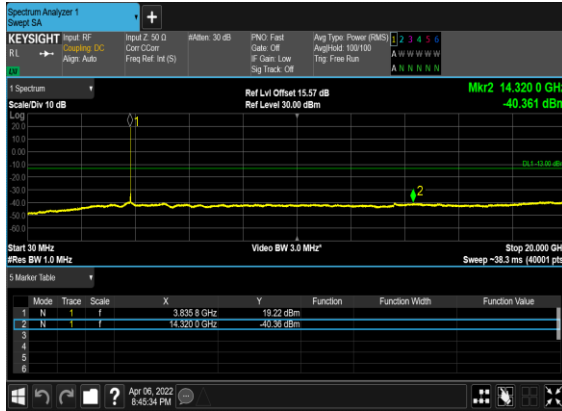
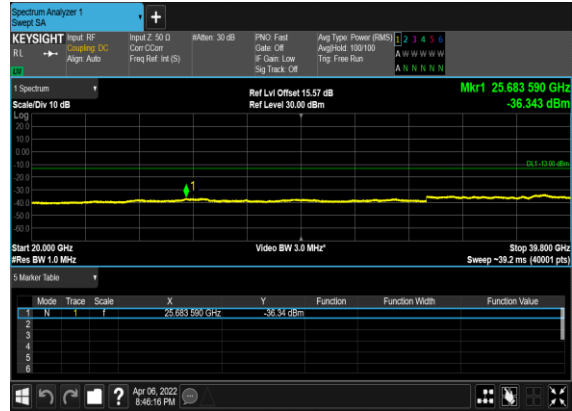


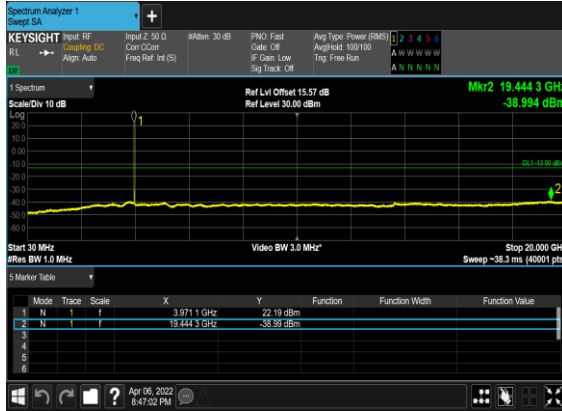
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



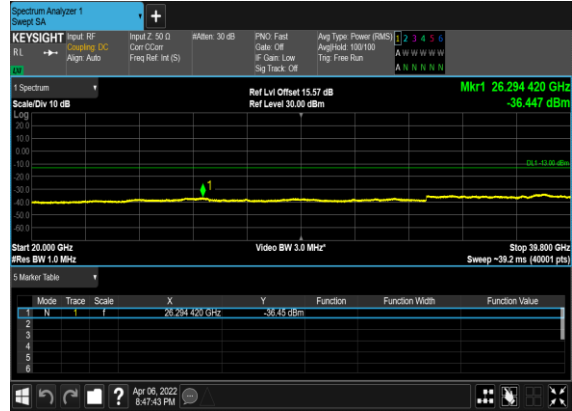
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



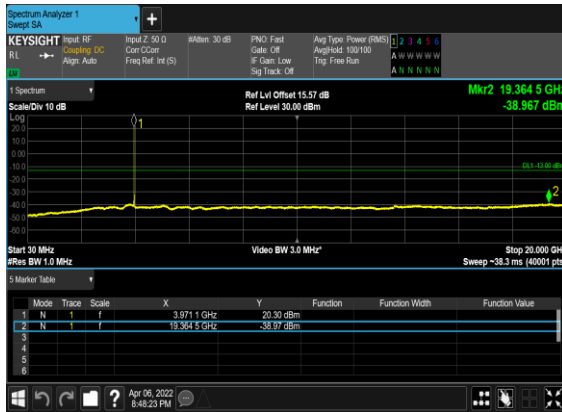
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



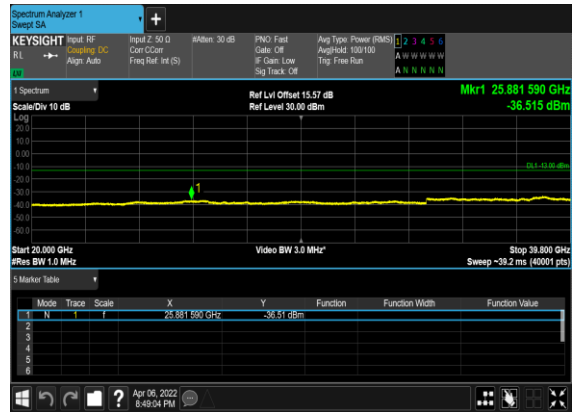
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



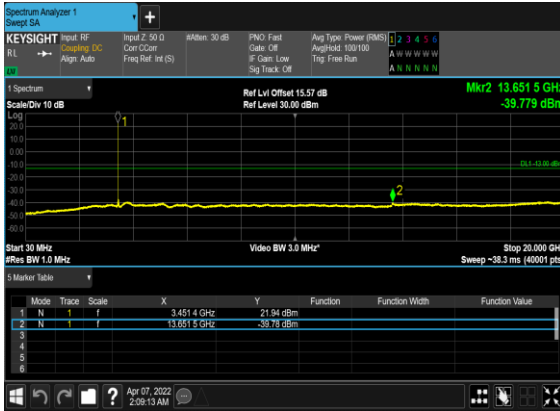
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



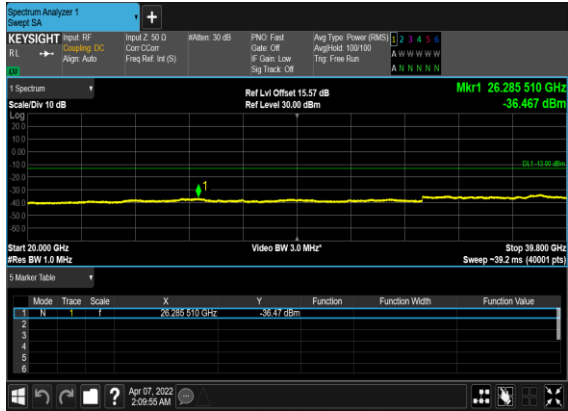
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



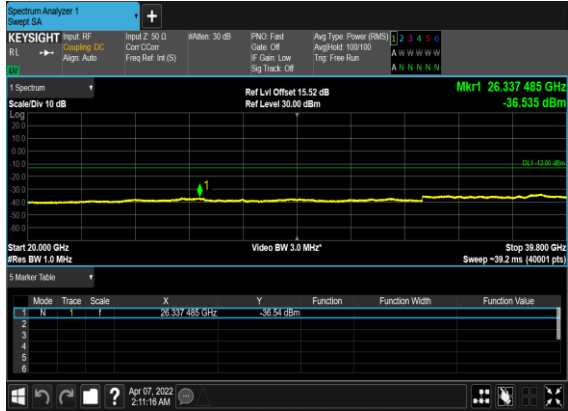
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



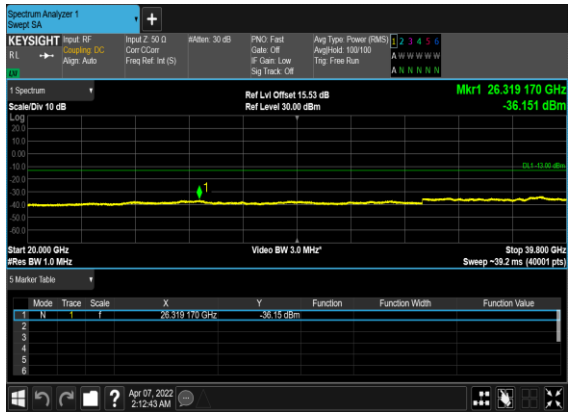
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



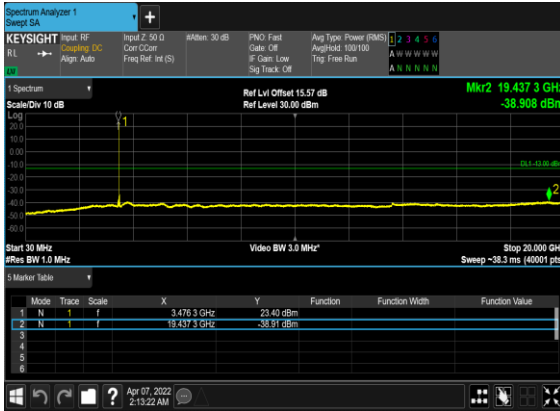
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



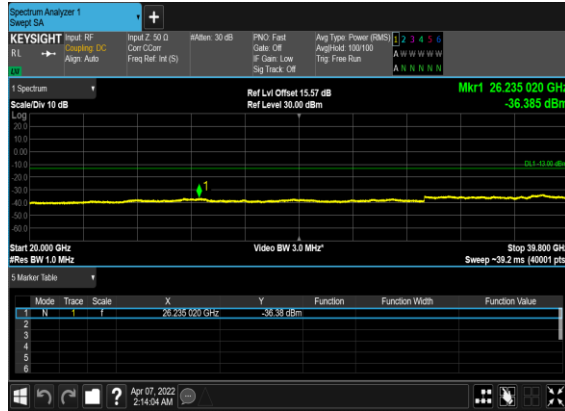
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



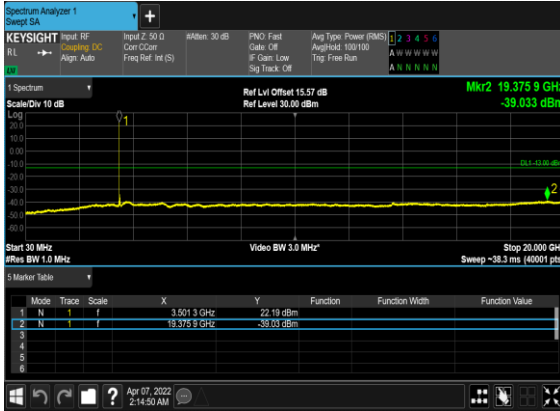
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



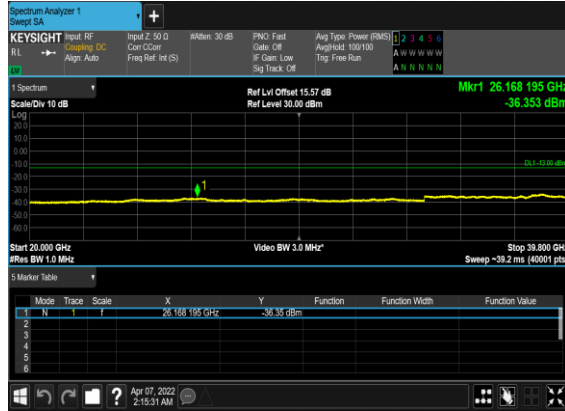
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



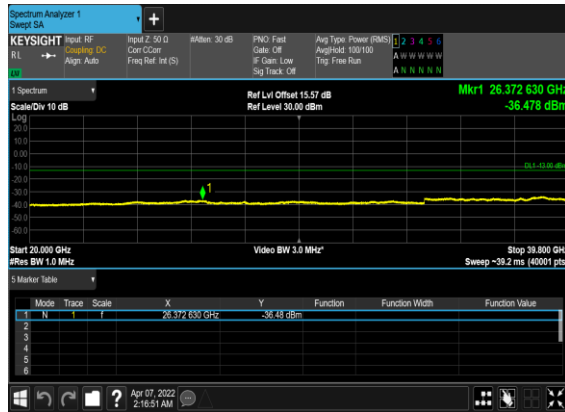
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



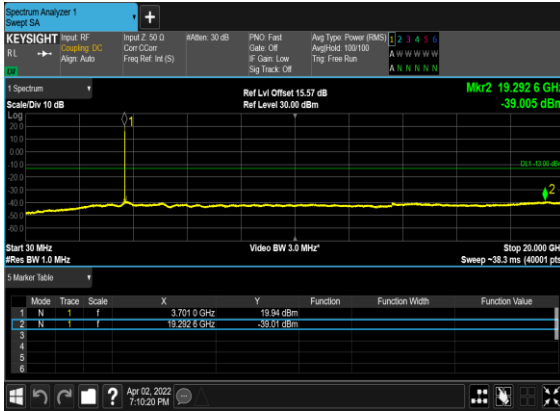
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



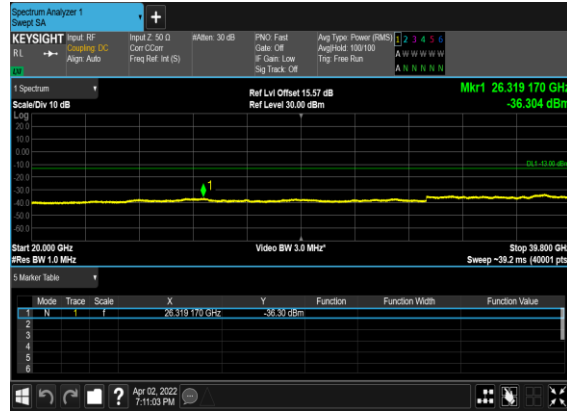
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



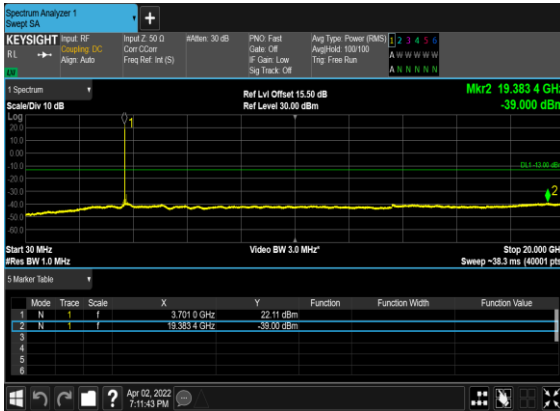
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



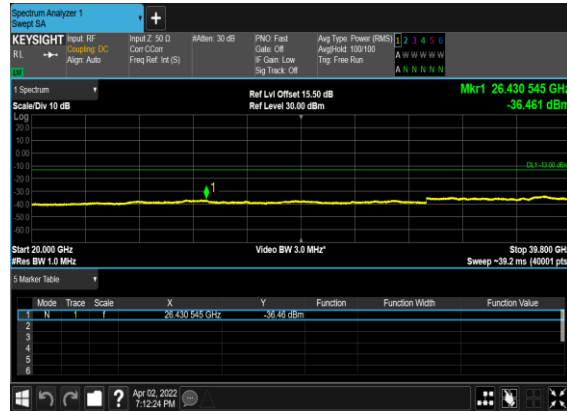
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



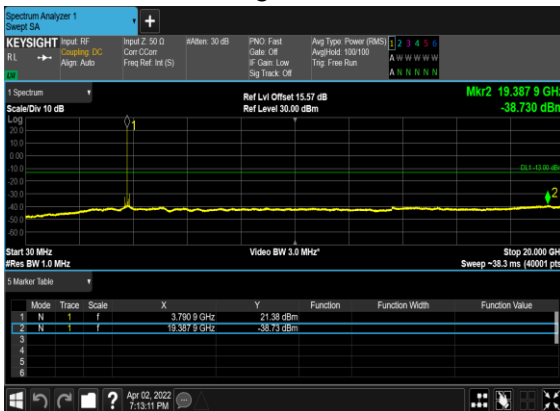
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



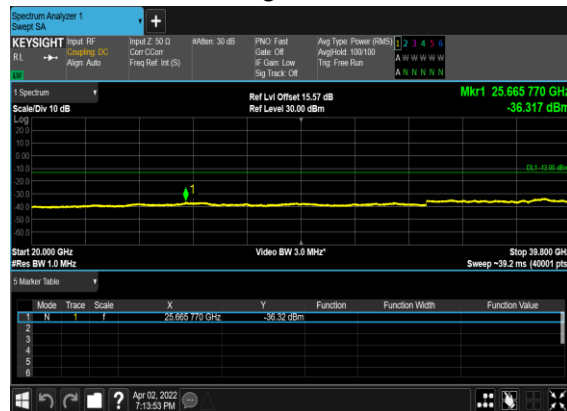
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



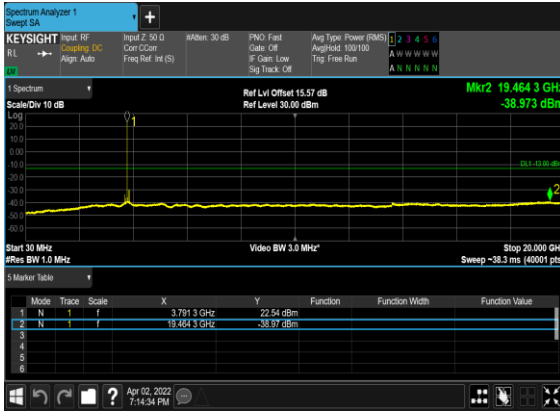
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



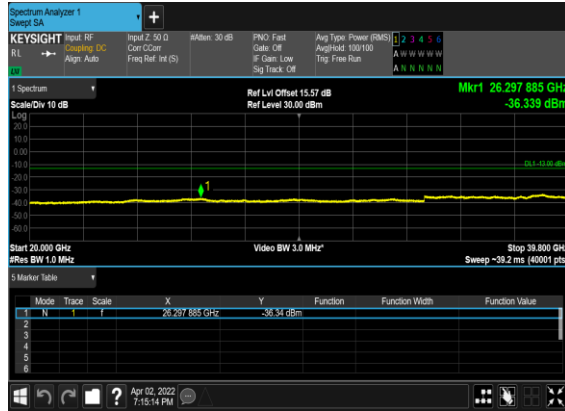
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



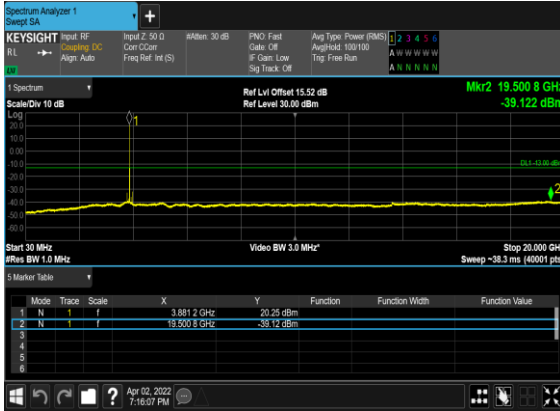
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



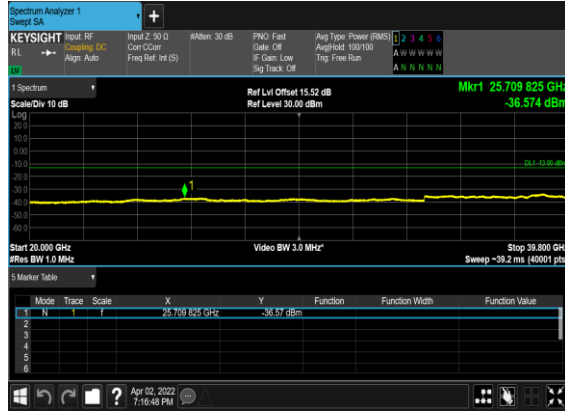
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



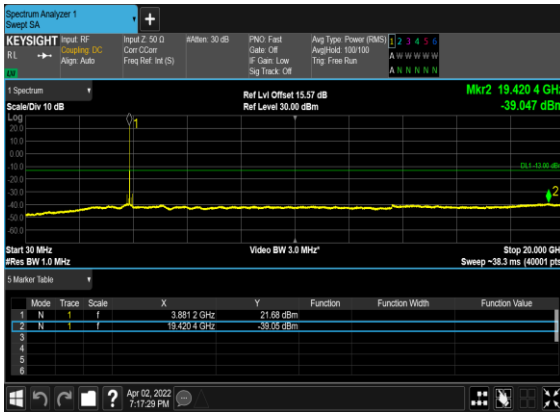
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



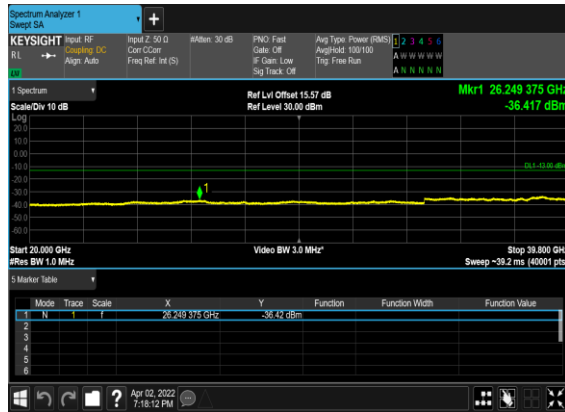
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

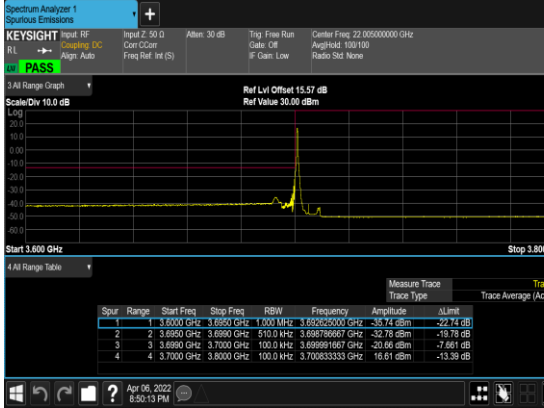


Conducted Band Edge

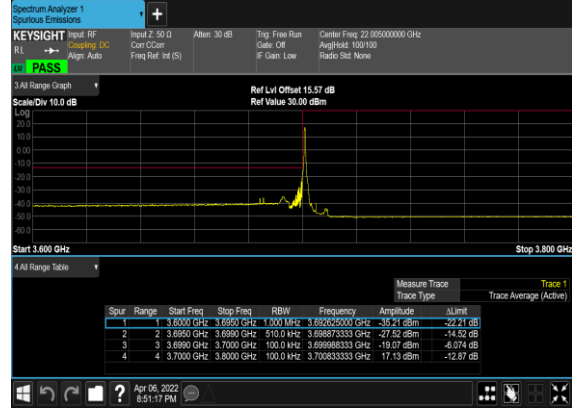
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see 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

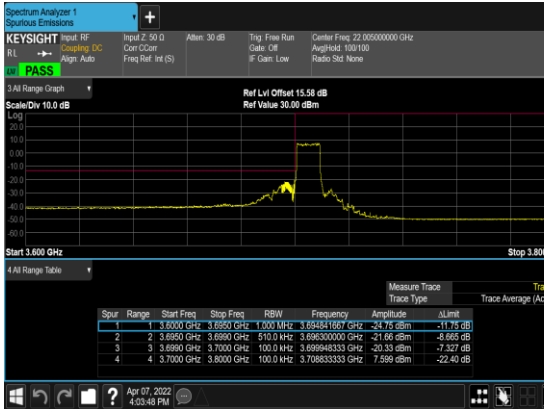
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



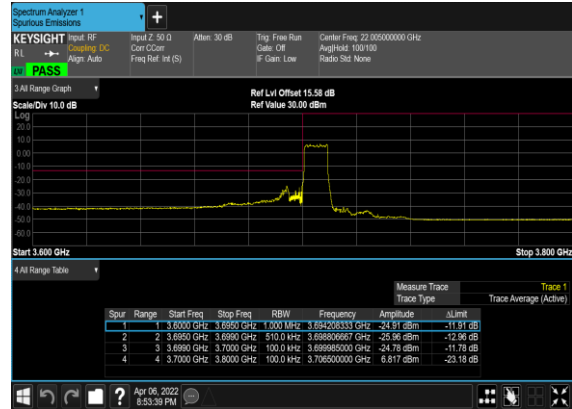
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



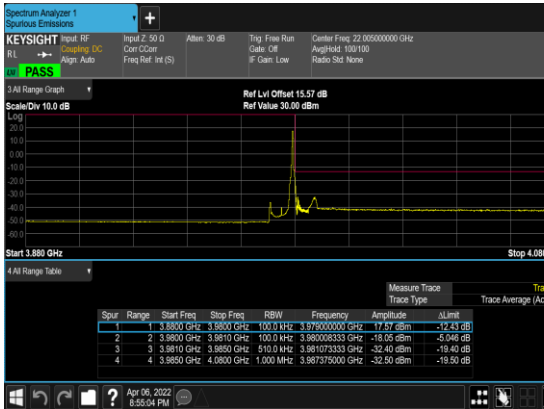
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



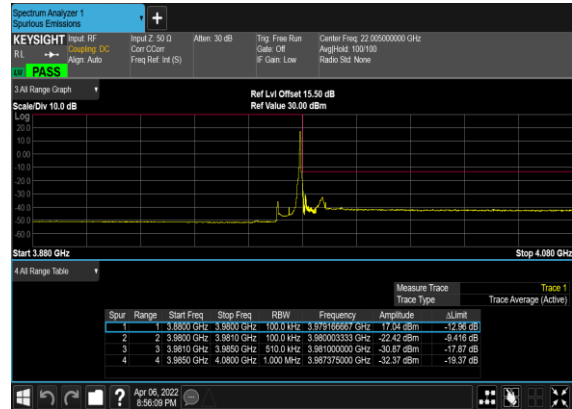
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



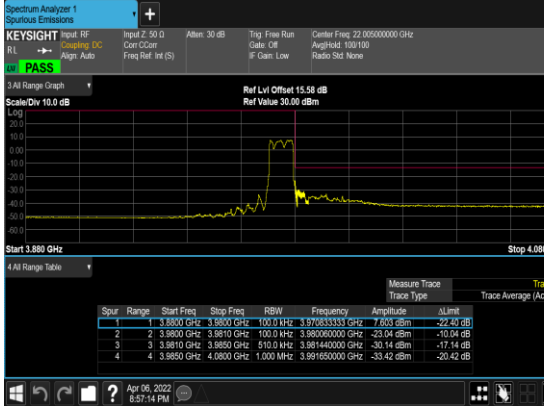
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



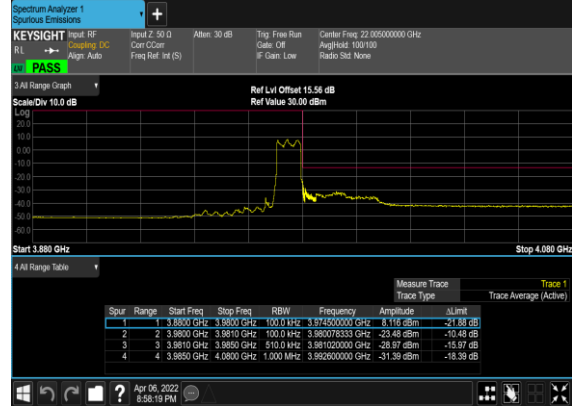
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



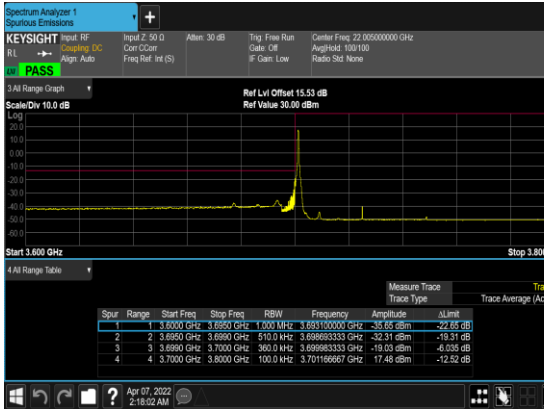
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



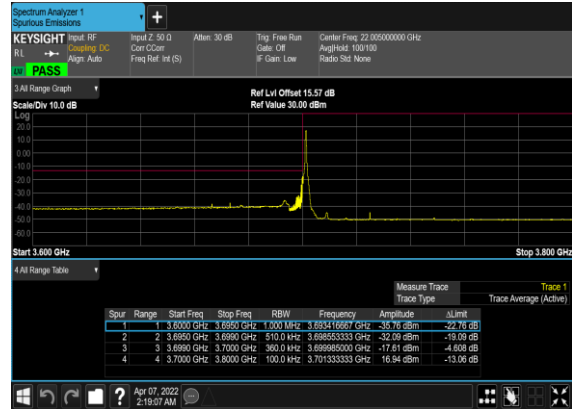
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



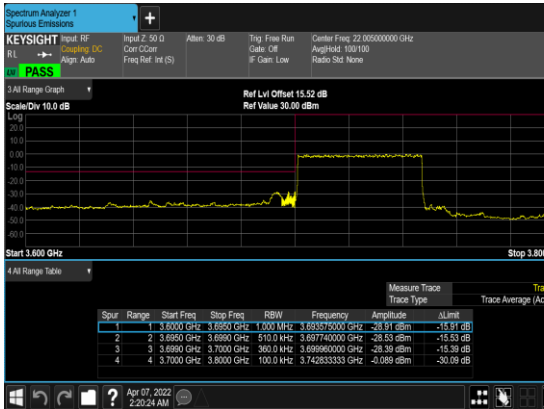
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



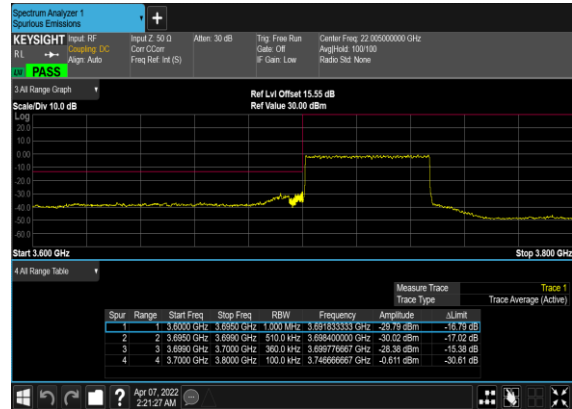
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



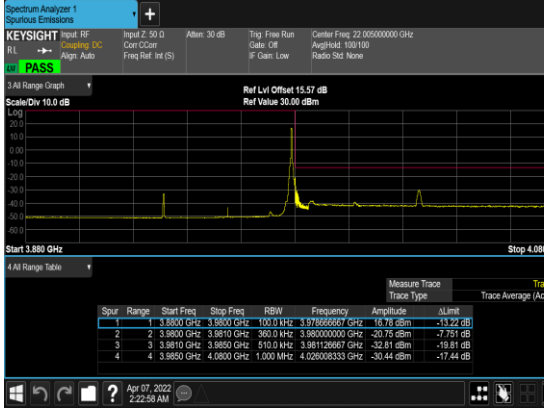
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



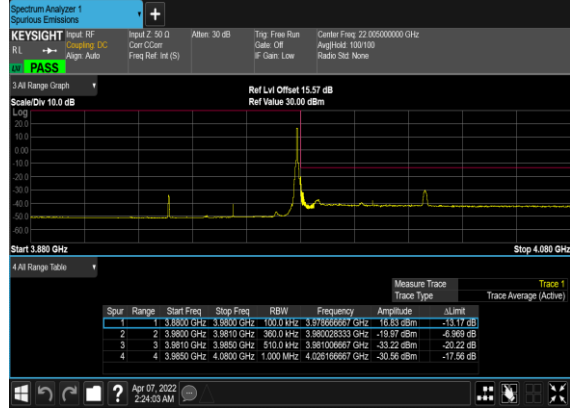
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



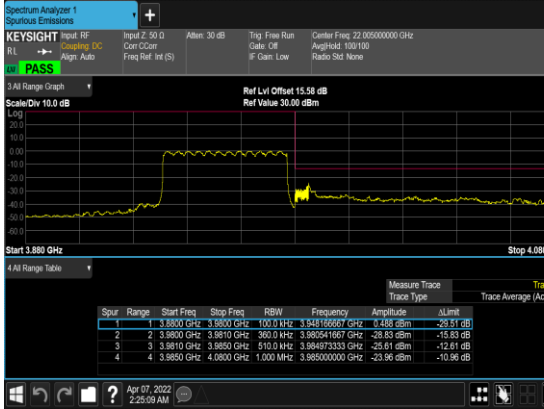
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



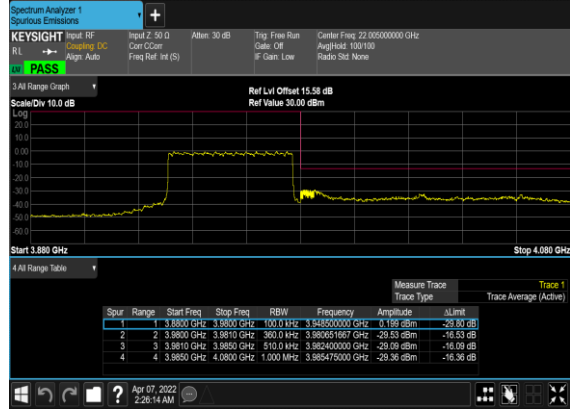
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



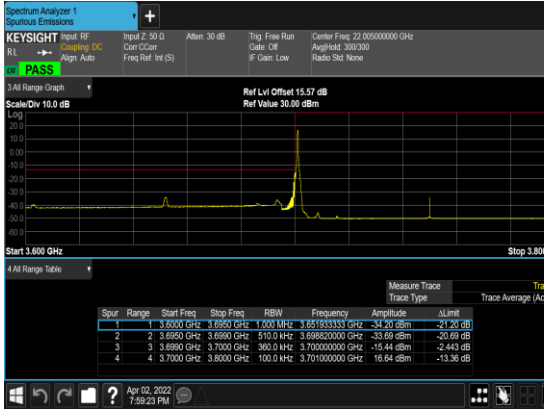
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



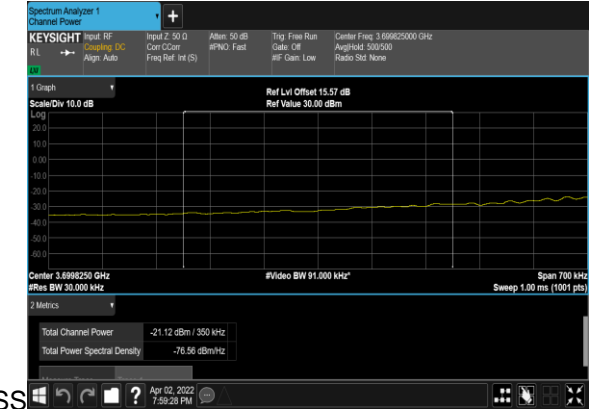
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



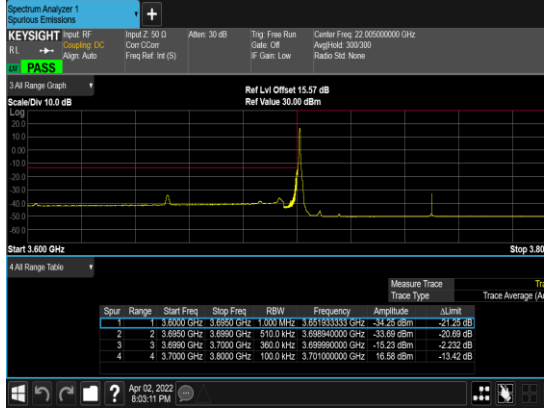
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



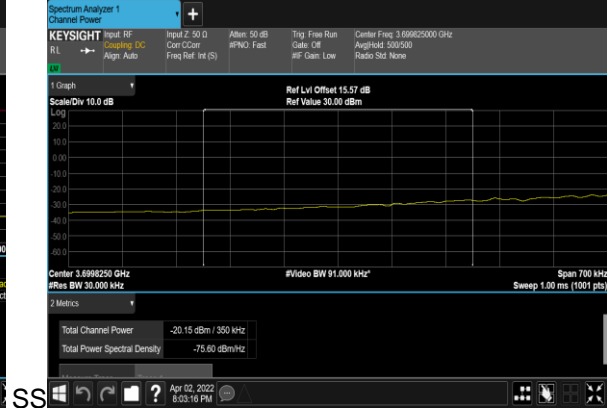
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PA



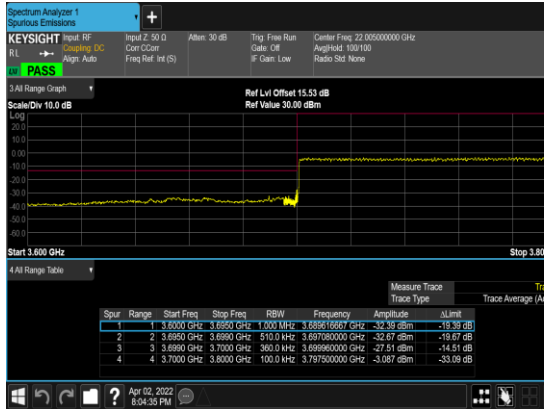
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



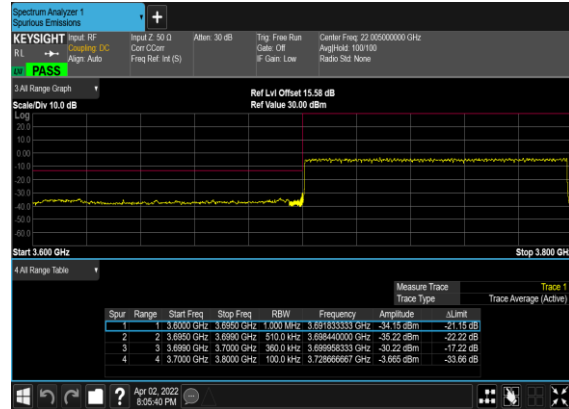
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PA



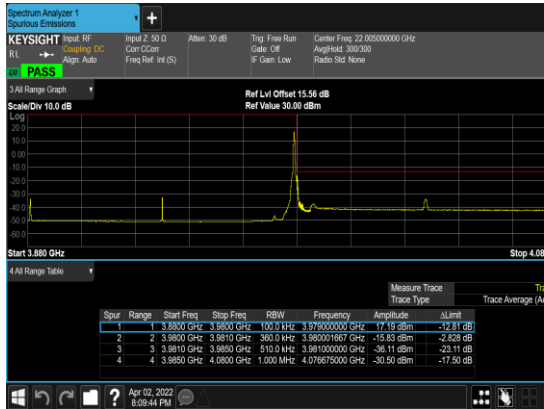
N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



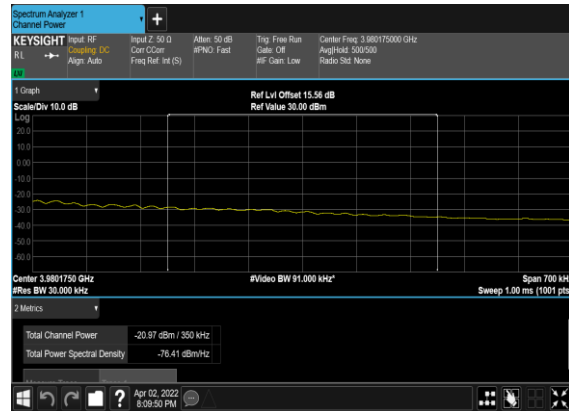
N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



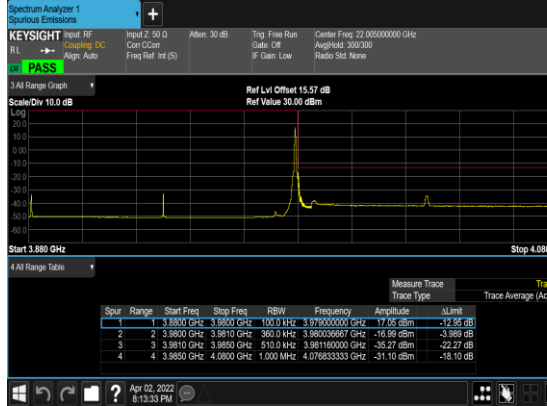
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



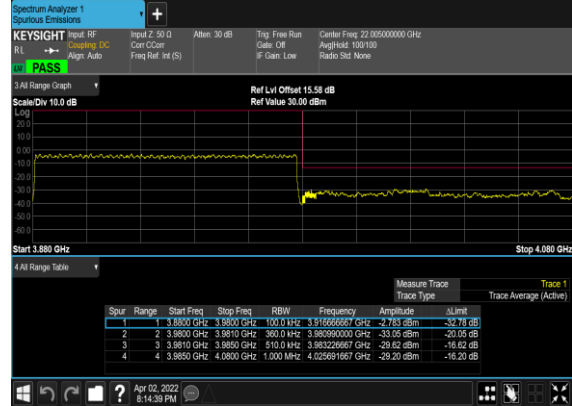
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



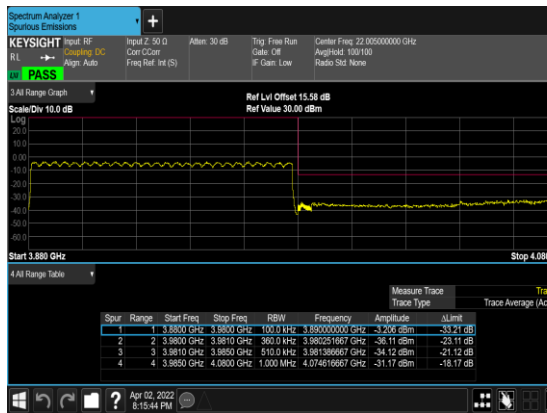
N77(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



FR1 N77 UL MIMO

(Ant 8+ Ant 7_Max Conducted Power)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)= -2.1dBi

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	30	10	647000	3705	CP-OFDM QPSK	12@6	23.12	22.99	26.07	23.97	0.2492
77	30	10	647000	3705	CP-OFDM QPSK	1@1	22.92	22.93	25.94	23.84	0.2418
77	30	10	647000	3705	CP-OFDM QPSK	1@22	22.9	23.06	25.99	23.89	0.2450
77	30	10	647000	3705	CP-OFDM 16 QAM	12@6	22.59	22.49	25.55	23.45	0.2213
77	30	10	647000	3705	CP-OFDM 16 QAM	1@1	22.61	22.32	25.48	23.38	0.2177
77	30	10	647000	3705	CP-OFDM 16 QAM	1@22	22.5	22.53	25.53	23.43	0.2201
77	30	10	647000	3705	CP-OFDM 64 QAM	12@6	21.14	21.08	24.12	22.02	0.1592
77	30	10	647000	3705	CP-OFDM 64 QAM	1@1	21.02	20.73	23.89	21.79	0.1509
77	30	10	647000	3705	CP-OFDM 64 QAM	1@22	20.94	20.79	23.88	21.78	0.1505
77	30	10	647000	3705	CP-OFDM 256 QAM	12@6	18.11	17.94	21.04	18.94	0.0783
77	30	10	647000	3705	CP-OFDM 256 QAM	1@1	18	18.04	21.03	18.93	0.0782
77	30	10	647000	3705	CP-OFDM 256 QAM	1@22	17.86	18.15	21.02	18.92	0.0779
77	30	10	656000	3840	CP-OFDM QPSK	12@6	22.84	23.16	26.01	23.91	0.2462
77	30	10	656000	3840	CP-OFDM QPSK	1@1	22.75	23.17	25.98	23.88	0.2441
77	30	10	656000	3840	CP-OFDM QPSK	1@22	22.75	23.32	26.05	23.95	0.2486
77	30	10	656000	3840	CP-OFDM 16 QAM	12@6	22.35	22.71	25.54	23.44	0.2210
77	30	10	656000	3840	CP-OFDM 16 QAM	1@1	22.37	22.61	25.50	23.40	0.2189

77	30	10	656000	3840	CP-OFDM 16 QAM	1@22	22.34	22.71	25.54	23.44	0.2208
77	30	10	656000	3840	CP-OFDM 64 QAM	12@6	20.87	21.27	24.08	21.98	0.1579
77	30	10	656000	3840	CP-OFDM 64 QAM	1@1	20.84	20.93	23.90	21.80	0.1512
77	30	10	656000	3840	CP-OFDM 64 QAM	1@22	20.78	20.97	23.89	21.79	0.1509
77	30	10	656000	3840	CP-OFDM 256 QAM	12@6	17.85	18.14	21.01	18.91	0.0778
77	30	10	656000	3840	CP-OFDM 256 QAM	1@1	17.73	18.18	20.97	18.87	0.0771
77	30	10	656000	3840	CP-OFDM 256 QAM	1@22	17.67	18.19	20.95	18.85	0.0767
77	30	10	665000	3975	CP-OFDM QPSK	12@6	23.19	23.08	26.15	24.05	0.2538
77	30	10	665000	3975	CP-OFDM QPSK	1@1	23.06	22.94	26.01	23.91	0.2461
77	30	10	665000	3975	CP-OFDM QPSK	1@22	23.07	23.13	26.11	24.01	0.2518
77	30	10	665000	3975	CP-OFDM 16 QAM	12@6	22.65	22.53	25.60	23.50	0.2239
77	30	10	665000	3975	CP-OFDM 16 QAM	1@1	22.62	22.41	25.53	23.43	0.2201
77	30	10	665000	3975	CP-OFDM 16 QAM	1@22	22.68	22.51	25.61	23.51	0.2242
77	30	10	665000	3975	CP-OFDM 64 QAM	12@6	21.15	21.08	24.13	22.03	0.1594
77	30	10	665000	3975	CP-OFDM 64 QAM	1@1	21.23	20.65	23.96	21.86	0.1535
77	30	10	665000	3975	CP-OFDM 64 QAM	1@22	21.24	20.73	24.00	21.90	0.1550
77	30	10	665000	3975	CP-OFDM 256 QAM	12@6	18.13	17.98	21.07	18.97	0.0788
77	30	10	665000	3975	CP-OFDM 256 QAM	1@1	18.07	18.1	21.10	19.00	0.0793
77	30	10	665000	3975	CP-OFDM 256 QAM	1@22	18.04	18.15	21.11	19.01	0.0795
77	30	15	6471683707.52		CP-OFDM QPSK	19@9	23.27	23.23	26.26	24.16	0.2606
77	30	15	6471683707.52		CP-OFDM QPSK	1@1	23.14	23.12	26.14	24.04	0.2535
77	30	15	6471683707.52		CP-OFDM	1@36	23.22	23.49	26.37	24.27	0.2671

QPSK										
77	30	15	6471683707.52	CP-OFDM 16 QAM	19@9	22.71	22.8	25.77	23.67	0.2326
77	30	15	6471683707.52	CP-OFDM 16 QAM	1@1	22.85	22.65	25.76	23.66	0.2324
77	30	15	6471683707.52	CP-OFDM 16 QAM	1@36	22.91	22.9	25.92	23.82	0.2407
77	30	15	6471683707.52	CP-OFDM 64 QAM	19@9	21.14	21.27	24.22	22.12	0.1628
77	30	15	6471683707.52	CP-OFDM 64 QAM	1@1	21.27	20.89	24.09	21.99	0.1583
77	30	15	6471683707.52	CP-OFDM 64 QAM	1@36	21.18	21.07	24.14	22.04	0.1598
77	30	15	6471683707.52	CP-OFDM 256 QAM	19@9	18.18	18.17	21.19	19.09	0.0810
77	30	15	6471683707.52	CP-OFDM 256 QAM	1@1	18.15	18.29	21.23	19.13	0.0819
77	30	15	6471683707.52	CP-OFDM 256 QAM	1@36	18.1	18.47	21.30	19.20	0.0832
77	30	15	656000 3840	CP-OFDM QPSK	19@9	23.11	23.42	26.28	24.18	0.2617
77	30	15	656000 3840	CP-OFDM QPSK	1@1	22.88	23.4	26.16	24.06	0.2546
77	30	15	656000 3840	CP-OFDM QPSK	1@36	23.14	23.64	26.41	24.31	0.2696
77	30	15	656000 3840	CP-OFDM 16 QAM	19@9	22.57	22.93	25.76	23.66	0.2325
77	30	15	656000 3840	CP-OFDM 16 QAM	1@1	22.5	22.77	25.65	23.55	0.2263
77	30	15	656000 3840	CP-OFDM 16 QAM	1@36	22.69	23.05	25.88	23.78	0.2390
77	30	15	656000 3840	CP-OFDM 64 QAM	19@9	21.04	21.53	24.30	22.20	0.1660
77	30	15	656000 3840	CP-OFDM 64 QAM	1@1	21.04	21.22	24.14	22.04	0.1600
77	30	15	656000 3840	CP-OFDM 64 QAM	1@36	21.06	21.34	24.21	22.11	0.1627
77	30	15	656000 3840	CP-OFDM 256 QAM	19@9	18.04	18.36	21.21	19.11	0.0815
77	30	15	656000 3840	CP-OFDM 256 QAM	1@1	17.98	18.5	21.26	19.16	0.0824
77	30	15	656000 3840	CP-OFDM 256 QAM	1@36	17.98	18.64	21.33	19.23	0.0838

77	30	15	6648323972.48	CP-OFDM QPSK	19@9	23.16	23.06	26.12	24.02	0.2524
77	30	15	6648323972.48	CP-OFDM QPSK	1@1	23.12	23.02	26.08	23.98	0.2501
77	30	15	6648323972.48	CP-OFDM QPSK	1@36	23.17	23.27	26.23	24.13	0.2589
77	30	15	6648323972.48	CP-OFDM 16 QAM	19@9	22.59	22.59	25.60	23.50	0.2239
77	30	15	6648323972.48	CP-OFDM 16 QAM	1@1	22.78	22.54	25.67	23.57	0.2276
77	30	15	6648323972.48	CP-OFDM 16 QAM	1@36	22.92	22.74	25.84	23.74	0.2367
77	30	15	6648323972.48	CP-OFDM 64 QAM	19@9	21.07	21.17	24.13	22.03	0.1596
77	30	15	6648323972.48	CP-OFDM 64 QAM	1@1	21.16	20.8	23.99	21.89	0.1547
77	30	15	6648323972.48	CP-OFDM 64 QAM	1@36	21.24	21.02	24.14	22.04	0.1600
77	30	15	6648323972.48	CP-OFDM 256 QAM	19@9	18.08	18.05	21.08	18.98	0.0790
77	30	15	6648323972.48	CP-OFDM 256 QAM	1@1	18.02	18.18	21.11	19.01	0.0796
77	30	15	6648323972.48	CP-OFDM 256 QAM	1@36	18.13	18.32	21.24	19.14	0.0820
77	30	20	6473343710.01	CP-OFDM QPSK	25@12	23.15	23.19	26.18	24.08	0.2559
77	30	20	6473343710.01	CP-OFDM QPSK	1@1	23.16	23.11	26.15	24.05	0.2538
77	30	20	6473343710.01	CP-OFDM QPSK	1@49	23.17	23.26	26.23	24.13	0.2586
77	30	20	6473343710.01	CP-OFDM 16 QAM	25@12	22.76	22.73	25.76	23.66	0.2320
77	30	20	6473343710.01	CP-OFDM 16 QAM	1@1	22.81	22.65	25.74	23.64	0.2313
77	30	20	6473343710.01	CP-OFDM 16 QAM	1@49	22.77	22.78	25.79	23.69	0.2336
77	30	20	6473343710.01	CP-OFDM 64 QAM	25@12	21.14	21.3	24.23	22.13	0.1633
77	30	20	6473343710.01	CP-OFDM 64 QAM	1@1	21.32	20.84	24.10	22.00	0.1584
77	30	20	6473343710.01	CP-OFDM 64 QAM	1@49	21.31	20.94	24.14	22.04	0.1599
77	30	20	6473343710.01	CP-OFDM	25@12	18.14	18.2	21.18	19.08	0.0809

77	30	20	6646663969.99	CP-OFDM 64 QAM	1@1	21.13	20.85	24.00	21.90	0.1550
77	30	20	6646663969.99	CP-OFDM 64 QAM	1@49	21.24	21.08	24.17	22.07	0.1611
77	30	20	6646663969.99	CP-OFDM 256 QAM	25@12	18.06	18.04	21.06	18.96	0.0787
77	30	20	6646663969.99	CP-OFDM 256 QAM	1@1	18.06	18.18	21.13	19.03	0.0800
77	30	20	6646663969.99	CP-OFDM 256 QAM	1@49	18.22	18.32	21.28	19.18	0.0828
77	30	30	6476683715.02	CP-OFDM QPSK	39@19	23.17	23.28	26.24	24.14	0.2592
77	30	30	6476683715.02	CP-OFDM QPSK	1@1	23.1	23.2	26.16	24.06	0.2547
77	30	30	6476683715.02	CP-OFDM QPSK	1@76	22.95	23.25	26.11	24.01	0.2519
77	30	30	6476683715.02	CP-OFDM 16 QAM	39@19	22.71	22.77	25.75	23.65	0.2318
77	30	30	6476683715.02	CP-OFDM 16 QAM	1@1	22.75	22.71	25.74	23.64	0.2312
77	30	30	6476683715.02	CP-OFDM 16 QAM	1@76	22.69	22.73	25.72	23.62	0.2302
77	30	30	6476683715.02	CP-OFDM 64 QAM	39@19	21.14	21.23	24.20	22.10	0.1620
77	30	30	6476683715.02	CP-OFDM 64 QAM	1@1	21.23	20.98	24.12	22.02	0.1591
77	30	30	6476683715.02	CP-OFDM 64 QAM	1@76	21.12	21.21	24.18	22.08	0.1613
77	30	30	6476683715.02	CP-OFDM 256 QAM	39@19	18.11	18.24	21.19	19.09	0.0810
77	30	30	6476683715.02	CP-OFDM 256 QAM	1@1	18.15	18.26	21.22	19.12	0.0816
77	30	30	6476683715.02	CP-OFDM 256 QAM	1@76	17.92	18.46	21.21	19.11	0.0814
77	30	30	656000 3840	CP-OFDM QPSK	39@19	23.07	23.43	26.26	24.16	0.2609
77	30	30	656000 3840	CP-OFDM QPSK	1@1	22.92	23.33	26.14	24.04	0.2535
77	30	30	656000 3840	CP-OFDM QPSK	1@76	23.07	23.52	26.31	24.21	0.2637
77	30	30	656000 3840	CP-OFDM 16 QAM	39@19	22.61	22.95	25.79	23.69	0.2341
77	30	30	656000 3840	CP-OFDM	1@1	22.55	22.74	25.66	23.56	0.2268

77	30	40	648000	3720	CP-OFDM QPSK	1@104	23.09	23.26	26.19	24.09	0.2562
77	30	40	648000	3720	CP-OFDM 16 QAM	53@26	22.64	22.77	25.72	23.62	0.2299
77	30	40	648000	3720	CP-OFDM 16 QAM	1@1	22.88	22.76	25.83	23.73	0.2361
77	30	40	648000	3720	CP-OFDM 16 QAM	1@104	22.58	22.72	25.66	23.56	0.2270
77	30	40	648000	3720	CP-OFDM 64 QAM	53@26	21.14	21.27	24.22	22.12	0.1628
77	30	40	648000	3720	CP-OFDM 64 QAM	1@1	21.47	20.98	24.24	22.14	0.1638
77	30	40	648000	3720	CP-OFDM 64 QAM	1@104	21.18	20.96	24.08	21.98	0.1578
77	30	40	648000	3720	CP-OFDM 256 QAM	53@26	18.11	18.19	21.16	19.06	0.0805
77	30	40	648000	3720	CP-OFDM 256 QAM	1@1	18.27	18.51	21.40	19.30	0.0852
77	30	40	648000	3720	CP-OFDM 256 QAM	1@104	18.01	18.4	21.22	19.12	0.0817
77	30	40	656000	3840	CP-OFDM QPSK	53@26	23.07	23.43	26.26	24.16	0.2609
77	30	40	656000	3840	CP-OFDM QPSK	1@1	23.1	23.4	26.26	24.16	0.2608
77	30	40	656000	3840	CP-OFDM QPSK	1@104	23.07	23.36	26.23	24.13	0.2587
77	30	40	656000	3840	CP-OFDM 16 QAM	53@26	22.56	22.88	25.73	23.63	0.2308
77	30	40	656000	3840	CP-OFDM 16 QAM	1@1	22.6	22.94	25.78	23.68	0.2335
77	30	40	656000	3840	CP-OFDM 16 QAM	1@104	22.6	22.8	25.71	23.61	0.2297
77	30	40	656000	3840	CP-OFDM 64 QAM	53@26	21.02	21.43	24.24	22.14	0.1637
77	30	40	656000	3840	CP-OFDM 64 QAM	1@1	21.23	21.14	24.20	22.10	0.1620
77	30	40	656000	3840	CP-OFDM 64 QAM	1@104	21.2	21.14	24.18	22.08	0.1615
77	30	40	656000	3840	CP-OFDM 256 QAM	53@26	18.1	18.4	21.26	19.16	0.0825
77	30	40	656000	3840	CP-OFDM 256 QAM	1@1	18.07	18.61	21.36	19.26	0.0843
77	30	40	656000	3840	CP-OFDM	1@104	18.01	18.56	21.30	19.20	0.0833

256 QAM										
77	30	40	664000	3960	CP-OFDM QPSK	53@26	23.18	23.13	26.17	24.07 0.2550
77	30	40	664000	3960	CP-OFDM QPSK	1@1	23.2	23.1	26.16	24.06 0.2547
77	30	40	664000	3960	CP-OFDM QPSK	1@104	23.33	23.23	26.29	24.19 0.2625
77	30	40	664000	3960	CP-OFDM 16 QAM	53@26	22.67	22.57	25.63	23.53 0.2255
77	30	40	664000	3960	CP-OFDM 16 QAM	1@1	22.68	22.63	25.67	23.57 0.2273
77	30	40	664000	3960	CP-OFDM 16 QAM	1@104	22.85	22.75	25.81	23.71 0.2350
77	30	40	664000	3960	CP-OFDM 64 QAM	53@26	21.12	21.09	24.12	22.02 0.1590
77	30	40	664000	3960	CP-OFDM 64 QAM	1@1	21.4	20.89	24.16	22.06 0.1608
77	30	40	664000	3960	CP-OFDM 64 QAM	1@104	21.44	21.02	24.25	22.15 0.1639
77	30	40	664000	3960	CP-OFDM 256 QAM	53@26	18.16	18.04	21.11	19.01 0.0796
77	30	40	664000	3960	CP-OFDM 256 QAM	1@1	18.13	18.3	21.23	19.13 0.0818
77	30	40	664000	3960	CP-OFDM 256 QAM	1@104	18.23	18.38	21.32	19.22 0.0835
77	30	50	6483343725.01		CP-OFDM QPSK	67@33	22.99	23.14	26.08	23.98 0.2498
77	30	50	6483343725.01		CP-OFDM QPSK	1@1	23.05	22.99	26.03	23.93 0.2472
77	30	50	6483343725.01		CP-OFDM QPSK	1@131	22.73	22.99	25.87	23.77 0.2384
77	30	50	6483343725.01		CP-OFDM 16 QAM	67@33	22.51	22.66	25.60	23.50 0.2237
77	30	50	6483343725.01		CP-OFDM 16 QAM	1@1	22.69	22.48	25.60	23.50 0.2237
77	30	50	6483343725.01		CP-OFDM 16 QAM	1@131	22.31	22.49	25.41	23.31 0.2143
77	30	50	6483343725.01		CP-OFDM 64 QAM	67@33	21	21.13	24.08	21.98 0.1576
77	30	50	6483343725.01		CP-OFDM 64 QAM	1@1	21.09	20.85	23.98	21.88 0.1542
77	30	50	6483343725.01		CP-OFDM 64 QAM	1@131	20.78	20.87	23.84	21.74 0.1491

77	30	50	6483343725.01	CP-OFDM 256 QAM	67@33	17.98	18.08	21.04	18.94	0.0784
77	30	50	6483343725.01	CP-OFDM 256 QAM	1@1	18.02	18.19	21.12	19.02	0.0797
77	30	50	6483343725.01	CP-OFDM 256 QAM	1@131	17.64	18.14	20.91	18.81	0.0760
77	30	50	656000 3840	CP-OFDM QPSK	67@33	22.91	23.23	26.08	23.98	0.2502
77	30	50	656000 3840	CP-OFDM QPSK	1@1	22.85	23.15	26.01	23.91	0.2462
77	30	50	656000 3840	CP-OFDM QPSK	1@131	22.9	23.29	26.11	24.01	0.2517
77	30	50	656000 3840	CP-OFDM 16 QAM	67@33	22.43	22.83	25.64	23.54	0.2262
77	30	50	656000 3840	CP-OFDM 16 QAM	1@1	22.34	22.61	25.49	23.39	0.2181
77	30	50	656000 3840	CP-OFDM 16 QAM	1@131	22.35	22.77	25.58	23.48	0.2226
77	30	50	656000 3840	CP-OFDM 64 QAM	67@33	20.87	21.29	24.10	22.00	0.1583
77	30	50	656000 3840	CP-OFDM 64 QAM	1@1	20.91	20.92	23.93	21.83	0.1522
77	30	50	656000 3840	CP-OFDM 64 QAM	1@131	20.97	21.09	24.04	21.94	0.1563
77	30	50	656000 3840	CP-OFDM 256 QAM	67@33	17.86	18.25	21.07	18.97	0.0789
77	30	50	656000 3840	CP-OFDM 256 QAM	1@1	17.79	18.38	21.11	19.01	0.0795
77	30	50	656000 3840	CP-OFDM 256 QAM	1@131	17.81	18.43	21.14	19.04	0.0802
77	30	50	6636663954.99	CP-OFDM QPSK	67@33	22.92	22.97	25.96	23.86	0.2430
77	30	50	6636663954.99	CP-OFDM QPSK	1@1	22.95	22.98	25.98	23.88	0.2441
77	30	50	6636663954.99	CP-OFDM QPSK	1@131	23	23.05	26.04	23.94	0.2475
77	30	50	6636663954.99	CP-OFDM 16 QAM	67@33	22.49	22.5	25.51	23.41	0.2190
77	30	50	6636663954.99	CP-OFDM 16 QAM	1@1	22.49	22.52	25.52	23.42	0.2195
77	30	50	6636663954.99	CP-OFDM 16 QAM	1@131	22.55	22.57	25.57	23.47	0.2223
77	30	50	6636663954.99	CP-OFDM	67@33	20.93	20.98	23.97	21.87	0.1537

64 QAM										
77	30	50	6636663954.99	CP-OFDM 64 QAM	1@1	21.08	20.73	23.92	21.82	0.1520
77	30	50	6636663954.99	CP-OFDM 64 QAM	1@131	21.09	20.8	23.96	21.86	0.1534
77	30	50	6636663954.99	CP-OFDM 256 QAM	67@33	17.94	17.97	20.97	18.87	0.0770
77	30	50	6636663954.99	CP-OFDM 256 QAM	1@1	17.93	18.16	21.06	18.96	0.0786
77	30	50	6636663954.99	CP-OFDM 256 QAM	1@131	17.96	18.22	21.10	19.00	0.0795
77	30	60	6486683730.02	CP-OFDM QPSK	81@40	22.93	23.08	26.02	23.92	0.2464
77	30	60	6486683730.02	CP-OFDM QPSK	1@1	23.07	23.05	26.07	23.97	0.2495
77	30	60	6486683730.02	CP-OFDM QPSK	1@160	22.71	23.04	25.89	23.79	0.2392
77	30	60	6486683730.02	CP-OFDM 16 QAM	81@40	22.4	22.59	25.51	23.41	0.2191
77	30	60	6486683730.02	CP-OFDM 16 QAM	1@1	22.75	22.52	25.65	23.55	0.2263
77	30	60	6486683730.02	CP-OFDM 16 QAM	1@160	22.38	22.56	25.48	23.38	0.2178
77	30	60	6486683730.02	CP-OFDM 64 QAM	81@40	20.96	21.11	24.05	21.95	0.1565
77	30	60	6486683730.02	CP-OFDM 64 QAM	1@1	21.08	20.79	23.95	21.85	0.1530
77	30	60	6486683730.02	CP-OFDM 64 QAM	1@160	20.74	20.78	23.77	21.67	0.1469
77	30	60	6486683730.02	CP-OFDM 256 QAM	81@40	17.94	18.04	21.00	18.90	0.0776
77	30	60	6486683730.02	CP-OFDM 256 QAM	1@1	18.01	18.14	21.09	18.99	0.0792
77	30	60	6486683730.02	CP-OFDM 256 QAM	1@160	17.67	18.2	20.95	18.85	0.0768
77	30	60	656000 3840	CP-OFDM QPSK	81@40	22.9	23.29	26.11	24.01	0.2517
77	30	60	656000 3840	CP-OFDM QPSK	1@1	22.73	23.22	25.99	23.89	0.2450
77	30	60	656000 3840	CP-OFDM QPSK	1@160	22.75	23.14	25.96	23.86	0.2432
77	30	60	656000 3840	CP-OFDM 16 QAM	81@40	22.36	22.81	25.60	23.50	0.2239

77	30	60	656000	3840	CP-OFDM 16 QAM	1@1	22.31	22.64	25.49	23.39	0.2182
77	30	60	656000	3840	CP-OFDM 16 QAM	1@160	22.51	22.63	25.58	23.48	0.2229
77	30	60	656000	3840	CP-OFDM 64 QAM	81@40	20.91	21.26	24.10	22.00	0.1584
77	30	60	656000	3840	CP-OFDM 64 QAM	1@1	20.81	21.02	23.93	21.83	0.1523
77	30	60	656000	3840	CP-OFDM 64 QAM	1@160	21.03	20.99	24.02	21.92	0.1556
77	30	60	656000	3840	CP-OFDM 256 QAM	81@40	17.9	18.27	21.10	19.00	0.0794
77	30	60	656000	3840	CP-OFDM 256 QAM	1@1	17.99	18.37	21.19	19.09	0.0812
77	30	60	656000	3840	CP-OFDM 256 QAM	1@160	17.81	18.33	21.09	18.99	0.0792
77	30	60	6633323949.98		CP-OFDM QPSK	81@40	22.91	22.97	25.95	23.85	0.2427
77	30	60	6633323949.98		CP-OFDM QPSK	1@1	22.74	23.07	25.92	23.82	0.2409
77	30	60	6633323949.98		CP-OFDM QPSK	1@160	22.75	23.07	25.92	23.82	0.2412
77	30	60	6633323949.98		CP-OFDM 16 QAM	81@40	22.32	22.54	25.44	23.34	0.2159
77	30	60	6633323949.98		CP-OFDM 16 QAM	1@1	22.53	22.58	25.57	23.47	0.2221
77	30	60	6633323949.98		CP-OFDM 16 QAM	1@160	22.48	22.61	25.56	23.46	0.2216
77	30	60	6633323949.98		CP-OFDM 64 QAM	81@40	20.86	21.02	23.95	21.85	0.1531
77	30	60	6633323949.98		CP-OFDM 64 QAM	1@1	20.88	20.87	23.89	21.79	0.1508
77	30	60	6633323949.98		CP-OFDM 64 QAM	1@160	20.9	20.88	23.90	21.80	0.1514
77	30	60	6633323949.98		CP-OFDM 256 QAM	81@40	17.91	17.99	20.96	18.86	0.0769
77	30	60	6633323949.98		CP-OFDM 256 QAM	1@1	17.78	18.24	21.03	18.93	0.0781
77	30	60	6633323949.98		CP-OFDM 256 QAM	1@160	17.77	18.24	21.02	18.92	0.0780
77	30	70	649000	3735	CP-OFDM QPSK	95@47	23.24	23.05	26.16	24.06	0.2545
77	30	70	649000	3735	CP-OFDM	1@1	22.85	22.99	25.93	23.83	0.2416

QPSK										
77	30	70	649000	3735	CP-OFDM QPSK	1@187	22.89	23.06	25.99	23.89 0.2447
77	30	70	649000	3735	CP-OFDM 16 QAM	95@47	22.23	22.52	25.39	23.29 0.2132
77	30	70	649000	3735	CP-OFDM 16 QAM	1@1	22.52	22.35	25.45	23.35 0.2161
77	30	70	649000	3735	CP-OFDM 16 QAM	1@187	22.11	22.38	25.26	23.16 0.2069
77	30	70	649000	3735	CP-OFDM 64 QAM	95@47	20.83	20.98	23.92	21.82 0.1519
77	30	70	649000	3735	CP-OFDM 64 QAM	1@1	20.96	20.72	23.85	21.75 0.1497
77	30	70	649000	3735	CP-OFDM 64 QAM	1@187	20.56	20.72	23.65	21.55 0.1429
77	30	70	649000	3735	CP-OFDM 256 QAM	95@47	17.79	18	20.91	18.81 0.0760
77	30	70	649000	3735	CP-OFDM 256 QAM	1@1	17.88	18.08	20.99	18.89 0.0775
77	30	70	649000	3735	CP-OFDM 256 QAM	1@187	17.49	18.04	20.78	18.68 0.0739
77	30	70	656000	3840	CP-OFDM QPSK	95@47	23.08	23.18	26.14	24.04 0.2535
77	30	70	656000	3840	CP-OFDM QPSK	1@1	22.62	23.02	25.83	23.73 0.2363
77	30	70	656000	3840	CP-OFDM QPSK	1@187	22.75	23.17	25.98	23.88 0.2441
77	30	70	656000	3840	CP-OFDM 16 QAM	95@47	22.52	22.71	25.63	23.53 0.2252
77	30	70	656000	3840	CP-OFDM 16 QAM	1@1	22.23	22.53	25.39	23.29 0.2134
77	30	70	656000	3840	CP-OFDM 16 QAM	1@187	22.35	22.4	25.39	23.29 0.2131
77	30	70	656000	3840	CP-OFDM 64 QAM	95@47	20.83	21.16	24.01	21.91 0.1552
77	30	70	656000	3840	CP-OFDM 64 QAM	1@1	20.76	20.73	23.76	21.66 0.1464
77	30	70	656000	3840	CP-OFDM 64 QAM	1@187	20.85	20.67	23.77	21.67 0.1469
77	30	70	656000	3840	CP-OFDM 256 QAM	95@47	17.78	18.17	20.99	18.89 0.0774
77	30	70	656000	3840	CP-OFDM 256 QAM	1@1	17.89	18.28	21.10	19.00 0.0794

77	30	70	656000	3840	CP-OFDM 256 QAM	1@187	17.63	18.17	20.92	18.82	0.0762
77	30	70	663000	3945	CP-OFDM QPSK	95@47	22.85	23.04	25.96	23.86	0.2430
77	30	70	663000	3945	CP-OFDM QPSK	1@1	22.69	23.01	25.86	23.76	0.2379
77	30	70	663000	3945	CP-OFDM QPSK	1@187	22.86	23.02	25.95	23.85	0.2427
77	30	70	663000	3945	CP-OFDM 16 QAM	95@47	22.21	22.61	25.42	23.32	0.2150
77	30	70	663000	3945	CP-OFDM 16 QAM	1@1	22.35	22.36	25.37	23.27	0.2121
77	30	70	663000	3945	CP-OFDM 16 QAM	1@187	22.34	22.41	25.39	23.29	0.2131
77	30	70	663000	3945	CP-OFDM 64 QAM	95@47	21.01	21	24.02	21.92	0.1554
77	30	70	663000	3945	CP-OFDM 64 QAM	1@1	20.77	20.79	23.79	21.69	0.1476
77	30	70	663000	3945	CP-OFDM 64 QAM	1@187	20.72	20.73	23.74	21.64	0.1457
77	30	70	663000	3945	CP-OFDM 256 QAM	95@47	17.8	17.97	20.90	18.80	0.0758
77	30	70	663000	3945	CP-OFDM 256 QAM	1@1	17.71	18.15	20.95	18.85	0.0767
77	30	70	663000	3945	CP-OFDM 256 QAM	1@187	17.66	18.11	20.90	18.80	0.0759
77	30	80	6493343740.01		CP-OFDM QPSK	109@54	22.71	22.96	25.85	23.75	0.2370
77	30	80	6493343740.01		CP-OFDM QPSK	1@1	22.91	22.88	25.91	23.81	0.2402
77	30	80	6493343740.01		CP-OFDM QPSK	1@215	22.48	23.04	25.78	23.68	0.2333
77	30	80	6493343740.01		CP-OFDM 16 QAM	109@54	22.2	22.52	25.37	23.27	0.2125
77	30	80	6493343740.01		CP-OFDM 16 QAM	1@1	22.39	22.25	25.33	23.23	0.2104
77	30	80	6493343740.01		CP-OFDM 16 QAM	1@215	22.02	22.44	25.25	23.15	0.2063
77	30	80	6493343740.01		CP-OFDM 64 QAM	109@54	20.74	20.97	23.87	21.77	0.1502
77	30	80	6493343740.01		CP-OFDM 64 QAM	1@1	20.84	20.67	23.77	21.67	0.1468
77	30	80	6493343740.01		CP-OFDM	1@215	20.45	20.81	23.64	21.54	0.1427

64 QAM										
77	30	80	6493343740.01	CP-OFDM 256 QAM	109@54	17.69	17.96	20.84	18.74	0.0748
77	30	80	6493343740.01	CP-OFDM 256 QAM	1@1	17.8	18.04	20.93	18.83	0.0764
77	30	80	6493343740.01	CP-OFDM 256 QAM	1@215	18.52	18.13	21.34	19.24	0.0839
77	30	80	656000 3840	CP-OFDM QPSK	109@54	22.73	23.14	25.95	23.85	0.2427
77	30	80	656000 3840	CP-OFDM QPSK	1@1	22.61	23.1	25.87	23.77	0.2384
77	30	80	656000 3840	CP-OFDM QPSK	1@215	22.82	23.02	25.93	23.83	0.2416
77	30	80	656000 3840	CP-OFDM 16 QAM	109@54	22.25	22.72	25.50	23.40	0.2189
77	30	80	656000 3840	CP-OFDM 16 QAM	1@1	22.12	22.53	25.34	23.24	0.2109
77	30	80	656000 3840	CP-OFDM 16 QAM	1@215	22.41	22.49	25.46	23.36	0.2168
77	30	80	656000 3840	CP-OFDM 64 QAM	109@54	20.79	21.13	23.97	21.87	0.1539
77	30	80	656000 3840	CP-OFDM 64 QAM	1@1	20.67	20.97	23.83	21.73	0.1490
77	30	80	656000 3840	CP-OFDM 64 QAM	1@215	20.73	20.79	23.77	21.67	0.1469
77	30	80	656000 3840	CP-OFDM 256 QAM	109@54	17.73	18.13	20.94	18.84	0.0766
77	30	80	656000 3840	CP-OFDM 256 QAM	1@1	17.86	18.16	21.02	18.92	0.0780
77	30	80	656000 3840	CP-OFDM 256 QAM	1@215	17.61	18.14	20.89	18.79	0.0757
77	30	80	6626663939.99	CP-OFDM QPSK	109@54	22.74	22.91	25.84	23.74	0.2364
77	30	80	6626663939.99	CP-OFDM QPSK	1@1	22.63	22.88	25.77	23.67	0.2327
77	30	80	6626663939.99	CP-OFDM QPSK	1@215	22.61	22.96	25.80	23.70	0.2344
77	30	80	6626663939.99	CP-OFDM 16 QAM	109@54	22.23	22.48	25.37	23.27	0.2122
77	30	80	6626663939.99	CP-OFDM 16 QAM	1@1	22.18	22.42	25.31	23.21	0.2095
77	30	80	6626663939.99	CP-OFDM 16 QAM	1@215	22.17	22.42	25.31	23.21	0.2093

77	30	80	6626663939.99	CP-OFDM 64 QAM	109@54	20.77	20.92	23.86	21.76	0.1498
77	30	80	6626663939.99	CP-OFDM 64 QAM	1@1	20.84	20.57	23.72	21.62	0.1451
77	30	80	6626663939.99	CP-OFDM 64 QAM	1@215	20.71	20.64	23.69	21.59	0.1441
77	30	80	6626663939.99	CP-OFDM 256 QAM	109@54	17.7	17.9	20.81	18.71	0.0743
77	30	80	6626663939.99	CP-OFDM 256 QAM	1@1	17.61	18.05	20.85	18.75	0.0749
77	30	80	6626663939.99	CP-OFDM 256 QAM	1@215	17.56	18.05	20.82	18.72	0.0745
77	30	90	6496683745.02	CP-OFDM QPSK	123@61	22.71	22.99	25.86	23.76	0.2378
77	30	90	6496683745.02	CP-OFDM QPSK	1@1	22.83	22.91	25.88	23.78	0.2388
77	30	90	6496683745.02	CP-OFDM QPSK	1@243	22.38	22.52	25.46	23.36	0.2168
77	30	90	6496683745.02	CP-OFDM 16 QAM	123@61	22.14	22.57	25.37	23.27	0.2124
77	30	90	6496683745.02	CP-OFDM 16 QAM	1@1	22.39	22.36	25.39	23.29	0.2131
77	30	90	6496683745.02	CP-OFDM 16 QAM	1@243	22.23	22.59	25.42	23.32	0.2150
77	30	90	6496683745.02	CP-OFDM 64 QAM	123@61	20.7	21.03	23.88	21.78	0.1506
77	30	90	6496683745.02	CP-OFDM 64 QAM	1@1	20.87	20.7	23.80	21.70	0.1478
77	30	90	6496683745.02	CP-OFDM 64 QAM	1@243	20.56	21.04	23.82	21.72	0.1485
77	30	90	6496683745.02	CP-OFDM 256 QAM	123@61	17.65	18.01	20.84	18.74	0.0749
77	30	90	6496683745.02	CP-OFDM 256 QAM	1@1	17.76	18	20.89	18.79	0.0757
77	30	90	6496683745.02	CP-OFDM 256 QAM	1@243	17.89	18.27	21.09	18.99	0.0793
77	30	90	656000 3840	CP-OFDM QPSK	123@61	22.78	23.11	25.96	23.86	0.2431
77	30	90	656000 3840	CP-OFDM QPSK	1@1	22.59	23.07	25.85	23.75	0.2370
77	30	90	656000 3840	CP-OFDM QPSK	1@243	22.65	22.98	25.83	23.73	0.2360
77	30	90	656000 3840	CP-OFDM	123@61	22.24	22.69	25.48	23.38	0.2178

77	30	100	650000	3750	CP-OFDM QPSK	1@1	22.86	22.92	25.90	23.80	0.2399
77	30	100	650000	3750	CP-OFDM QPSK	1@271	22.89	23.16	26.04	23.94	0.2476
77	30	100	650000	3750	CP-OFDM 16 QAM	137@68	22.19	22.53	25.37	23.27	0.2125
77	30	100	650000	3750	CP-OFDM 16 QAM	1@1	22.42	22.32	25.38	23.28	0.2128
77	30	100	650000	3750	CP-OFDM 16 QAM	1@271	22.23	22.68	25.47	23.37	0.2173
77	30	100	650000	3750	CP-OFDM 64 QAM	137@68	20.67	21.03	23.86	21.76	0.1501
77	30	100	650000	3750	CP-OFDM 64 QAM	1@1	20.92	20.53	23.74	21.64	0.1459
77	30	100	650000	3750	CP-OFDM 64 QAM	1@271	20.46	20.96	23.73	21.63	0.1455
77	30	100	650000	3750	CP-OFDM 256 QAM	137@68	17.63	18	20.83	18.73	0.0746
77	30	100	650000	3750	CP-OFDM 256 QAM	1@1	17.74	17.98	20.87	18.77	0.0754
77	30	100	650000	3750	CP-OFDM 256 QAM	1@271	17.95	18.33	21.15	19.05	0.0804
77	30	100	656000	3840	CP-OFDM QPSK	137@68	22.71	23.09	25.91	23.81	0.2407
77	30	100	656000	3840	CP-OFDM QPSK	1@1	22.59	22.94	25.78	23.68	0.2333
77	30	100	656000	3840	CP-OFDM QPSK	1@271	22.7	22.98	25.85	23.75	0.2373
77	30	100	656000	3840	CP-OFDM 16 QAM	137@68	22.29	22.7	25.51	23.41	0.2193
77	30	100	656000	3840	CP-OFDM 16 QAM	1@1	22.12	22.4	25.27	23.17	0.2076
77	30	100	656000	3840	CP-OFDM 16 QAM	1@271	22.32	22.46	25.40	23.30	0.2138
77	30	100	656000	3840	CP-OFDM 64 QAM	137@68	20.76	21.17	23.98	21.88	0.1542
77	30	100	656000	3840	CP-OFDM 64 QAM	1@1	20.62	20.75	23.70	21.60	0.1444
77	30	100	656000	3840	CP-OFDM 64 QAM	1@271	20.71	20.86	23.80	21.70	0.1478
77	30	100	656000	3840	CP-OFDM 256 QAM	137@68	17.75	18.19	20.99	18.89	0.0774
77	30	100	656000	3840	CP-OFDM	1@1	17.57	18.07	20.84	18.74	0.0748

256 QAM										
77	30	100	656000	3840	CP-OFDM 256 QAM	1@271	17.66	18.21	20.95	18.85 0.0768
77	30	100	662000	3930	CP-OFDM QPSK	137@68	22.66	22.94	25.81	23.71 0.2351
77	30	100	662000	3930	CP-OFDM QPSK	1@1	22.52	22.99	25.77	23.67 0.2329
77	30	100	662000	3930	CP-OFDM QPSK	1@271	22.61	22.94	25.79	23.69 0.2338
77	30	100	662000	3930	CP-OFDM 16 QAM	137@68	22.21	22.46	25.35	23.25 0.2112
77	30	100	662000	3930	CP-OFDM 16 QAM	1@1	22.27	22.41	25.35	23.25 0.2114
77	30	100	662000	3930	CP-OFDM 16 QAM	1@271	22.23	22.41	25.33	23.23 0.2104
77	30	100	662000	3930	CP-OFDM 64 QAM	137@68	20.73	20.98	23.87	21.77 0.1502
77	30	100	662000	3930	CP-OFDM 64 QAM	1@1	20.64	20.73	23.70	21.60 0.1444
77	30	100	662000	3930	CP-OFDM 64 QAM	1@271	20.66	20.82	23.75	21.65 0.1463
77	30	100	662000	3930	CP-OFDM 256 QAM	137@68	17.72	17.95	20.85	18.75 0.0749
77	30	100	662000	3930	CP-OFDM 256 QAM	1@1	17.56	18.05	20.82	18.72 0.0745
77	30	100	662000	3930	CP-OFDM 256 QAM	1@271	17.86	18.17	21.03	18.93 0.0781

FR1 N77 MIMO-ANT7

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00608	PASS	NV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00502	PASS	LV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00642	PASS	HV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00328	PASS	-30°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00284	PASS	-20°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00222	PASS	-10°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00532	PASS	0°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00499	PASS	10°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00223	PASS	20°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00518	PASS	30°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00558	PASS	40°C
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.00036	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	647334	3710.01	CP-OFDM QPSK	51@0	9.67	13	PASS
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	9.48	13	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	9.73	13	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	9.19	13	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	51@0	9.61	13	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	1@0	8.64	13	PASS

N77(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



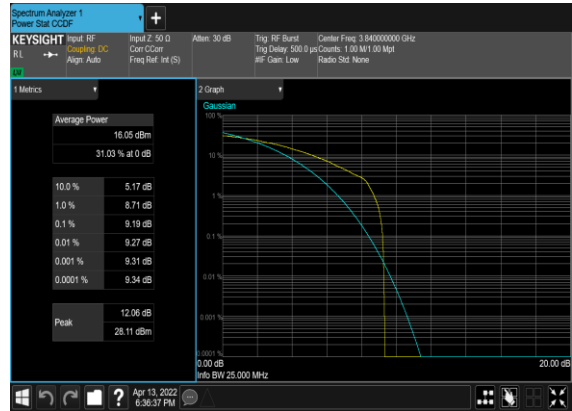
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



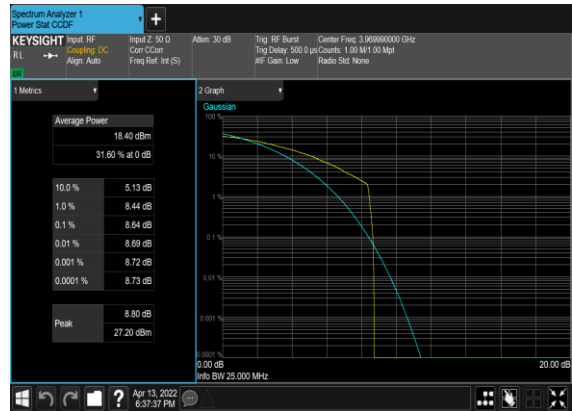
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



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	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.6243	10.26
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.6061	9.876
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5957	10.14
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.6043	9.753
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.596	15.21
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.589	15.44
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.643	14.99
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.59	14.68
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.189	20.29
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.192	20.1
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.169	19.6
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.187	19.65
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.897	34.46
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.887	29.43
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.793	29.71
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.851	29.35
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.937	42.58
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.861	39.82
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.828	39.79
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.845	39.2
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.526	49.46
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.536	49.38
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.49	49.31
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.474	49.48
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.858	60.26

77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.884	60.13
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.916	60.17
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.976	60.03
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.532	73.26
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.62	73.26
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.683	70.9
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.513	69.64
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.569	80.26
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.645	80.23
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.427	80.15
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.504	80.22
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.494	90.46
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.654	90.32
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.662	90.72
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.546	90.29
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.677	100.7
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.699	100.8
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.513	100.8
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.526	100.6

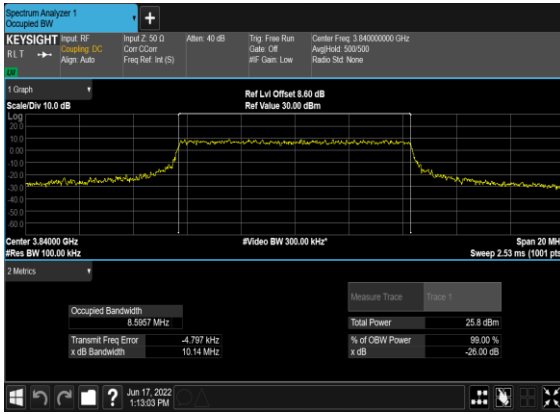
N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



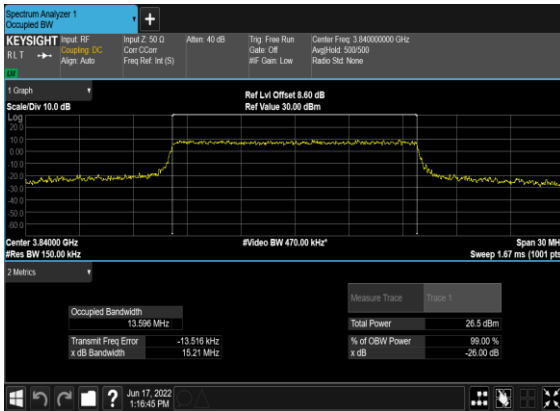
N77(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



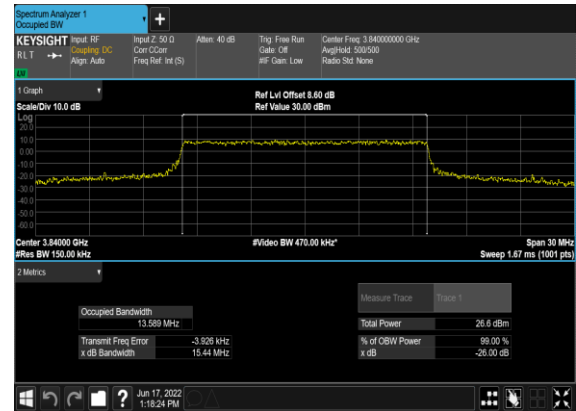
N77(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



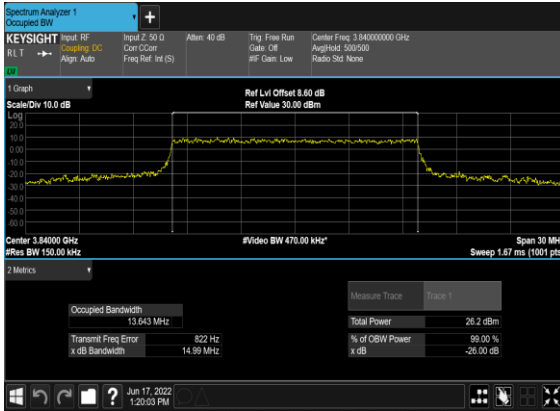
N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



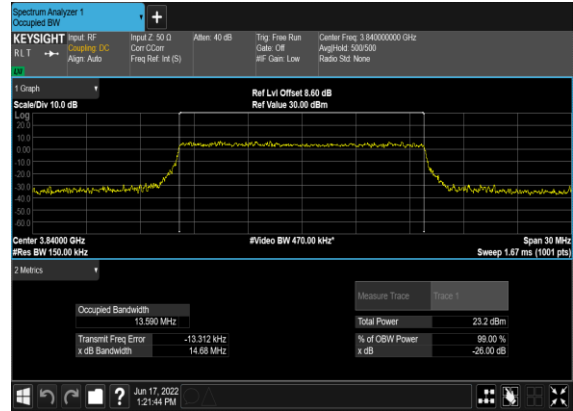
N77(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



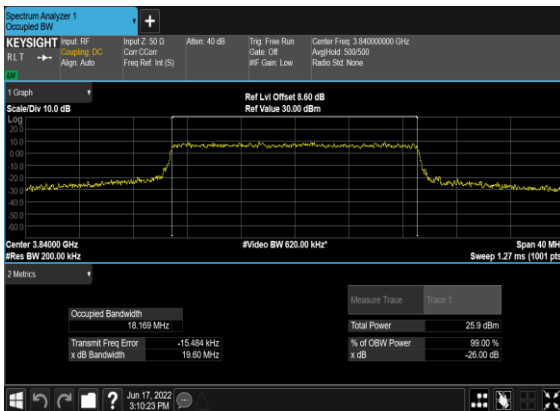
N77(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



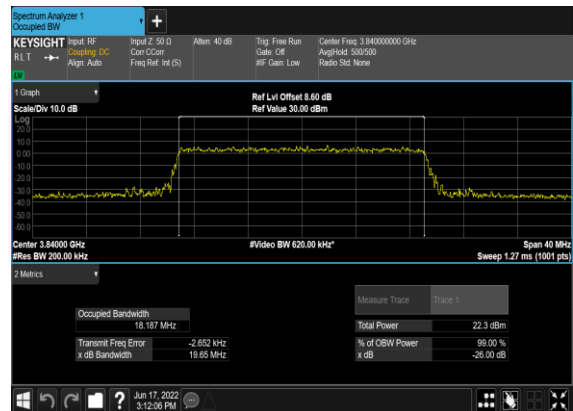
N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



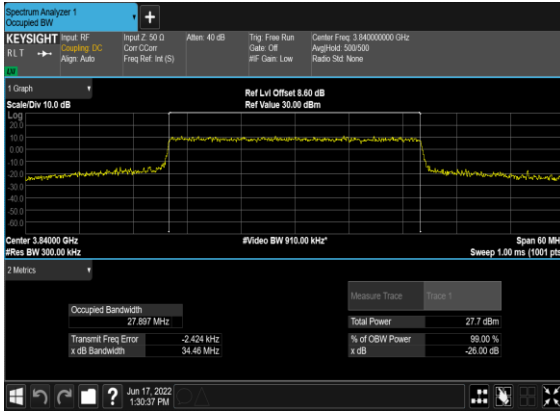
N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



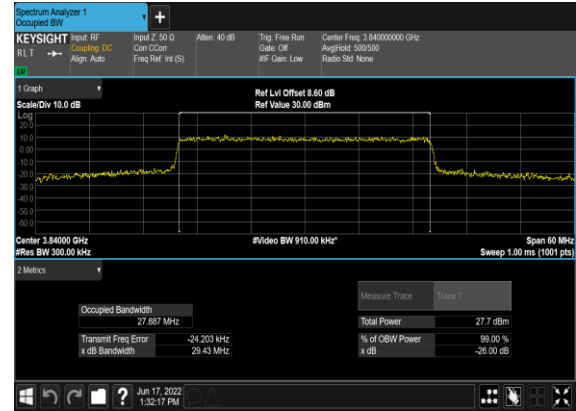
N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



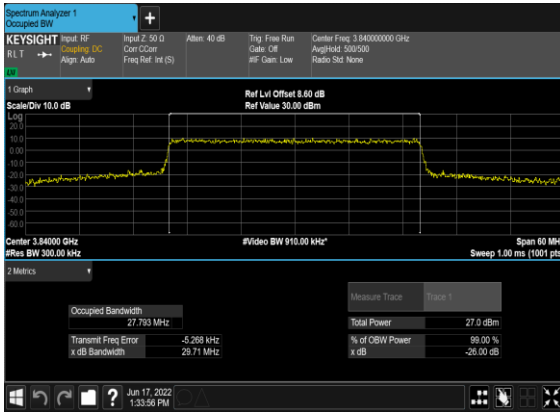
N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



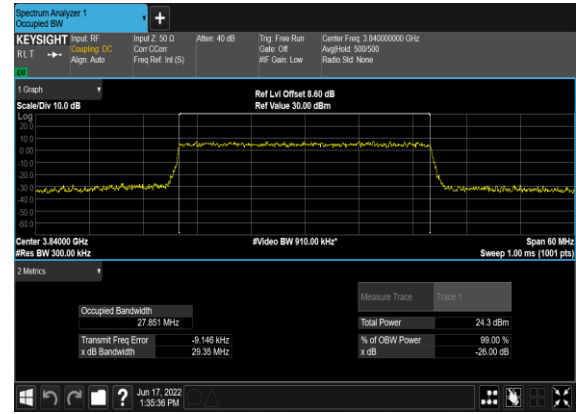
N77(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



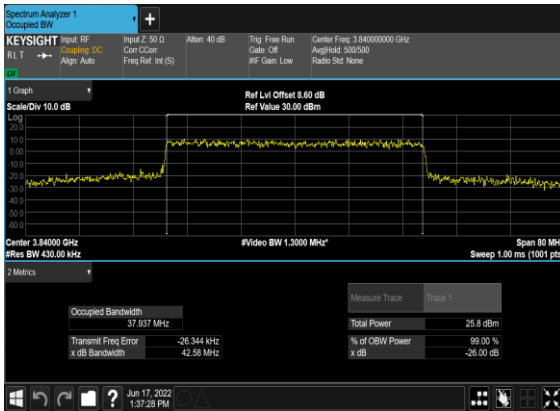
N77(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



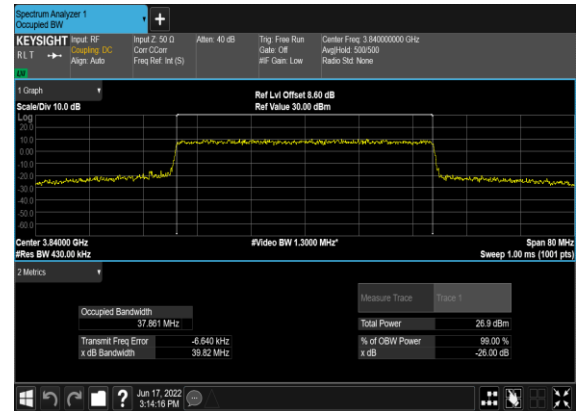
N77(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



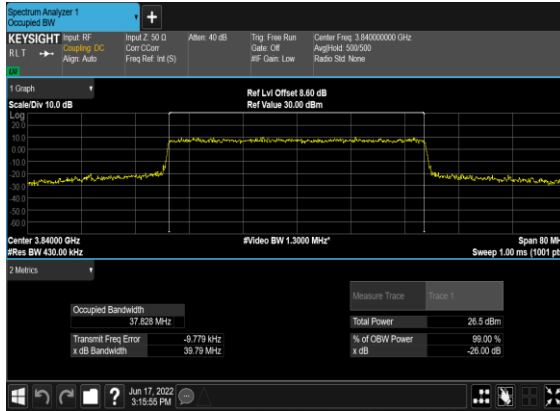
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



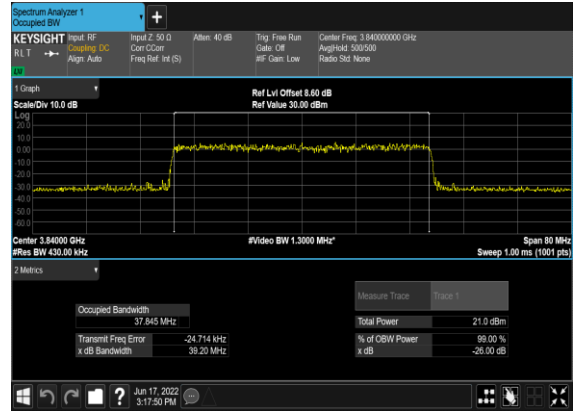
N77(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



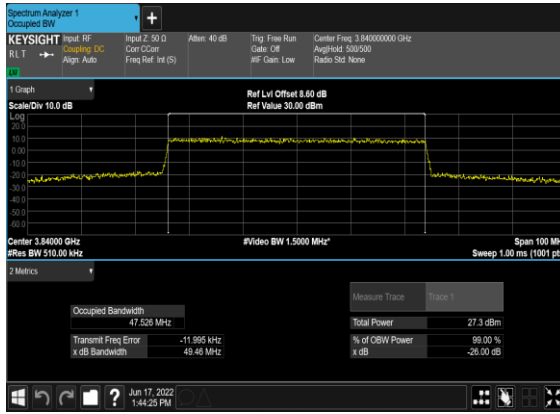
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



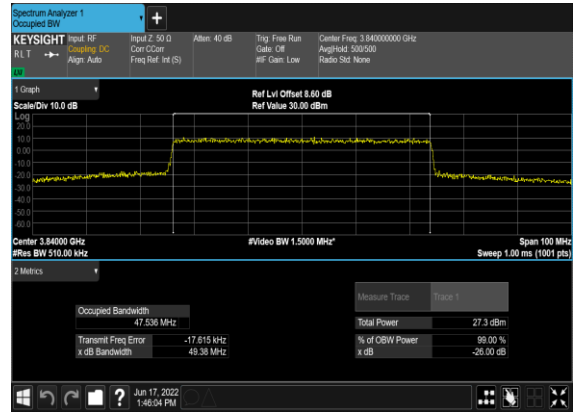
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



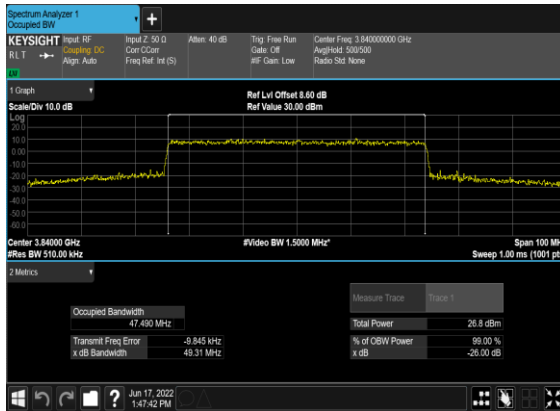
N77(50M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



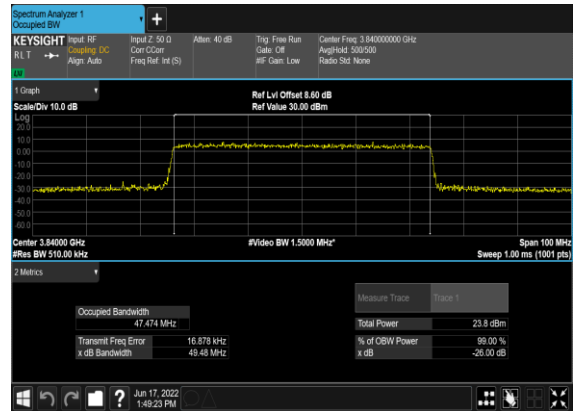
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



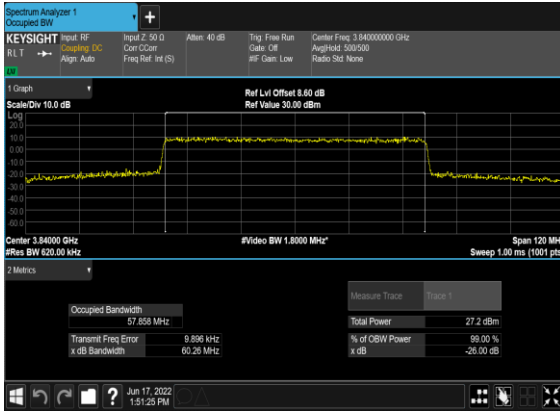
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



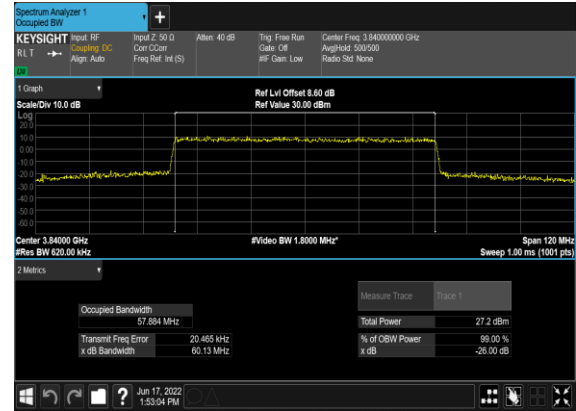
N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



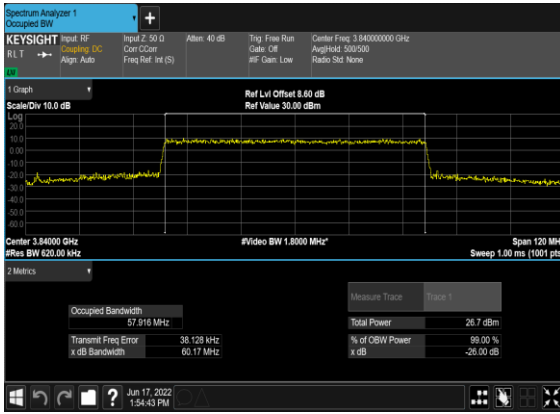
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



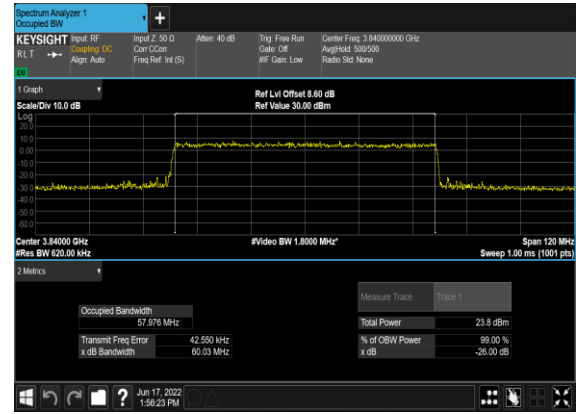
N77(60M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



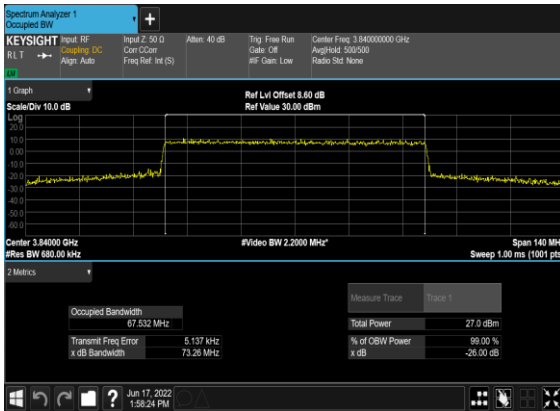
N77(60M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

