	0.3927
77	15	20	647334	3710.01	CP-OFDM 256 QAM	1@1	16.88	16.21	19.57	25.57	0.3604
77	15	20	647334	3710.01	CP-OFDM 256 QAM	1@104	17.27	16.33	19.84	25.84	0.3833
77	15	20	656000	3840	CP-OFDM QPSK	53@26	22	21.89	24.96	30.96	1.2461
77	15	20	656000	3840	CP-OFDM QPSK	1@1	22.03	22.12	25.09	31.09	1.2840
77	15	20	656000	3840	CP-OFDM QPSK	1@104	22.01	22.1	25.07	31.07	1.2781
77	15	20	656000	3840	CP-OFDM 16 QAM	53@26	21.49	21.03	24.28	30.28	1.0657
77	15	20	656000	3840	CP-OFDM 16 QAM	1@1	21.12	21	24.07	30.07	1.0164
77	15	20	656000	3840	CP-OFDM 16 QAM	1@104	21.03	21.13	24.09	30.09	1.0211
77	15	20	656000	3840	CP-OFDM 64 QAM	53@26	20	19.89	22.96	28.96	0.7863
77	15	20	656000	3840	CP-OFDM 64 QAM	1@1	20.12	20.12	23.13	29.13	0.8185
77	15	20	656000	3840	CP-OFDM 64 QAM	1@104	20.13	20.21	23.18	29.18	0.8280
77	15	20	656000	3840	CP-OFDM 256 QAM	53@26	17.15	17.06	20.12	26.12	0.4088
77	15	20	656000	3840	CP-OFDM 256 QAM	1@1	17.4	16.41	19.94	25.94	0.3930
77	15	20	656000	3840	CP-OFDM 256 QAM	1@104	17.39	16.63	20.04	26.04	0.4015

77	15	20	664666	3969.99	CP-OFDM QPSK	53@26	22.02	22.09	25.07	31.07	1.2780
77	15	20	664666	3969.99	CP-OFDM QPSK	1@1	22.03	22.01	25.03	31.03	1.2677
77	15	20	664666	3969.99	CP-OFDM QPSK	1@104	22.23	22.03	25.14	31.14	1.3006
77	15	20	664666	3969.99	CP-OFDM 16 QAM	53@26	21.64	21.61	24.64	30.64	1.1575
77	15	20	664666	3969.99	CP-OFDM 16 QAM	1@1	21.41	21.63	24.53	30.53	1.1302
77	15	20	664666	3969.99	CP-OFDM 16 QAM	1@104	21.43	21.32	24.39	30.39	1.0929
77	15	20	664666	3969.99	CP-OFDM 64 QAM	53@26	20.18	20.13	23.17	29.17	0.8252
77	15	20	664666	3969.99	CP-OFDM 64 QAM	1@1	20.02	20.35	23.20	29.20	0.8315
77	15	20	664666	3969.99	CP-OFDM 64 QAM	1@104	20.18	20.47	23.34	29.34	0.8586
77	15	20	664666	3969.99	CP-OFDM 256 QAM	53@26	17.01	17.25	20.14	26.14	0.4113
77	15	20	664666	3969.99	CP-OFDM 256 QAM	1@1	17.28	16.98	20.14	26.14	0.4114
77	15	20	664666	3969.99	CP-OFDM 256 QAM	1@104	17.5	16.7	20.13	26.13	0.4101
77	15	40	648000	3720	CP-OFDM QPSK	108@54	21.9	21.89	24.91	30.91	1.2318
77	15	40	648000	3720	CP-OFDM QPSK	1@1	21.51	21.35	24.44	30.44	1.1069
77	15	40	648000	3720	CP-OFDM QPSK	1@214	21.47	21.61	24.55	30.55	1.1352
77	15	40	648000	3720	CP-OFDM 16 QAM	108@54	21.4	21.37	24.40	30.40	1.0953
77	15	40	648000	3720	CP-OFDM 16 QAM	1@1	20.92	20.94	23.94	29.94	0.9864
77	15	40	648000	3720	CP-OFDM 16 QAM	1@214	21.04	21.29	24.18	30.18	1.0416
77	15	40	648000	3720	CP-OFDM 64 QAM	108@54	19.86	19.89	22.89	28.89	0.7736
77	15	40	648000	3720	CP-OFDM 64 QAM	1@1	19.29	19.56	22.44	28.44	0.6978
77	15	40	648000	3720	CP-OFDM 64 QAM	1@214	19.33	19.77	22.57	28.57	0.7188
77	15	40	648000	3720	CP-OFDM 256 QAM	108@54	16.87	16.84	19.87	25.87	0.3860
77	15	40	648000	3720	CP-OFDM 256 QAM	1@1	16.89	16.12	19.53	25.53	0.3575
77	15	40	648000	3720	CP-OFDM 256 QAM	1@214	16.85	16.61	19.74	25.74	0.3751
77	15	40	656000	3840	CP-OFDM QPSK	108@54	22	22.15	25.09	31.09	1.2841
77	15	40	656000	3840	CP-OFDM QPSK	1@1	21.55	21.51	24.54	30.54	1.1325
77	15	40	656000	3840	CP-OFDM QPSK	1@214	21.78	21.8	24.80	30.80	1.2024
77	15	40	656000	3840	CP-OFDM 16 QAM	108@54	21.62	21.66	24.65	30.65	1.1615
77	15	40	656000	3840	CP-OFDM 16 QAM	1@1	21.16	21.09	24.14	30.14	1.0317
77	15	40	656000	3840	CP-OFDM 16 QAM	1@214	21.39	21.34	24.38	30.38	1.0903
77	15	40	656000	3840	CP-OFDM 64 QAM	108@54	20.1	20.13	23.13	29.13	0.8176
77	15	40	656000	3840	CP-OFDM 64 QAM	1@1	19.64	19.76	22.71	28.71	0.7431
77	15	40	656000	3840	CP-OFDM 64 QAM	1@214	19.92	19.72	22.83	28.83	0.7641
77	15	40	656000	3840	CP-OFDM 256 QAM	108@54	17.1	17.1	20.11	26.11	0.4083

77	15	40	656000	3840	CP-OFDM 256 QAM	1@1	16.82	16.49	19.67	25.67	0.3688
77	15	40	656000	3840	CP-OFDM 256 QAM	1@214	17.14	16.19	19.70	25.70	0.3716
77	15	40	664000	3960	CP-OFDM QPSK	108@54	22.01	22.18	25.11	31.11	1.2901
77	15	40	664000	3960	CP-OFDM QPSK	1@1	21.63	21.71	24.68	30.68	1.1696
77	15	40	664000	3960	CP-OFDM QPSK	1@214	21.58	21.89	24.75	30.75	1.1880
77	15	40	664000	3960	CP-OFDM 16 QAM	108@54	21.51	21.72	24.63	30.63	1.1552
77	15	40	664000	3960	CP-OFDM 16 QAM	1@1	21.21	21.21	24.22	30.22	1.0520
77	15	40	664000	3960	CP-OFDM 16 QAM	1@214	21.24	21.61	24.44	30.44	1.1064
77	15	40	664000	3960	CP-OFDM 64 QAM	108@54	20.09	20.24	23.18	29.18	0.8272
77	15	40	664000	3960	CP-OFDM 64 QAM	1@1	19.55	19.83	22.70	28.70	0.7417
77	15	40	664000	3960	CP-OFDM 64 QAM	1@214	19.85	19.78	22.83	28.83	0.7630
77	15	40	664000	3960	CP-OFDM 256 QAM	108@54	17.09	17.15	20.13	26.13	0.4102
77	15	40	664000	3960	CP-OFDM 256 QAM	1@1	17.08	16.06	19.61	25.61	0.3639
77	15	40	664000	3960	CP-OFDM 256 QAM	1@214	17.12	16.26	19.72	25.72	0.3734
77	15	50	648334	3725.01	CP-OFDM QPSK	135@67	21.93	21.97	24.96	30.96	1.2475
77	15	50	648334	3725.01	CP-OFDM QPSK	1@1	21.8	21.75	24.79	30.79	1.1982
77	15	50	648334	3725.01	CP-OFDM QPSK	1@268	21.73	21.86	24.81	30.81	1.2039
77	15	50	648334	3725.01	CP-OFDM 16 QAM	135@67	21.41	21.44	24.44	30.44	1.1054
77	15	50	648334	3725.01	CP-OFDM 16 QAM	1@1	21.41	21.02	24.23	30.23	1.0543
77	15	50	648334	3725.01	CP-OFDM 16 QAM	1@268	20.95	21.44	24.21	30.21	1.0501
77	15	50	648334	3725.01	CP-OFDM 64 QAM	135@67	19.88	19.97	22.94	28.94	0.7826
77	15	50	648334	3725.01	CP-OFDM 64 QAM	1@1	19.92	19.63	22.79	28.79	0.7564
77	15	50	648334	3725.01	CP-OFDM 64 QAM	1@268	19.84	20.09	22.98	28.98	0.7902
77	15	50	648334	3725.01	CP-OFDM 256 QAM	135@67	16.91	16.94	19.94	25.94	0.3922
77	15	50	648334	3725.01	CP-OFDM 256 QAM	1@1	17.09	16.14	19.65	25.65	0.3674
77	15	50	648334	3725.01	CP-OFDM 256 QAM	1@268	16.89	16.37	19.65	25.65	0.3671
77	15	50	656000	3840	CP-OFDM QPSK	135@67	22.03	22.13	25.09	31.09	1.2855
77	15	50	656000	3840	CP-OFDM QPSK	1@1	21.88	21.88	24.89	30.89	1.2275
77	15	50	656000	3840	CP-OFDM QPSK	1@268	21.9	22.05	24.99	30.99	1.2549
77	15	50	656000	3840	CP-OFDM 16 QAM	135@67	21.63	21.63	24.64	30.64	1.1589
77	15	50	656000	3840	CP-OFDM 16 QAM	1@1	21.42	21.39	24.42	30.42	1.1004
77	15	50	656000	3840	CP-OFDM 16 QAM	1@268	21.65	21.58	24.63	30.63	1.1549
77	15	50	656000	3840	CP-OFDM 64 QAM	135@67	20.08	20.15	23.13	29.13	0.8176
77	15	50	656000	3840	CP-OFDM 64 QAM	1@1	19.97	20.07	23.03	29.03	0.7999

77	15	50	656000	3840	CP-OFDM 64 QAM	1@268	20.21	20.27	23.25	29.25	0.8415
77	15	50	656000	3840	CP-OFDM 256 QAM	135@67	17.1	17.11	20.12	26.12	0.4088
77	15	50	656000	3840	CP-OFDM 256 QAM	1@1	17.19	16.35	19.80	25.80	0.3802
77	15	50	656000	3840	CP-OFDM 256 QAM	1@268	17.38	17.16	20.28	26.28	0.4248
77	15	50	663666	3954.99	CP-OFDM QPSK	135@67	22.1	22.21	25.17	31.17	1.3079
77	15	50	663666	3954.99	CP-OFDM QPSK	1@1	21.99	22.02	25.02	31.02	1.2634
77	15	50	663666	3954.99	CP-OFDM QPSK	1@268	22.13	22.23	25.19	31.19	1.3154
77	15	50	663666	3954.99	CP-OFDM 16 QAM	135@67	21.57	21.68	24.64	30.64	1.1576
77	15	50	663666	3954.99	CP-OFDM 16 QAM	1@1	21.67	21.5	24.60	30.60	1.1471
77	15	50	663666	3954.99	CP-OFDM 16 QAM	1@268	21.68	21.71	24.71	30.71	1.1763
77	15	50	663666	3954.99	CP-OFDM 64 QAM	135@67	20.03	20.21	23.13	29.13	0.8187
77	15	50	663666	3954.99	CP-OFDM 64 QAM	1@1	19.94	20.12	23.04	29.04	0.8019
77	15	50	663666	3954.99	CP-OFDM 64 QAM	1@268	20.16	20.18	23.18	29.18	0.8280
77	15	50	663666	3954.99	CP-OFDM 256 QAM	135@67	17	17.12	20.07	26.07	0.4046
77	15	50	663666	3954.99	CP-OFDM 256 QAM	1@1	17.29	16.88	20.10	26.10	0.4074
77	15	50	663666	3954.99	CP-OFDM 256 QAM	1@268	17.34	16.53	19.96	25.96	0.3948

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	656000	3840.0	CP-OFDM QPSK	106@0	0.0267	**PASS**	NV
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0516	**PASS**	LV
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0261	**PASS**	HV
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0324	**PASS**	-30℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0312	**PASS**	-20℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0428	**PASS**	-10℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0358	**PASS**	0℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0399	**PASS**	10℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0207	**PASS**	20℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0457	**PASS**	30℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0659	**PASS**	40℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0245	**PASS**	50℃

Peak to Average Radio

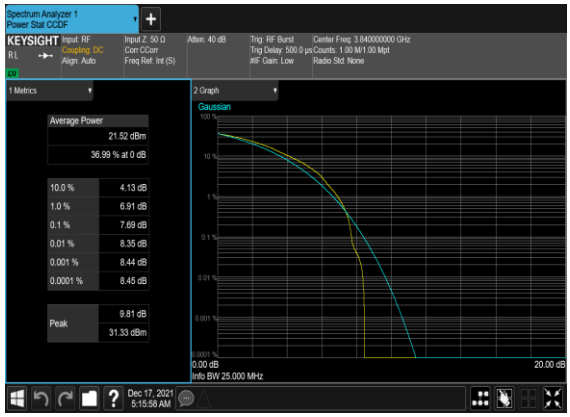
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	15	20	647334	3710.01	CP-OFDM QPSK	106@0	8.35	13	**PASS**
77	15	20	647334	3710.01	CP-OFDM QPSK	1@0	7.96	13	**PASS**
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	8.19	13	**PASS**
77	15	20	656000	3840.0	CP-OFDM QPSK	1@0	7.69	13	**PASS**
77	15	20	664666	3969.99	CP-OFDM QPSK	106@0	7.87	13	**PASS**
77	15	20	664666	3969.99	CP-OFDM QPSK	1@0	8.74	13	**PASS**

N77(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH

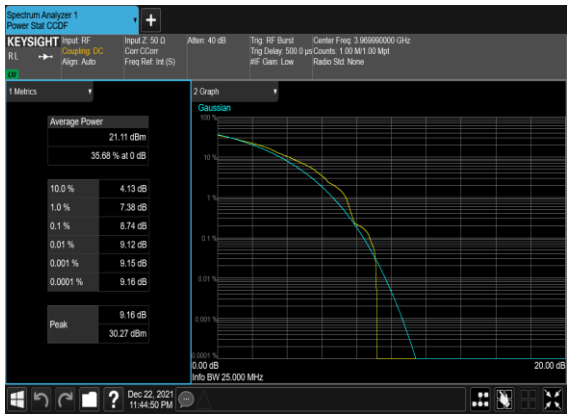
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(20M)_CP-OFDM_QPSK_Outer_Full_High_CH

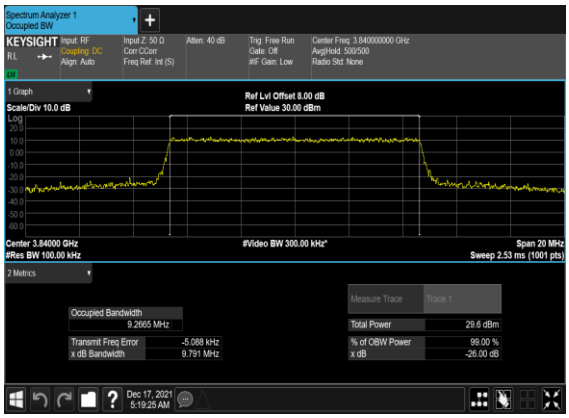
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



Occupied Bandwidth

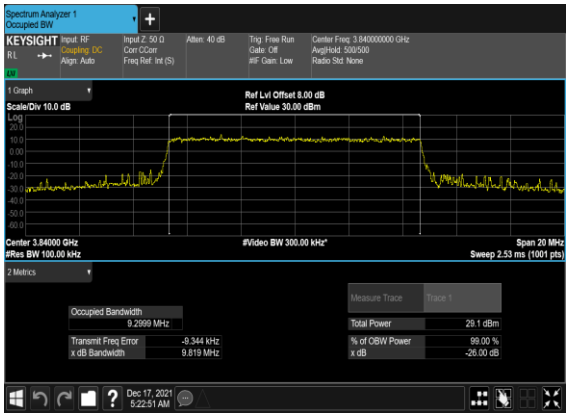
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	15	10	656000	3840.0	CP-OFDM QPSK	52@0	9.2665	9.791
77	15	10	656000	3840.0	CP-OFDM 16 QAM	52@0	9.2792	9.724
77	15	10	656000	3840.0	CP-OFDM 64 QAM	52@0	9.2999	9.819
77	15	10	656000	3840.0	CP-OFDM 256 QAM	52@0	9.2783	9.819
77	15	15	656000	3840.0	CP-OFDM QPSK	79@0	14.116	14.69
77	15	15	656000	3840.0	CP-OFDM 16 QAM	79@0	14.068	14.74
77	15	15	656000	3840.0	CP-OFDM 64 QAM	79@0	14.098	14.7
77	15	15	656000	3840.0	CP-OFDM 256 QAM	79@0	14.09	14.78
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	18.893	19.64
77	15	20	656000	3840.0	CP-OFDM 16 QAM	106@0	18.932	19.84
77	15	20	656000	3840.0	CP-OFDM 64 QAM	106@0	18.927	19.71
77	15	20	656000	3840.0	CP-OFDM 256 QAM	106@0	18.891	19.72
77	15	40	656000	3840.0	CP-OFDM QPSK	216@0	38.58	40.04
77	15	40	656000	3840.0	CP-OFDM 16 QAM	216@0	38.487	39.86
77	15	40	656000	3840.0	CP-OFDM 64 QAM	216@0	38.521	39.91
77	15	40	656000	3840.0	CP-OFDM 256 QAM	216@0	38.542	40.02
77	15	50	656000	3840.0	CP-OFDM QPSK	270@0	48.195	49.77
77	15	50	656000	3840.0	CP-OFDM 16 QAM	270@0	48.162	49.91
77	15	50	656000	3840.0	CP-OFDM 64 QAM	270@0	48.206	49.8
77	15	50	656000	3840.0	CP-OFDM 256 QAM	270@0	48.203	49.84

N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



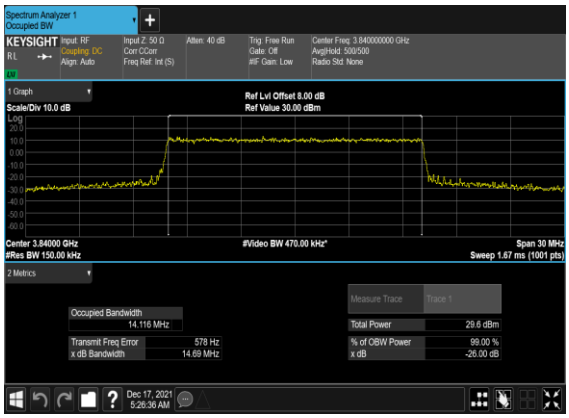
N77(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

N77(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



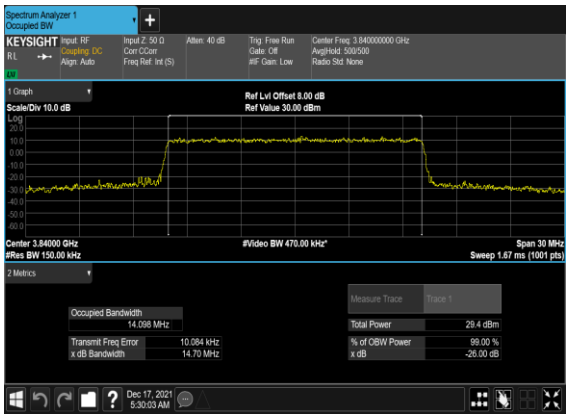
N77(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

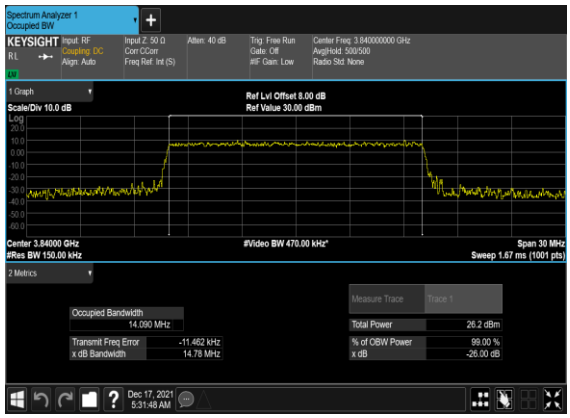


N77(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

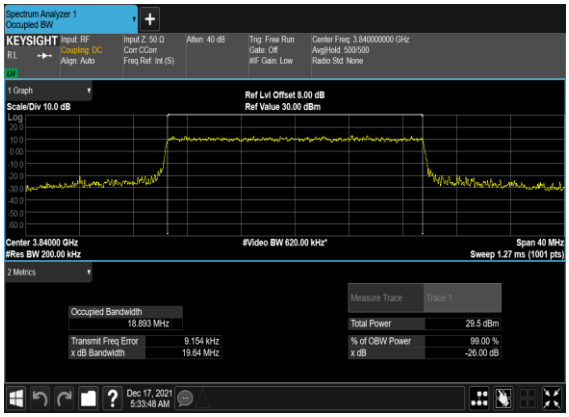
N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



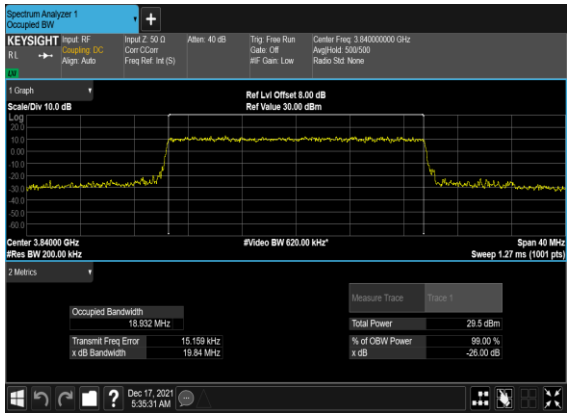
N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

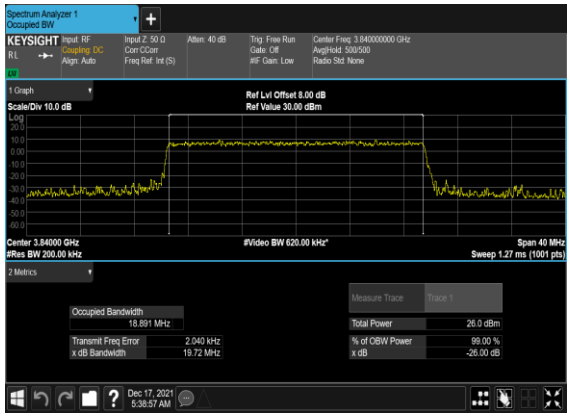


N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

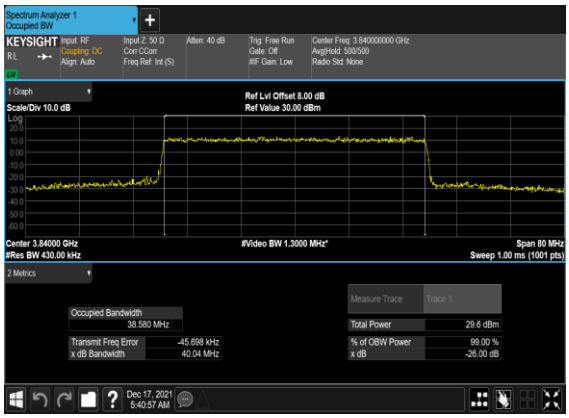


N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

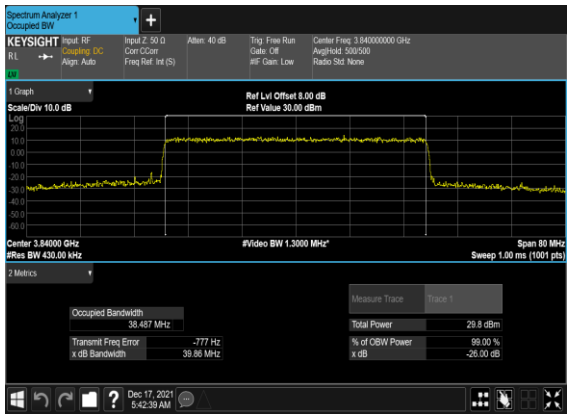
N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



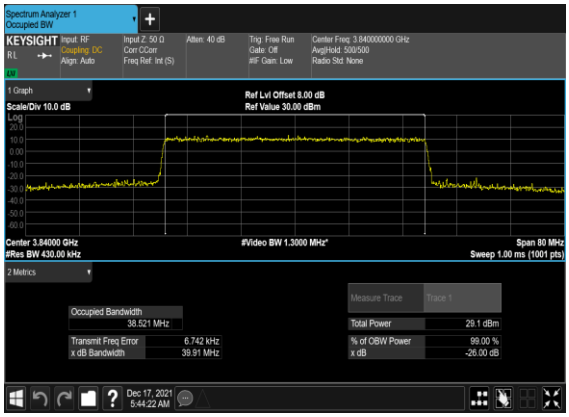
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



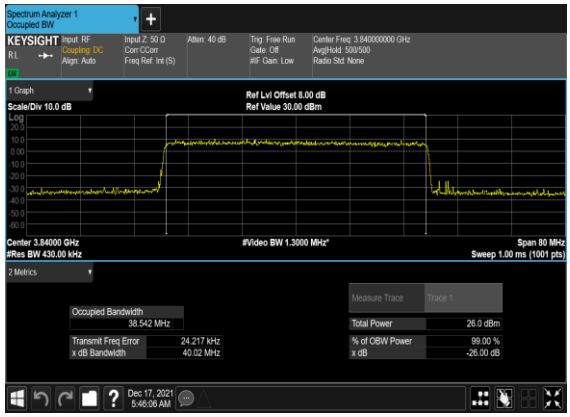
N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



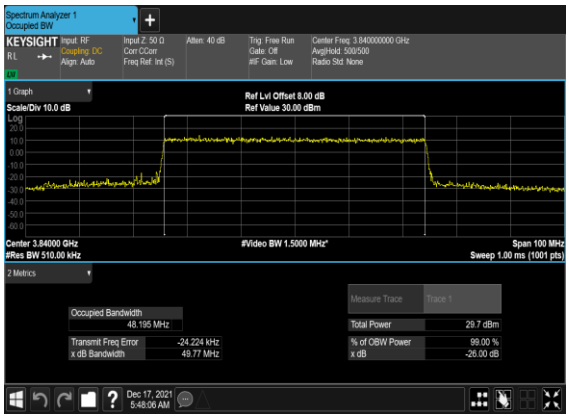
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



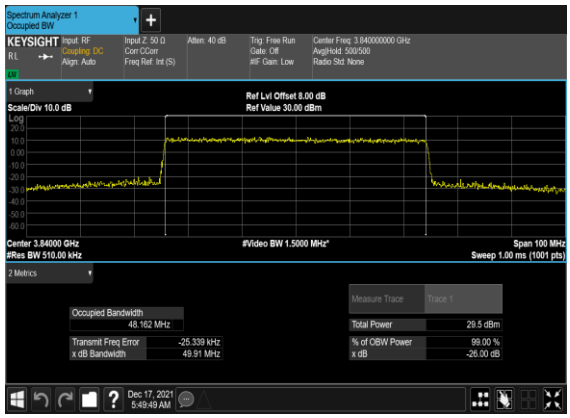
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



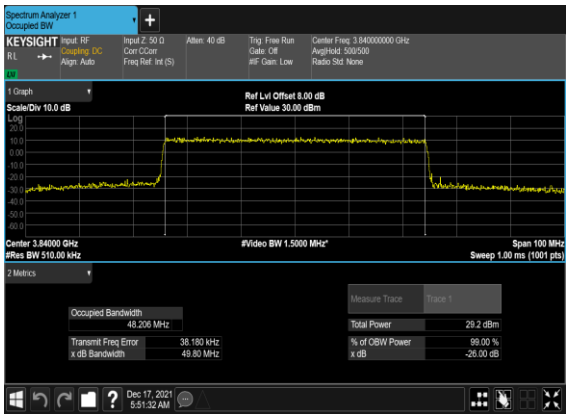
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



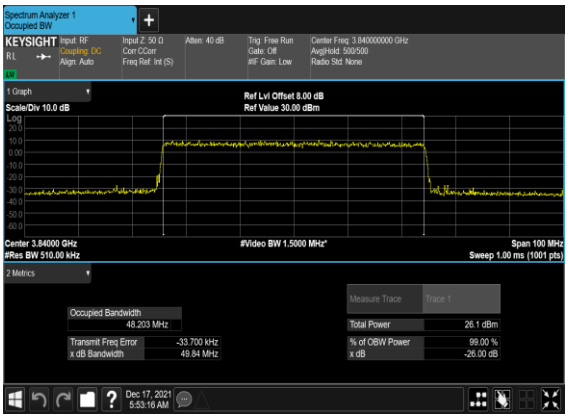
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

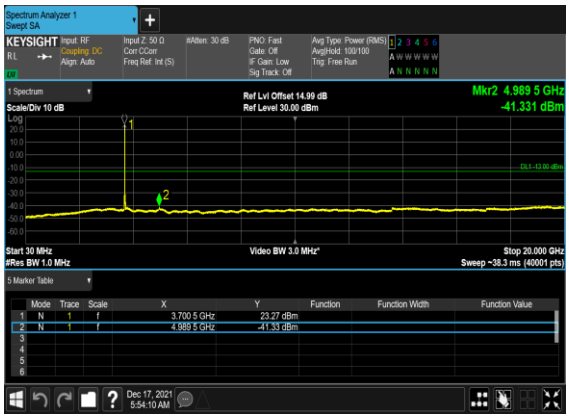


Conducted Spurious Emissions

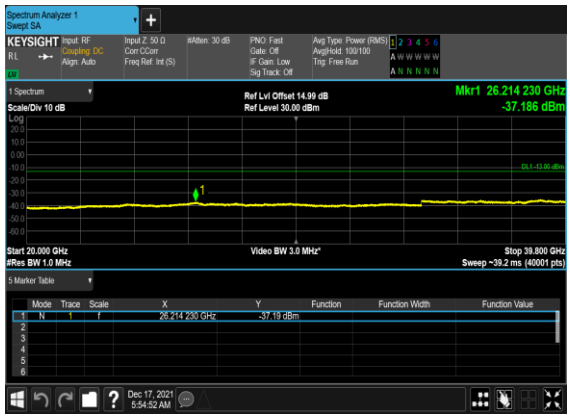
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**---**
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**---**
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	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	**---**
77	15	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**---**
77	15	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	**---**
77	15	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	664666	3969.99	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**

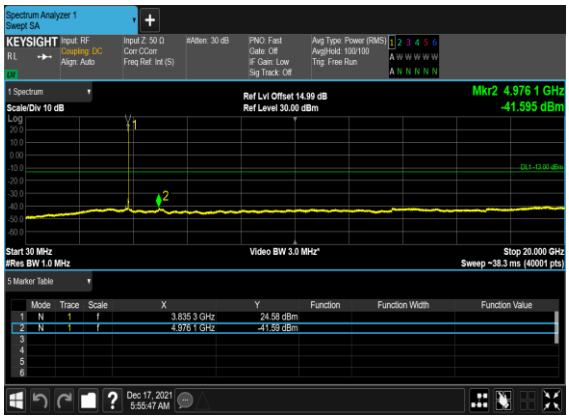
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



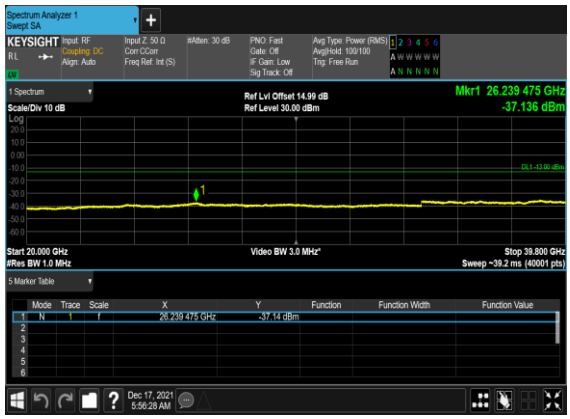
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



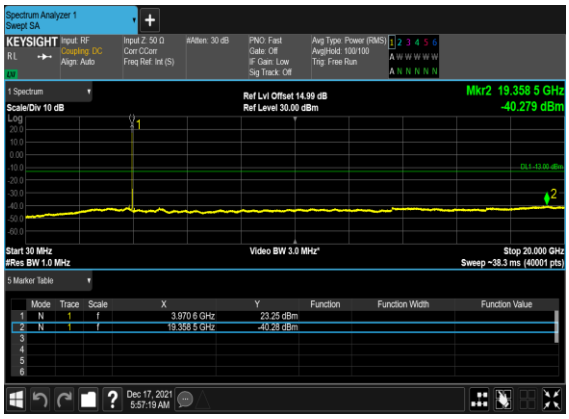
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



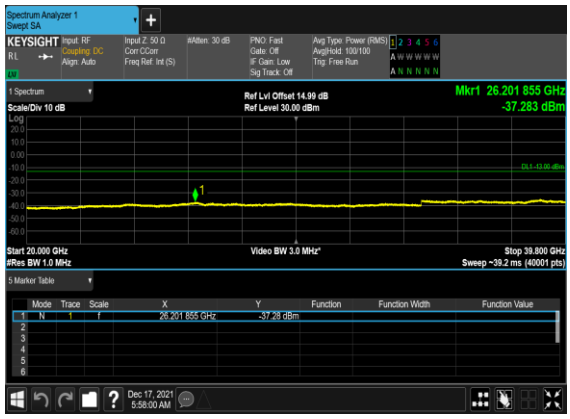
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



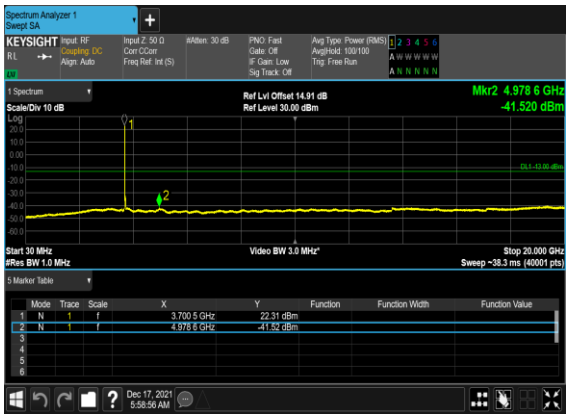
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



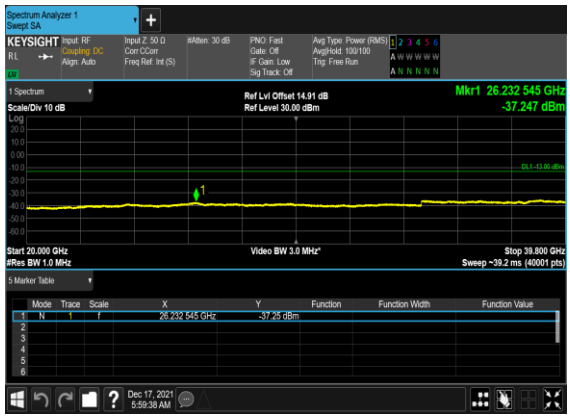
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



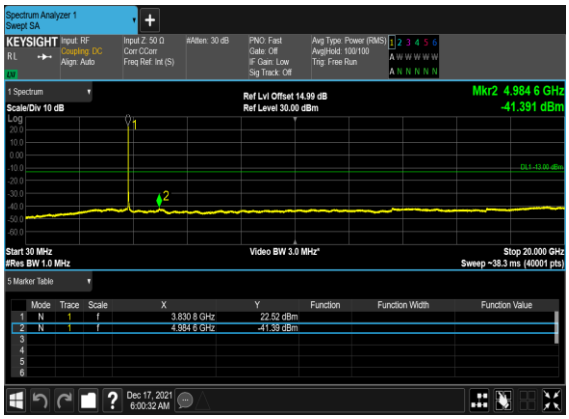
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



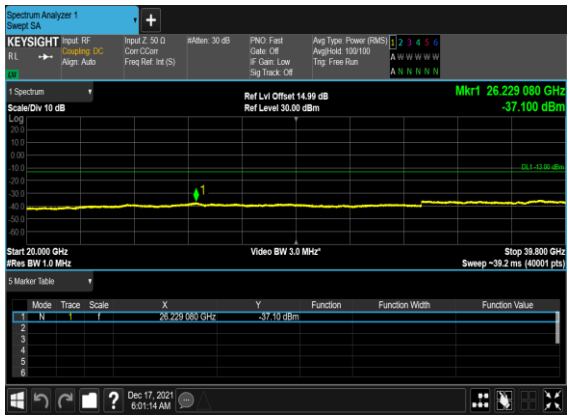
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



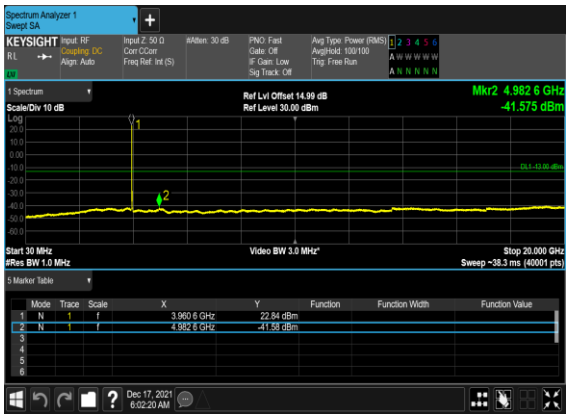
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



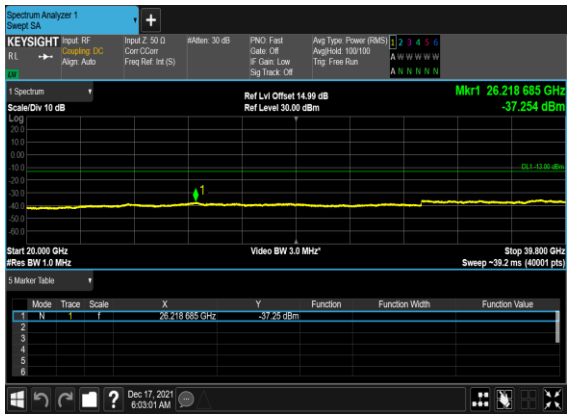
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



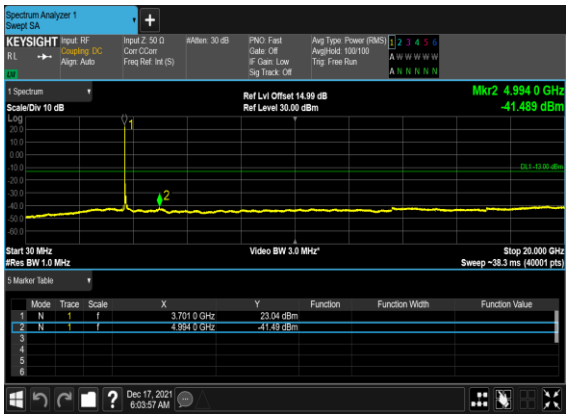
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



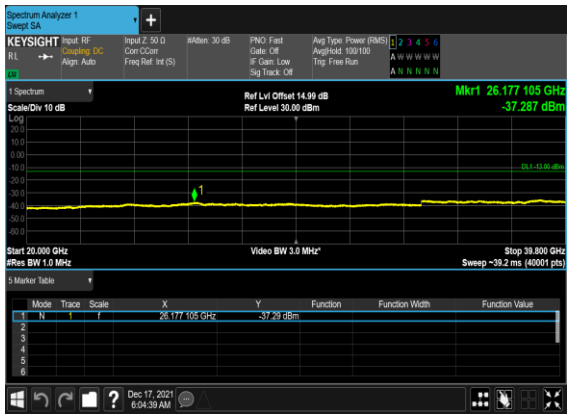
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



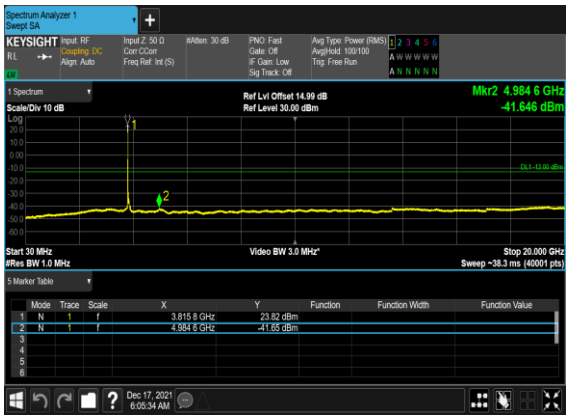
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



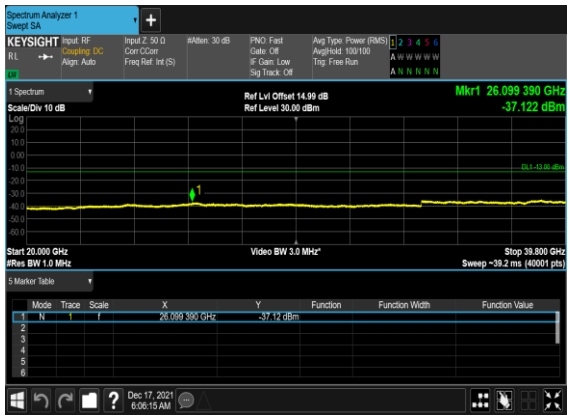
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



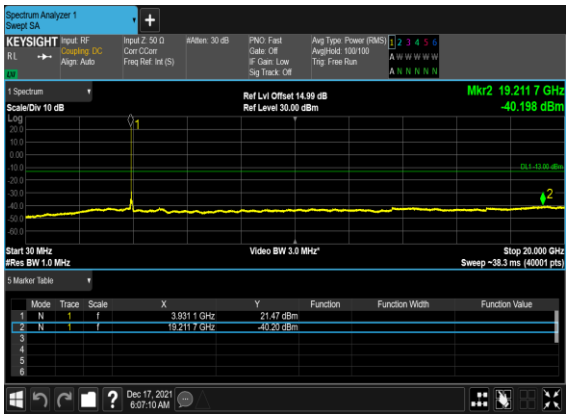
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



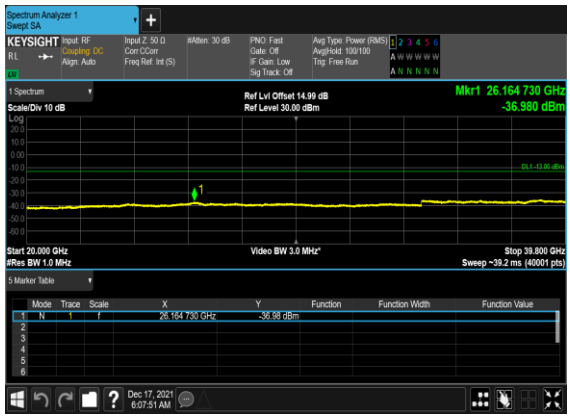
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



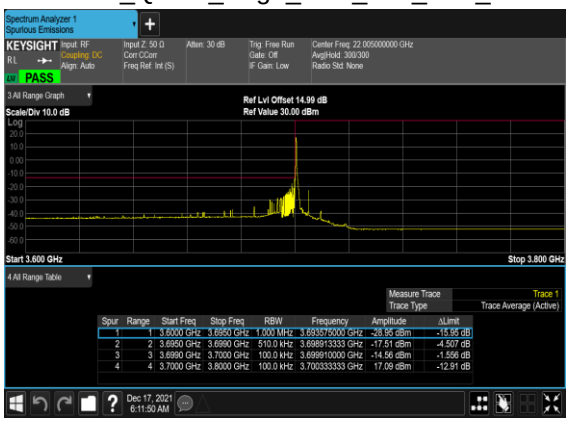
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



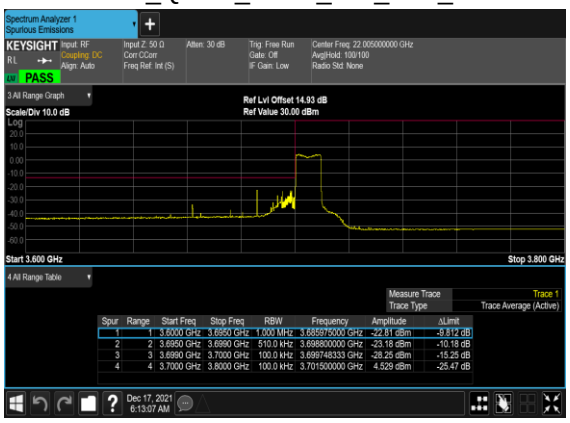
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	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	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	15	20	647334	3710.01	CP-OFDM QPSK	106@0	see graph	**PASS**
77	15	20	664666	3969.99	CP-OFDM QPSK	1@105	see graph	**PASS**
77	15	20	664666	3969.99	CP-OFDM QPSK	106@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**

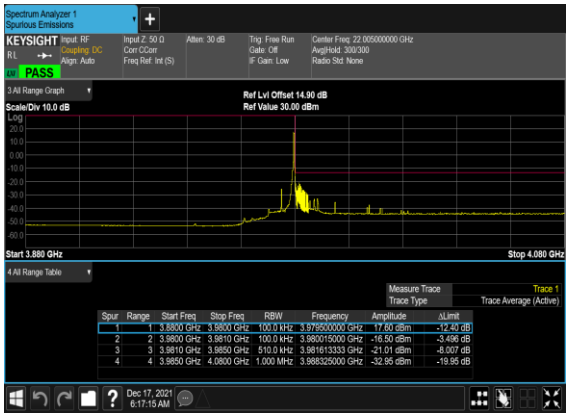
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



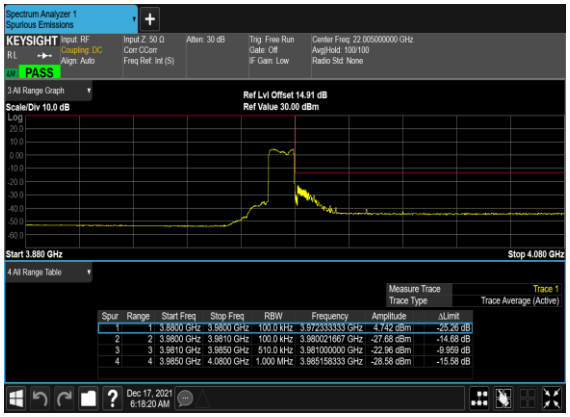
N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH



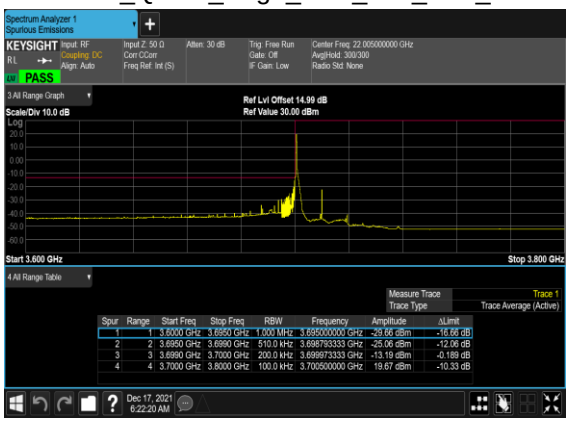
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



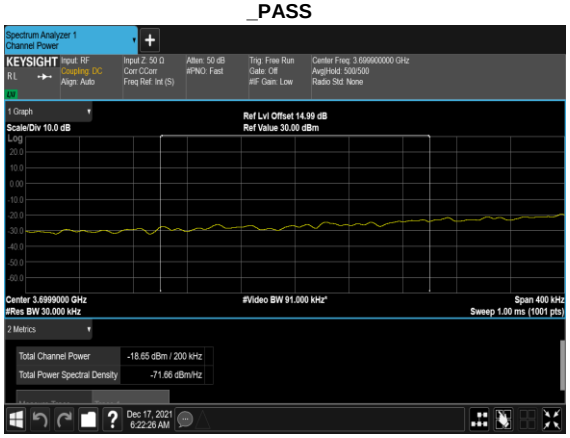
N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH



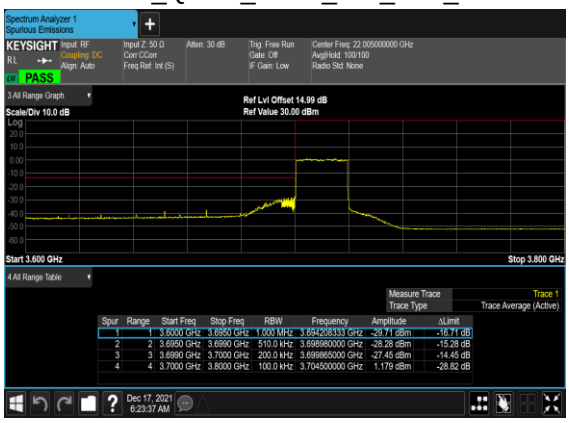
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



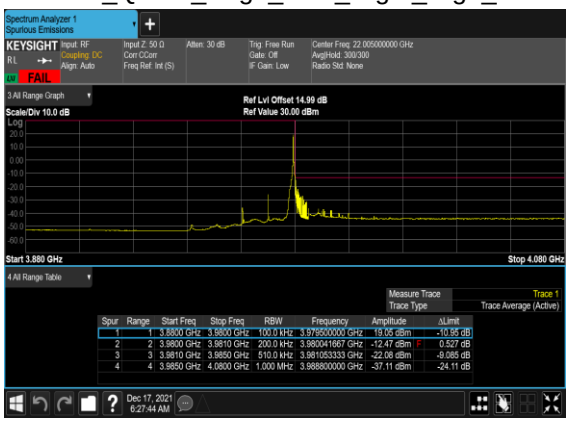
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N77(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH

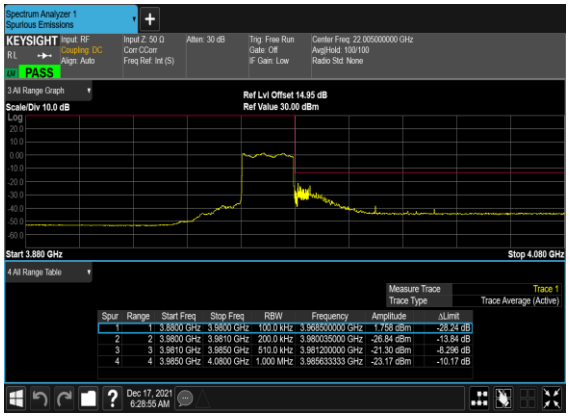


N77(20M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

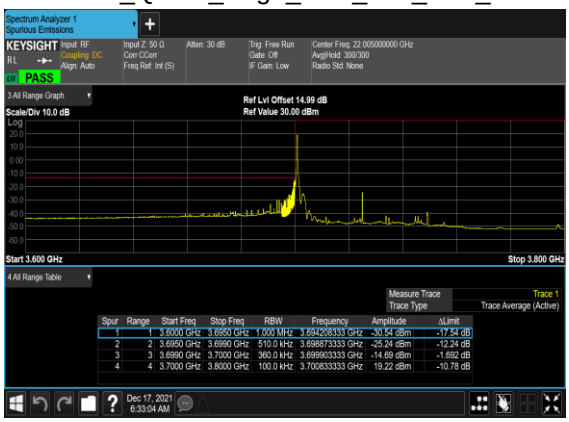
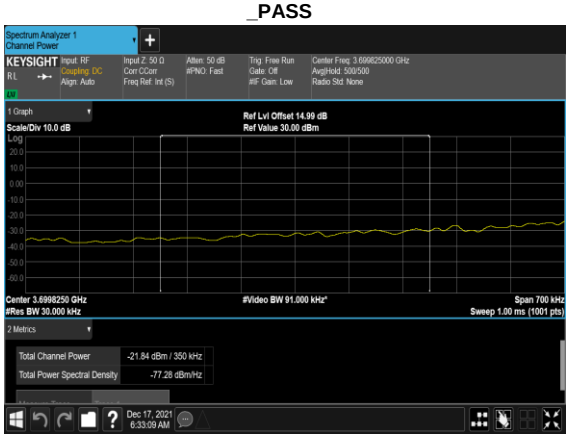


N77(20M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS

N77(20M)_CP-OFDM_QPSK_Outer_Full_High_CH



N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS