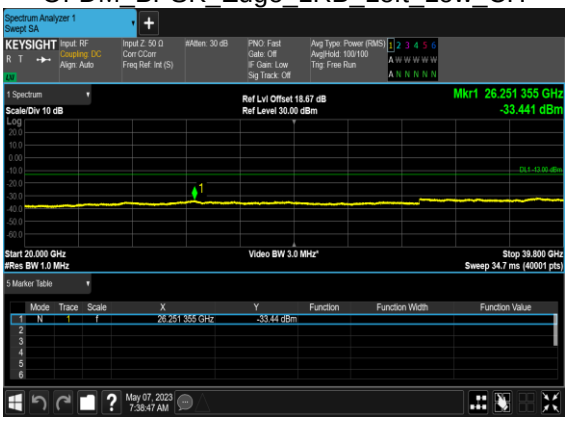
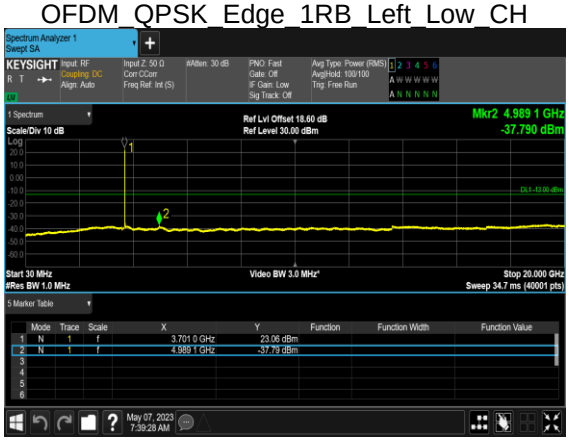
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

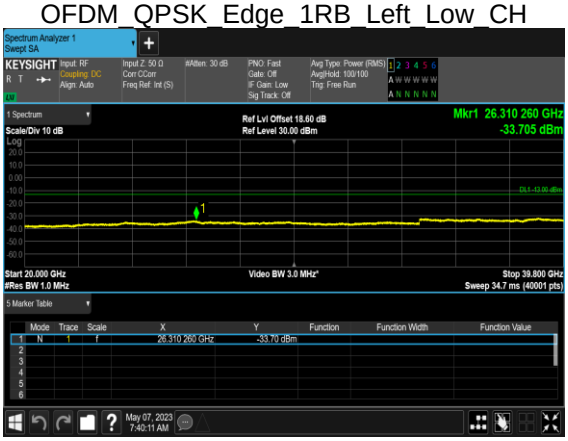
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



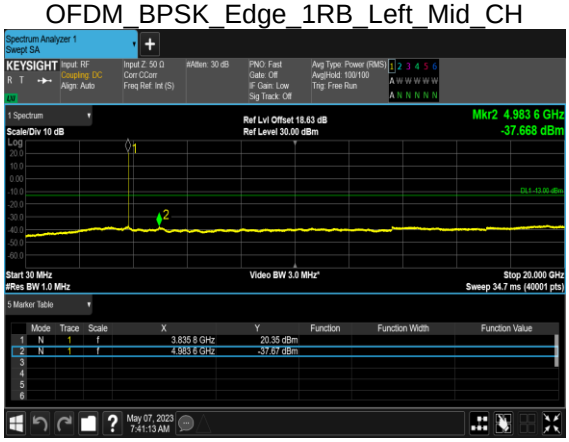
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



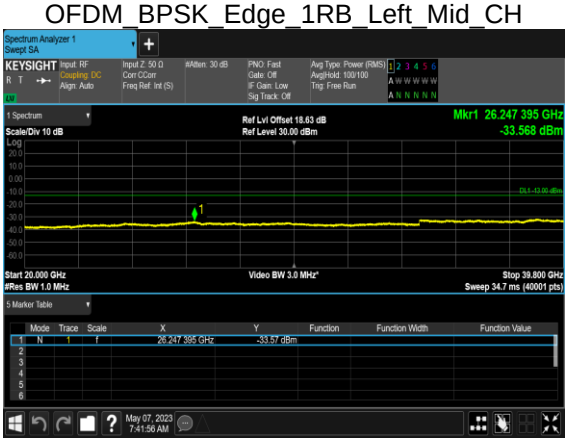
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

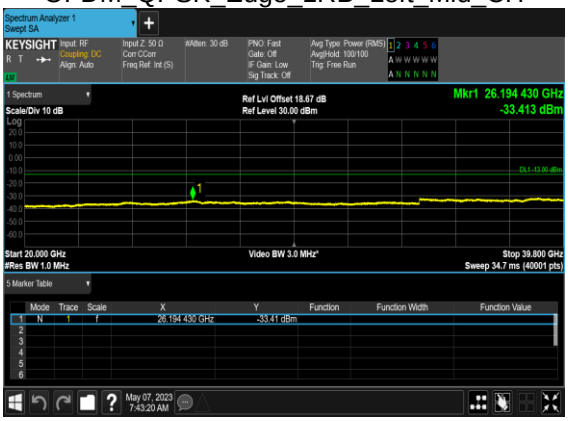


N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

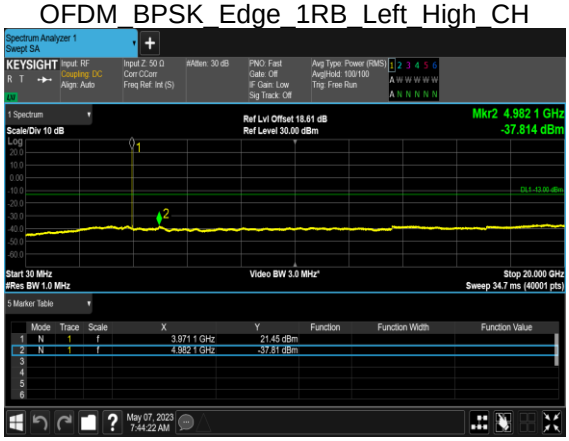


N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

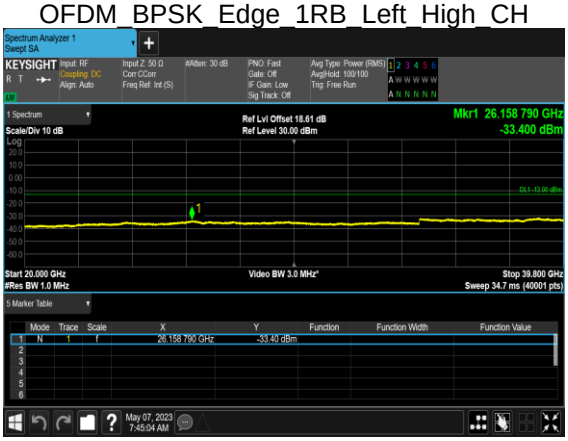
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



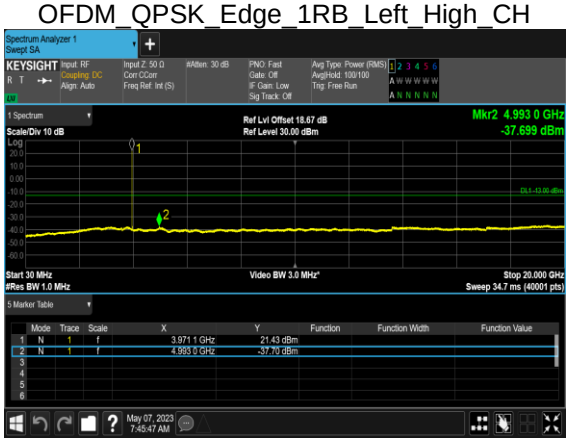
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



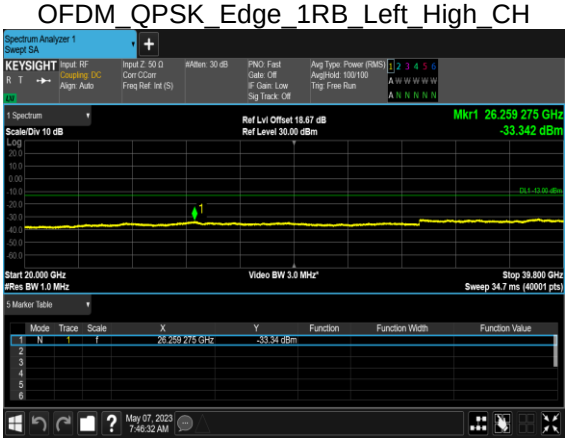
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

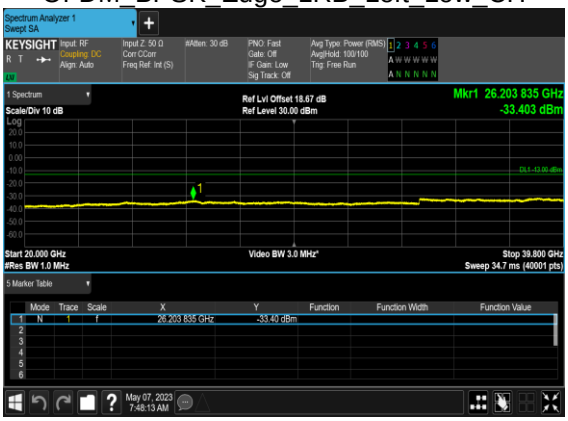


N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

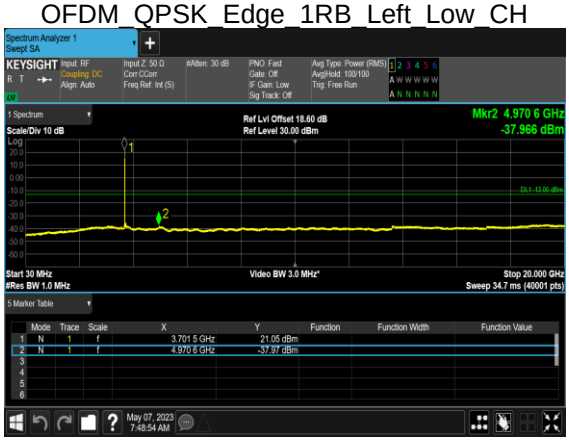


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

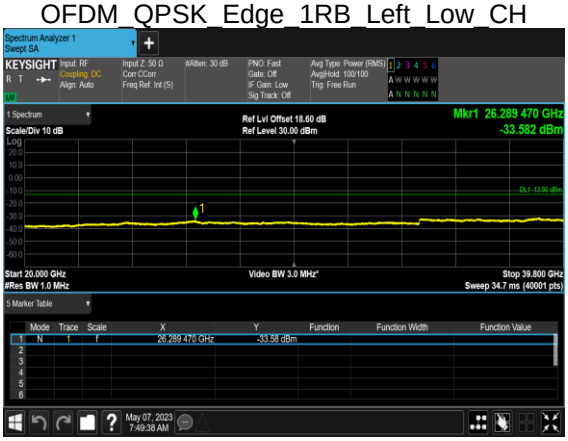
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



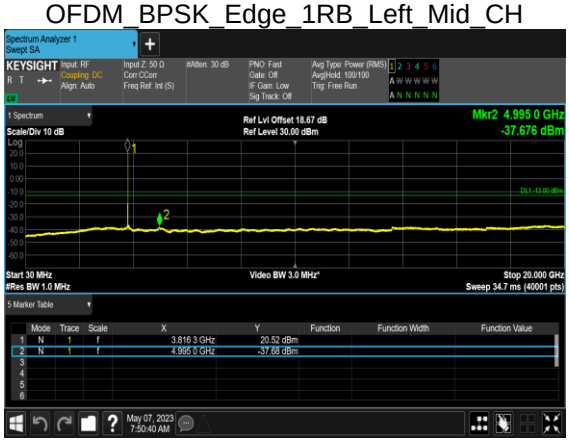
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



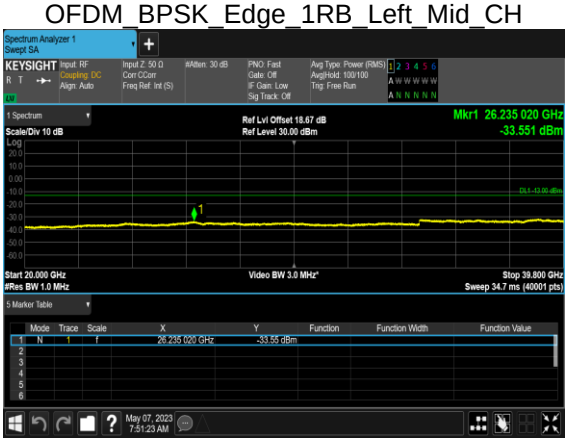
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



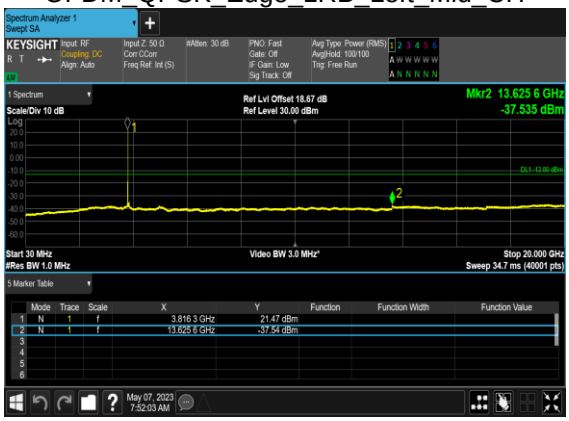
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



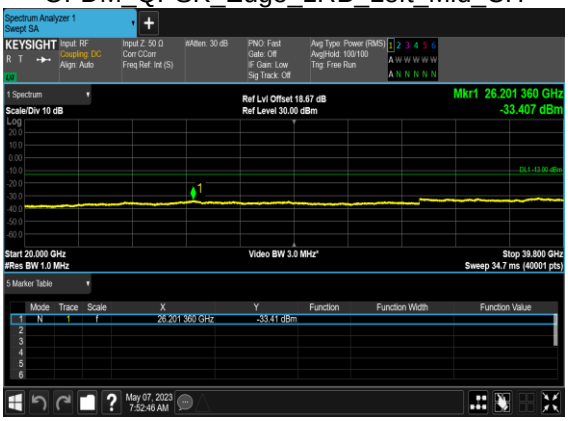
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



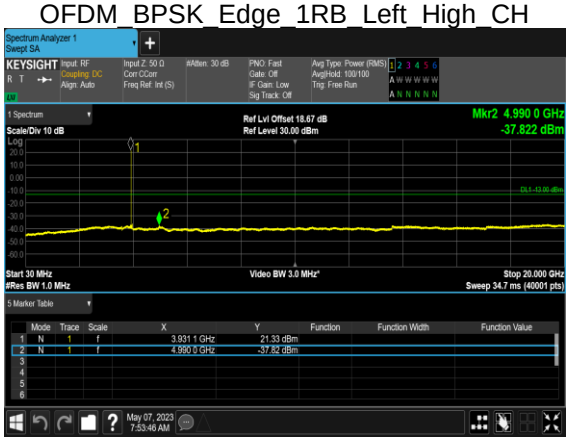
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



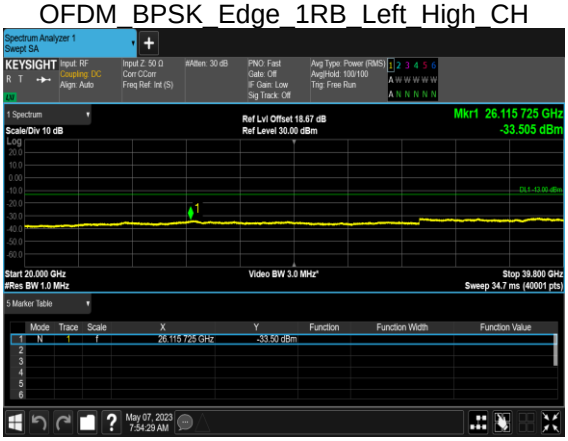
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



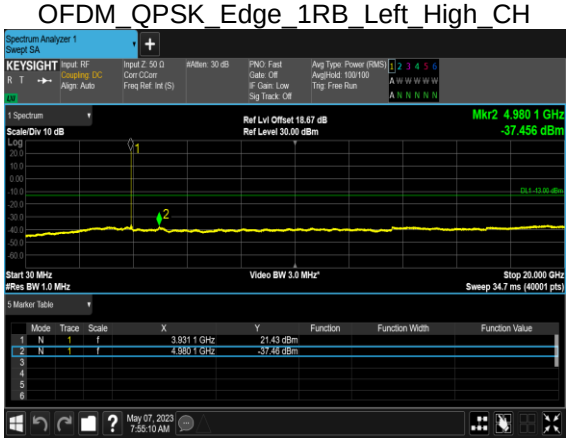
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



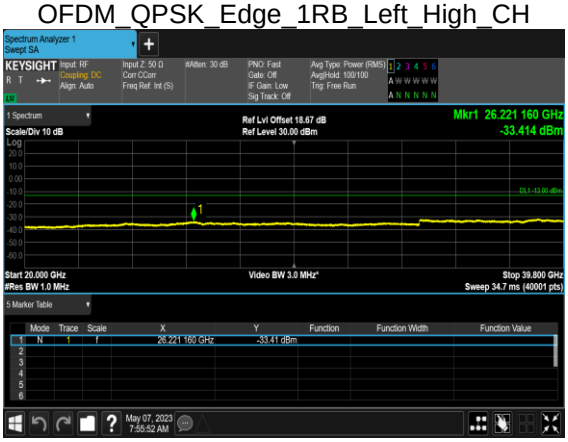
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

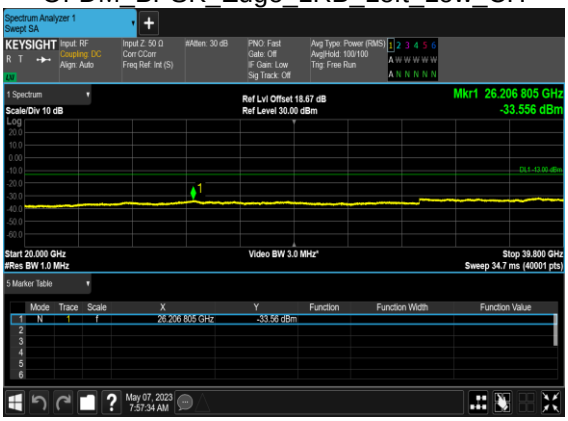


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

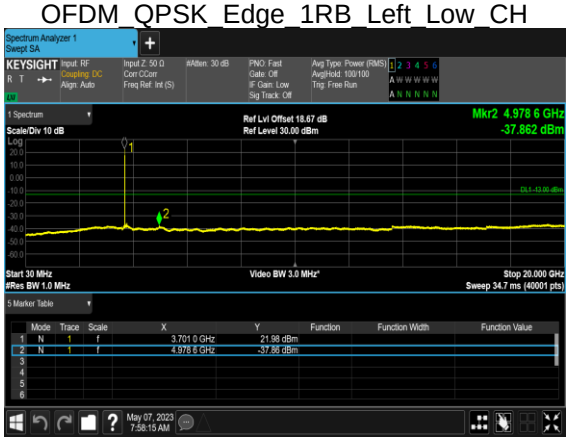


N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

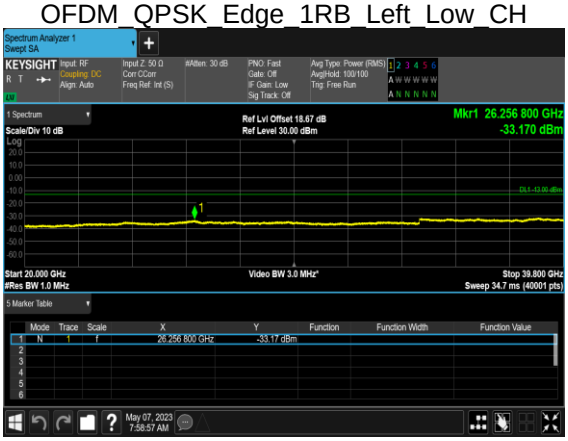
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



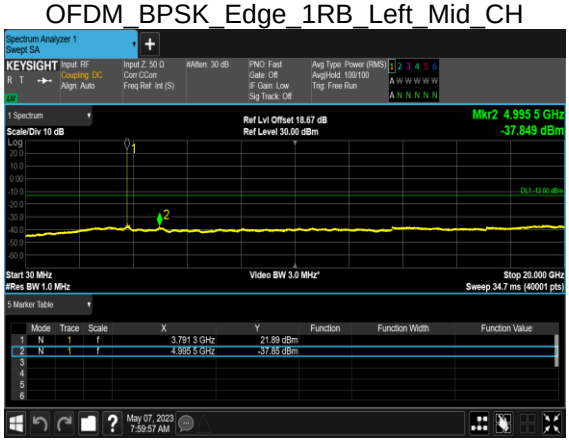
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



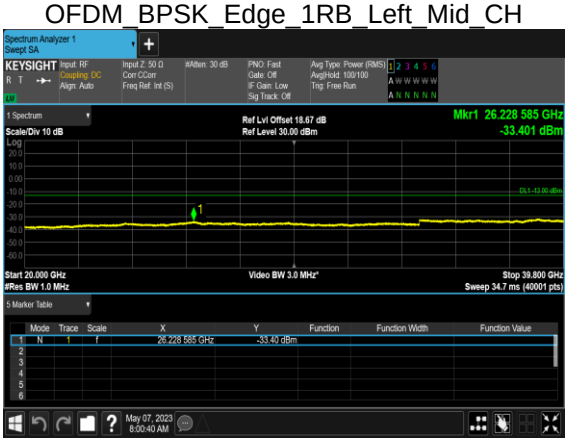
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

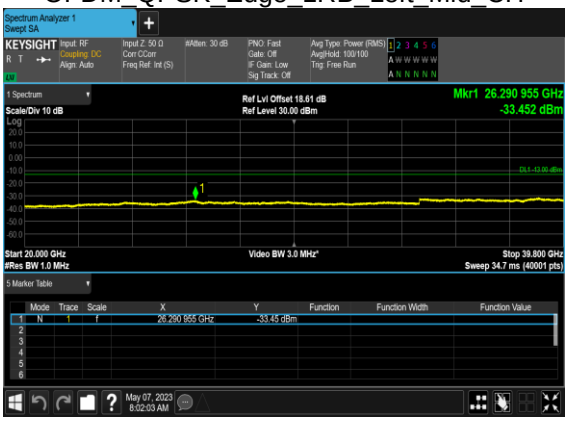


N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

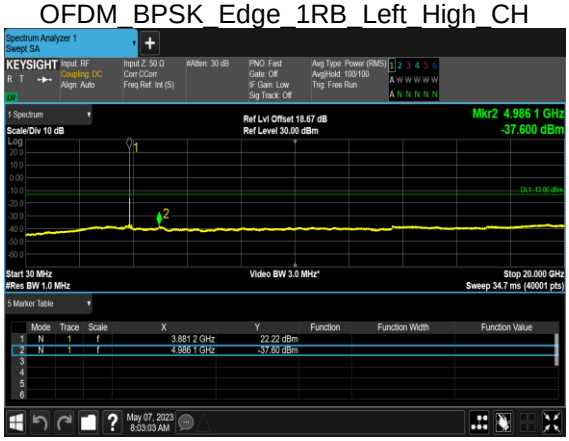


N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

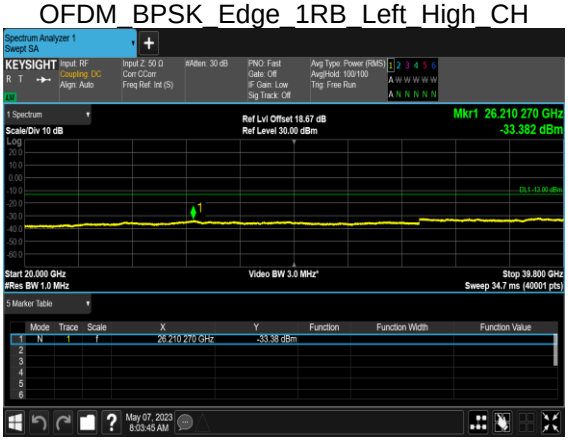
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



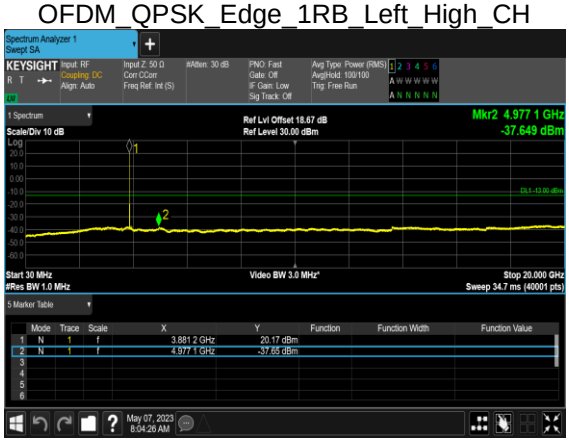
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



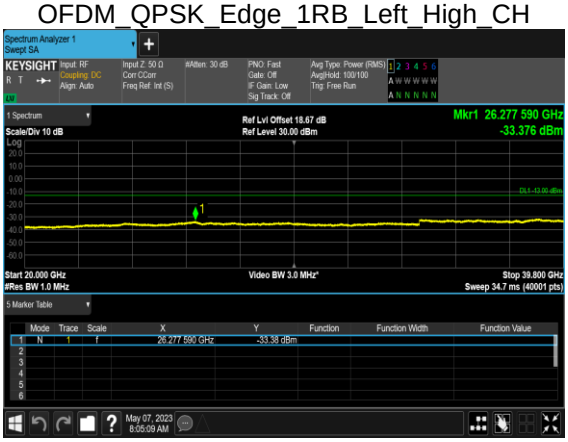
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



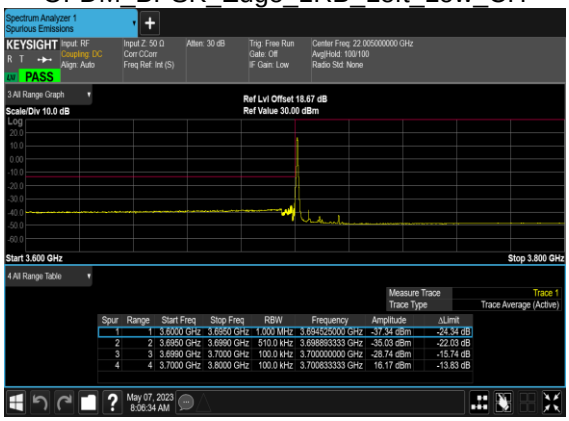
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



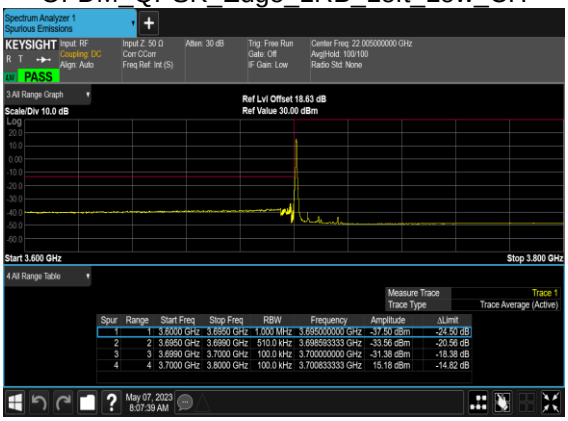
Conducted Band Edge

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**

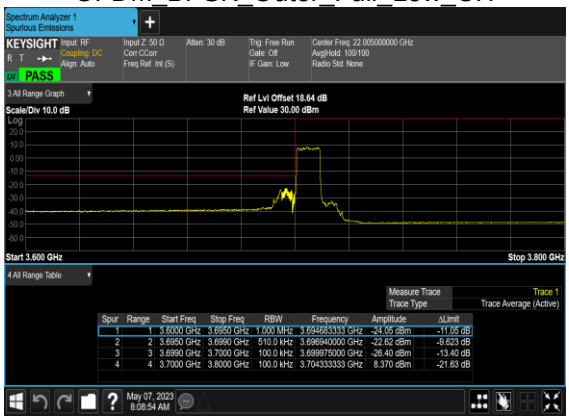
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



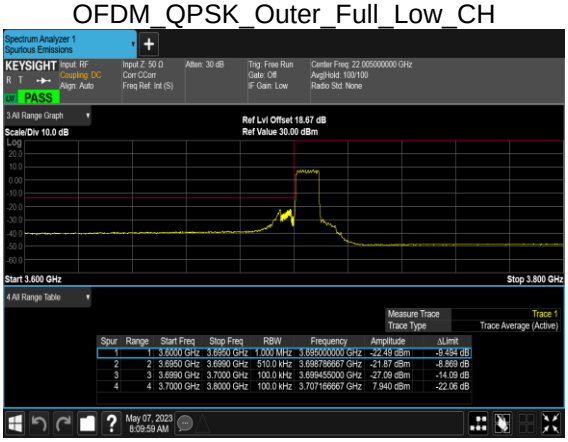
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



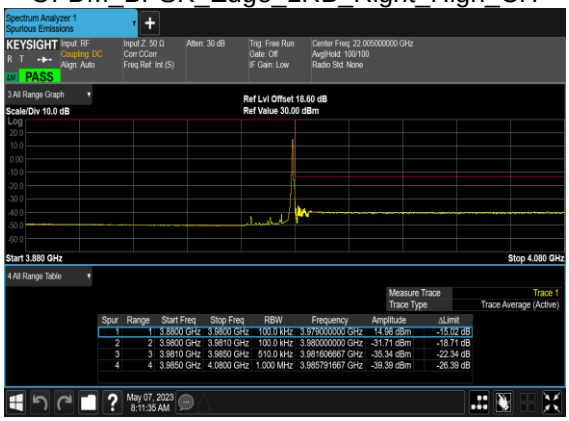
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



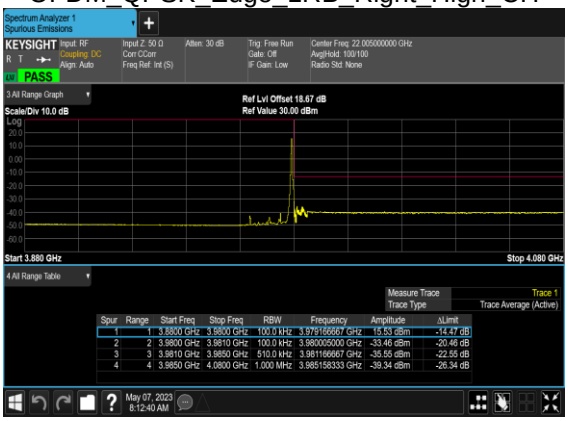
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



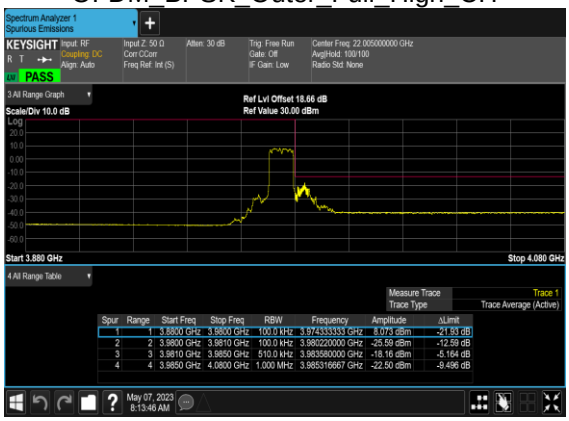
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



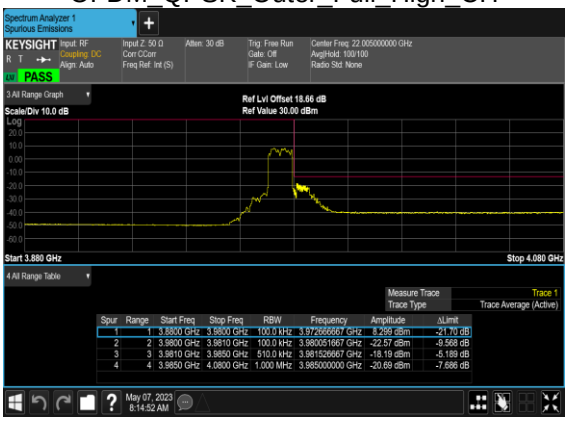
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



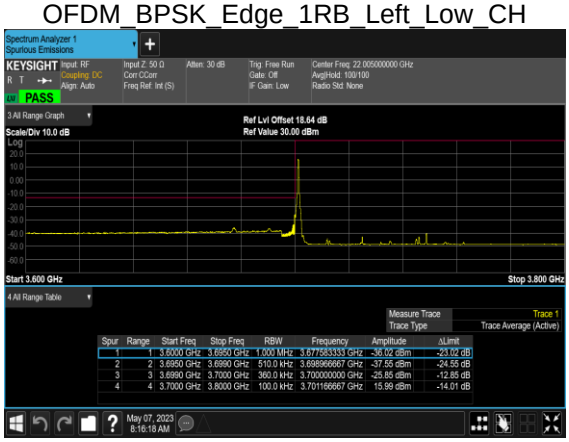
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



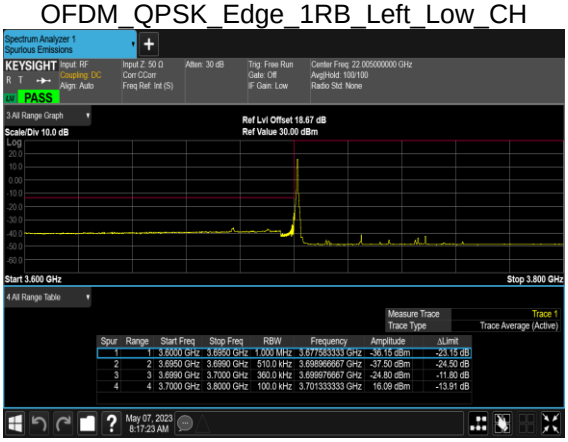
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



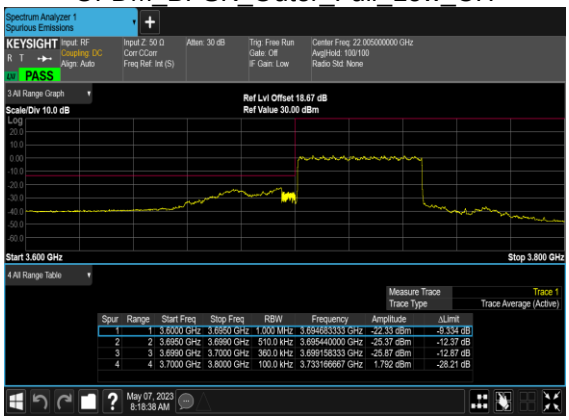
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



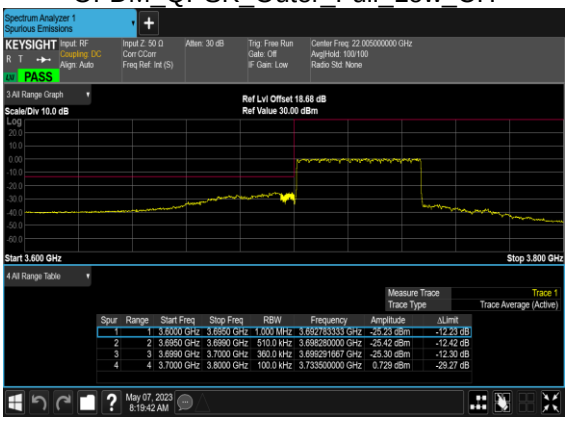
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



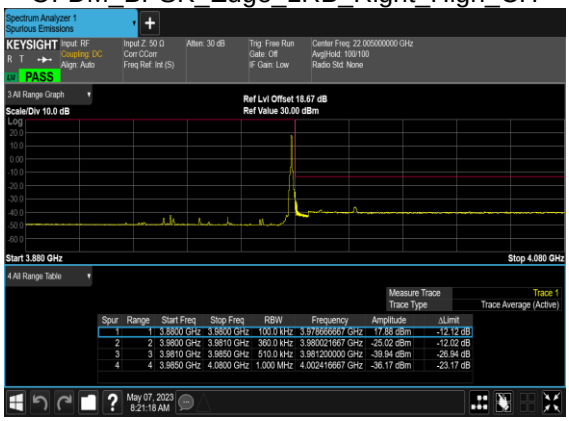
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



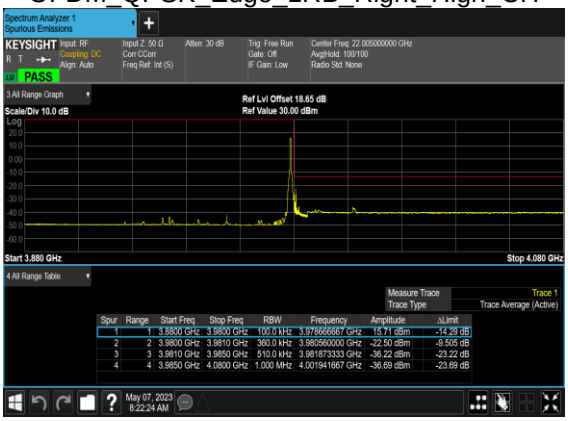
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



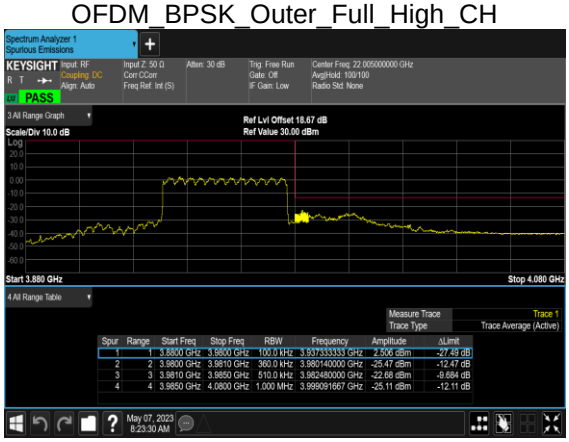
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



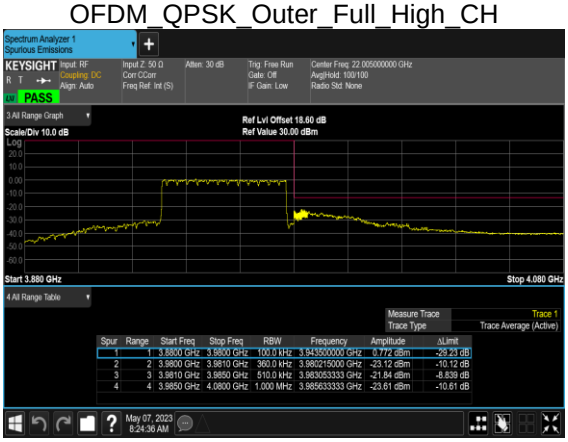
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



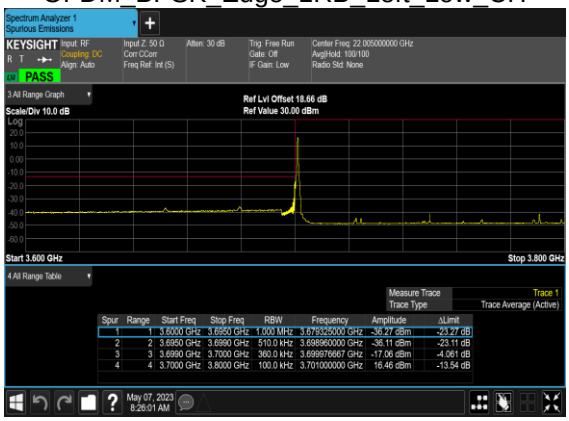
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



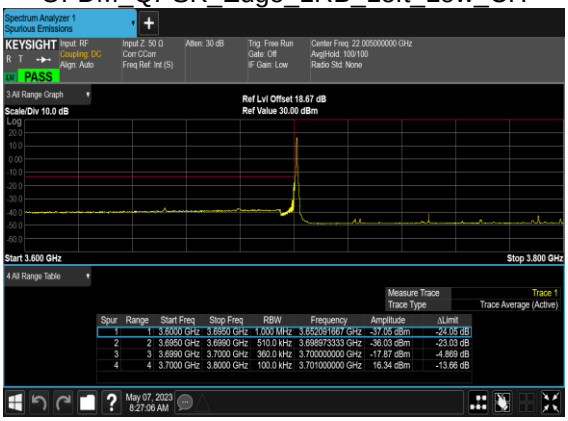
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



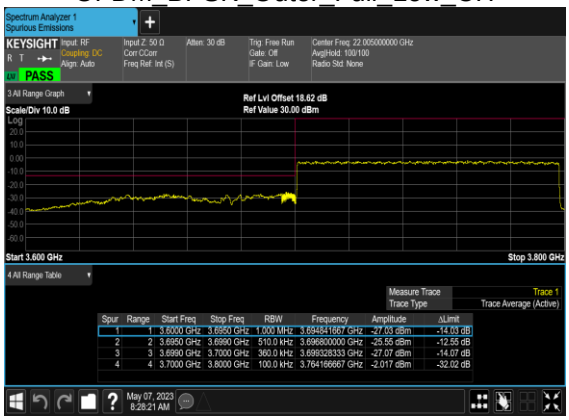
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



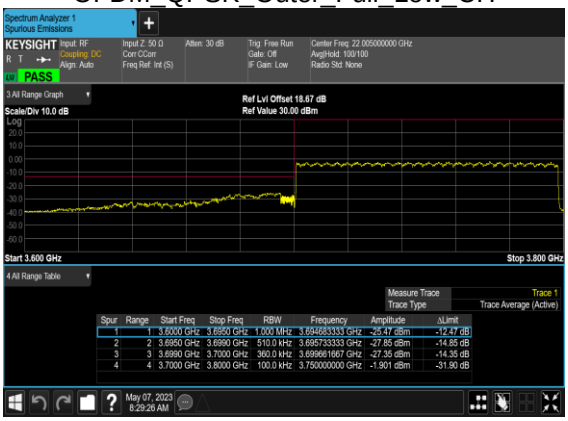
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



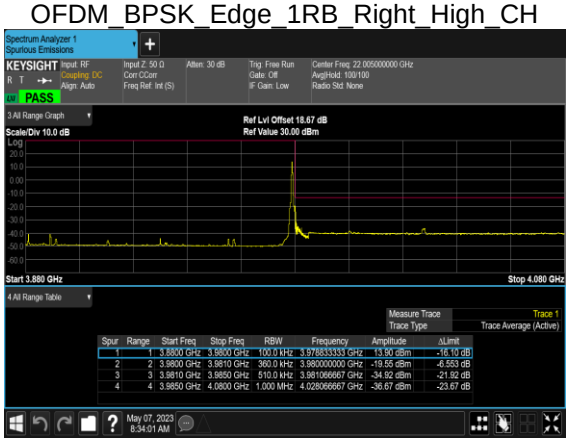
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



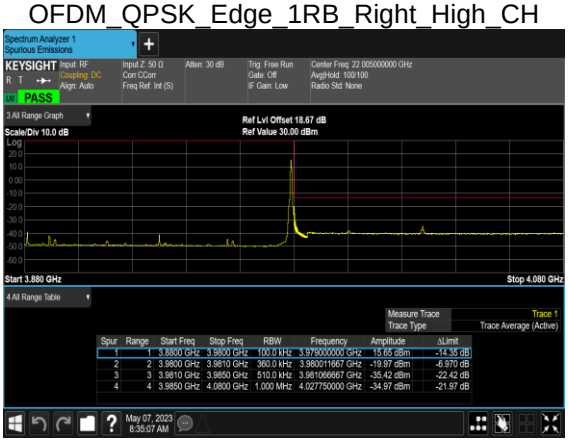
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



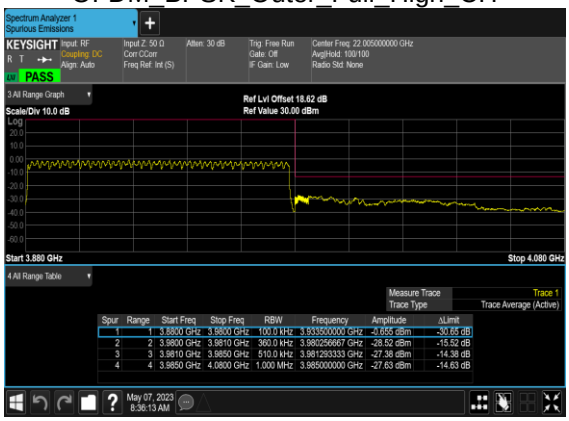
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



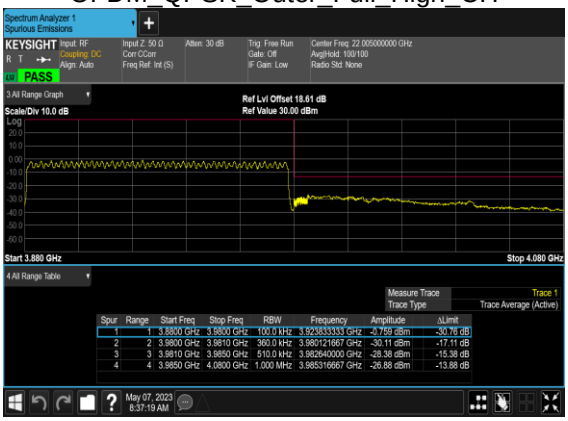
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N78-SCS 30K(ANT1)

Transmitter Conducted Output Power and EIRP, (G_T - L_C)=17.99dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	26.18	44.17	26.1216
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	25.13	43.12	20.5116
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	26.28	44.27	26.7301
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.23	43.22	20.9894
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	26.32	44.31	26.9774
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	25.26	43.25	21.1349
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	26.26	44.25	26.6073
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	25.2	43.19	20.8449
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	26.23	44.22	26.4241
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.22	43.21	20.9411
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	26.34	44.33	27.1019
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	25.29	43.28	21.2814
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	26.26	44.25	26.6073
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	25.23	43.22	20.9894
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	26.26	44.25	26.6073
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.25	43.24	21.0863
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	26.35	44.34	27.1644
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	25.36	43.35	21.6272
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	26.23	44.22	26.4241
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	25.19	43.18	20.7970
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	26.29	44.28	26.7917
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.24	43.23	21.0378
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	26.39	44.38	27.4157
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	25.32	43.31	21.4289
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	26.28	44.27	26.7301
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	25.24	43.23	21.0378
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	26.32	44.31	26.9774
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.27	43.26	21.1836
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	26.37	44.36	27.2898
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	25.34	43.33	21.5278
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	26.22	44.21	26.3633
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	25.16	43.15	20.6538
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	26.26	44.25	26.6073
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.21	43.2	20.8930
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	26.36	44.35	27.2270
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	25.29	43.28	21.2814

78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	26.26	44.25	26.6073
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.24	43.23	21.0378
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	26.28	44.27	26.7301
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.25	43.24	21.0863
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	26.32	44.31	26.9774
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	25.3	43.29	21.3304
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	26.21	44.2	26.3027
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	25.24	43.23	21.0378
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	26.18	44.17	26.1216
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.18	43.17	20.7491
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	26.28	44.27	26.7301
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	25.25	43.24	21.0863
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	26.36	44.35	27.2270
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	25.31	43.3	21.3796
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	26.33	44.32	27.0396
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.22	43.21	20.9411
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	26.28	44.27	26.7301
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	25.27	43.26	21.1836
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	26.23	44.22	26.4241
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	25.21	43.2	20.8930
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	26.32	44.31	26.9774
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.2	43.19	20.8449
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	26.4	44.39	27.4789
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	25.28	43.27	21.2324
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	26.29	44.28	26.7917
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	25.27	43.26	21.1836
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	26.23	44.22	26.4241
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.22	43.21	20.9411
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	26.29	44.28	26.7917
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	25.22	43.21	20.9411
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	26.45	44.44	27.7971
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.35	44.25	26.6073
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	26.39	44.29	26.8534
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	26.44	44.34	27.1644
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	26.33	44.23	26.4850
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.38	44.28	26.7917
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	25.49	43.39	21.8273
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.19	43.09	20.3704
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.34	43.24	21.0863
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.47	41.37	13.7088
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.24	41.14	13.0017
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.32	41.22	13.2434

78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.01	38.91	7.7804
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.88	38.78	7.5509
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.03	38.93	7.8163
78	30	100	650000	3750	CP-OFDM QPSK	137@68	24.94	42.84	19.2309
78	30	100	650000	3750	CP-OFDM QPSK	1@1	24.79	42.69	18.5780
78	30	100	650000	3750	CP-OFDM QPSK	1@271	24.88	42.78	18.9671

FR1 N78-UL MIMO-SCS 30K(ANT0+1)

Transmitter Conducted Output Power and EIRP, (G_T - L_C)=18.01dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq(MHz)	Modulation	RB	ANT0 Power (dBm)	ANT1 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	22.97	23.58	26.30	44.31	26.9774
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	21.94	22.53	25.26	43.27	21.2324
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	22.93	23.71	26.35	44.36	27.2898
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.89	22.67	25.31	43.32	21.4783
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	23.07	23.52	26.31	44.32	27.0396
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	22.07	22.47	25.28	43.29	21.3304
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	22.98	23.55	26.28	44.29	26.8534
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	22.06	22.6	25.35	43.36	21.6770
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	22.96	23.71	26.36	44.37	27.3527
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.92	22.65	25.31	43.32	21.4783
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	23.05	23.5	26.29	44.3	26.9153
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	22.15	22.42	25.30	43.31	21.4289
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	22.92	23.5	26.23	44.24	26.5461
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	21.94	22.4	25.19	43.2	20.8930
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	22.89	23.6	26.27	44.28	26.7917
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.88	22.62	25.28	43.29	21.3304
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	23.07	23.56	26.33	44.34	27.1644
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	22.09	22.61	25.37	43.38	21.7771
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	22.86	23.56	26.23	44.24	26.5461
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	21.96	22.54	25.27	43.28	21.2814
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	22.95	23.74	26.37	44.38	27.4157
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.92	22.75	25.37	43.38	21.7771
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	23.05	23.67	26.38	44.39	27.4789
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	22.32	22.75	25.55	43.56	22.6986
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	22.99	23.65	26.34	44.35	27.2270
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	21.9	22.63	25.29	43.3	21.3796
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	22.9	23.73	26.35	44.36	27.2898
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.85	22.71	25.31	43.32	21.4783
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	23.04	23.72	26.40	44.41	27.6058
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	22.1	22.71	25.43	43.44	22.0800
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	22.98	23.54	26.28	44.29	26.8534
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	22.01	22.57	25.31	43.32	21.4783
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	23.02	23.68	26.37	44.38	27.4157
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.98	22.7	25.37	43.38	21.7771
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	23.07	23.76	26.44	44.45	27.8612
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	22.07	22.8	25.46	43.47	22.2331
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	23.04	23.66	26.37	44.38	27.4157

78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	22.16	22.68	25.44	43.45	22.1309
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	22.89	23.6	26.27	44.28	26.7917
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.98	22.71	25.37	43.38	21.7771
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	22.98	23.71	26.37	44.38	27.4157
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	21.97	22.68	25.35	43.36	21.6770
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	22.93	23.57	26.27	44.28	26.7917
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	21.97	22.67	25.34	43.35	21.6272
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	22.88	23.71	26.33	44.34	27.1644
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.93	22.67	25.33	43.34	21.5774
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	22.84	23.61	26.25	44.26	26.6686
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	21.94	22.86	25.43	43.44	22.0800
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	23.02	23.58	26.32	44.33	27.1019
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	22.01	22.66	25.36	43.37	21.7270
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	22.94	23.7	26.35	44.36	27.2898
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.05	22.72	25.41	43.42	21.9786
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	22.91	23.67	26.32	44.33	27.1019
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	22.18	22.88	25.55	43.56	22.6986
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	23.01	23.63	26.34	44.35	27.2270
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	21.9	22.51	25.23	43.24	21.0863
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	22.94	23.63	26.31	44.32	27.0396
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.87	22.58	25.25	43.26	21.1836
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	22.94	23.66	26.33	44.34	27.1644
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	21.87	22.65	25.29	43.3	21.3796
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	22.98	23.64	26.33	44.34	27.1644
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	22.09	22.62	25.37	43.38	21.7771
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	23.02	23.65	26.36	44.37	27.3527
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.85	22.62	25.26	43.27	21.2324
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	22.87	23.52	26.22	44.23	26.4850
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	22.09	22.68	25.41	43.42	21.9786
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	23.09	23.9	26.52	44.53	28.3792
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.9	23.61	26.28	44.29	26.8534
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	23.06	23.6	26.35	44.36	27.2898
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	23.16	23.9	26.56	44.57	28.6418
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	22.93	23.63	26.30	44.31	26.9774
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	23.03	23.53	26.30	44.31	26.9774
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	22.14	22.92	25.56	43.57	22.7510
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.96	22.61	25.31	43.32	21.4783
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	22.16	22.71	25.45	43.46	22.1820
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	20.63	21.42	24.05	42.06	16.0694
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	20.56	21.29	23.95	41.96	15.7036
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	20.62	21.14	23.90	41.91	15.5239
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	18.67	19.39	22.06	40.07	10.1625
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	18.67	19.37	22.04	40.05	10.1158
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	18.77	19.33	22.07	40.08	10.1859

78	30	100	650000	3750	CP-OFDM QPSK	137@68	21.48	22.08	24.80	42.81	19.0985
78	30	100	650000	3750	CP-OFDM QPSK	1@1	21.43	22.17	24.83	42.84	19.2309
78	30	100	650000	3750	CP-OFDM QPSK	1@271	21.49	22.04	24.78	42.79	19.0108

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Transmitter Conducted Output Power and EIRP, (G_T - L_C)=17.99dB

Note: This device supports three Power setting cases for ULCA mode as following shows:
(1) PCC Power all up, means Power setting, PCC(max.) +SCC (min.)
(2) SCC Power all up, means Power setting, PCC(min.) +SCC (max.)
(3) Average Power , means Power setting, PCC(avg.) +SCC (avg.)

PCC Max Power

NR Band	SCS (kHz)	Bandwidth (MHz)	PCC Arfcn	SCC Arfcn	Modulation	PCC RB	SCC RB	PCC Power (dBm)	SCC Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77C	30	100+100	650000	656664	DFT-s BPSK	135@138	135@0	20.28	-17.1	20.28	38.27	6.7155
77C	30	100+100	650000	656664	DFT-s BPSK	1@181	1@87	18.69	-19.96	18.69	36.68	4.6565
77C	30	100+100	650000	656664	DFT-s QPSK	135@138	135@0	20.29	-17.39	20.29	38.28	6.7309
77C	30	100+100	650000	656664	DFT-s QPSK	1@181	1@87	18.78	-19.93	18.78	36.77	4.7540
77C	30	100+100	650000	656664	DFT-s 16 QAM	135@138	135@0	20.3	-17.32	20.30	38.29	6.7464
77C	30	100+100	650000	656664	DFT-s 16 QAM	1@181	1@87	16.64	-21.74	16.64	34.63	2.9044
77C	30	100+100	650000	656664	DFT-s 64 QAM	135@138	135@0	17.86	-19.37	17.86	35.85	3.8466
77C	30	100+100	650000	656664	DFT-s 64 QAM	1@181	1@87	16.8	-21.56	16.80	34.79	3.0134
77C	30	100+100	650000	656664	DFT-s 256 QAM	135@138	135@0	15.92	-22.36	15.92	33.91	2.4607
77C	30	100+100	650000	656664	DFT-s 256 QAM	1@181	1@87	16.06	-22.23	16.06	34.05	2.5413
77C	30	100+100	650000	656664	CP-OFDM QPSK	137@136	135@0	19.3	-18.62	19.30	37.29	5.3588
77C	30	100+100	650000	656664	CP-OFDM QPSK	1@181	1@87	17.69	-21.73	17.69	35.68	3.6987
77C	30	100+100	652668	659332	DFT-s BPSK	135@138	135@0	20.38	-18.21	20.38	38.37	6.8716
77C	30	100+100	652668	659332	DFT-s BPSK	1@181	1@87	18.8	-19.86	18.80	36.79	4.7759
77C	30	100+100	652668	659332	DFT-s QPSK	135@138	135@0	20.41	-18.2	20.41	38.40	6.9193
77C	30	100+100	652668	659332	DFT-s QPSK	1@181	1@87	18.81	-20.24	18.81	36.80	4.7869
77C	30	100+100	652668	659332	DFT-s 16 QAM	135@138	135@0	20.42	-17.89	20.42	38.41	6.9353
77C	30	100+100	652668	659332	DFT-s 16 QAM	1@181	1@87	16.82	-22.11	16.82	34.81	3.0273
77C	30	100+100	652668	659332	DFT-s 64 QAM	135@138	135@0	17.89	-20.62	17.89	35.88	3.8731
77C	30	100+100	652668	659332	DFT-s 64 QAM	1@181	1@87	16.92	-21.99	16.92	34.91	3.0978
77C	30	100+100	652668	659332	DFT-s 256 QAM	135@138	135@0	15.97	-22.46	15.97	33.96	2.4892
77C	30	100+100	652668	659332	DFT-s 256 QAM	1@181	1@87	16.25	-22.61	16.25	34.24	2.6550
77C	30	100+100	652668	659332	CP-OFDM QPSK	137@136	135@0	19.4	-16.13	19.40	37.39	5.4843
77C	30	100+100	652668	659332	CP-OFDM QPSK	1@181	1@87	18.03	-21.83	18.03	36.02	3.9999
77C	30	100+100	655336	662000	DFT-s BPSK	135@138	135@0	20.42	-18.27	20.42	38.41	6.9352
77C	30	100+100	655336	662000	DFT-s	1@181	1@87	18.92	-20.15	18.92	36.91	4.9097

					BPSK							
77C	30	100+100	655336	662000	DFT-s QPSK	135@138	135@0	20.45	-18.13	20.45	38.44	6.9833
77C	30	100+100	655336	662000	DFT-s QPSK	1@181	1@87	18.97	-20.02	18.97	36.96	4.9665
77C	30	100+100	655336	662000	DFT-s 16 QAM	135@138	135@0	20.44	-17.72	20.44	38.43	6.9673
77C	30	100+100	655336	662000	DFT-s 16 QAM	1@181	1@87	16.76	-22.01	16.76	34.75	2.9858
77C	30	100+100	655336	662000	DFT-s 64 QAM	135@138	135@0	17.94	-18.82	17.94	35.93	3.9182
77C	30	100+100	655336	662000	DFT-s 64 QAM	1@181	1@87	16.98	-22.09	16.98	34.97	3.1409
77C	30	100+100	655336	662000	DFT-s 256 QAM	135@138	135@0	15.93	-22.45	15.93	33.92	2.4664
77C	30	100+100	655336	662000	DFT-s 256 QAM	1@181	1@87	16.26	-22.29	16.26	34.25	2.6611
77C	30	100+100	655336	662000	CP-OFDM QPSK	137@136	135@0	19.42	-18.83	19.42	37.41	5.5089
77C	30	100+100	655336	662000	CP-OFDM QPSK	1@181	1@87	17.88	-21.87	17.88	35.87	3.8641
77C	30	100+90	650000	656328	DFT-s QPSK	1@171	1@68	19.01	-19.63	19.01	37.00	5.0126
77C	30	100+90	650000	656328	DFT-s 16 QAM	1@171	1@68	17.12	-19.65	17.12	35.11	3.2441
77C	30	100+90	653004	659332	DFT-s QPSK	1@171	1@68	18.7	-20.31	18.70	36.69	4.6672
77C	30	100+90	653004	659332	DFT-s 16 QAM	1@171	1@68	16.82	-20.32	16.82	34.81	3.0275
77C	30	100+90	656004	662332	DFT-s QPSK	1@171	1@68	18.99	-19.5	18.99	36.98	4.9896
77C	30	100+90	656004	662332	DFT-s 16 QAM	1@171	1@68	17.02	-19.51	17.02	35.01	3.1703
77C	30	90+100	649668	655996	DFT-s QPSK	1@171	1@95	18.68	-19.7	18.68	36.67	4.6458
77C	30	90+100	649668	655996	DFT-s 16 QAM	1@171	1@95	16.75	-19.75	16.75	34.74	2.9792
77C	30	90+100	652674	659002	DFT-s QPSK	1@171	1@95	18.81	-20.19	18.81	36.80	4.7869
77C	30	90+100	652674	659002	DFT-s 16 QAM	1@171	1@95	16.85	-20.21	16.85	34.84	3.0485
77C	30	90+100	655672	662000	DFT-s QPSK	1@171	1@95	18.89	-19.8	18.89	36.88	4.8759
77C	30	90+100	655672	662000	DFT-s 16 QAM	1@171	1@95	16.92	-19.81	16.92	34.91	3.0981
77C	30	100+80	650000	655992	DFT-s QPSK	1@161	1@48	18.78	-19.81	18.78	36.77	4.7540
77C	30	100+80	650000	655992	DFT-s 16 QAM	1@161	1@48	16.85	-19.85	16.85	34.84	3.0485
77C	30	100+80	653340	659332	DFT-s QPSK	1@161	1@48	18.72	-20.41	18.72	36.71	4.6887
77C	30	100+80	653340	659332	DFT-s 16 QAM	1@161	1@48	16.79	-20.55	16.79	34.78	3.0066
77C	30	100+80	656674	662666	DFT-s QPSK	1@161	1@48	18.8	-20.11	18.80	36.79	4.7759
77C	30	100+80	656674	662666	DFT-s 16 QAM	1@161	1@48	16.86	-20.15	16.86	34.85	3.0555
77C	30	80+100	649334	655326	DFT-s QPSK	1@161	1@104	18.85	-19.51	18.85	36.84	4.8313
77C	30	80+100	649334	655326	DFT-s 16 QAM	1@161	1@104	16.92	-19.53	16.92	34.91	3.0981
77C	30	80+100	652674	658666	DFT-s QPSK	1@161	1@104	18.75	-20.15	18.75	36.74	4.7212
77C	30	80+100	652674	658666	DFT-s 16 QAM	1@161	1@104	16.82	-20.17	16.82	34.81	3.0275
77C	30	80+100	656008	662000	DFT-s QPSK	1@161	1@104	18.67	-19.93	18.67	36.66	4.6351
77C	30	80+100	656008	662000	DFT-s 16 QAM	1@161	1@104	16.72	-19.95	16.72	34.71	2.9586
77C	30	90+90	649668	655668	DFT-s QPSK	1@161	1@76	18.63	-19.65	18.63	36.62	4.5927

77C	30	90+90	649668	655668	DFT-s 16 QAM	1@161	1@76	16.71	-19.67	16.71	34.70	2.9519
77C	30	90+90	653004	659004	DFT-s QPSK	1@161	1@76	18.71	-19.79	18.71	36.70	4.6780
77C	30	90+90	653004	659004	DFT-s 16 QAM	1@161	1@76	16.79	-19.82	16.79	34.78	3.0067
77C	30	90+90	656332	662332	DFT-s QPSK	1@161	1@76	18.77	-19.81	18.77	36.76	4.7431
77C	30	90+90	656332	662332	DFT-s 16 QAM	1@161	1@76	16.85	-19.82	16.85	34.84	3.0486
77C	30	100+70	650000	655656	DFT-s QPSK	1@152	1@30	18.81	-19.67	18.81	36.80	4.7870
77C	30	100+70	650000	655656	DFT-s 16 QAM	1@152	1@30	16.89	-19.69	16.89	34.88	3.0768
77C	30	100+70	653676	659332	DFT-s QPSK	1@152	1@30	18.85	-19.61	18.85	36.84	4.8313
77C	30	100+70	653676	659332	DFT-s 16 QAM	1@152	1@30	16.91	-19.62	16.91	34.90	3.0910
77C	30	100+70	657334	663000	DFT-s QPSK	1@152	1@30	18.76	-19.72	18.76	36.75	4.7322
77C	30	100+70	657334	663000	DFT-s 16 QAM	1@152	1@30	16.85	-19.73	16.85	34.84	3.0486
77C	30	70+100	648668	654324	DFT-s QPSK	1@152	1@115	18.73	-19.26	18.73	36.72	4.6997
77C	30	70+100	648668	654324	DFT-s 16 QAM	1@152	1@115	16.82	-19.27	16.82	34.81	3.0277
77C	30	70+100	652506	658162	DFT-s QPSK	1@152	1@115	18.66	-19.49	18.66	36.65	4.6245
77C	30	70+100	652506	658162	DFT-s 16 QAM	1@152	1@115	16.72	-19.5	16.72	34.71	2.9587
77C	30	70+100	656344	662000	DFT-s QPSK	1@152	1@115	18.77	-19.36	18.77	36.76	4.7431
77C	30	70+100	656344	662000	DFT-s 16 QAM	1@152	1@115	16.81	-19.37	16.81	34.80	3.0207
77C	30	90+80	649668	654662	DFT-s QPSK	1@152	1@58	18.72	-19.45	18.72	36.71	4.6888
77C	30	90+80	649668	654662	DFT-s 16 QAM	1@152	1@58	16.86	-19.46	16.86	34.85	3.0556
77C	30	90+80	653340	659004	DFT-s QPSK	1@152	1@58	18.66	-19.46	18.66	36.65	4.6245
77C	30	90+80	653340	659004	DFT-s 16 QAM	1@152	1@58	16.71	-19.47	16.71	34.70	2.9519
77C	30	90+80	657002	662666	DFT-s QPSK	1@152	1@58	18.84	-19.35	18.84	36.83	4.8202
77C	30	90+80	657002	662666	DFT-s 16 QAM	1@152	1@58	16.89	-19.36	16.89	34.88	3.0768
77C	30	80+90	649334	654998	DFT-s QPSK	1@152	1@86	18.68	-19.63	18.68	36.67	4.6458
77C	30	80+90	649334	654998	DFT-s 16 QAM	1@152	1@86	16.79	-19.66	16.79	34.78	3.0068
77C	30	80+90	653004	658668	DFT-s QPSK	1@152	1@86	18.75	-19.58	18.75	36.74	4.7213
77C	30	80+90	653004	658668	DFT-s 16 QAM	1@152	1@86	16.82	-19.6	16.82	34.81	3.0276
77C	30	80+90	656668	662332	DFT-s QPSK	1@152	1@86	18.63	-19.67	18.63	36.62	4.5927
77C	30	80+90	656668	662332	DFT-s 16 QAM	1@152	1@86	16.72	-19.69	16.72	34.71	2.9587
77C	30	100+60	650000	655320	DFT-s QPSK	1@143	1@13	18.7	-20.01	18.70	36.69	4.6672
77C	30	100+60	650000	655320	DFT-s 16 QAM	1@143	1@13	16.82	-20.02	16.82	34.81	3.0275
77C	30	100+60	654006	659326	DFT-s QPSK	1@143	1@13	18.81	-20.59	18.81	36.80	4.7869
77C	30	100+60	654006	659326	DFT-s 16 QAM	1@143	1@13	16.92	-20.62	16.92	34.91	3.0980
77C	30	100+60	658012	663332	DFT-s QPSK	1@143	1@13	18.77	-20.01	18.77	36.76	4.7430
77C	30	100+60	658012	663332	DFT-s 16 QAM	1@143	1@13	16.81	-20.02	16.81	34.80	3.0206
77C	30	60+100	648668	653988	DFT-s QPSK	1@142	1@122	18.44	-19.34	18.44	36.43	4.3961

77C	30	60+100	648668	653988	DFT-s 16 QAM	1@142	1@122	16.56	-19.35	16.56	34.55	2.8517
77C	30	60+100	652674	657994	DFT-s QPSK	1@142	1@122	18.56	-19.22	18.56	36.55	4.5193
77C	30	60+100	652674	657994	DFT-s 16 QAM	1@142	1@122	16.72	-19.23	16.72	34.71	2.9588
77C	30	60+100	656680	662000	DFT-s QPSK	1@142	1@122	18.36	-19.42	18.36	36.35	4.3159
77C	30	60+100	656680	662000	DFT-s 16 QAM	1@142	1@122	16.51	-19.43	16.51	34.50	2.8191
77C	30	90+70	649668	654996	DFT-s QPSK	1@143	1@40	18.79	-19.42	18.79	36.78	4.7650
77C	30	90+70	649668	654996	DFT-s 16 QAM	1@143	1@40	16.86	-19.43	16.86	34.85	3.0556
77C	30	90+70	653670	658998	DFT-s QPSK	1@143	1@40	18.72	-19.51	18.72	36.71	4.6888
77C	30	90+70	653670	658998	DFT-s 16 QAM	1@143	1@40	16.81	-19.52	16.81	34.80	3.0207
77C	30	90+70	657672	663000	DFT-s QPSK	1@143	1@40	18.61	-19.77	18.61	36.60	4.5715
77C	30	90+70	657672	663000	DFT-s 16 QAM	1@143	1@40	16.75	-19.78	16.75	34.74	2.9792
77C	30	70+90	648668	653996	DFT-s QPSK	1@142	1@94	18.91	-19.92	18.91	36.90	4.8984
77C	30	70+90	648668	653996	DFT-s 16 QAM	1@142	1@94	17.02	-19.93	17.02	35.01	3.1702
77C	30	70+90	652836	658164	DFT-s QPSK	1@142	1@94	18.84	-19.95	18.84	36.83	4.8201
77C	30	70+90	652836	658164	DFT-s 16 QAM	1@142	1@94	16.92	-19.96	16.92	34.91	3.0981
77C	30	70+90	657004	662332	DFT-s QPSK	1@142	1@94	18.88	-20.02	18.88	36.87	4.8647
77C	30	70+90	657004	662332	DFT-s 16 QAM	1@142	1@94	16.95	-20.03	16.95	34.94	3.1195
77C	30	80+80	649334	654666	DFT-s QPSK	1@143	1@68	18.79	-19.78	18.79	36.78	4.7650
77C	30	80+80	649334	654666	DFT-s 16 QAM	1@143	1@68	16.88	-19.8	16.88	34.87	3.0697
77C	30	80+80	653334	658666	DFT-s QPSK	1@143	1@68	18.87	-19.74	18.87	36.86	4.8536
77C	30	80+80	653334	658666	DFT-s 16 QAM	1@143	1@68	16.95	-19.75	16.95	34.94	3.1196
77C	30	80+80	657334	662666	DFT-s QPSK	1@143	1@68	18.84	-19.73	18.84	36.83	4.8201
77C	30	80+80	657334	662666	DFT-s 16 QAM	1@143	1@68	16.89	-19.74	16.89	34.88	3.0768
77C	30	100+50	650000	654984	DFT-s QPSK	1@147	1@0	18.72	-19.89	18.72	36.71	4.6888
77C	30	100+50	650000	654984	DFT-s 16 QAM	1@147	1@0	16.81	-19.99	16.81	34.80	3.0206
77C	30	100+50	654342	659326	DFT-s QPSK	1@147	1@0	18.97	-19.92	18.97	36.96	4.9666
77C	30	100+50	654342	659326	DFT-s 16 QAM	1@147	1@0	17.02	-19.93	17.02	35.01	3.1702
77C	30	100+50	658682	663666	DFT-s QPSK	1@147	1@0	18.75	-20.32	18.75	36.74	4.7212
77C	30	100+50	658682	663666	DFT-s 16 QAM	1@147	1@0	16.83	-20.33	16.83	34.82	3.0345
77C	30	50+100	648334	653318	DFT-s QPSK	1@132	1@130	18.38	-18.99	18.38	36.37	4.3359
77C	30	50+100	648334	653318	DFT-s 16 QAM	1@132	1@130	16.49	-19.01	16.49	34.48	2.8062
77C	30	50+100	652680	657664	DFT-s QPSK	1@132	1@130	18.59	-19.37	18.59	36.58	4.5506
77C	30	50+100	652680	657664	DFT-s 16 QAM	1@132	1@130	16.71	-19.38	16.71	34.70	2.9519
77C	30	50+100	657016	662000	DFT-s QPSK	1@132	1@130	18.45	-19.18	18.45	36.44	4.4063
77C	30	50+100	657016	662000	DFT-s 16 QAM	1@132	1@130	16.59	-19.19	16.59	34.58	2.8715
77C	30	90+60	649668	654660	DFT-s QPSK	1@133	1@21	18.6	-19.88	18.60	36.59	4.5610

77C	30	90+60	649668	654660	DFT-s 16 QAM	1@133	1@21	16.72	-19.89	16.72	34.71	2.9587
77C	30	90+60	654006	658998	DFT-s QPSK	1@133	1@21	18.98	-20.29	18.98	36.97	4.9780
77C	30	90+60	654006	658998	DFT-s 16 QAM	1@133	1@21	17.01	-20.31	17.01	35.00	3.1629
77C	30	90+60	658340	663332	DFT-s QPSK	1@133	1@21	18.76	-20.12	18.76	36.75	4.7321
77C	30	90+60	658340	663332	DFT-s 16 QAM	1@133	1@21	16.82	-20.13	16.82	34.81	3.0275
77C	30	60+90	648668	653660	DFT-s QPSK	1@133	1@104	18.41	-18.89	18.41	36.40	4.3660
77C	30	60+90	648668	653660	DFT-s 16 QAM	1@133	1@104	16.52	-18.91	16.52	34.51	2.8257
77C	30	60+90	653004	657996	DFT-s QPSK	1@133	1@104	18.61	-19.76	18.61	36.60	4.5715
77C	30	60+90	653004	657996	DFT-s 16 QAM	1@133	1@104	16.69	-19.77	16.69	34.68	2.9383
77C	30	60+90	657340	662332	DFT-s QPSK	1@133	1@104	18.57	-19.61	18.57	36.56	4.5297
77C	30	60+90	657340	662332	DFT-s 16 QAM	1@133	1@104	16.62	-19.62	16.62	34.61	2.8914
77C	30	80+70	649334	654330	DFT-s QPSK	1@133	1@48	18.77	-19.58	18.77	36.76	4.7431
77C	30	80+70	649334	654330	DFT-s 16 QAM	1@133	1@48	16.85	-19.6	16.85	34.84	3.0486
77C	30	80+70	653670	658666	DFT-s QPSK	1@133	1@48	18.8	-19.97	18.80	36.79	4.7759
77C	30	80+70	653670	658666	DFT-s 16 QAM	1@133	1@48	16.91	-19.98	16.91	34.90	3.0909
77C	30	80+70	658004	663000	DFT-s QPSK	1@133	1@48	18.79	-19.9	18.79	36.78	4.7650
77C	30	80+70	658004	663000	DFT-s 16 QAM	1@133	1@48	16.85	-19.91	16.85	34.84	3.0485
77C	30	70+80	648668	653664	DFT-s QPSK	1@133	1@76	18.63	-19.59	18.63	36.62	4.5927
77C	30	70+80	648668	653664	DFT-s 16 QAM	1@133	1@76	16.69	-19.61	16.69	34.68	2.9383
77C	30	70+80	653172	658168	DFT-s QPSK	1@133	1@76	18.7	-20	18.70	36.69	4.6672
77C	30	70+80	653172	658168	DFT-s 16 QAM	1@133	1@76	16.79	-20.01	16.79	34.78	3.0067
77C	30	70+80	657670	662666	DFT-s QPSK	1@133	1@76	18.75	-19.68	18.75	36.74	4.7213
77C	30	70+80	657670	662666	DFT-s 16 QAM	1@133	1@76	16.86	-19.69	16.86	34.85	3.0556
77C	30	100+40	650000	654648	DFT-s QPSK	1@172	1@0	18.89	-20.34	18.89	36.88	4.8759
77C	30	100+40	650000	654648	DFT-s 16 QAM	1@172	1@0	16.95	-20.35	16.95	34.94	3.1195
77C	30	100+40	654678	659326	DFT-s QPSK	1@172	1@0	18.86	-20.2	18.86	36.85	4.8423
77C	30	100+40	654678	659326	DFT-s 16 QAM	1@172	1@0	16.96	-20.21	16.96	34.95	3.1267
77C	30	100+40	659352	664000	DFT-s QPSK	1@172	1@0	18.73	-20.3	18.73	36.72	4.6995
77C	30	100+40	659352	664000	DFT-s 16 QAM	1@172	1@0	16.85	-20.31	16.85	34.84	3.0485
77C	30	40+100	648000	652648	DFT-s QPSK	1@105	1@105	14.22	-24.78	14.22	32.21	1.6636
77C	30	40+100	648000	652648	DFT-s 16 QAM	1@105	1@105	12.51	-24.81	12.51	30.50	1.1222
77C	30	40+100	652680	657328	DFT-s QPSK	1@105	1@105	14.32	-24.9	14.32	32.31	1.7024
77C	30	40+100	652680	657328	DFT-s 16 QAM	1@105	1@105	12.39	-24.91	12.39	30.38	1.0916
77C	30	40+100	657352	662000	DFT-s QPSK	1@105	1@105	14.37	-24.3	14.37	32.36	1.7221
77C	30	40+100	657352	662000	DFT-s 16 QAM	1@105	1@105	12.42	-24.32	12.42	30.41	1.0992
77C	30	90+50	649668	654324	DFT-s QPSK	1@124	1@2	18.91	-20.43	18.91	36.90	4.8984

77C	30	90+50	649668	654324	DFT-s 16 QAM	1@124	1@2	16.99	-20.45	16.99	34.98	3.1483
77C	30	90+50	654342	658998	DFT-s QPSK	1@124	1@2	18.88	-20.41	18.88	36.87	4.8646
77C	30	90+50	654342	658998	DFT-s 16 QAM	1@124	1@2	16.98	-20.43	16.98	34.97	3.1411
77C	30	90+50	659010	663666	DFT-s QPSK	1@124	1@2	18.97	-20.37	18.97	36.96	4.9665
77C	30	90+50	659010	663666	DFT-s 16 QAM	1@124	1@2	17.12	-20.39	17.12	35.11	3.2440
77C	30	50+90	648334	652990	DFT-s QPSK	1@123	1@113	18.56	-20.61	18.56	36.55	4.5191
77C	30	50+90	648334	652990	DFT-s 16 QAM	1@123	1@113	16.69	-20.62	16.69	34.68	2.9382
77C	30	50+90	653010	657666	DFT-s QPSK	1@123	1@113	18.6	-20.82	18.60	36.59	4.5609
77C	30	50+90	653010	657666	DFT-s 16 QAM	1@123	1@113	16.71	-20.85	16.71	34.70	2.9517
77C	30	50+90	657676	662332	DFT-s QPSK	1@123	1@113	18.64	-20.92	18.64	36.63	4.6031
77C	30	50+90	657676	662332	DFT-s 16 QAM	1@123	1@113	16.75	-20.94	16.75	34.74	2.9790
77C	30	80+60	649334	653994	DFT-s QPSK	1@124	1@30	18.85	-20.79	18.85	36.84	4.8311
77C	30	80+60	649334	653994	DFT-s 16 QAM	1@124	1@30	16.99	-20.81	16.99	34.98	3.1483
77C	30	80+60	654006	658666	DFT-s QPSK	1@124	1@30	18.62	-20.59	18.62	36.61	4.5820
77C	30	80+60	654006	658666	DFT-s 16 QAM	1@124	1@30	16.73	-20.6	16.73	34.72	2.9654
77C	30	80+60	658672	663332	DFT-s QPSK	1@124	1@30	18.69	-20.55	18.69	36.68	4.6564
77C	30	80+60	658672	663332	DFT-s 16 QAM	1@124	1@30	16.75	-20.56	16.75	34.74	2.9791
77C	30	60+80	648668	653328	DFT-s QPSK	1@124	1@86	18.39	-20.36	18.39	36.38	4.3457
77C	30	60+80	648668	653328	DFT-s 16 QAM	1@124	1@86	16.52	-20.39	16.52	34.51	2.8255
77C	30	60+80	653340	658000	DFT-s QPSK	1@124	1@86	18.46	-20.49	18.46	36.45	4.4163
77C	30	60+80	653340	658000	DFT-s 16 QAM	1@124	1@86	16.59	-20.52	16.59	34.58	2.8713
77C	30	60+80	658006	662666	DFT-s QPSK	1@124	1@86	18.37	-20.27	18.37	36.36	4.3257
77C	30	60+80	658006	662666	DFT-s 16 QAM	1@124	1@86	16.49	-20.28	16.49	34.48	2.8060
77C	30	70+70	648668	653332	DFT-s QPSK	1@124	1@57	18.81	-20.49	18.81	36.80	4.7869
77C	30	70+70	648668	653332	DFT-s 16 QAM	1@124	1@57	16.92	-20.52	16.92	34.91	3.0980
77C	30	70+70	653502	658166	DFT-s QPSK	1@124	1@57	18.54	-20.18	18.54	36.53	4.4984
77C	30	70+70	653502	658166	DFT-s 16 QAM	1@124	1@57	16.61	-20.19	16.61	34.60	2.8846
77C	30	70+70	658336	663000	DFT-s QPSK	1@124	1@57	18.84	-20.24	18.84	36.83	4.8201
77C	30	70+70	658336	663000	DFT-s 16 QAM	1@124	1@57	16.95	-20.25	16.95	34.94	3.1195
77C	30	100+30	650000	654326	DFT-s QPSK	1@201	1@0	20.28	-18.91	20.28	38.27	6.7151
77C	30	100+30	650000	654326	DFT-s 16 QAM	1@201	1@0	18.42	-18.92	18.42	36.41	4.3760
77C	30	100+30	655008	659334	DFT-s QPSK	1@201	1@0	20.34	-19.02	20.34	38.33	6.8085
77C	30	100+30	655008	659334	DFT-s 16 QAM	1@201	1@0	18.45	-19.12	18.45	36.44	4.4063
77C	30	100+30	660006	664332	DFT-s QPSK	1@201	1@0	20.39	-19.11	20.39	38.38	6.8873
77C	30	100+30	660006	664332	DFT-s 16 QAM	1@201	1@0	18.51	-19.12	18.51	36.50	4.4676
77C	30	30+100	647668	651994	DFT-s QPSK	1@77	1@75	18.26	-19.02	18.26	36.25	4.2178

77C	30	30+100	647668	651994	DFT-s 16 QAM	1@77	1@75	16.39	-19.03	16.39	34.38	2.7424
77C	30	30+100	652674	657000	DFT-s QPSK	1@77	1@75	18.24	-19.33	18.24	36.23	4.1983
77C	30	30+100	652674	657000	DFT-s 16 QAM	1@77	1@75	16.35	-19.35	16.35	34.34	2.7172
77C	30	30+100	657674	662000	DFT-s QPSK	1@77	1@75	18.25	-19.1	18.25	36.24	4.2080
77C	30	30+100	657674	662000	DFT-s 16 QAM	1@77	1@75	16.42	-19.15	16.42	34.41	2.7613
77C	30	90+40	649668	653988	DFT-s QPSK	1@145	1@0	18.7	-20.05	18.70	36.69	4.6672
77C	30	90+40	649668	653988	DFT-s 16 QAM	1@145	1@0	16.85	-20.15	16.85	34.84	3.0485
77C	30	90+40	654678	658998	DFT-s QPSK	1@145	1@0	18.85	-20.19	18.85	36.84	4.8312
77C	30	90+40	654678	658998	DFT-s 16 QAM	1@145	1@0	16.96	-20.2	16.96	34.95	3.1267
77C	30	90+40	659680	664000	DFT-s QPSK	1@145	1@0	18.66	-20.11	18.66	36.65	4.6244
77C	30	90+40	659680	664000	DFT-s 16 QAM	1@145	1@0	16.75	-20.12	16.75	34.74	2.9791
77C	30	40+90	648000	652320	DFT-s QPSK	1@105	1@104	18.53	-18.96	18.53	36.52	4.4883
77C	30	40+90	648000	652320	DFT-s 16 QAM	1@105	1@104	16.62	-18.99	16.62	34.61	2.8915
77C	30	40+90	653010	657330	DFT-s QPSK	1@105	1@104	18.6	-19.37	18.60	36.59	4.5611
77C	30	40+90	653010	657330	DFT-s 16 QAM	1@105	1@104	16.75	-19.39	16.75	34.74	2.9792
77C	30	40+90	658012	662332	DFT-s QPSK	1@105	1@104	18.58	-19.23	18.58	36.57	4.5402
77C	30	40+90	658012	662332	DFT-s 16 QAM	1@105	1@104	16.71	-19.24	16.71	34.70	2.9520
77C	30	80+50	649334	653658	DFT-s QPSK	1@115	1@12	18.64	-19.93	18.64	36.63	4.6032
77C	30	80+50	649334	653658	DFT-s 16 QAM	1@115	1@12	16.79	-19.94	16.79	34.78	3.0067
77C	30	80+50	654342	658666	DFT-s QPSK	1@115	1@12	18.73	-19.87	18.73	36.72	4.6996
77C	30	80+50	654342	658666	DFT-s 16 QAM	1@115	1@12	16.85	-19.88	16.85	34.84	3.0485
77C	30	80+50	659342	663666	DFT-s QPSK	1@115	1@12	18.69	-19.82	18.69	36.68	4.6565
77C	30	80+50	659342	663666	DFT-s 16 QAM	1@115	1@12	16.81	-19.83	16.81	34.80	3.0206
77C	30	50+80	648334	652658	DFT-s QPSK	1@114	1@94	18.47	-19.37	18.47	36.46	4.4266
77C	30	50+80	648334	652658	DFT-s 16 QAM	1@114	1@94	16.52	-19.39	16.52	34.51	2.8256
77C	30	50+80	653340	657664	DFT-s QPSK	1@114	1@94	18.66	-19.8	18.66	36.65	4.6245
77C	30	50+80	653340	657664	DFT-s 16 QAM	1@114	1@94	16.79	-19.81	16.79	34.78	3.0067
77C	30	50+80	658342	662666	DFT-s QPSK	1@114	1@94	18.51	-19.94	18.51	36.50	4.4675
77C	30	50+80	658342	662666	DFT-s 16 QAM	1@114	1@94	16.59	-19.95	16.59	34.58	2.8714
77C	30	70+60	648668	652992	DFT-s QPSK	1@114	1@39	18.66	-19.74	18.66	36.65	4.6245
77C	30	70+60	648668	652992	DFT-s 16 QAM	1@114	1@39	16.79	-19.75	16.79	34.78	3.0067
77C	30	70+60	653838	658162	DFT-s QPSK	1@114	1@39	18.64	-20.3	18.64	36.63	4.6032
77C	30	70+60	653838	658162	DFT-s 16 QAM	1@114	1@39	16.74	-20.31	16.74	34.73	2.9723
77C	30	70+60	659008	663332	DFT-s QPSK	1@114	1@39	18.47	-20.12	18.47	36.46	4.4265
77C	30	70+60	659008	663332	DFT-s 16 QAM	1@114	1@39	16.59	-20.13	16.59	34.58	2.8714
77C	30	60+70	648668	652992	DFT-s QPSK	1@114	1@66	18.35	-19.73	18.35	36.34	4.3059

77C	30	60+70	648668	652992	DFT-s 16 QAM	1@114	1@66	16.51	-19.74	16.51	34.50	2.8191
77C	30	60+70	653676	658000	DFT-s QPSK	1@114	1@66	18.46	-20.11	18.46	36.45	4.4163
77C	30	60+70	653676	658000	DFT-s 16 QAM	1@114	1@66	16.59	-20.12	16.59	34.58	2.8714
77C	30	60+70	658676	663000	DFT-s QPSK	1@114	1@66	18.41	-19.94	18.41	36.40	4.3658
77C	30	60+70	658676	663000	DFT-s 16 QAM	1@114	1@66	16.49	-19.95	16.49	34.48	2.8061
77C	30	100+25	650000	654160	DFT-s QPSK	1@216	1@0	19.87	-19.08	19.87	37.86	6.1102
77C	30	100+25	650000	654160	DFT-s 16 QAM	1@216	1@0	17.99	-19.18	17.99	35.98	3.9635
77C	30	100+25	655170	659330	DFT-s QPSK	1@216	1@0	20.12	-19.09	20.12	38.11	6.4722
77C	30	100+25	655170	659330	DFT-s 16 QAM	1@216	1@0	18.25	-19.11	18.25	36.24	4.2080
77C	30	100+25	660304	664500	DFT-s QPSK	1@216	1@0	20.05	-18.88	20.05	38.04	6.3688
77C	30	100+25	660304	664500	DFT-s 16 QAM	1@216	1@0	18.19	-18.9	18.19	36.18	4.1504
77C	30	25+100	647500	651660	DFT-s QPSK	1@64	1@62	18.25	-19.38	18.25	36.24	4.2080
77C	30	25+100	647500	651660	DFT-s 16 QAM	1@64	1@62	16.42	-19.48	16.42	34.41	2.7613
77C	30	25+100	652674	656834	DFT-s QPSK	1@64	1@62	18.1	-19.61	18.10	36.09	4.0651
77C	30	25+100	652674	656834	DFT-s 16 QAM	1@64	1@62	16.21	-19.62	16.21	34.20	2.6310
77C	30	25+100	657840	662000	DFT-s QPSK	1@64	1@62	18.17	-19.42	18.17	36.16	4.1312
77C	30	25+100	657840	662000	DFT-s 16 QAM	1@64	1@62	16.29	-19.43	16.29	34.28	2.6799
77C	30	100+20	650000	653996	DFT-s QPSK	1@229	1@0	19.93	-18.92	19.93	37.92	6.1952
77C	30	100+20	650000	653996	DFT-s 16 QAM	1@229	1@0	18.02	-18.93	18.02	36.01	3.9911
77C	30	100+20	655338	659334	DFT-s QPSK	1@229	1@0	20.06	-18.99	20.06	38.05	6.3834
77C	30	100+20	655338	659334	DFT-s 16 QAM	1@229	1@0	18.21	-19.02	18.21	36.20	4.1695
77C	30	100+20	660670	664666	DFT-s QPSK	1@229	1@0	20.07	-18.89	20.07	38.06	6.3982
77C	30	100+20	660670	664666	DFT-s 16 QAM	1@229	1@0	18.21	-18.91	18.21	36.20	4.1695
77C	30	20+100	647334	651330	DFT-s QPSK	1@50	1@48	18.24	-19.46	18.24	36.23	4.1983
77C	30	20+100	647334	651330	DFT-s 16 QAM	1@50	1@48	16.42	-19.48	16.42	34.41	2.7613
77C	30	20+100	652674	656670	DFT-s QPSK	1@50	1@48	18.2	-19.59	18.20	36.19	4.1598
77C	30	20+100	652674	656670	DFT-s 16 QAM	1@50	1@48	16.35	-19.62	16.35	34.34	2.7171
77C	30	20+100	658004	662000	DFT-s QPSK	1@50	1@48	18.29	-19.46	18.29	36.28	4.2469
77C	30	20+100	658004	662000	DFT-s 16 QAM	1@50	1@48	16.55	-19.47	16.55	34.54	2.8452
77C	30	90+30	649668	653660	DFT-s QPSK	1@173	1@0	19.88	-19.01	19.88	37.87	6.1243
77C	30	90+30	649668	653660	DFT-s 16 QAM	1@173	1@0	18.02	-19.02	18.02	36.01	3.9910
77C	30	90+30	655008	659000	DFT-s QPSK	1@173	1@0	20.1	-19.23	20.10	38.09	6.4424
77C	30	90+30	655008	659000	DFT-s 16 QAM	1@173	1@0	19.02	-19.24	19.02	37.01	5.0242
77C	30	90+30	660340	664332	DFT-s QPSK	1@173	1@0	19.97	-19.11	19.97	37.96	6.2525
77C	30	90+30	660340	664332	DFT-s 16 QAM	1@173	1@0	18.02	-19.12	18.02	36.01	3.9910
77C	30	30+90	647668	651660	DFT-s QPSK	1@77	1@75	18.09	-19.29	18.09	36.08	4.0558

77C	30	30+90	647668	651660	DFT-s 16 QAM	1@77	1@75	16.21	-19.36	16.21	34.20	2.6310
77C	30	30+90	653004	656996	DFT-s QPSK	1@77	1@75	18.11	-19.37	18.11	36.10	4.0745
77C	30	30+90	653004	656996	DFT-s 16 QAM	1@77	1@75	16.25	-19.38	16.25	34.24	2.6553
77C	30	30+90	658340	662332	DFT-s QPSK	1@77	1@75	18.06	-19.37	18.06	36.05	4.0279
77C	30	30+90	658340	662332	DFT-s 16 QAM	1@77	1@75	16.15	-19.38	16.15	34.14	2.5949
77C	30	80+40	649334	653322	DFT-s QPSK	1@117	1@0	18.32	-20.58	18.32	36.31	4.2762
77C	30	80+40	649334	653322	DFT-s 16 QAM	1@117	1@0	16.42	-20.62	16.42	34.41	2.7611
77C	30	80+40	654678	658666	DFT-s QPSK	1@117	1@0	18.33	-20.92	18.33	36.32	4.2860
77C	30	80+40	654678	658666	DFT-s 16 QAM	1@117	1@0	16.55	-20.93	16.55	34.54	2.8450
77C	30	80+40	660012	664000	DFT-s QPSK	1@117	1@0	18.24	-20.89	18.24	36.23	4.1981
77C	30	80+40	660012	664000	DFT-s 16 QAM	1@117	1@0	16.35	-20.9	16.35	34.34	2.7170
77C	30	40+80	648000	651988	DFT-s QPSK	1@105	1@104	18.14	-19.47	18.14	36.13	4.1028
77C	30	40+80	648000	651988	DFT-s 16 QAM	1@105	1@104	16.29	-19.49	16.29	34.28	2.6799
77C	30	40+80	653340	657328	DFT-s QPSK	1@105	1@104	18.11	-19.67	18.11	36.10	4.0745
77C	30	40+80	653340	657328	DFT-s 16 QAM	1@105	1@104	16.25	-19.69	16.25	34.24	2.6553
77C	30	40+80	658678	662666	DFT-s QPSK	1@105	1@104	18.06	-19.81	18.06	36.05	4.0278
77C	30	40+80	658678	662666	DFT-s 16 QAM	1@105	1@104	16.15	-19.82	16.15	34.14	2.5948
77C	30	70+50	648668	652660	DFT-s QPSK	1@105	1@22	18.26	-20.4	18.26	36.25	4.2175
77C	30	70+50	648668	652660	DFT-s 16 QAM	1@105	1@22	16.39	-20.41	16.39	34.38	2.7421
77C	30	70+50	654174	658166	DFT-s QPSK	1@105	1@22	18.37	-20.69	18.37	36.36	4.3257
77C	30	70+50	654174	658166	DFT-s 16 QAM	1@105	1@22	16.49	-20.7	16.49	34.48	2.8060
77C	30	70+50	659674	663666	DFT-s QPSK	1@105	1@22	18.22	-20.64	18.22	36.21	4.1788
77C	30	70+50	659674	663666	DFT-s 16 QAM	1@105	1@22	16.35	-20.65	16.35	34.34	2.7170
77C	30	50+70	648334	652326	DFT-s QPSK	1@105	1@76	18.21	-19.83	18.21	36.20	4.1693
77C	30	50+70	648334	652326	DFT-s 16 QAM	1@105	1@76	16.43	-19.84	16.43	34.42	2.7676
77C	30	50+70	653676	657668	DFT-s QPSK	1@105	1@76	18.23	-20.17	18.23	36.22	4.1885
77C	30	50+70	653676	657668	DFT-s 16 QAM	1@105	1@76	16.45	-20.18	16.45	34.44	2.7803
77C	30	50+70	659008	663000	DFT-s QPSK	1@105	1@76	18.13	-20.19	18.13	36.12	4.0932
77C	30	50+70	659008	663000	DFT-s 16 QAM	1@105	1@76	16.26	-20.2	16.26	34.25	2.6613
77C	30	60+60	648668	652668	DFT-s QPSK	1@105	1@47	18.27	-20.12	18.27	36.26	4.2273
77C	30	60+60	648668	652668	DFT-s 16 QAM	1@105	1@47	16.49	-20.13	16.49	34.48	2.8060
77C	30	60+60	654000	658000	DFT-s QPSK	1@105	1@47	18.29	-20.41	18.29	36.28	4.2468
77C	30	60+60	654000	658000	DFT-s 16 QAM	1@105	1@47	16.45	-20.42	16.45	34.44	2.7803
77C	30	60+60	659332	663332	DFT-s QPSK	1@105	1@47	18.21	-20.47	18.21	36.20	4.1693
77C	30	60+60	659332	663332	DFT-s 16 QAM	1@105	1@47	16.43	-20.48	16.43	34.42	2.7675
77C	30	100+15	650000	653808	DFT-s QPSK	1@240	1@0	19.85	-19.21	19.85	37.84	6.0821

77C	30	100+15	650000	653808	DFT-s 16 QAM	1@240	1@0	17.99	-19.22	17.99	35.98	3.9635
77C	30	100+15	655512	659320	DFT-s QPSK	1@240	1@0	19.78	-19.38	19.78	37.77	5.9848
77C	30	100+15	655512	659320	DFT-s 16 QAM	1@240	1@0	17.85	-19.39	17.85	35.84	3.8378
77C	30	100+15	661024	664832	DFT-s QPSK	1@240	1@0	19.82	-19.26	19.82	37.81	6.0402
77C	30	100+15	661024	664832	DFT-s 16 QAM	1@240	1@0	17.99	-19.27	17.99	35.98	3.9635
77C	30	15+100	647168	650976	DFT-s QPSK	1@37	1@36	17.77	-19.35	17.77	35.76	3.7678
77C	30	15+100	647168	650976	DFT-s 16 QAM	1@37	1@36	15.89	-19.36	15.89	33.88	2.4442
77C	30	15+100	652680	656488	DFT-s QPSK	1@37	1@36	17.74	-19.36	17.74	35.73	3.7418
77C	30	15+100	652680	656488	DFT-s 16 QAM	1@37	1@36	15.86	-19.37	15.86	33.85	2.4273
77C	30	15+100	658192	662000	DFT-s QPSK	1@37	1@36	17.75	-19.51	17.75	35.74	3.7504
77C	30	15+100	658192	662000	DFT-s 16 QAM	1@37	1@36	15.83	-19.52	15.83	33.82	2.4106
77C	30	90+25	649668	653492	DFT-s QPSK	1@187	1@0	19.87	-19.11	19.87	37.86	6.1102
77C	30	90+25	649668	653492	DFT-s 16 QAM	1@187	1@0	17.99	-19.12	17.99	35.98	3.9636
77C	30	90+25	655176	659000	DFT-s QPSK	1@187	1@0	19.91	-19.25	19.91	37.90	6.1667
77C	30	90+25	655176	659000	DFT-s 16 QAM	1@187	1@0	18.02	-19.27	18.02	36.01	3.9910
77C	30	90+25	660676	664500	DFT-s QPSK	1@187	1@0	19.74	-19.41	19.74	37.73	5.9300
77C	30	90+25	660676	664500	DFT-s 16 QAM	1@187	1@0	17.89	-19.42	17.89	35.88	3.8733
77C	30	25+90	647500	651324	DFT-s QPSK	1@64	1@62	18.03	-19.66	18.03	36.02	4.0001
77C	30	25+90	647500	651324	DFT-s 16 QAM	1@64	1@62	16.25	-19.67	16.25	34.24	2.6553
77C	30	25+90	653004	656828	DFT-s QPSK	1@64	1@62	17.94	-19.56	17.94	35.93	3.9181
77C	30	25+90	653004	656828	DFT-s 16 QAM	1@64	1@62	16.05	-19.57	16.05	34.04	2.5358
77C	30	25+90	658508	662332	DFT-s QPSK	1@64	1@62	17.9	-19.9	17.90	35.89	3.8821
77C	30	25+90	658508	662332	DFT-s 16 QAM	1@64	1@62	16.02	-19.91	16.02	34.01	2.5183
77C	30	100+10	650000	653640	DFT-s QPSK	1@254	1@0	19.83	-19.04	19.83	37.82	6.0542
77C	30	100+10	650000	653640	DFT-s 16 QAM	1@254	1@0	18.02	-19.05	18.02	36.01	3.9910
77C	30	100+10	655680	659320	DFT-s QPSK	1@254	1@0	19.88	-18.99	19.88	37.87	6.1243
77C	30	100+10	655680	659320	DFT-s 16 QAM	1@254	1@0	18.03	-19.02	18.03	36.02	4.0002
77C	30	100+10	661360	665000	DFT-s QPSK	1@254	1@0	19.81	-19.01	19.81	37.80	6.0264
77C	30	100+10	661360	665000	DFT-s 16 QAM	1@254	1@0	18.01	-19.02	18.01	36.00	3.9819
77C	30	10+100	647000	650640	DFT-s QPSK	1@23	1@22	15.86	-21.2	15.86	33.85	2.4271
77C	30	10+100	647000	650640	DFT-s 16 QAM	1@23	1@22	14.02	-21.21	14.02	32.01	1.5890
77C	30	10+100	652680	656320	DFT-s QPSK	1@23	1@22	16.04	-21.04	16.04	34.03	2.5298
77C	30	10+100	652680	656320	DFT-s 16 QAM	1@23	1@22	14.21	-21.05	14.21	32.20	1.6601
77C	30	10+100	658360	662000	DFT-s QPSK	1@23	1@22	15.99	-21.26	15.99	33.98	2.5008
77C	30	10+100	658360	662000	DFT-s 16 QAM	1@23	1@22	14.05	-21.27	14.05	32.04	1.6000
77C	30	90+20	649668	653328	DFT-s QPSK	1@202	1@0	19.83	-21.27	19.83	37.82	6.0539

77C	30	90+20	649668	653328	DFT-s 16 QAM	1@202	1@0	17.99	-21.28	17.99	35.98	3.9632
77C	30	90+20	655338	658998	DFT-s QPSK	1@202	1@0	19.86	-19.19	19.86	37.85	6.0961
77C	30	90+20	655338	658998	DFT-s 16 QAM	1@202	1@0	17.98	-19.21	17.98	35.97	3.9544
77C	30	90+20	661006	664666	DFT-s QPSK	1@202	1@0	19.73	-19.23	19.73	37.72	5.9164
77C	30	90+20	661006	664666	DFT-s 16 QAM	1@202	1@0	17.95	-19.24	17.95	35.94	3.9272
77C	30	20+90	647334	650994	DFT-s QPSK	1@50	1@48	18.08	-19.67	18.08	36.07	4.0464
77C	30	20+90	647334	650994	DFT-s 16 QAM	1@50	1@48	16.25	-19.68	16.25	34.24	2.6553
77C	30	20+90	653004	656664	DFT-s QPSK	1@50	1@48	18.09	-19.65	18.09	36.08	4.0558
77C	30	20+90	653004	656664	DFT-s 16 QAM	1@50	1@48	16.19	-19.66	16.19	34.18	2.6189
77C	30	20+90	658672	662332	DFT-s QPSK	1@50	1@48	18.04	-19.86	18.04	36.03	4.0093
77C	30	20+90	658672	662332	DFT-s 16 QAM	1@50	1@48	16.21	-19.87	16.21	34.20	2.6309
77C	30	80+30	649334	652990	DFT-s QPSK	1@144	1@0	19.87	-19.28	19.87	37.86	6.1102
77C	30	80+30	649334	652990	DFT-s 16 QAM	1@144	1@0	18.02	-19.29	18.02	36.01	3.9910
77C	30	80+30	655008	658664	DFT-s QPSK	1@144	1@0	19.85	-19.4	19.85	37.84	6.0821
77C	30	80+30	655008	658664	DFT-s 16 QAM	1@144	1@0	18.01	-19.42	18.01	36.00	3.9818
77C	30	80+30	660676	664332	DFT-s QPSK	1@144	1@0	19.73	-19.56	19.73	37.72	5.9163
77C	30	80+30	660676	664332	DFT-s 16 QAM	1@144	1@0	17.89	-19.57	17.89	35.88	3.8733
77C	30	30+80	647668	651324	DFT-s QPSK	1@77	1@75	17.77	-19.73	17.77	35.76	3.7677
77C	30	30+80	647668	651324	DFT-s 16 QAM	1@77	1@75	15.99	-19.74	15.99	33.98	2.5010
77C	30	30+80	653340	656996	DFT-s QPSK	1@77	1@75	17.87	-19.89	17.87	35.86	3.8554
77C	30	30+80	653340	656996	DFT-s 16 QAM	1@77	1@75	16.01	-19.92	16.01	34.00	2.5125
77C	30	30+80	659010	662666	DFT-s QPSK	1@77	1@75	17.73	-19.95	17.73	35.72	3.7331
77C	30	30+80	659010	662666	DFT-s 16 QAM	1@77	1@75	15.95	-19.96	15.95	33.94	2.4781
77C	30	70+40	648668	652324	DFT-s QPSK	1@96	1@3	18.29	-20.51	18.29	36.28	4.2468
77C	30	70+40	648668	652324	DFT-s 16 QAM	1@96	1@3	16.42	-20.52	16.42	34.41	2.7611
77C	30	70+40	654510	658166	DFT-s QPSK	1@96	1@3	18.36	-20.61	18.36	36.35	4.3157
77C	30	70+40	654510	658166	DFT-s 16 QAM	1@96	1@3	16.49	-20.62	16.49	34.48	2.8060
77C	30	70+40	660344	664000	DFT-s QPSK	1@96	1@3	18.19	-20.73	18.19	36.18	4.1501
77C	30	70+40	660344	664000	DFT-s 16 QAM	1@96	1@3	16.28	-20.74	16.28	34.27	2.6735
77C	30	40+70	648000	651656	DFT-s QPSK	1@96	1@86	18.26	-19.72	18.26	36.25	4.2176
77C	30	40+70	648000	651656	DFT-s 16 QAM	1@96	1@86	16.49	-19.73	16.49	34.48	2.8061
77C	30	40+70	653676	657332	DFT-s QPSK	1@96	1@86	18.25	-19.78	18.25	36.24	4.2079
77C	30	40+70	653676	657332	DFT-s 16 QAM	1@96	1@86	16.43	-19.88	16.43	34.42	2.7676
77C	30	40+70	659344	663000	DFT-s QPSK	1@96	1@86	18.12	-20.04	18.12	36.11	4.0838
77C	30	40+70	659344	663000	DFT-s 16 QAM	1@96	1@86	16.25	-20.05	16.25	34.24	2.6552
77C	30	60+50	648668	652320	DFT-s QPSK	1@96	1@31	18.31	-20.2	18.31	36.30	4.2664

77C	30	60+50	648668	652320	DFT-s 16 QAM	1@96	1@31	16.45	-20.25	16.45	34.44	2.7803
77C	30	60+50	654342	657994	DFT-s QPSK	1@96	1@31	18.34	-20.33	18.34	36.33	4.2959
77C	30	60+50	654342	657994	DFT-s 16 QAM	1@96	1@31	16.49	-20.36	16.49	34.48	2.8060
77C	30	60+50	660014	663666	DFT-s QPSK	1@96	1@31	18.24	-20.57	18.24	36.23	4.1981
77C	30	60+50	660014	663666	DFT-s 16 QAM	1@96	1@31	16.43	-20.59	16.43	34.42	2.7675
77C	30	50+60	648334	651986	DFT-s QPSK	1@96	1@58	18.28	-19.88	18.28	36.27	4.2371
77C	30	50+60	648334	651986	DFT-s 16 QAM	1@96	1@58	16.45	-19.91	16.45	34.44	2.7804
77C	30	50+60	654012	657664	DFT-s QPSK	1@96	1@58	18.33	-20.13	18.33	36.32	4.2861
77C	30	50+60	654012	657664	DFT-s 16 QAM	1@96	1@58	16.48	-20.15	16.48	34.47	2.7996
77C	30	50+60	659680	663332	DFT-s QPSK	1@96	1@58	18.14	-20.24	18.14	36.13	4.1026
77C	30	50+60	659680	663332	DFT-s 16 QAM	1@96	1@58	16.32	-20.26	16.32	34.31	2.6983
77C	30	90+15	649668	653140	DFT-s QPSK	1@243	1@36	19.92	-18.97	19.92	37.91	6.1810
77C	30	90+15	649668	653140	DFT-s 16 QAM	1@243	1@36	18.05	-19.01	18.05	36.04	4.0187
77C	30	90+15	655518	658990	DFT-s QPSK	1@243	1@36	19.77	-19.27	19.77	37.76	5.9711
77C	30	90+15	655518	658990	DFT-s 16 QAM	1@243	1@36	18.01	-19.28	18.01	36.00	3.9818
77C	30	90+15	661360	664832	DFT-s QPSK	1@243	1@36	19.88	-19.15	19.88	37.87	6.1243
77C	30	90+15	661360	664832	DFT-s 16 QAM	1@243	1@36	18.02	-19.16	18.02	36.01	3.9910
77C	30	15+90	647168	650640	DFT-s QPSK	1@37	1@36	17.8	-19.34	17.80	35.79	3.7939
77C	30	15+90	647168	650640	DFT-s 16 QAM	1@37	1@36	16.02	-19.35	16.02	34.01	2.5184
77C	30	15+90	653016	656488	DFT-s QPSK	1@37	1@36	17.82	-19.35	17.82	35.81	3.8114
77C	30	15+90	653016	656488	DFT-s 16 QAM	1@37	1@36	15.99	-19.36	15.99	33.98	2.5011
77C	30	15+90	658860	662332	DFT-s QPSK	1@37	1@36	17.77	-19.47	17.77	35.76	3.7677
77C	30	15+90	658860	662332	DFT-s 16 QAM	1@37	1@36	15.95	-19.48	15.95	33.94	2.4781
77C	30	80+25	649334	652822	DFT-s QPSK	1@215	1@63	19.84	-19.21	19.84	37.83	6.0681
77C	30	80+25	649334	652822	DFT-s 16 QAM	1@215	1@63	18.02	-19.22	18.02	36.01	3.9910
77C	30	80+25	655176	658664	DFT-s QPSK	1@215	1@63	19.94	-19.25	19.94	37.93	6.2094
77C	30	80+25	655176	658664	DFT-s 16 QAM	1@215	1@63	18.02	-19.26	18.02	36.01	3.9910
77C	30	80+25	661012	664500	DFT-s QPSK	1@215	1@63	19.89	-19.27	19.89	37.88	6.1384
77C	30	80+25	661012	664500	DFT-s 16 QAM	1@215	1@63	18.01	-19.28	18.01	36.00	3.9818
77C	30	25+80	647500	650988	DFT-s QPSK	1@63	1@60	18.03	-19.78	18.03	36.02	4.0001
77C	30	25+80	647500	650988	DFT-s 16 QAM	1@63	1@60	16.15	-19.8	16.15	34.14	2.5948
77C	30	25+80	653340	656828	DFT-s QPSK	1@63	1@60	18	-19.89	18.00	35.99	3.9726
77C	30	25+80	653340	656828	DFT-s 16 QAM	1@63	1@60	16.12	-19.91	16.12	34.11	2.5770
77C	30	25+80	659178	662666	DFT-s QPSK	1@63	1@60	17.91	-20.02	17.91	35.90	3.8911
77C	30	25+80	659178	662666	DFT-s 16 QAM	1@63	1@60	16.05	-20.03	16.05	34.04	2.5358

SCC Max Power

NR Band	SCS (kHz)	Bandwidth (MHz)	PCC Arfcn	SCC Arfcn	Modulation	PCC RB	SCC RB	PCC Power (dBm)	SCC Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77C	30	100+100	650000	656664	DFT-s BPSK	135@138	135@0	-5.2	19.39	19.41	37.40	5.4892
77C	30	100+100	650000	656664	DFT-s BPSK	1@181	1@87	-5.24	18.64	18.66	36.65	4.6214
77C	30	100+100	650000	656664	DFT-s QPSK	135@138	135@0	-5.34	19.35	19.36	37.35	5.4384
77C	30	100+100	650000	656664	DFT-s QPSK	1@181	1@87	-5.35	18.7	18.72	36.71	4.6850
77C	30	100+100	650000	656664	DFT-s 16 QAM	135@138	135@0	-5.23	19.34	19.36	37.35	5.4264
77C	30	100+100	650000	656664	DFT-s 16 QAM	1@181	1@87	-5.24	16.11	16.14	34.13	2.5892
77C	30	100+100	650000	656664	DFT-s 64 QAM	135@138	135@0	-5.16	17.44	17.46	35.45	3.5106
77C	30	100+100	650000	656664	DFT-s 64 QAM	1@181	1@87	-5.4	16.3	16.33	34.32	2.7035
77C	30	100+100	650000	656664	DFT-s 256 QAM	135@138	135@0	-5.3	16.01	16.04	34.03	2.5305
77C	30	100+100	650000	656664	DFT-s 256 QAM	1@181	1@87	-5.33	16.07	16.10	34.09	2.5653
77C	30	100+100	650000	656664	CP-OFDM QPSK	137@136	135@0	-5.17	17.96	17.98	35.97	3.9546
77C	30	100+100	650000	656664	CP-OFDM QPSK	1@181	1@87	-5.34	16.13	16.16	34.15	2.6007
77C	30	100+100	652668	659332	DFT-s BPSK	135@138	135@0	-5.12	19.26	19.28	37.27	5.3282
77C	30	100+100	652668	659332	DFT-s BPSK	1@181	1@87	-5.31	18.81	18.83	36.82	4.8048
77C	30	100+100	652668	659332	DFT-s QPSK	135@138	135@0	-5.25	19.27	19.29	37.28	5.3399
77C	30	100+100	652668	659332	DFT-s QPSK	1@181	1@87	-5.1	18.5	18.52	36.51	4.4760
77C	30	100+100	652668	659332	DFT-s 16 QAM	135@138	135@0	-5.38	19.27	19.28	37.27	5.3393
77C	30	100+100	652668	659332	DFT-s 16 QAM	1@181	1@87	-5.12	16.35	16.38	34.37	2.7358
77C	30	100+100	652668	659332	DFT-s 64 QAM	135@138	135@0	-5.27	17.39	17.41	35.40	3.4701
77C	30	100+100	652668	659332	DFT-s 64 QAM	1@181	1@87	-5.34	16.38	16.41	34.40	2.7537
77C	30	100+100	652668	659332	DFT-s 256 QAM	135@138	135@0	-5.26	15.39	15.43	33.42	2.1965
77C	30	100+100	652668	659332	DFT-s 256 QAM	1@181	1@87	-5.32	15.57	15.61	33.60	2.2884
77C	30	100+100	652668	659332	CP-OFDM QPSK	137@136	135@0	-5.12	17.93	17.95	35.94	3.9278
77C	30	100+100	652668	659332	CP-OFDM QPSK	1@181	1@87	-5.39	17.3	17.32	35.31	3.3988
77C	30	100+100	655336	662000	DFT-s BPSK	135@138	135@0	-5.39	19.23	19.24	37.23	5.2905
77C	30	100+100	655336	662000	DFT-s BPSK	1@181	1@87	-5.21	18.85	18.87	36.86	4.8496
77C	30	100+100	655336	662000	DFT-s QPSK	135@138	135@0	-5.15	19.21	19.23	37.22	5.2673
77C	30	100+100	655336	662000	DFT-s QPSK	1@181	1@87	-5.11	18.57	18.59	36.58	4.5484
77C	30	100+100	655336	662000	DFT-s 16 QAM	135@138	135@0	-5.13	19.21	19.23	37.22	5.2674
77C	30	100+100	655336	662000	DFT-s 16 QAM	1@181	1@87	-5.11	16.53	16.56	34.55	2.8508
77C	30	100+100	655336	662000	DFT-s 64 QAM	135@138	135@0	-5.32	17.37	17.39	35.38	3.4541
77C	30	100+100	655336	662000	DFT-s 64 QAM	1@181	1@87	-5.23	16.18	16.21	34.20	2.6310
77C	30	100+100	655336	662000	DFT-s 256 QAM	135@138	135@0	-5.26	15.42	15.46	33.45	2.2116

77C	30	100+100	655336	662000	DFT-s 256 QAM	1@181	1@87	-5.33	15.58	15.62	33.61	2.2935
77C	30	100+100	655336	662000	CP-OFDM QPSK	137@136	135@0	-5.28	17.81	17.83	35.82	3.8206
77C	30	100+100	655336	662000	CP-OFDM QPSK	1@181	1@87	-5.37	17.37	17.39	35.38	3.4539
77C	30	100+90	650000	656328	DFT-s QPSK	1@171	1@68	-5.18	18.76	18.78	36.77	4.7506
77C	30	100+90	650000	656328	DFT-s 16 QAM	1@171	1@68	-5.18	18.76	18.78	36.77	4.7506
77C	30	100+90	653004	659332	DFT-s QPSK	1@171	1@68	-5.39	18.61	18.63	36.62	4.5891
77C	30	100+90	653004	659332	DFT-s 16 QAM	1@171	1@68	-5.39	18.61	18.63	36.62	4.5891
77C	30	100+90	656004	662332	DFT-s QPSK	1@171	1@68	-5.32	18.46	18.48	36.47	4.4342
77C	30	100+90	656004	662332	DFT-s 16 QAM	1@171	1@68	-5.32	18.46	18.48	36.47	4.4342
77C	30	90+100	649668	655996	DFT-s QPSK	1@171	1@95	-5.31	18.81	18.83	36.82	4.8048
77C	30	90+100	649668	655996	DFT-s 16 QAM	1@171	1@95	-5.22	17.1	17.13	35.12	3.2474
77C	30	90+100	652674	659002	DFT-s QPSK	1@171	1@95	-5.25	18.56	18.58	36.57	4.5374
77C	30	90+100	652674	659002	DFT-s 16 QAM	1@171	1@95	-5.16	16.79	16.82	34.81	3.0253
77C	30	90+100	655672	662000	DFT-s QPSK	1@171	1@95	-5.27	18.57	18.59	36.58	4.5477
77C	30	90+100	655672	662000	DFT-s 16 QAM	1@171	1@95	-5.22	16.67	16.70	34.69	2.9431
77C	30	100+80	650000	655992	DFT-s QPSK	1@161	1@48	-5.12	18.78	18.80	36.79	4.7727
77C	30	100+80	650000	655992	DFT-s 16 QAM	1@161	1@48	-5.04	16.94	16.97	34.96	3.1314
77C	30	100+80	653340	659332	DFT-s QPSK	1@161	1@48	-5.36	18.51	18.53	36.52	4.4852
77C	30	100+80	653340	659332	DFT-s 16 QAM	1@161	1@48	-5.32	16.81	16.84	34.83	3.0384
77C	30	100+80	656674	662666	DFT-s QPSK	1@161	1@48	-5.33	18.65	18.67	36.66	4.6316
77C	30	100+80	656674	662666	DFT-s 16 QAM	1@161	1@48	-5.32	16.72	16.75	34.74	2.9765
77C	30	80+100	649334	655326	DFT-s QPSK	1@161	1@104	-5.35	18.75	18.77	36.76	4.7390
77C	30	80+100	649334	655326	DFT-s 16 QAM	1@161	1@104	-5.27	16.86	16.89	34.88	3.0736
77C	30	80+100	652674	658666	DFT-s QPSK	1@161	1@104	-5.19	18.63	18.65	36.64	4.6110
77C	30	80+100	652674	658666	DFT-s 16 QAM	1@161	1@104	-5.23	16.96	16.99	34.98	3.1450
77C	30	80+100	656008	662000	DFT-s QPSK	1@161	1@104	-5.14	18.55	18.57	36.56	4.5274
77C	30	80+100	656008	662000	DFT-s 16 QAM	1@161	1@104	-5.18	16.84	16.87	34.86	3.0600
77C	30	90+90	649668	655668	DFT-s QPSK	1@161	1@76	-5.37	18.43	18.45	36.44	4.4036
77C	30	90+90	649668	655668	DFT-s 16 QAM	1@161	1@76	-5.44	16.54	16.57	34.56	2.8559
77C	30	90+90	653004	659004	DFT-s QPSK	1@161	1@76	-5.14	18.47	18.49	36.48	4.4452
77C	30	90+90	653004	659004	DFT-s 16 QAM	1@161	1@76	-5.17	16.76	16.79	34.78	3.0045
77C	30	90+90	656332	662332	DFT-s QPSK	1@161	1@76	-5.36	18.59	18.61	36.60	4.5682
77C	30	90+90	656332	662332	DFT-s 16 QAM	1@161	1@76	-5.38	16.68	16.71	34.70	2.9491
77C	30	100+70	650000	655656	DFT-s QPSK	1@152	1@30	-5.35	18.61	18.63	36.62	4.5892
77C	30	100+70	650000	655656	DFT-s 16 QAM	1@152	1@30	-5.26	16.85	16.88	34.87	3.0666
77C	30	100+70	653676	659332	DFT-s QPSK	1@152	1@30	-5.28	18.49	18.51	36.50	4.4650

77C	30	100+70	653676	659332	DFT-s 16 QAM	1@152	1@30	-5.38	16.58	16.61	34.60	2.8824
77C	30	100+70	657334	663000	DFT-s QPSK	1@152	1@30	-5.14	18.45	18.47	36.46	4.4248
77C	30	100+70	657334	663000	DFT-s 16 QAM	1@152	1@30	-5.08	16.69	16.72	34.71	2.9572
77C	30	70+100	648668	654324	DFT-s QPSK	1@152	1@115	-5.15	18.43	18.45	36.44	4.4045
77C	30	70+100	648668	654324	DFT-s 16 QAM	1@152	1@115	-5.23	16.54	16.57	34.56	2.8568
77C	30	70+100	652506	658162	DFT-s QPSK	1@152	1@115	-5.37	18.42	18.44	36.43	4.3935
77C	30	70+100	652506	658162	DFT-s 16 QAM	1@152	1@115	-5.47	16.56	16.59	34.58	2.8689
77C	30	70+100	656344	662000	DFT-s QPSK	1@152	1@115	-5.29	18.53	18.55	36.54	4.5061
77C	30	70+100	656344	662000	DFT-s 16 QAM	1@152	1@115	-5.31	16.84	16.87	34.86	3.0594
77C	30	90+80	649668	654662	DFT-s QPSK	1@152	1@58	-5.21	18.49	18.51	36.50	4.4653
77C	30	90+80	649668	654662	DFT-s 16 QAM	1@152	1@58	-5.24	16.72	16.75	34.74	2.9768
77C	30	90+80	653340	659004	DFT-s QPSK	1@152	1@58	-5.32	18.48	18.50	36.49	4.4546
77C	30	90+80	653340	659004	DFT-s 16 QAM	1@152	1@58	-5.22	16.74	16.77	34.76	2.9906
77C	30	90+80	657002	662666	DFT-s QPSK	1@152	1@58	-5.32	18.41	18.43	36.42	4.3837
77C	30	90+80	657002	662666	DFT-s 16 QAM	1@152	1@58	-5.24	16.73	16.76	34.75	2.9837
77C	30	80+90	649334	654998	DFT-s QPSK	1@152	1@86	-5.2	18.56	18.58	36.57	4.5376
77C	30	80+90	649334	654998	DFT-s 16 QAM	1@152	1@86	-5.18	16.73	16.76	34.75	2.9839
77C	30	80+90	653004	658668	DFT-s QPSK	1@152	1@86	-5.36	18.64	18.66	36.65	4.6209
77C	30	80+90	653004	658668	DFT-s 16 QAM	1@152	1@86	-5.43	16.98	17.00	34.99	3.1585
77C	30	80+90	656668	662332	DFT-s QPSK	1@152	1@86	-5.15	18.42	18.44	36.43	4.3945
77C	30	80+90	656668	662332	DFT-s 16 QAM	1@152	1@86	-5.11	16.51	16.54	34.53	2.8378
77C	30	100+60	650000	655320	DFT-s QPSK	1@143	1@13	-5.3	18.11	18.13	36.12	4.0924
77C	30	100+60	650000	655320	DFT-s 16 QAM	1@143	1@13	-5.35	16.39	16.42	34.41	2.7599
77C	30	100+60	654006	659326	DFT-s QPSK	1@143	1@13	-5.32	18.29	18.31	36.30	4.2647
77C	30	100+60	654006	659326	DFT-s 16 QAM	1@143	1@13	-5.38	16.6	16.63	34.62	2.8956
77C	30	100+60	658012	663332	DFT-s QPSK	1@143	1@13	-5.1	18.31	18.33	36.32	4.2852
77C	30	100+60	658012	663332	DFT-s 16 QAM	1@143	1@13	-5.05	16.53	16.56	34.55	2.8511
77C	30	60+100	648668	653988	DFT-s QPSK	1@142	1@122	-5.38	18.47	18.49	36.48	4.4441
77C	30	60+100	648668	653988	DFT-s 16 QAM	1@142	1@122	-5.46	16.57	16.60	34.59	2.8755
77C	30	60+100	652674	657994	DFT-s QPSK	1@142	1@122	-5.35	18.68	18.70	36.69	4.6635
77C	30	60+100	652674	657994	DFT-s 16 QAM	1@142	1@122	-5.41	16.93	16.96	34.95	3.1227
77C	30	60+100	656680	662000	DFT-s QPSK	1@142	1@122	-5.32	18.75	18.77	36.76	4.7391
77C	30	60+100	656680	662000	DFT-s 16 QAM	1@142	1@122	-5.38	16.92	16.95	34.94	3.1157
77C	30	90+70	649668	654996	DFT-s QPSK	1@143	1@40	-5.17	18.45	18.47	36.46	4.4247
77C	30	90+70	649668	654996	DFT-s 16 QAM	1@143	1@40	-5.21	16.62	16.65	34.64	2.9096
77C	30	90+70	653670	658998	DFT-s QPSK	1@143	1@40	-5.23	18.59	18.61	36.60	4.5688

77C	30	90+70	653670	658998	DFT-s 16 QAM	1@143	1@40	-5.3	16.9	16.93	34.92	3.1018
77C	30	90+70	657672	663000	DFT-s QPSK	1@143	1@40	-5.21	18.49	18.51	36.50	4.4653
77C	30	90+70	657672	663000	DFT-s 16 QAM	1@143	1@40	-5.25	16.56	16.59	34.58	2.8698
77C	30	70+90	648668	653996	DFT-s QPSK	1@142	1@94	-5.34	18.69	18.71	36.70	4.6743
77C	30	70+90	648668	653996	DFT-s 16 QAM	1@142	1@94	-5.34	16.85	16.88	34.87	3.0663
77C	30	70+90	652836	658164	DFT-s QPSK	1@142	1@94	-5.17	18.65	18.67	36.66	4.6323
77C	30	70+90	652836	658164	DFT-s 16 QAM	1@142	1@94	-5.11	16.73	16.76	34.75	2.9842
77C	30	70+90	657004	662332	DFT-s QPSK	1@142	1@94	-5.19	18.63	18.65	36.64	4.6110
77C	30	70+90	657004	662332	DFT-s 16 QAM	1@142	1@94	-5.21	16.82	16.85	34.84	3.0459
77C	30	80+80	649334	654666	DFT-s QPSK	1@143	1@68	-5.37	18.63	18.65	36.64	4.6103
77C	30	80+80	649334	654666	DFT-s 16 QAM	1@143	1@68	-5.32	16.75	16.78	34.77	2.9970
77C	30	80+80	653334	658666	DFT-s QPSK	1@143	1@68	-5.23	18.56	18.58	36.57	4.5374
77C	30	80+80	653334	658666	DFT-s 16 QAM	1@143	1@68	-5.2	16.69	16.72	34.71	2.9567
77C	30	80+80	657334	662666	DFT-s QPSK	1@143	1@68	-5.36	18.65	18.67	36.66	4.6315
77C	30	80+80	657334	662666	DFT-s 16 QAM	1@143	1@68	-5.29	16.97	17.00	34.99	3.1519
77C	30	100+50	650000	654984	DFT-s QPSK	1@147	1@0	-5.16	18.12	18.14	36.13	4.1024
77C	30	100+50	650000	654984	DFT-s 16 QAM	1@147	1@0	-5.13	16.24	16.27	34.26	2.6678
77C	30	100+50	654342	659326	DFT-s QPSK	1@147	1@0	-5.15	18.51	18.53	36.52	4.4861
77C	30	100+50	654342	659326	DFT-s 16 QAM	1@147	1@0	-5.14	16.75	16.78	34.77	2.9978
77C	30	100+50	658682	663666	DFT-s QPSK	1@147	1@0	-5.33	18.32	18.34	36.33	4.2941
77C	30	100+50	658682	663666	DFT-s 16 QAM	1@147	1@0	-5.3	16.37	16.40	34.39	2.7476
77C	30	50+100	648334	653318	DFT-s QPSK	1@132	1@130	-5.32	18.36	18.38	36.37	4.3337
77C	30	50+100	648334	653318	DFT-s 16 QAM	1@132	1@130	-5.28	16.42	16.45	34.44	2.7792
77C	30	50+100	652680	657664	DFT-s QPSK	1@132	1@130	-5.12	18.66	18.68	36.67	4.6432
77C	30	50+100	652680	657664	DFT-s 16 QAM	1@132	1@130	-5.2	16.85	16.88	34.87	3.0669
77C	30	50+100	657016	662000	DFT-s QPSK	1@132	1@130	-5.15	18.28	18.30	36.29	4.2557
77C	30	50+100	657016	662000	DFT-s 16 QAM	1@132	1@130	-5.15	16.47	16.50	34.49	2.8118
77C	30	90+60	649668	654660	DFT-s QPSK	1@133	1@21	-5.21	18.23	18.25	36.24	4.2069
77C	30	90+60	649668	654660	DFT-s 16 QAM	1@133	1@21	-5.26	16.32	16.35	34.34	2.7165
77C	30	90+60	654006	658998	DFT-s QPSK	1@133	1@21	-5.11	18.35	18.37	36.36	4.3247
77C	30	90+60	654006	658998	DFT-s 16 QAM	1@133	1@21	-5.15	16.45	16.48	34.47	2.7989
77C	30	90+60	658340	663332	DFT-s QPSK	1@133	1@21	-5.17	18.36	18.38	36.37	4.3343
77C	30	90+60	658340	663332	DFT-s 16 QAM	1@133	1@21	-5.09	16.55	16.58	34.57	2.8640
77C	30	60+90	648668	653660	DFT-s QPSK	1@133	1@104	-5.11	18.42	18.44	36.43	4.3946
77C	30	60+90	648668	653660	DFT-s 16 QAM	1@133	1@104	-5.18	16.61	16.64	34.63	2.9031
77C	30	60+90	653004	657996	DFT-s QPSK	1@133	1@104	-5.32	18.74	18.76	36.75	4.7283

77C	30	60+90	653004	657996	DFT-s 16 QAM	1@133	1@104	-5.33	16.96	16.99	34.98	3.1445
77C	30	60+90	657340	662332	DFT-s QPSK	1@133	1@104	-5.32	18.45	18.47	36.46	4.4240
77C	30	60+90	657340	662332	DFT-s 16 QAM	1@133	1@104	-5.26	16.67	16.70	34.69	2.9429
77C	30	80+70	649334	654330	DFT-s QPSK	1@133	1@48	-5.16	18.39	18.41	36.40	4.3643
77C	30	80+70	649334	654330	DFT-s 16 QAM	1@133	1@48	-5.14	16.52	16.55	34.54	2.8442
77C	30	80+70	653670	658666	DFT-s QPSK	1@133	1@48	-5.17	18.74	18.76	36.75	4.7289
77C	30	80+70	653670	658666	DFT-s 16 QAM	1@133	1@48	-5.24	16.96	16.99	34.98	3.1449
77C	30	80+70	658004	663000	DFT-s QPSK	1@133	1@48	-5.16	18.63	18.65	36.64	4.6112
77C	30	80+70	658004	663000	DFT-s 16 QAM	1@133	1@48	-5.08	16.98	17.01	35.00	3.1601
77C	30	70+80	648668	653664	DFT-s QPSK	1@133	1@76	-5.2	18.33	18.35	36.34	4.3045
77C	30	70+80	648668	653664	DFT-s 16 QAM	1@133	1@76	-5.27	16.48	16.51	34.50	2.8177
77C	30	70+80	653172	658168	DFT-s QPSK	1@133	1@76	-5.37	18.71	18.73	36.72	4.6956
77C	30	70+80	653172	658168	DFT-s 16 QAM	1@133	1@76	-5.44	17.05	17.07	35.06	3.2095
77C	30	70+80	657670	662666	DFT-s QPSK	1@133	1@76	-5.36	18.68	18.70	36.69	4.6635
77C	30	70+80	657670	662666	DFT-s 16 QAM	1@133	1@76	-5.37	16.88	16.91	34.90	3.0873
77C	30	100+40	650000	654648	DFT-s QPSK	1@172	1@0	-5.17	18.38	18.40	36.39	4.3543
77C	30	100+40	650000	654648	DFT-s 16 QAM	1@172	1@0	-5.15	16.64	16.67	34.66	2.9233
77C	30	100+40	654678	659326	DFT-s QPSK	1@172	1@0	-5.35	18.23	18.25	36.24	4.2063
77C	30	100+40	654678	659326	DFT-s 16 QAM	1@172	1@0	-5.29	16.53	16.56	34.55	2.8500
77C	30	100+40	659352	664000	DFT-s QPSK	1@172	1@0	-5.11	18.58	18.60	36.59	4.5588
77C	30	100+40	659352	664000	DFT-s 16 QAM	1@172	1@0	-5.04	16.69	16.72	34.71	2.9574
77C	30	40+100	648000	652648	DFT-s QPSK	1@105	1@105	-5.1	18.61	18.63	36.62	4.5903
77C	30	40+100	648000	652648	DFT-s 16 QAM	1@105	1@105	-5.17	16.81	16.84	34.83	3.0391
77C	30	40+100	652680	657328	DFT-s QPSK	1@105	1@105	-5.27	18.56	18.58	36.57	4.5373
77C	30	40+100	652680	657328	DFT-s 16 QAM	1@105	1@105	-5.28	16.76	16.79	34.78	3.0040
77C	30	40+100	657352	662000	DFT-s QPSK	1@105	1@105	-5.24	18.32	18.34	36.33	4.2945
77C	30	40+100	657352	662000	DFT-s 16 QAM	1@105	1@105	-5.19	16.48	16.51	34.50	2.8180
77C	30	90+50	649668	654324	DFT-s QPSK	1@124	1@2	-5.38	18.19	18.21	36.20	4.1678
77C	30	90+50	649668	654324	DFT-s 16 QAM	1@124	1@2	-5.31	16.5	16.53	34.52	2.8304
77C	30	90+50	654342	658998	DFT-s QPSK	1@124	1@2	-5.29	18.2	18.22	36.21	4.1777
77C	30	90+50	654342	658998	DFT-s 16 QAM	1@124	1@2	-5.31	16.44	16.47	34.46	2.7919
77C	30	90+50	659010	663666	DFT-s QPSK	1@124	1@2	-5.24	18.29	18.31	36.30	4.2650
77C	30	90+50	659010	663666	DFT-s 16 QAM	1@124	1@2	-5.3	16.36	16.39	34.38	2.7413
77C	30	50+90	648334	652990	DFT-s QPSK	1@123	1@113	-5.19	18.04	18.06	36.05	4.0277
77C	30	50+90	648334	652990	DFT-s 16 QAM	1@123	1@113	-5.24	16.32	16.35	34.34	2.7166
77C	30	50+90	653010	657666	DFT-s QPSK	1@123	1@113	-5.38	17.74	17.76	35.75	3.7593

77C	30	50+90	653010	657666	DFT-s 16 QAM	1@123	1@113	-5.4	15.91	15.94	33.93	2.4729
77C	30	50+90	657676	662332	DFT-s QPSK	1@123	1@113	-5.12	17.91	17.93	35.92	3.9098
77C	30	50+90	657676	662332	DFT-s 16 QAM	1@123	1@113	-5.21	15.97	16.00	33.99	2.5078
77C	30	80+60	649334	653994	DFT-s QPSK	1@124	1@30	-5.11	17.9	17.92	35.91	3.9009
77C	30	80+60	649334	653994	DFT-s 16 QAM	1@124	1@30	-5.21	15.95	15.98	33.97	2.4964
77C	30	80+60	654006	658666	DFT-s QPSK	1@124	1@30	-5.33	17.85	17.87	35.86	3.8555
77C	30	80+60	654006	658666	DFT-s 16 QAM	1@124	1@30	-5.27	16.06	16.09	34.08	2.5597
77C	30	80+60	658672	663332	DFT-s QPSK	1@124	1@30	-5.4	17.87	17.89	35.88	3.8729
77C	30	80+60	658672	663332	DFT-s 16 QAM	1@124	1@30	-5.44	16.18	16.21	34.20	2.6302
77C	30	60+80	648668	653328	DFT-s QPSK	1@124	1@86	-5.4	18.09	18.11	36.10	4.0732
77C	30	60+80	648668	653328	DFT-s 16 QAM	1@124	1@86	-5.33	16.33	16.36	34.35	2.7224
77C	30	60+80	653340	658000	DFT-s QPSK	1@124	1@86	-5.29	18.28	18.30	36.29	4.2551
77C	30	60+80	653340	658000	DFT-s 16 QAM	1@124	1@86	-5.23	16.35	16.38	34.37	2.7353
77C	30	60+80	658006	662666	DFT-s QPSK	1@124	1@86	-5.26	18.48	18.50	36.49	4.4548
77C	30	60+80	658006	662666	DFT-s 16 QAM	1@124	1@86	-5.23	16.56	16.59	34.58	2.8699
77C	30	70+70	648668	653332	DFT-s QPSK	1@124	1@57	-5.18	18.34	18.36	36.35	4.3145
77C	30	70+70	648668	653332	DFT-s 16 QAM	1@124	1@57	-5.26	16.68	16.71	34.70	2.9496
77C	30	70+70	653502	658166	DFT-s QPSK	1@124	1@57	-5.37	18.49	18.51	36.50	4.4646
77C	30	70+70	653502	658166	DFT-s 16 QAM	1@124	1@57	-5.29	16.76	16.79	34.78	3.0040
77C	30	70+70	658336	663000	DFT-s QPSK	1@124	1@57	-5.24	18.56	18.58	36.57	4.5374
77C	30	70+70	658336	663000	DFT-s 16 QAM	1@124	1@57	-5.29	16.87	16.90	34.89	3.0806
77C	30	100+30	650000	654326	DFT-s QPSK	1@201	1@0	-5.3	18.72	18.74	36.73	4.7067
77C	30	100+30	650000	654326	DFT-s 16 QAM	1@201	1@0	-5.27	16.96	16.99	34.98	3.1448
77C	30	100+30	655008	659334	DFT-s QPSK	1@201	1@0	-5.2	18.94	18.96	36.95	4.9507
77C	30	100+30	655008	659334	DFT-s 16 QAM	1@201	1@0	-5.26	17.01	17.04	35.03	3.1810
77C	30	100+30	660006	664332	DFT-s QPSK	1@201	1@0	-5.39	18.96	18.98	36.97	4.9727
77C	30	100+30	660006	664332	DFT-s 16 QAM	1@201	1@0	-5.44	17.26	17.28	35.27	3.3676
77C	30	30+100	647668	651994	DFT-s QPSK	1@77	1@75	-5.18	18.49	18.51	36.50	4.4654
77C	30	30+100	647668	651994	DFT-s 16 QAM	1@77	1@75	-5.28	16.66	16.69	34.68	2.9361
77C	30	30+100	652674	657000	DFT-s QPSK	1@77	1@75	-5.33	18.5	18.52	36.51	4.4750
77C	30	30+100	652674	657000	DFT-s 16 QAM	1@77	1@75	-5.23	16.8	16.83	34.82	3.0319
77C	30	30+100	657674	662000	DFT-s QPSK	1@77	1@75	-5.26	18.39	18.41	36.40	4.3639
77C	30	30+100	657674	662000	DFT-s 16 QAM	1@77	1@75	-5.27	16.69	16.72	34.71	2.9564
77C	30	90+40	649668	653988	DFT-s QPSK	1@145	1@0	-5.31	18.02	18.04	36.03	4.0088
77C	30	90+40	649668	653988	DFT-s 16 QAM	1@145	1@0	-5.33	16.11	16.14	34.13	2.5888
77C	30	90+40	654678	658998	DFT-s QPSK	1@145	1@0	-5.16	18.27	18.29	36.28	4.2459

77C	30	90+40	654678	658998	DFT-s 16 QAM	1@145	1@0	-5.14	16.34	16.37	34.36	2.7295
77C	30	90+40	659680	664000	DFT-s QPSK	1@145	1@0	-5.3	18.18	18.20	36.19	4.1586
77C	30	90+40	659680	664000	DFT-s 16 QAM	1@145	1@0	-5.3	16.46	16.49	34.48	2.8047
77C	30	40+90	648000	652320	DFT-s QPSK	1@105	1@104	-5.2	18.36	18.38	36.37	4.3342
77C	30	40+90	648000	652320	DFT-s 16 QAM	1@105	1@104	-5.15	16.5	16.53	34.52	2.8311
77C	30	40+90	653010	657330	DFT-s QPSK	1@105	1@104	-5.28	18.79	18.81	36.80	4.7830
77C	30	40+90	653010	657330	DFT-s 16 QAM	1@105	1@104	-5.34	16.95	16.98	34.97	3.1373
77C	30	40+90	658012	662332	DFT-s QPSK	1@105	1@104	-5.26	18.43	18.45	36.44	4.4041
77C	30	40+90	658012	662332	DFT-s 16 QAM	1@105	1@104	-5.31	16.68	16.71	34.70	2.9494
77C	30	80+50	649334	653658	DFT-s QPSK	1@115	1@12	-5.37	18.23	18.25	36.24	4.2062
77C	30	80+50	649334	653658	DFT-s 16 QAM	1@115	1@12	-5.41	16.32	16.35	34.34	2.7159
77C	30	80+50	654342	658666	DFT-s QPSK	1@115	1@12	-5.31	18.2	18.22	36.21	4.1776
77C	30	80+50	654342	658666	DFT-s 16 QAM	1@115	1@12	-5.3	16.49	16.52	34.51	2.8240
77C	30	80+50	659342	663666	DFT-s QPSK	1@115	1@12	-5.37	18.35	18.37	36.36	4.3235
77C	30	80+50	659342	663666	DFT-s 16 QAM	1@115	1@12	-5.27	16.44	16.47	34.46	2.7920
77C	30	50+80	648334	652658	DFT-s QPSK	1@114	1@94	-5.13	18.29	18.31	36.30	4.2655
77C	30	50+80	648334	652658	DFT-s 16 QAM	1@114	1@94	-5.18	16.34	16.37	34.36	2.7293
77C	30	50+80	653340	657664	DFT-s QPSK	1@114	1@94	-5.36	18.65	18.67	36.66	4.6315
77C	30	50+80	653340	657664	DFT-s 16 QAM	1@114	1@94	-5.28	16.85	16.88	34.87	3.0666
77C	30	50+80	658342	662666	DFT-s QPSK	1@114	1@94	-5.34	18.49	18.51	36.50	4.4647
77C	30	50+80	658342	662666	DFT-s 16 QAM	1@114	1@94	-5.32	16.66	16.69	34.68	2.9359
77C	30	70+60	648668	652992	DFT-s QPSK	1@114	1@39	-5.22	18.21	18.23	36.22	4.1876
77C	30	70+60	648668	652992	DFT-s 16 QAM	1@114	1@39	-5.26	16.41	16.44	34.43	2.7730
77C	30	70+60	653838	658162	DFT-s QPSK	1@114	1@39	-5.17	18.38	18.40	36.39	4.3543
77C	30	70+60	653838	658162	DFT-s 16 QAM	1@114	1@39	-5.16	16.47	16.50	34.49	2.8117
77C	30	70+60	659008	663332	DFT-s QPSK	1@114	1@39	-5.32	17.91	17.93	35.92	3.9089
77C	30	70+60	659008	663332	DFT-s 16 QAM	1@114	1@39	-5.36	16.07	16.10	34.09	2.5652
77C	30	60+70	648668	652992	DFT-s QPSK	1@114	1@66	-5.22	18.18	18.20	36.19	4.1589
77C	30	60+70	648668	652992	DFT-s 16 QAM	1@114	1@66	-5.3	16.24	16.27	34.26	2.6671
77C	30	60+70	653676	658000	DFT-s QPSK	1@114	1@66	-5.12	18.51	18.53	36.52	4.4862
77C	30	60+70	653676	658000	DFT-s 16 QAM	1@114	1@66	-5.14	16.75	16.78	34.77	2.9978
77C	30	60+70	658676	663000	DFT-s QPSK	1@114	1@66	-5.37	18.2	18.22	36.21	4.1774
77C	30	60+70	658676	663000	DFT-s 16 QAM	1@114	1@66	-5.34	16.39	16.42	34.41	2.7600
77C	30	100+25	650000	654160	DFT-s QPSK	1@216	1@0	-5.14	18.47	18.49	36.48	4.4452
77C	30	100+25	650000	654160	DFT-s 16 QAM	1@216	1@0	-5.17	16.62	16.65	34.64	2.9098
77C	30	100+25	655170	659330	DFT-s QPSK	1@216	1@0	-5.31	18.86	18.88	36.87	4.8603

77C	30	100+25	655170	659330	DFT-s 16 QAM	1@216	1@0	-5.4	17.03	17.05	35.04	3.1950
77C	30	100+25	660304	664500	DFT-s QPSK	1@216	1@0	-5.37	18.81	18.83	36.82	4.8046
77C	30	100+25	660304	664500	DFT-s 16 QAM	1@216	1@0	-5.44	17.13	17.15	35.14	3.2689
77C	30	25+100	647500	651660	DFT-s QPSK	1@64	1@62	-5.29	18.05	18.07	36.06	4.0365
77C	30	25+100	647500	651660	DFT-s 16 QAM	1@64	1@62	-5.39	16.23	16.26	34.25	2.6606
77C	30	25+100	652674	656834	DFT-s QPSK	1@64	1@62	-5.37	18.21	18.23	36.22	4.1870
77C	30	25+100	652674	656834	DFT-s 16 QAM	1@64	1@62	-5.28	16.34	16.37	34.36	2.7289
77C	30	25+100	657840	662000	DFT-s QPSK	1@64	1@62	-5.22	18.01	18.03	36.02	4.0000
77C	30	25+100	657840	662000	DFT-s 16 QAM	1@64	1@62	-5.15	16.35	16.38	34.37	2.7357
77C	30	100+20	650000	653996	DFT-s QPSK	1@229	1@0	-5.37	18.64	18.66	36.65	4.6208
77C	30	100+20	650000	653996	DFT-s 16 QAM	1@229	1@0	-5.45	16.89	16.92	34.91	3.0940
77C	30	100+20	655338	659334	DFT-s QPSK	1@229	1@0	-5.3	18.58	18.60	36.59	4.5580
77C	30	100+20	655338	659334	DFT-s 16 QAM	1@229	1@0	-5.4	16.87	16.90	34.89	3.0801
77C	30	100+20	660670	664666	DFT-s QPSK	1@229	1@0	-5.11	19.07	19.09	37.08	5.1010
77C	30	100+20	660670	664666	DFT-s 16 QAM	1@229	1@0	-5.11	17.16	17.19	35.18	3.2928
77C	30	20+100	647334	651330	DFT-s QPSK	1@50	1@48	-5.17	18.28	18.30	36.29	4.2556
77C	30	20+100	647334	651330	DFT-s 16 QAM	1@50	1@48	-5.1	16.59	16.62	34.61	2.8902
77C	30	20+100	652674	656670	DFT-s QPSK	1@50	1@48	-5.18	18.12	18.14	36.13	4.1023
77C	30	20+100	652674	656670	DFT-s 16 QAM	1@50	1@48	-5.24	16.43	16.46	34.45	2.7858
77C	30	20+100	658004	662000	DFT-s QPSK	1@50	1@48	-5.39	18.04	18.06	36.05	4.0269
77C	30	20+100	658004	662000	DFT-s 16 QAM	1@50	1@48	-5.49	16.39	16.42	34.41	2.7594
77C	30	90+30	649668	653660	DFT-s QPSK	1@173	1@0	-5.29	18.4	18.42	36.41	4.3737
77C	30	90+30	649668	653660	DFT-s 16 QAM	1@173	1@0	-5.32	16.72	16.75	34.74	2.9765
77C	30	90+30	655008	659000	DFT-s QPSK	1@173	1@0	-5.28	18.75	18.77	36.76	4.7393
77C	30	90+30	655008	659000	DFT-s 16 QAM	1@173	1@0	-5.19	16.84	16.87	34.86	3.0599
77C	30	90+30	660340	664332	DFT-s QPSK	1@173	1@0	-5.18	18.58	18.60	36.59	4.5585
77C	30	90+30	660340	664332	DFT-s 16 QAM	1@173	1@0	-5.19	16.82	16.85	34.84	3.0460
77C	30	30+90	647668	651660	DFT-s QPSK	1@77	1@75	-5.12	18.31	18.33	36.32	4.2852
77C	30	30+90	647668	651660	DFT-s 16 QAM	1@77	1@75	-5.16	16.65	16.68	34.67	2.9299
77C	30	30+90	653004	656996	DFT-s QPSK	1@77	1@75	-5.4	18.23	18.25	36.24	4.2061
77C	30	30+90	653004	656996	DFT-s 16 QAM	1@77	1@75	-5.38	16.52	16.55	34.54	2.8431
77C	30	30+90	658340	662332	DFT-s QPSK	1@77	1@75	-5.32	18.14	18.16	36.15	4.1205
77C	30	30+90	658340	662332	DFT-s 16 QAM	1@77	1@75	-5.32	16.47	16.50	34.49	2.8110
77C	30	80+40	649334	653322	DFT-s QPSK	1@117	1@0	-5.4	17.55	17.57	35.56	3.5991
77C	30	80+40	649334	653322	DFT-s 16 QAM	1@117	1@0	-5.44	15.8	15.83	33.82	2.4113
77C	30	80+40	654678	658666	DFT-s QPSK	1@117	1@0	-5.36	17.82	17.84	35.83	3.8290

77C	30	80+40	654678	658666	DFT-s 16 QAM	1@117	1@0	-5.39	15.97	16.00	33.99	2.5071
77C	30	80+40	660012	664000	DFT-s QPSK	1@117	1@0	-5.13	17.41	17.43	35.42	3.4867
77C	30	80+40	660012	664000	DFT-s 16 QAM	1@117	1@0	-5.08	15.75	15.79	33.78	2.3855
77C	30	40+80	648000	651988	DFT-s QPSK	1@105	1@104	-5.29	17.88	17.90	35.89	3.8823
77C	30	40+80	648000	651988	DFT-s 16 QAM	1@105	1@104	-5.32	16.21	16.24	34.23	2.6488
77C	30	40+80	653340	657328	DFT-s QPSK	1@105	1@104	-5.22	17.76	17.78	35.77	3.7773
77C	30	40+80	653340	657328	DFT-s 16 QAM	1@105	1@104	-5.21	16.1	16.13	34.12	2.5835
77C	30	40+80	658678	662666	DFT-s QPSK	1@105	1@104	-5.3	17.91	17.93	35.92	3.9090
77C	30	40+80	658678	662666	DFT-s 16 QAM	1@105	1@104	-5.38	16.26	16.29	34.28	2.6790
77C	30	70+50	648668	652660	DFT-s QPSK	1@105	1@22	-5.14	17.68	17.70	35.69	3.7091
77C	30	70+50	648668	652660	DFT-s 16 QAM	1@105	1@22	-5.05	15.9	15.93	33.92	2.4687
77C	30	70+50	654174	658166	DFT-s QPSK	1@105	1@22	-5.2	17.83	17.85	35.84	3.8385
77C	30	70+50	654174	658166	DFT-s 16 QAM	1@105	1@22	-5.16	16.11	16.14	34.13	2.5896
77C	30	70+50	659674	663666	DFT-s QPSK	1@105	1@22	-5.22	17.73	17.75	35.74	3.7514
77C	30	70+50	659674	663666	DFT-s 16 QAM	1@105	1@22	-5.3	15.92	15.95	33.94	2.4789
77C	30	50+70	648334	652326	DFT-s QPSK	1@105	1@76	-5.15	17.93	17.95	35.94	3.9276
77C	30	50+70	648334	652326	DFT-s 16 QAM	1@105	1@76	-5.1	16.06	16.09	34.08	2.5604
77C	30	50+70	653676	657668	DFT-s QPSK	1@105	1@76	-5.28	17.87	17.89	35.88	3.8734
77C	30	50+70	653676	657668	DFT-s 16 QAM	1@105	1@76	-5.26	16.06	16.09	34.08	2.5597
77C	30	50+70	659008	663000	DFT-s QPSK	1@105	1@76	-5.35	17.76	17.78	35.77	3.7767
77C	30	50+70	659008	663000	DFT-s 16 QAM	1@105	1@76	-5.34	15.92	15.95	33.94	2.4788
77C	30	60+60	648668	652668	DFT-s QPSK	1@105	1@47	-5.21	17.78	17.80	35.79	3.7947
77C	30	60+60	648668	652668	DFT-s 16 QAM	1@105	1@47	-5.25	16.03	16.06	34.05	2.5423
77C	30	60+60	654000	658000	DFT-s QPSK	1@105	1@47	-5.29	17.92	17.94	35.93	3.9180
77C	30	60+60	654000	658000	DFT-s 16 QAM	1@105	1@47	-5.27	16.13	16.16	34.15	2.6010
77C	30	60+60	659332	663332	DFT-s QPSK	1@105	1@47	-5.2	17.71	17.73	35.72	3.7344
77C	30	60+60	659332	663332	DFT-s 16 QAM	1@105	1@47	-5.25	15.84	15.87	33.86	2.4343
77C	30	100+15	650000	653808	DFT-s QPSK	1@240	1@0	-5.2	18.27	18.29	36.28	4.2457
77C	30	100+15	650000	653808	DFT-s 16 QAM	1@240	1@0	-5.11	16.35	16.38	34.37	2.7358
77C	30	100+15	655512	659320	DFT-s QPSK	1@240	1@0	-5.18	18.04	18.06	36.05	4.0278
77C	30	100+15	655512	659320	DFT-s 16 QAM	1@240	1@0	-5.13	16.38	16.41	34.40	2.7546
77C	30	100+15	661024	664832	DFT-s QPSK	1@240	1@0	-5.16	18.22	18.24	36.23	4.1975
77C	30	100+15	661024	664832	DFT-s 16 QAM	1@240	1@0	-5.21	16.35	16.38	34.37	2.7354
77C	30	15+100	647168	650976	DFT-s QPSK	1@37	1@36	-5.29	17.52	17.54	35.53	3.5749
77C	30	15+100	647168	650976	DFT-s 16 QAM	1@37	1@36	-5.22	15.76	15.79	33.78	2.3903
77C	30	15+100	652680	656488	DFT-s QPSK	1@37	1@36	-5.39	17.54	17.56	35.55	3.5909

77C	30	15+100	652680	656488	DFT-s 16 QAM	1@37	1@36	-5.44	15.79	15.82	33.81	2.4058
77C	30	15+100	658192	662000	DFT-s QPSK	1@37	1@36	-5.39	17.45	17.47	35.46	3.5176
77C	30	15+100	658192	662000	DFT-s 16 QAM	1@37	1@36	-5.32	15.73	15.76	33.75	2.3735
77C	30	90+25	649668	653492	DFT-s QPSK	1@187	1@0	-5.3	18.71	18.73	36.72	4.6959
77C	30	90+25	649668	653492	DFT-s 16 QAM	1@187	1@0	-5.25	16.77	16.80	34.79	3.0111
77C	30	90+25	655176	659000	DFT-s QPSK	1@187	1@0	-5.19	18.55	18.57	36.56	4.5272
77C	30	90+25	655176	659000	DFT-s 16 QAM	1@187	1@0	-5.09	16.77	16.80	34.79	3.0118
77C	30	90+25	660676	664500	DFT-s QPSK	1@187	1@0	-5.39	18.54	18.56	36.55	4.5160
77C	30	90+25	660676	664500	DFT-s 16 QAM	1@187	1@0	-5.44	16.71	16.74	34.73	2.9692
77C	30	25+90	647500	651324	DFT-s QPSK	1@64	1@62	-5.17	17.94	17.96	35.95	3.9366
77C	30	25+90	647500	651324	DFT-s 16 QAM	1@64	1@62	-5.22	16.14	16.17	34.16	2.6071
77C	30	25+90	653004	656828	DFT-s QPSK	1@64	1@62	-5.26	18	18.02	36.01	3.9907
77C	30	25+90	653004	656828	DFT-s 16 QAM	1@64	1@62	-5.26	16.35	16.38	34.37	2.7352
77C	30	25+90	658508	662332	DFT-s QPSK	1@64	1@62	-5.26	17.86	17.88	35.87	3.8647
77C	30	25+90	658508	662332	DFT-s 16 QAM	1@64	1@62	-5.23	16.05	16.08	34.07	2.5540
77C	30	100+10	650000	653640	DFT-s QPSK	1@254	1@0	-5.15	18.56	18.58	36.57	4.5378
77C	30	100+10	650000	653640	DFT-s 16 QAM	1@254	1@0	-5.14	16.81	16.84	34.83	3.0392
77C	30	100+10	655680	659320	DFT-s QPSK	1@254	1@0	-5.25	18.52	18.54	36.53	4.4959
77C	30	100+10	655680	659320	DFT-s 16 QAM	1@254	1@0	-5.26	16.66	16.69	34.68	2.9362
77C	30	100+10	661360	665000	DFT-s QPSK	1@254	1@0	-5.34	18.49	18.51	36.50	4.4647
77C	30	100+10	661360	665000	DFT-s 16 QAM	1@254	1@0	-5.28	16.58	16.61	34.60	2.8828
77C	30	10+100	647000	650640	DFT-s QPSK	1@23	1@22	-5.4	15.77	15.80	33.79	2.3950
77C	30	10+100	647000	650640	DFT-s 16 QAM	1@23	1@22	-5.37	13.91	13.96	31.95	1.5671
77C	30	10+100	652680	656320	DFT-s QPSK	1@23	1@22	-5.11	15.92	15.95	33.94	2.4798
77C	30	10+100	652680	656320	DFT-s 16 QAM	1@23	1@22	-5.21	14.21	14.26	32.25	1.6786
77C	30	10+100	658360	662000	DFT-s QPSK	1@23	1@22	-5.11	15.66	15.70	33.69	2.3368
77C	30	10+100	658360	662000	DFT-s 16 QAM	1@23	1@22	-5.17	13.91	13.96	31.95	1.5680
77C	30	90+20	649668	653328	DFT-s QPSK	1@202	1@0	-5.4	18.59	18.61	36.60	4.5680
77C	30	90+20	649668	653328	DFT-s 16 QAM	1@202	1@0	-5.31	16.7	16.73	34.72	2.9630
77C	30	90+20	655338	658998	DFT-s QPSK	1@202	1@0	-5.37	18.55	18.57	36.56	4.5264
77C	30	90+20	655338	658998	DFT-s 16 QAM	1@202	1@0	-5.38	16.82	16.85	34.84	3.0452
77C	30	90+20	661006	664666	DFT-s QPSK	1@202	1@0	-5.33	18.48	18.50	36.49	4.4545
77C	30	90+20	661006	664666	DFT-s 16 QAM	1@202	1@0	-5.26	16.83	16.86	34.85	3.0526
77C	30	20+90	647334	650994	DFT-s QPSK	1@50	1@48	-5.3	17.93	17.95	35.94	3.9270
77C	30	20+90	647334	650994	DFT-s 16 QAM	1@50	1@48	-5.23	16.13	16.16	34.15	2.6011
77C	30	20+90	653004	656664	DFT-s QPSK	1@50	1@48	-5.18	18.01	18.03	36.02	4.0002

77C	30	20+90	653004	656664	DFT-s 16 QAM	1@50	1@48	-5.18	16.1	16.13	34.12	2.5836
77C	30	20+90	658672	662332	DFT-s QPSK	1@50	1@48	-5.11	17.82	17.84	35.83	3.8301
77C	30	20+90	658672	662332	DFT-s 16 QAM	1@50	1@48	-5.02	15.97	16.00	33.99	2.5087
77C	30	80+30	649334	652990	DFT-s QPSK	1@144	1@0	-5.2	14.47	14.52	32.51	1.7810
77C	30	80+30	649334	652990	DFT-s 16 QAM	1@144	1@0	-5.28	12.78	12.85	30.84	1.2127
77C	30	80+30	655008	658664	DFT-s QPSK	1@144	1@0	-5.24	18.57	18.59	36.58	4.5478
77C	30	80+30	655008	658664	DFT-s 16 QAM	1@144	1@0	-5.18	16.91	16.94	34.93	3.1094
77C	30	80+30	660676	664332	DFT-s QPSK	1@144	1@0	-5.29	18.38	18.40	36.39	4.3537
77C	30	80+30	660676	664332	DFT-s 16 QAM	1@144	1@0	-5.35	16.65	16.68	34.67	2.9291
77C	30	30+80	647668	651324	DFT-s QPSK	1@77	1@75	-5.37	16.85	16.88	34.87	3.0662
77C	30	30+80	647668	651324	DFT-s 16 QAM	1@77	1@75	-5.27	15.05	15.09	33.08	2.0324
77C	30	30+80	653340	656996	DFT-s QPSK	1@77	1@75	-5.19	17.88	17.90	35.89	3.8827
77C	30	30+80	653340	656996	DFT-s 16 QAM	1@77	1@75	-5.15	16.17	16.20	34.19	2.6254
77C	30	30+80	659010	662666	DFT-s QPSK	1@77	1@75	-5.15	17.78	17.80	35.79	3.7950
77C	30	30+80	659010	662666	DFT-s 16 QAM	1@77	1@75	-5.07	15.86	15.89	33.88	2.4462
77C	30	70+40	648668	652324	DFT-s QPSK	1@96	1@3	-5.31	17.59	17.61	35.60	3.6326
77C	30	70+40	648668	652324	DFT-s 16 QAM	1@96	1@3	-5.4	15.81	15.84	33.83	2.4170
77C	30	70+40	654510	658166	DFT-s QPSK	1@96	1@3	-5.29	13.08	13.14	31.13	1.2980
77C	30	70+40	654510	658166	DFT-s 16 QAM	1@96	1@3	-5.26	11.41	11.50	29.49	0.8897
77C	30	70+40	660344	664000	DFT-s QPSK	1@96	1@3	-5.11	17.53	17.55	35.54	3.5839
77C	30	70+40	660344	664000	DFT-s 16 QAM	1@96	1@3	-5.21	15.86	15.89	33.88	2.4456
77C	30	40+70	648000	651656	DFT-s QPSK	1@96	1@86	-5.26	17.95	17.97	35.96	3.9452
77C	30	40+70	648000	651656	DFT-s 16 QAM	1@96	1@86	-5.29	16.09	16.12	34.11	2.5772
77C	30	40+70	653676	657332	DFT-s QPSK	1@96	1@86	-5.35	17.16	17.18	35.17	3.2918
77C	30	40+70	653676	657332	DFT-s 16 QAM	1@96	1@86	-5.32	15.26	15.30	33.29	2.1320
77C	30	40+70	659344	663000	DFT-s QPSK	1@96	1@86	-5.14	17.9	17.92	35.91	3.9008
77C	30	40+70	659344	663000	DFT-s 16 QAM	1@96	1@86	-5.12	16.19	16.22	34.21	2.6375
77C	30	60+50	648668	652320	DFT-s QPSK	1@96	1@31	-5.38	17.81	17.83	35.82	3.8201
77C	30	60+50	648668	652320	DFT-s 16 QAM	1@96	1@31	-5.48	16.08	16.11	34.10	2.5705
77C	30	60+50	654342	657994	DFT-s QPSK	1@96	1@31	-5.34	18.09	18.11	36.10	4.0735
77C	30	60+50	654342	657994	DFT-s 16 QAM	1@96	1@31	-5.26	16.23	16.26	34.25	2.6612
77C	30	60+50	660014	663666	DFT-s QPSK	1@96	1@31	-5.13	17.74	17.76	35.75	3.7604
77C	30	60+50	660014	663666	DFT-s 16 QAM	1@96	1@31	-5.19	15.92	15.95	33.94	2.4794
77C	30	50+60	648334	651986	DFT-s QPSK	1@96	1@58	-5.31	17.95	17.97	35.96	3.9450
77C	30	50+60	648334	651986	DFT-s 16 QAM	1@96	1@58	-5.21	16.2	16.23	34.22	2.6432
77C	30	50+60	654012	657664	DFT-s QPSK	1@96	1@58	-5.37	17.81	17.83	35.82	3.8202

77C	30	50+60	654012	657664	DFT-s 16 QAM	1@96	1@58	-5.45	15.95	15.98	33.97	2.4954
77C	30	50+60	659680	663332	DFT-s QPSK	1@96	1@58	-5.18	18.37	18.39	36.38	4.3442
77C	30	50+60	659680	663332	DFT-s 16 QAM	1@96	1@58	-5.2	16.44	16.47	34.46	2.7923
77C	30	90+15	649668	653140	DFT-s QPSK	1@243	1@36	-5.4	18.38	18.40	36.39	4.3533
77C	30	90+15	649668	653140	DFT-s 16 QAM	1@243	1@36	-5.39	16.51	16.54	34.53	2.8366
77C	30	90+15	655518	658990	DFT-s QPSK	1@243	1@36	-5.23	18.09	18.11	36.10	4.0740
77C	30	90+15	655518	658990	DFT-s 16 QAM	1@243	1@36	-5.21	16.27	16.30	34.29	2.6858
77C	30	90+15	661360	664832	DFT-s QPSK	1@243	1@36	-5.15	18.28	18.30	36.29	4.2557
77C	30	90+15	661360	664832	DFT-s 16 QAM	1@243	1@36	-5.14	16.63	16.66	34.65	2.9166
77C	30	15+90	647168	650640	DFT-s QPSK	1@37	1@36	-5.2	17.53	17.55	35.54	3.5835
77C	30	15+90	647168	650640	DFT-s 16 QAM	1@37	1@36	-5.27	15.64	15.68	33.67	2.3255
77C	30	15+90	653016	656488	DFT-s QPSK	1@37	1@36	-5.16	17.77	17.79	35.78	3.7862
77C	30	15+90	653016	656488	DFT-s 16 QAM	1@37	1@36	-5.2	16.09	16.12	34.11	2.5776
77C	30	15+90	658860	662332	DFT-s QPSK	1@37	1@36	-5.37	17.7	17.72	35.71	3.7251
77C	30	15+90	658860	662332	DFT-s 16 QAM	1@37	1@36	-5.42	15.75	15.78	33.77	2.3840
77C	30	80+25	649334	652822	DFT-s QPSK	1@215	1@63	-5.29	18.35	18.37	36.36	4.3239
77C	30	80+25	649334	652822	DFT-s 16 QAM	1@215	1@63	-5.36	16.47	16.50	34.49	2.8109
77C	30	80+25	655176	658664	DFT-s QPSK	1@215	1@63	-5.26	18.57	18.59	36.58	4.5477
77C	30	80+25	655176	658664	DFT-s 16 QAM	1@215	1@63	-5.32	16.7	16.73	34.72	2.9629
77C	30	80+25	661012	664500	DFT-s QPSK	1@215	1@63	-5.16	18.64	18.66	36.65	4.6218
77C	30	80+25	661012	664500	DFT-s 16 QAM	1@215	1@63	-5.23	16.95	16.98	34.97	3.1378
77C	30	25+80	647500	650988	DFT-s QPSK	1@63	1@60	-5.13	17.95	17.97	35.96	3.9458
77C	30	25+80	647500	650988	DFT-s 16 QAM	1@63	1@60	-5.21	16.3	16.33	34.32	2.7043
77C	30	25+80	653340	656828	DFT-s QPSK	1@63	1@60	-5.15	17.97	17.99	35.98	3.9638
77C	30	25+80	653340	656828	DFT-s 16 QAM	1@63	1@60	-5.08	16.31	16.34	34.33	2.7111
77C	30	25+80	659178	662666	DFT-s QPSK	1@63	1@60	-5.11	17.77	17.79	35.78	3.7864
77C	30	25+80	659178	662666	DFT-s 16 QAM	1@63	1@60	-5.18	16.1	16.13	34.12	2.5836

PCC+SCC Average Power

NR Band	SCS (kHz)	Bandwidth (MHz)	PCC Arfcn	SCC Arfcn	Modulation	PCC RB	SCC RB	PCC Power (dBm)	SCC Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77C	30	100+100	650000	656664	DFT-s BPSK	135@138	135@0	17.58	16.68	20.16	38.15	6.5367
77C	30	100+100	650000	656664	DFT-s BPSK	1@181	1@87	15.35	15.96	18.68	36.67	4.6409
77C	30	100+100	650000	656664	DFT-s QPSK	135@138	135@0	17.65	16.75	20.23	38.22	6.6429
77C	30	100+100	650000	656664	DFT-s QPSK	1@181	1@87	15.23	15.73	18.50	36.49	4.4540
77C	30	100+100	650000	656664	DFT-s 16 QAM	135@138	135@0	17.64	16.7	20.21	38.20	6.6004
77C	30	100+100	650000	656664	DFT-s 16 QAM	1@181	1@87	13.38	13.27	16.34	34.33	2.7075
77C	30	100+100	650000	656664	DFT-s 64 QAM	135@138	135@0	14.78	14.91	17.86	35.85	3.8422
77C	30	100+100	650000	656664	DFT-s 64 QAM	1@181	1@87	13.35	13.27	16.32	34.31	2.6980
77C	30	100+100	650000	656664	DFT-s 256 QAM	135@138	135@0	12.34	12.17	15.27	33.26	2.1165
77C	30	100+100	650000	656664	DFT-s 256 QAM	1@181	1@87	13.17	12.3	15.77	33.76	2.3752
77C	30	100+100	650000	656664	CP-OFDM QPSK	137@136	135@0	16.79	15.75	19.31	37.30	5.3720
77C	30	100+100	650000	656664	CP-OFDM QPSK	1@181	1@87	14.36	15.03	17.72	35.71	3.7224
77C	30	100+100	652668	659332	DFT-s BPSK	135@138	135@0	17.9	16.66	20.33	38.32	6.7989
77C	30	100+100	652668	659332	DFT-s BPSK	1@181	1@87	15.5	15.68	18.60	36.59	4.5617
77C	30	100+100	652668	659332	DFT-s QPSK	135@138	135@0	17.85	16.61	20.28	38.27	6.7211
77C	30	100+100	652668	659332	DFT-s QPSK	1@181	1@87	15.46	15.7	18.59	36.58	4.5519
77C	30	100+100	652668	659332	DFT-s 16 QAM	135@138	135@0	17.84	16.63	20.29	38.28	6.7256
77C	30	100+100	652668	659332	DFT-s 16 QAM	1@181	1@87	12.92	13.09	16.02	34.01	2.5154
77C	30	100+100	652668	659332	DFT-s 64 QAM	135@138	135@0	14.83	14.65	17.75	35.74	3.7508
77C	30	100+100	652668	659332	DFT-s 64 QAM	1@181	1@87	12.85	12.99	15.93	33.92	2.4665
77C	30	100+100	652668	659332	DFT-s 256 QAM	135@138	135@0	12.62	12.84	15.74	33.73	2.3614
77C	30	100+100	652668	659332	DFT-s 256 QAM	1@181	1@87	12.72	12.06	15.41	33.40	2.1892
77C	30	100+100	652668	659332	CP-OFDM QPSK	137@136	135@0	16.86	15.56	19.27	37.26	5.3196
77C	30	100+100	652668	659332	CP-OFDM QPSK	1@181	1@87	14.52	14.62	17.58	35.57	3.6063
77C	30	100+100	655336	662000	DFT-s BPSK	135@138	135@0	17.67	16.57	20.17	38.16	6.5389
77C	30	100+100	655336	662000	DFT-s BPSK	1@181	1@87	15.34	15.61	18.49	36.48	4.4436
77C	30	100+100	655336	662000	DFT-s QPSK	135@138	135@0	17.71	16.64	20.22	38.21	6.6194
77C	30	100+100	655336	662000	DFT-s QPSK	1@181	1@87	15.54	15.89	18.73	36.72	4.6977
77C	30	100+100	655336	662000	DFT-s 16 QAM	135@138	135@0	17.69	16.61	20.19	38.18	6.5823
77C	30	100+100	655336	662000	DFT-s 16 QAM	1@181	1@87	12.86	13.18	16.03	34.02	2.5254
77C	30	100+100	655336	662000	DFT-s 64 QAM	135@138	135@0	14.75	14.7	17.74	35.73	3.7371
77C	30	100+100	655336	662000	DFT-s 64 QAM	1@181	1@87	13.03	13.16	16.11	34.10	2.5679
77C	30	100+100	655336	662000	DFT-s 256 QAM	135@138	135@0	12.8	12.7	15.76	33.75	2.3717

77C	30	100+100	655336	662000	DFT-s 256 QAM	1@181	1@87	12.69	12.03	15.38	33.37	2.1741
77C	30	100+100	655336	662000	CP-OFDM QPSK	137@136	135@0	16.77	15.61	19.24	37.23	5.2831
77C	30	100+100	655336	662000	CP-OFDM QPSK	1@181	1@87	14.43	14.93	17.70	35.69	3.7047
77C	30	100+90	650000	656328	DFT-s QPSK	1@171	1@68	15.3	15.96	18.65	36.64	4.6162
77C	30	100+90	650000	656328	DFT-s 16 QAM	1@171	1@68	13.25	13.74	16.51	34.50	2.8198
77C	30	100+90	653004	659332	DFT-s QPSK	1@171	1@68	15.51	15.74	18.64	36.63	4.5992
77C	30	100+90	653004	659332	DFT-s 16 QAM	1@171	1@68	13.14	13.67	16.42	34.41	2.7627
77C	30	100+90	656004	662332	DFT-s QPSK	1@171	1@68	15.43	15.88	18.67	36.66	4.6357
77C	30	100+90	656004	662332	DFT-s 16 QAM	1@171	1@68	13.09	13.82	16.48	34.47	2.7994
77C	30	90+100	649668	655996	DFT-s QPSK	1@171	1@95	16	16.05	19.04	37.03	5.0412
77C	30	90+100	649668	655996	DFT-s 16 QAM	1@171	1@95	13.79	13.96	16.89	34.88	3.0734
77C	30	90+100	652674	659002	DFT-s QPSK	1@171	1@95	15.69	15.85	18.78	36.77	4.7545
77C	30	90+100	652674	659002	DFT-s 16 QAM	1@171	1@95	13.53	13.47	16.51	34.50	2.8186
77C	30	90+100	655672	662000	DFT-s QPSK	1@171	1@95	15.47	15.95	18.73	36.72	4.6956
77C	30	90+100	655672	662000	DFT-s 16 QAM	1@171	1@95	13.14	13.74	16.46	34.45	2.7865
77C	30	100+80	650000	655992	DFT-s QPSK	1@161	1@48	15.2	15.99	18.62	36.61	4.5848
77C	30	100+80	650000	655992	DFT-s 16 QAM	1@161	1@48	13.04	13.82	16.46	34.45	2.7847
77C	30	100+80	653340	659332	DFT-s QPSK	1@161	1@48	15.52	15.7	18.62	36.61	4.5827
77C	30	100+80	653340	659332	DFT-s 16 QAM	1@161	1@48	13.4	13.65	16.54	34.53	2.8360
77C	30	100+80	656674	662666	DFT-s QPSK	1@161	1@48	15.38	15.8	18.61	36.60	4.5660
77C	30	100+80	656674	662666	DFT-s 16 QAM	1@161	1@48	13.1	13.41	16.27	34.26	2.6657
77C	30	80+100	649334	655326	DFT-s QPSK	1@161	1@104	16.11	16.07	19.10	37.09	5.1172
77C	30	80+100	649334	655326	DFT-s 16 QAM	1@161	1@104	13.71	13.8	16.77	34.76	2.9892
77C	30	80+100	652674	658666	DFT-s QPSK	1@161	1@104	15.32	15.57	18.46	36.45	4.4128
77C	30	80+100	652674	658666	DFT-s 16 QAM	1@161	1@104	13.24	13.52	16.39	34.38	2.7432
77C	30	80+100	656008	662000	DFT-s QPSK	1@161	1@104	15.2	15.7	18.47	36.46	4.4233
77C	30	80+100	656008	662000	DFT-s 16 QAM	1@161	1@104	12.96	13.42	16.21	34.20	2.6281
77C	30	90+90	649668	655668	DFT-s QPSK	1@161	1@76	15.94	16.06	19.01	37.00	5.0127
77C	30	90+90	649668	655668	DFT-s 16 QAM	1@161	1@76	13.67	14.04	16.87	34.86	3.0614
77C	30	90+90	653004	659004	DFT-s QPSK	1@161	1@76	15.62	15.41	18.53	36.52	4.4839
77C	30	90+90	653004	659004	DFT-s 16 QAM	1@161	1@76	13.49	13.27	16.39	34.38	2.7426
77C	30	90+90	656332	662332	DFT-s QPSK	1@161	1@76	15.44	15.57	18.52	36.51	4.4728
77C	30	90+90	656332	662332	DFT-s 16 QAM	1@161	1@76	13.1	13.53	16.33	34.32	2.7043
77C	30	100+70	650000	655656	DFT-s QPSK	1@152	1@30	16.09	16	19.06	37.05	5.0647
77C	30	100+70	650000	655656	DFT-s 16 QAM	1@152	1@30	13.84	13.99	16.93	34.92	3.1017
77C	30	100+70	653676	659332	DFT-s QPSK	1@152	1@30	16.12	16.09	19.12	37.11	5.1349

77C	30	100+70	653676	659332	DFT-s 16 QAM	1@152	1@30	14.1	13.9	17.01	35.00	3.1633
77C	30	100+70	657334	663000	DFT-s QPSK	1@152	1@30	16.1	15.99	19.06	37.05	5.0648
77C	30	100+70	657334	663000	DFT-s 16 QAM	1@152	1@30	14.08	13.65	16.88	34.87	3.0695
77C	30	70+100	648668	654324	DFT-s QPSK	1@152	1@115	15.98	16	19.00	36.99	5.0007
77C	30	70+100	648668	654324	DFT-s 16 QAM	1@152	1@115	13.97	13.61	16.80	34.79	3.0158
77C	30	70+100	652506	658162	DFT-s QPSK	1@152	1@115	16.03	15.97	19.01	37.00	5.0123
77C	30	70+100	652506	658162	DFT-s 16 QAM	1@152	1@115	13.71	13.58	16.66	34.65	2.9146
77C	30	70+100	656344	662000	DFT-s QPSK	1@152	1@115	15.97	15.92	18.96	36.95	4.9492
77C	30	70+100	656344	662000	DFT-s 16 QAM	1@152	1@115	13.73	13.78	16.77	34.76	2.9891
77C	30	90+80	649668	654662	DFT-s QPSK	1@152	1@58	15.97	15.16	18.59	36.58	4.5542
77C	30	90+80	649668	654662	DFT-s 16 QAM	1@152	1@58	13.73	13.16	16.46	34.45	2.7891
77C	30	90+80	653340	659004	DFT-s QPSK	1@152	1@58	15.95	15.17	18.59	36.58	4.5476
77C	30	90+80	653340	659004	DFT-s 16 QAM	1@152	1@58	13.84	13	16.45	34.44	2.7801
77C	30	90+80	657002	662666	DFT-s QPSK	1@152	1@58	15.99	15.21	18.63	36.62	4.5896
77C	30	90+80	657002	662666	DFT-s 16 QAM	1@152	1@58	13.88	13.1	16.52	34.51	2.8234
77C	30	80+90	649334	654998	DFT-s QPSK	1@152	1@86	16.05	16.06	19.07	37.06	5.0761
77C	30	80+90	649334	654998	DFT-s 16 QAM	1@152	1@86	14	13.9	16.96	34.95	3.1265
77C	30	80+90	653004	658668	DFT-s QPSK	1@152	1@86	16.03	15.96	19.01	37.00	5.0066
77C	30	80+90	653004	658668	DFT-s 16 QAM	1@152	1@86	13.63	13.93	16.79	34.78	3.0081
77C	30	80+90	656668	662332	DFT-s QPSK	1@152	1@86	16.07	15.98	19.04	37.03	5.0414
77C	30	80+90	656668	662332	DFT-s 16 QAM	1@152	1@86	13.73	13.83	16.79	34.78	3.0065
77C	30	100+60	650000	655320	DFT-s QPSK	1@143	1@13	14.98	15.56	18.29	36.28	4.2462
77C	30	100+60	650000	655320	DFT-s 16 QAM	1@143	1@13	12.82	13.39	16.12	34.11	2.5791
77C	30	100+60	654006	659326	DFT-s QPSK	1@143	1@13	15.55	15.54	18.56	36.55	4.5137
77C	30	100+60	654006	659326	DFT-s 16 QAM	1@143	1@13	13.36	13.24	16.31	34.30	2.6920
77C	30	100+60	658012	663332	DFT-s QPSK	1@143	1@13	15.67	15.73	18.71	36.70	4.6778
77C	30	100+60	658012	663332	DFT-s 16 QAM	1@143	1@13	13.42	13.71	16.58	34.57	2.8627
77C	30	60+100	648668	653988	DFT-s QPSK	1@142	1@122	15.73	15.1	18.44	36.43	4.3921
77C	30	60+100	648668	653988	DFT-s 16 QAM	1@142	1@122	13.51	12.91	16.23	34.22	2.6428
77C	30	60+100	652674	657994	DFT-s QPSK	1@142	1@122	15.55	15.53	18.55	36.54	4.5085
77C	30	60+100	652674	657994	DFT-s 16 QAM	1@142	1@122	13.46	13.44	16.46	34.45	2.7863
77C	30	60+100	656680	662000	DFT-s QPSK	1@142	1@122	15.49	15.56	18.54	36.53	4.4931
77C	30	60+100	656680	662000	DFT-s 16 QAM	1@142	1@122	13.19	13.23	16.22	34.21	2.6365
77C	30	90+70	649668	654996	DFT-s QPSK	1@143	1@40	15.99	15.11	18.58	36.57	4.5421
77C	30	90+70	649668	654996	DFT-s 16 QAM	1@143	1@40	13.73	12.9	16.35	34.34	2.7134
77C	30	90+70	653670	658998	DFT-s QPSK	1@143	1@40	15.59	15.47	18.54	36.53	4.4985

77C	30	90+70	653670	658998	DFT-s 16 QAM	1@143	1@40	13.4	13.08	16.25	34.24	2.6566
77C	30	90+70	657672	663000	DFT-s QPSK	1@143	1@40	15.64	15.66	18.66	36.65	4.6241
77C	30	90+70	657672	663000	DFT-s 16 QAM	1@143	1@40	13.32	13.6	16.47	34.46	2.7942
77C	30	70+90	648668	653996	DFT-s QPSK	1@142	1@94	15.42	15.66	18.55	36.54	4.5102
77C	30	70+90	648668	653996	DFT-s 16 QAM	1@142	1@94	13.24	13.45	16.36	34.35	2.7206
77C	30	70+90	652836	658164	DFT-s QPSK	1@142	1@94	15.51	15.7	18.62	36.61	4.5776
77C	30	70+90	652836	658164	DFT-s 16 QAM	1@142	1@94	13.15	13.51	16.34	34.33	2.7127
77C	30	70+90	657004	662332	DFT-s QPSK	1@142	1@94	15.7	15.94	18.83	36.82	4.8106
77C	30	70+90	657004	662332	DFT-s 16 QAM	1@142	1@94	13.52	13.64	16.59	34.58	2.8713
77C	30	80+80	649334	654666	DFT-s QPSK	1@143	1@68	15.49	15.66	18.59	36.58	4.5458
77C	30	80+80	649334	654666	DFT-s 16 QAM	1@143	1@68	13.21	13.53	16.38	34.37	2.7373
77C	30	80+80	653334	658666	DFT-s QPSK	1@143	1@68	15.58	15.27	18.44	36.43	4.3935
77C	30	80+80	653334	658666	DFT-s 16 QAM	1@143	1@68	13.3	12.9	16.11	34.10	2.5733
77C	30	80+80	657334	662666	DFT-s QPSK	1@143	1@68	15.35	15.97	18.68	36.67	4.6466
77C	30	80+80	657334	662666	DFT-s 16 QAM	1@143	1@68	13.11	13.83	16.50	34.49	2.8088
77C	30	100+50	650000	654984	DFT-s QPSK	1@147	1@0	14.91	15.61	18.28	36.27	4.2407
77C	30	100+50	650000	654984	DFT-s 16 QAM	1@147	1@0	12.6	13.55	16.11	34.10	2.5711
77C	30	100+50	654342	659326	DFT-s QPSK	1@147	1@0	15.48	15.67	18.59	36.58	4.5460
77C	30	100+50	654342	659326	DFT-s 16 QAM	1@147	1@0	13.34	13.46	16.41	34.40	2.7547
77C	30	100+50	658682	663666	DFT-s QPSK	1@147	1@0	15.34	15.7	18.53	36.52	4.4916
77C	30	100+50	658682	663666	DFT-s 16 QAM	1@147	1@0	13.06	13.7	16.40	34.39	2.7492
77C	30	50+100	648334	653318	DFT-s QPSK	1@132	1@130	15.77	15.07	18.44	36.43	4.3999
77C	30	50+100	648334	653318	DFT-s 16 QAM	1@132	1@130	13.48	13.04	16.28	34.27	2.6705
77C	30	50+100	652680	657664	DFT-s QPSK	1@132	1@130	15.24	15.9	18.59	36.58	4.5528
77C	30	50+100	652680	657664	DFT-s 16 QAM	1@132	1@130	12.98	13.59	16.31	34.30	2.6891
77C	30	50+100	657016	662000	DFT-s QPSK	1@132	1@130	15.92	15.02	18.50	36.49	4.4602
77C	30	50+100	657016	662000	DFT-s 16 QAM	1@132	1@130	13.89	12.88	16.42	34.41	2.7635
77C	30	90+60	649668	654660	DFT-s QPSK	1@133	1@21	14.86	15.64	18.28	36.27	4.2343
77C	30	90+60	649668	654660	DFT-s 16 QAM	1@133	1@21	12.71	13.57	16.17	34.16	2.6071
77C	30	90+60	654006	658998	DFT-s QPSK	1@133	1@21	15.54	15.61	18.59	36.58	4.5451
77C	30	90+60	654006	658998	DFT-s 16 QAM	1@133	1@21	13.17	13.39	16.29	34.28	2.6802
77C	30	90+60	658340	663332	DFT-s QPSK	1@133	1@21	15.19	15.77	18.50	36.49	4.4565
77C	30	90+60	658340	663332	DFT-s 16 QAM	1@133	1@21	12.91	13.44	16.19	34.18	2.6202
77C	30	60+90	648668	653660	DFT-s QPSK	1@133	1@104	15.8	15.09	18.47	36.46	4.4257
77C	30	60+90	648668	653660	DFT-s 16 QAM	1@133	1@104	13.69	12.98	16.36	34.35	2.7226
77C	30	60+90	653004	657996	DFT-s QPSK	1@133	1@104	15.22	15.82	18.54	36.53	4.4985

77C	30	60+90	653004	657996	DFT-s 16 QAM	1@133	1@104	13.17	13.51	16.35	34.34	2.7187
77C	30	60+90	657340	662332	DFT-s QPSK	1@133	1@104	15.99	15.89	18.95	36.94	4.9438
77C	30	60+90	657340	662332	DFT-s 16 QAM	1@133	1@104	13.67	13.83	16.76	34.75	2.9861
77C	30	80+70	649334	654330	DFT-s QPSK	1@133	1@48	14.94	14.97	17.97	35.96	3.9403
77C	30	80+70	649334	654330	DFT-s 16 QAM	1@133	1@48	12.66	12.73	15.71	33.70	2.3418
77C	30	80+70	653670	658666	DFT-s QPSK	1@133	1@48	15.56	16.05	18.82	36.81	4.7998
77C	30	80+70	653670	658666	DFT-s 16 QAM	1@133	1@48	13.54	13.97	16.77	34.76	2.9927
77C	30	80+70	658004	663000	DFT-s QPSK	1@133	1@48	15.25	15.87	18.58	36.57	4.5408
77C	30	80+70	658004	663000	DFT-s 16 QAM	1@133	1@48	13.23	13.79	16.53	34.52	2.8309
77C	30	70+80	648668	653664	DFT-s QPSK	1@133	1@76	15.94	15.08	18.54	36.53	4.4994
77C	30	70+80	648668	653664	DFT-s 16 QAM	1@133	1@76	13.76	12.96	16.39	34.38	2.7408
77C	30	70+80	653172	658168	DFT-s QPSK	1@133	1@76	15.36	15.72	18.55	36.54	4.5124
77C	30	70+80	653172	658168	DFT-s 16 QAM	1@133	1@76	13.06	13.63	16.36	34.35	2.7256
77C	30	70+80	657670	662666	DFT-s QPSK	1@133	1@76	15.16	15.94	18.58	36.57	4.5371
77C	30	70+80	657670	662666	DFT-s 16 QAM	1@133	1@76	13	13.67	16.36	34.35	2.7216
77C	30	100+40	650000	654648	DFT-s QPSK	1@172	1@0	15.5	15.48	18.50	36.49	4.4569
77C	30	100+40	650000	654648	DFT-s 16 QAM	1@172	1@0	13.44	13.44	16.45	34.44	2.7799
77C	30	100+40	654678	659326	DFT-s QPSK	1@172	1@0	15.41	15.53	18.48	36.47	4.4368
77C	30	100+40	654678	659326	DFT-s 16 QAM	1@172	1@0	13.35	13.47	16.42	34.41	2.7610
77C	30	100+40	659352	664000	DFT-s QPSK	1@172	1@0	15.46	15.61	18.55	36.54	4.5040
77C	30	100+40	659352	664000	DFT-s 16 QAM	1@172	1@0	13.41	13.21	16.32	34.31	2.6986
77C	30	40+100	648000	652648	DFT-s QPSK	1@105	1@105	15.09	15.39	18.25	36.24	4.2101
77C	30	40+100	648000	652648	DFT-s 16 QAM	1@105	1@105	12.84	13.22	16.04	34.03	2.5319
77C	30	40+100	652680	657328	DFT-s QPSK	1@105	1@105	15.11	15.34	18.24	36.23	4.1945
77C	30	40+100	652680	657328	DFT-s 16 QAM	1@105	1@105	12.87	13.1	16.00	33.99	2.5043
77C	30	40+100	657352	662000	DFT-s QPSK	1@105	1@105	15.18	15.72	18.47	36.46	4.4245
77C	30	40+100	657352	662000	DFT-s 16 QAM	1@105	1@105	12.85	13.43	16.16	34.15	2.6001
77C	30	90+50	649668	654324	DFT-s QPSK	1@124	1@2	15.66	15.32	18.50	36.49	4.4603
77C	30	90+50	649668	654324	DFT-s 16 QAM	1@124	1@2	13.66	13.29	16.49	34.48	2.8049
77C	30	90+50	654342	658998	DFT-s QPSK	1@124	1@2	15.71	15.37	18.55	36.54	4.5119
77C	30	90+50	654342	658998	DFT-s 16 QAM	1@124	1@2	13.47	13.32	16.41	34.40	2.7517
77C	30	90+50	659010	663666	DFT-s QPSK	1@124	1@2	15.69	15.35	18.53	36.52	4.4912
77C	30	90+50	659010	663666	DFT-s 16 QAM	1@124	1@2	13.48	13.09	16.30	34.29	2.6851
77C	30	50+90	648334	652990	DFT-s QPSK	1@123	1@113	14.8	14.71	17.77	35.76	3.7632
77C	30	50+90	648334	652990	DFT-s 16 QAM	1@123	1@113	12.57	12.55	15.57	33.56	2.2700
77C	30	50+90	653010	657666	DFT-s QPSK	1@123	1@113	14.36	14.31	17.35	35.34	3.4162

77C	30	50+90	653010	657666	DFT-s 16 QAM	1@123	1@113	12.17	11.93	15.06	33.05	2.0193
77C	30	50+90	657676	662332	DFT-s QPSK	1@123	1@113	14.66	14.59	17.64	35.63	3.6521
77C	30	50+90	657676	662332	DFT-s 16 QAM	1@123	1@113	12.44	12.35	15.41	33.40	2.1855
77C	30	80+60	649334	653994	DFT-s QPSK	1@124	1@30	14.65	14.84	17.76	35.75	3.7552
77C	30	80+60	649334	653994	DFT-s 16 QAM	1@124	1@30	12.26	12.79	15.54	33.53	2.2560
77C	30	80+60	654006	658666	DFT-s QPSK	1@124	1@30	14.79	14.77	17.79	35.78	3.7847
77C	30	80+60	654006	658666	DFT-s 16 QAM	1@124	1@30	12.56	12.69	15.64	33.63	2.3045
77C	30	80+60	658672	663332	DFT-s QPSK	1@124	1@30	14.51	14.88	17.71	35.70	3.7147
77C	30	80+60	658672	663332	DFT-s 16 QAM	1@124	1@30	12.41	12.76	15.60	33.59	2.2850
77C	30	60+80	648668	653328	DFT-s QPSK	1@124	1@86	14.95	14.98	17.98	35.97	3.9494
77C	30	60+80	648668	653328	DFT-s 16 QAM	1@124	1@86	12.8	12.77	15.80	33.79	2.3907
77C	30	60+80	653340	658000	DFT-s QPSK	1@124	1@86	15.12	15.05	18.10	36.09	4.0602
77C	30	60+80	653340	658000	DFT-s 16 QAM	1@124	1@86	13.1	12.73	15.93	33.92	2.4656
77C	30	60+80	658006	662666	DFT-s QPSK	1@124	1@86	15.2	15.45	18.34	36.33	4.2925
77C	30	60+80	658006	662666	DFT-s 16 QAM	1@124	1@86	12.99	13.37	16.19	34.18	2.6209
77C	30	70+70	648668	653332	DFT-s QPSK	1@124	1@57	15.52	15.34	18.44	36.43	4.3967
77C	30	70+70	648668	653332	DFT-s 16 QAM	1@124	1@57	13.46	13.31	16.40	34.39	2.7453
77C	30	70+70	653502	658166	DFT-s QPSK	1@124	1@57	15.96	15.81	18.90	36.89	4.8820
77C	30	70+70	653502	658166	DFT-s 16 QAM	1@124	1@57	13.6	13.79	16.71	34.70	2.9487
77C	30	70+70	658336	663000	DFT-s QPSK	1@124	1@57	15.64	15.66	18.66	36.65	4.6241
77C	30	70+70	658336	663000	DFT-s 16 QAM	1@124	1@57	13.57	13.48	16.54	34.53	2.8350
77C	30	100+30	650000	654326	DFT-s QPSK	1@201	1@0	17.14	16.56	19.87	37.86	6.1094
77C	30	100+30	650000	654326	DFT-s 16 QAM	1@201	1@0	15.03	14.33	17.70	35.69	3.7106
77C	30	100+30	655008	659334	DFT-s QPSK	1@201	1@0	17.35	16.63	20.02	38.01	6.3171
77C	30	100+30	655008	659334	DFT-s 16 QAM	1@201	1@0	15.22	14.3	17.79	35.78	3.7885
77C	30	100+30	660006	664332	DFT-s QPSK	1@201	1@0	17.29	16.58	19.96	37.95	6.2371
77C	30	100+30	660006	664332	DFT-s 16 QAM	1@201	1@0	14.95	14.58	17.78	35.77	3.7751
77C	30	30+100	647668	651994	DFT-s QPSK	1@77	1@75	15.47	15.15	18.32	36.31	4.2788
77C	30	30+100	647668	651994	DFT-s 16 QAM	1@77	1@75	13.43	12.82	16.15	34.14	2.5918
77C	30	30+100	652674	657000	DFT-s QPSK	1@77	1@75	15.82	15.14	18.50	36.49	4.4603
77C	30	30+100	652674	657000	DFT-s 16 QAM	1@77	1@75	13.64	13.07	16.37	34.36	2.7319
77C	30	30+100	657674	662000	DFT-s QPSK	1@77	1@75	15.58	15.14	18.38	36.37	4.3310
77C	30	30+100	657674	662000	DFT-s 16 QAM	1@77	1@75	13.24	13.07	16.17	34.16	2.6038
77C	30	90+40	649668	653988	DFT-s QPSK	1@145	1@0	14.86	14.74	17.81	35.80	3.8025
77C	30	90+40	649668	653988	DFT-s 16 QAM	1@145	1@0	12.71	12.65	15.69	33.68	2.3337
77C	30	90+40	654678	658998	DFT-s QPSK	1@145	1@0	15.53	15.76	18.66	36.65	4.6204

77C	30	90+40	654678	658998	DFT-s 16 QAM	1@145	1@0	13.27	13.68	16.49	34.48	2.8055
77C	30	90+40	659680	664000	DFT-s QPSK	1@145	1@0	15.55	15.63	18.60	36.59	4.5609
77C	30	90+40	659680	664000	DFT-s 16 QAM	1@145	1@0	13.27	13.36	16.33	34.32	2.7012
77C	30	40+90	648000	652320	DFT-s QPSK	1@105	1@104	15.75	15.08	18.44	36.43	4.3936
77C	30	40+90	648000	652320	DFT-s 16 QAM	1@105	1@104	13.46	13.01	16.25	34.24	2.6553
77C	30	40+90	653010	657330	DFT-s QPSK	1@105	1@104	15.25	16.05	18.68	36.67	4.6438
77C	30	40+90	653010	657330	DFT-s 16 QAM	1@105	1@104	12.86	14.04	16.50	34.49	2.8121
77C	30	40+90	658012	662332	DFT-s QPSK	1@105	1@104	15.92	15.02	18.50	36.49	4.4602
77C	30	40+90	658012	662332	DFT-s 16 QAM	1@105	1@104	13.56	12.67	16.15	34.14	2.5930
77C	30	80+50	649334	653658	DFT-s QPSK	1@115	1@12	14.82	14.73	17.79	35.78	3.7805
77C	30	80+50	649334	653658	DFT-s 16 QAM	1@115	1@12	12.69	12.63	15.67	33.66	2.3230
77C	30	80+50	654342	658666	DFT-s QPSK	1@115	1@12	15.61	15.44	18.54	36.53	4.4938
77C	30	80+50	654342	658666	DFT-s 16 QAM	1@115	1@12	13.51	13.15	16.34	34.33	2.7127
77C	30	80+50	659342	663666	DFT-s QPSK	1@115	1@12	15.37	15.56	18.48	36.47	4.4323
77C	30	80+50	659342	663666	DFT-s 16 QAM	1@115	1@12	13.15	13.22	16.20	34.19	2.6215
77C	30	50+80	648334	652658	DFT-s QPSK	1@114	1@94	15.88	15.08	18.51	36.50	4.4655
77C	30	50+80	648334	652658	DFT-s 16 QAM	1@114	1@94	13.54	13.02	16.30	34.29	2.6842
77C	30	50+80	653340	657664	DFT-s QPSK	1@114	1@94	15.32	15.91	18.64	36.63	4.5976
77C	30	50+80	653340	657664	DFT-s 16 QAM	1@114	1@94	13.32	13.82	16.59	34.58	2.8691
77C	30	50+80	658342	662666	DFT-s QPSK	1@114	1@94	16.05	15.2	18.66	36.65	4.6196
77C	30	50+80	658342	662666	DFT-s 16 QAM	1@114	1@94	13.94	13.13	16.56	34.55	2.8537
77C	30	70+60	648668	652992	DFT-s QPSK	1@114	1@39	14.64	14.54	17.60	35.59	3.6229
77C	30	70+60	648668	652992	DFT-s 16 QAM	1@114	1@39	12.3	12.39	15.36	33.35	2.1605
77C	30	70+60	653838	658162	DFT-s QPSK	1@114	1@39	15.28	15.66	18.48	36.47	4.4406
77C	30	70+60	653838	658162	DFT-s 16 QAM	1@114	1@39	13.17	13.33	16.26	34.25	2.6614
77C	30	70+60	659008	663332	DFT-s QPSK	1@114	1@39	14.91	14.75	17.84	35.83	3.8292
77C	30	70+60	659008	663332	DFT-s 16 QAM	1@114	1@39	12.91	12.41	15.68	33.67	2.3267
77C	30	60+70	648668	652992	DFT-s QPSK	1@114	1@66	15.65	14.89	18.30	36.29	4.2530
77C	30	60+70	648668	652992	DFT-s 16 QAM	1@114	1@66	13.5	12.64	16.10	34.09	2.5654
77C	30	60+70	653676	658000	DFT-s QPSK	1@114	1@66	15.11	15.79	18.47	36.46	4.4295
77C	30	60+70	653676	658000	DFT-s 16 QAM	1@114	1@66	12.91	13.47	16.21	34.20	2.6299
77C	30	60+70	658676	663000	DFT-s QPSK	1@114	1@66	15.83	14.82	18.36	36.35	4.3198
77C	30	60+70	658676	663000	DFT-s 16 QAM	1@114	1@66	13.78	12.61	16.24	34.23	2.6513
77C	30	100+25	650000	654160	DFT-s QPSK	1@216	1@0	16.8	16.52	19.67	37.66	5.8379
77C	30	100+25	650000	654160	DFT-s 16 QAM	1@216	1@0	14.48	14.3	17.40	35.39	3.4604
77C	30	100+25	655170	659330	DFT-s QPSK	1@216	1@0	17.06	16.56	19.83	37.82	6.0499

77C	30	100+25	655170	659330	DFT-s 16 QAM	1@216	1@0	14.89	14.41	17.67	35.66	3.6787
77C	30	100+25	660304	664500	DFT-s QPSK	1@216	1@0	16.98	16.72	19.86	37.85	6.0985
77C	30	100+25	660304	664500	DFT-s 16 QAM	1@216	1@0	14.85	14.43	17.66	35.65	3.6689
77C	30	25+100	647500	651660	DFT-s QPSK	1@64	1@62	15.09	15.26	18.19	36.18	4.1458
77C	30	25+100	647500	651660	DFT-s 16 QAM	1@64	1@62	12.71	12.89	15.81	33.80	2.3995
77C	30	25+100	652674	656834	DFT-s QPSK	1@64	1@62	15.18	15.29	18.25	36.24	4.2031
77C	30	25+100	652674	656834	DFT-s 16 QAM	1@64	1@62	13.05	13.14	16.11	34.10	2.5678
77C	30	25+100	657840	662000	DFT-s QPSK	1@64	1@62	15.25	15.07	18.17	36.16	4.1316
77C	30	25+100	657840	662000	DFT-s 16 QAM	1@64	1@62	13.11	12.96	16.05	34.04	2.5328
77C	30	100+20	650000	653996	DFT-s QPSK	1@229	1@0	16.77	16.59	19.69	37.68	5.8630
77C	30	100+20	650000	653996	DFT-s 16 QAM	1@229	1@0	14.39	14.44	17.43	35.42	3.4797
77C	30	100+20	655338	659334	DFT-s QPSK	1@229	1@0	16.96	16.63	19.81	37.80	6.0234
77C	30	100+20	655338	659334	DFT-s 16 QAM	1@229	1@0	14.7	14.57	17.65	35.64	3.6608
77C	30	100+20	660670	664666	DFT-s QPSK	1@229	1@0	17.06	16.81	19.95	37.94	6.2188
77C	30	100+20	660670	664666	DFT-s 16 QAM	1@229	1@0	14.81	14.6	17.72	35.71	3.7210
77C	30	20+100	647334	651330	DFT-s QPSK	1@50	1@48	15.29	15.28	18.30	36.29	4.2514
77C	30	20+100	647334	651330	DFT-s 16 QAM	1@50	1@48	13.03	12.96	16.01	34.00	2.5093
77C	30	20+100	652674	656670	DFT-s QPSK	1@50	1@48	15.25	15.34	18.31	36.30	4.2614
77C	30	20+100	652674	656670	DFT-s 16 QAM	1@50	1@48	12.99	13.12	16.07	34.06	2.5444
77C	30	20+100	658004	662000	DFT-s QPSK	1@50	1@48	15.19	15.28	18.25	36.24	4.2029
77C	30	20+100	658004	662000	DFT-s 16 QAM	1@50	1@48	13.14	12.88	16.02	34.01	2.5190
77C	30	90+30	649668	653660	DFT-s QPSK	1@173	1@0	16.76	16.45	19.62	37.61	5.7651
77C	30	90+30	649668	653660	DFT-s 16 QAM	1@173	1@0	14.66	14.28	17.48	35.47	3.5273
77C	30	90+30	655008	659000	DFT-s QPSK	1@173	1@0	16.13	17.18	19.70	37.69	5.8708
77C	30	90+30	655008	659000	DFT-s 16 QAM	1@173	1@0	13.88	15.12	17.55	35.54	3.5846
77C	30	90+30	660340	664332	DFT-s QPSK	1@173	1@0	16.95	16.5	19.74	37.73	5.9308
77C	30	90+30	660340	664332	DFT-s 16 QAM	1@173	1@0	14.6	14.15	17.39	35.38	3.4523
77C	30	30+90	647668	651660	DFT-s QPSK	1@77	1@75	15.17	15.2	18.20	36.19	4.1546
77C	30	30+90	647668	651660	DFT-s 16 QAM	1@77	1@75	12.77	12.89	15.84	33.83	2.4159
77C	30	30+90	653004	656996	DFT-s QPSK	1@77	1@75	15.47	15.23	18.36	36.35	4.3171
77C	30	30+90	653004	656996	DFT-s 16 QAM	1@77	1@75	13.38	12.91	16.16	34.15	2.6012
77C	30	30+90	658340	662332	DFT-s QPSK	1@77	1@75	15.25	15.15	18.21	36.20	4.1693
77C	30	30+90	658340	662332	DFT-s 16 QAM	1@77	1@75	13.22	12.81	16.03	34.02	2.5236
77C	30	80+40	649334	653322	DFT-s QPSK	1@117	1@0	15.67	14.41	18.10	36.09	4.0605
77C	30	80+40	649334	653322	DFT-s 16 QAM	1@117	1@0	13.65	12.23	16.01	34.00	2.5108
77C	30	80+40	654678	658666	DFT-s QPSK	1@117	1@0	14.91	15.32	18.13	36.12	4.0927

77C	30	80+40	654678	658666	DFT-s 16 QAM	1@117	1@0	12.89	13.01	15.96	33.95	2.4835
77C	30	80+40	660012	664000	DFT-s QPSK	1@117	1@0	15.77	14.23	18.08	36.07	4.0441
77C	30	80+40	660012	664000	DFT-s 16 QAM	1@117	1@0	13.43	11.95	15.76	33.75	2.3730
77C	30	40+80	648000	651988	DFT-s QPSK	1@105	1@104	15.33	14.88	18.12	36.11	4.0843
77C	30	40+80	648000	651988	DFT-s 16 QAM	1@105	1@104	13.24	12.66	15.97	33.96	2.4888
77C	30	40+80	653340	657328	DFT-s QPSK	1@105	1@104	15.42	14.83	18.15	36.14	4.1071
77C	30	40+80	653340	657328	DFT-s 16 QAM	1@105	1@104	13.21	12.6	15.93	33.92	2.4638
77C	30	40+80	658678	662666	DFT-s QPSK	1@105	1@104	15.52	14.38	18.00	35.99	3.9697
77C	30	40+80	658678	662666	DFT-s 16 QAM	1@105	1@104	13.27	12.32	15.83	33.82	2.4106
77C	30	70+50	648668	652660	DFT-s QPSK	1@105	1@22	15.42	14.66	18.07	36.06	4.0336
77C	30	70+50	648668	652660	DFT-s 16 QAM	1@105	1@22	13.33	12.31	15.86	33.85	2.4267
77C	30	70+50	654174	658166	DFT-s QPSK	1@105	1@22	14.9	15.27	18.10	36.09	4.0637
77C	30	70+50	654174	658166	DFT-s 16 QAM	1@105	1@22	12.9	13.01	15.97	33.96	2.4864
77C	30	70+50	659674	663666	DFT-s QPSK	1@105	1@22	15.63	14.27	18.01	36.00	3.9841
77C	30	70+50	659674	663666	DFT-s 16 QAM	1@105	1@22	13.55	12.02	15.86	33.85	2.4279
77C	30	50+70	648334	652326	DFT-s QPSK	1@105	1@76	15.32	14.95	18.15	36.14	4.1108
77C	30	50+70	648334	652326	DFT-s 16 QAM	1@105	1@76	13.11	12.69	15.92	33.91	2.4577
77C	30	50+70	653676	657668	DFT-s QPSK	1@105	1@76	15.5	14.83	18.19	36.18	4.1478
77C	30	50+70	653676	657668	DFT-s 16 QAM	1@105	1@76	13.31	12.67	16.01	34.00	2.5131
77C	30	50+70	659008	663000	DFT-s QPSK	1@105	1@76	15.42	14.72	18.09	36.08	4.0592
77C	30	50+70	659008	663000	DFT-s 16 QAM	1@105	1@76	13.24	12.69	15.98	33.97	2.4969
77C	30	60+60	648668	652668	DFT-s QPSK	1@105	1@47	15.45	14.82	18.16	36.15	4.1179
77C	30	60+60	648668	652668	DFT-s 16 QAM	1@105	1@47	13.45	12.45	15.99	33.98	2.4998
77C	30	60+60	654000	658000	DFT-s QPSK	1@105	1@47	14.81	15.39	18.12	36.11	4.0832
77C	30	60+60	654000	658000	DFT-s 16 QAM	1@105	1@47	12.41	13.25	15.86	33.85	2.4269
77C	30	60+60	659332	663332	DFT-s QPSK	1@105	1@47	14.69	15.34	18.04	36.03	4.0063
77C	30	60+60	659332	663332	DFT-s 16 QAM	1@105	1@47	12.47	13.27	15.90	33.89	2.4483
77C	30	100+15	650000	653808	DFT-s QPSK	1@240	1@0	16.54	16.42	19.49	37.48	5.5985
77C	30	100+15	650000	653808	DFT-s 16 QAM	1@240	1@0	14.24	14.42	17.34	35.33	3.4129
77C	30	100+15	655512	659320	DFT-s QPSK	1@240	1@0	16.67	16.1	19.40	37.39	5.4886
77C	30	100+15	655512	659320	DFT-s 16 QAM	1@240	1@0	14.42	13.86	17.16	35.15	3.2729
77C	30	100+15	661024	664832	DFT-s QPSK	1@240	1@0	16.74	16.21	19.49	37.48	5.6019
77C	30	100+15	661024	664832	DFT-s 16 QAM	1@240	1@0	14.35	14.15	17.26	35.25	3.3508
77C	30	15+100	647168	650976	DFT-s QPSK	1@37	1@36	14.64	15.07	17.87	35.86	3.8553
77C	30	15+100	647168	650976	DFT-s 16 QAM	1@37	1@36	12.57	12.7	15.65	33.64	2.3098
77C	30	15+100	652680	656488	DFT-s QPSK	1@37	1@36	14.67	14.5	17.60	35.59	3.6192

77C	30	15+100	652680	656488	DFT-s 16 QAM	1@37	1@36	12.29	12.12	15.22	33.21	2.0922
77C	30	15+100	658192	662000	DFT-s QPSK	1@37	1@36	14.69	14.4	17.56	35.55	3.5873
77C	30	15+100	658192	662000	DFT-s 16 QAM	1@37	1@36	12.42	12.07	15.26	33.25	2.1129
77C	30	90+25	649668	653492	DFT-s QPSK	1@187	1@0	16.24	16.05	19.16	37.15	5.1836
77C	30	90+25	649668	653492	DFT-s 16 QAM	1@187	1@0	14.03	13.66	16.86	34.85	3.0544
77C	30	90+25	655176	659000	DFT-s QPSK	1@187	1@0	16.83	16.4	19.63	37.62	5.7818
77C	30	90+25	655176	659000	DFT-s 16 QAM	1@187	1@0	14.45	14.22	17.35	35.34	3.4173
77C	30	90+25	660676	664500	DFT-s QPSK	1@187	1@0	16.75	16.26	19.52	37.51	5.6392
77C	30	90+25	660676	664500	DFT-s 16 QAM	1@187	1@0	14.57	14.01	17.31	35.30	3.3879
77C	30	25+90	647500	651324	DFT-s QPSK	1@64	1@62	14.94	15.15	18.06	36.05	4.0240
77C	30	25+90	647500	651324	DFT-s 16 QAM	1@64	1@62	12.7	12.97	15.85	33.84	2.4196
77C	30	25+90	653004	656828	DFT-s QPSK	1@64	1@62	14.91	15.14	18.04	36.03	4.0057
77C	30	25+90	653004	656828	DFT-s 16 QAM	1@64	1@62	12.9	13.04	15.98	33.97	2.4951
77C	30	25+90	658508	662332	DFT-s QPSK	1@64	1@62	14.93	15	17.98	35.97	3.9495
77C	30	25+90	658508	662332	DFT-s 16 QAM	1@64	1@62	12.68	12.87	15.79	33.78	2.3858
77C	30	100+10	650000	653640	DFT-s QPSK	1@254	1@0	16.47	16.17	19.33	37.32	5.3987
77C	30	100+10	650000	653640	DFT-s 16 QAM	1@254	1@0	14.07	13.98	17.04	35.03	3.1809
77C	30	100+10	655680	659320	DFT-s QPSK	1@254	1@0	16.68	16.18	19.45	37.44	5.5431
77C	30	100+10	655680	659320	DFT-s 16 QAM	1@254	1@0	14.49	14.13	17.32	35.31	3.3994
77C	30	100+10	661360	665000	DFT-s QPSK	1@254	1@0	16.65	16.48	19.58	37.57	5.7097
77C	30	100+10	661360	665000	DFT-s 16 QAM	1@254	1@0	14.58	14.38	17.49	35.48	3.5330
77C	30	10+100	647000	650640	DFT-s QPSK	1@23	1@22	11.82	12.41	15.14	33.13	2.0537
77C	30	10+100	647000	650640	DFT-s 16 QAM	1@23	1@22	9.5	10.1	12.82	30.81	1.2052
77C	30	10+100	652680	656320	DFT-s QPSK	1@23	1@22	12.19	12.44	15.33	33.32	2.1464
77C	30	10+100	652680	656320	DFT-s 16 QAM	1@23	1@22	10.13	10.22	13.19	31.18	1.3109
77C	30	10+100	658360	662000	DFT-s QPSK	1@23	1@22	12.19	12.35	15.28	33.27	2.1238
77C	30	10+100	658360	662000	DFT-s 16 QAM	1@23	1@22	10.08	10.07	13.09	31.08	1.2809
77C	30	90+20	649668	653328	DFT-s QPSK	1@202	1@0	16.46	16.13	19.31	37.30	5.3684
77C	30	90+20	649668	653328	DFT-s 16 QAM	1@202	1@0	14.07	14.01	17.05	35.04	3.1918
77C	30	90+20	655338	658998	DFT-s QPSK	1@202	1@0	15.74	16.45	19.12	37.11	5.1402
77C	30	90+20	655338	658998	DFT-s 16 QAM	1@202	1@0	13.72	14.33	17.05	35.04	3.1886
77C	30	90+20	661006	664666	DFT-s QPSK	1@202	1@0	16.35	16.08	19.23	37.22	5.2691
77C	30	90+20	661006	664666	DFT-s 16 QAM	1@202	1@0	14.09	13.81	16.96	34.95	3.1279
77C	30	20+90	647334	650994	DFT-s QPSK	1@50	1@48	14.99	15.13	18.07	36.06	4.0373
77C	30	20+90	647334	650994	DFT-s 16 QAM	1@50	1@48	12.65	13.09	15.89	33.88	2.4411
77C	30	20+90	653004	656664	DFT-s QPSK	1@50	1@48	15.13	15.28	18.22	36.21	4.1744

77C	30	20+90	653004	656664	DFT-s 16 QAM	1@50	1@48	12.78	13.14	15.97	33.96	2.4912
77C	30	20+90	658672	662332	DFT-s QPSK	1@50	1@48	15.06	15.01	18.05	36.04	4.0136
77C	30	20+90	658672	662332	DFT-s 16 QAM	1@50	1@48	12.97	12.81	15.90	33.89	2.4496
77C	30	80+30	649334	652990	DFT-s QPSK	1@144	1@0	15.74	16.01	18.89	36.88	4.8724
77C	30	80+30	649334	652990	DFT-s 16 QAM	1@144	1@0	13.52	13.63	16.59	34.58	2.8679
77C	30	80+30	655008	658664	DFT-s QPSK	1@144	1@0	15.86	16.2	19.04	37.03	5.0508
77C	30	80+30	655008	658664	DFT-s 16 QAM	1@144	1@0	13.48	13.82	16.66	34.65	2.9199
77C	30	80+30	660676	664332	DFT-s QPSK	1@144	1@0	15.97	16.98	19.51	37.50	5.6294
77C	30	80+30	660676	664332	DFT-s 16 QAM	1@144	1@0	13.72	14.72	17.26	35.25	3.3489
77C	30	30+80	647668	651324	DFT-s QPSK	1@77	1@75	12.07	12.87	15.50	33.49	2.2329
77C	30	30+80	647668	651324	DFT-s 16 QAM	1@77	1@75	9.96	10.76	13.39	31.38	1.3736
77C	30	30+80	653340	656996	DFT-s QPSK	1@77	1@75	14.04	14.53	17.30	35.29	3.3824
77C	30	30+80	653340	656996	DFT-s 16 QAM	1@77	1@75	11.98	12.38	15.19	33.18	2.0820
77C	30	30+80	659010	662666	DFT-s QPSK	1@77	1@75	13.93	14.39	17.18	35.17	3.2858
77C	30	30+80	659010	662666	DFT-s 16 QAM	1@77	1@75	11.67	12.23	14.97	32.96	1.9767
77C	30	70+40	648668	652324	DFT-s QPSK	1@96	1@3	15.65	14.47	18.11	36.10	4.0740
77C	30	70+40	648668	652324	DFT-s 16 QAM	1@96	1@3	13.29	12.29	15.83	33.82	2.4094
77C	30	70+40	654510	658166	DFT-s QPSK	1@96	1@3	14.85	15.42	18.15	36.14	4.1159
77C	30	70+40	654510	658166	DFT-s 16 QAM	1@96	1@3	12.77	13.06	15.93	33.92	2.4647
77C	30	70+40	660344	664000	DFT-s QPSK	1@96	1@3	15.69	14.33	18.07	36.06	4.0395
77C	30	70+40	660344	664000	DFT-s 16 QAM	1@96	1@3	13.58	11.96	15.86	33.85	2.4240
77C	30	40+70	648000	651656	DFT-s QPSK	1@96	1@86	15.4	15	18.21	36.20	4.1734
77C	30	40+70	648000	651656	DFT-s 16 QAM	1@96	1@86	13.38	12.76	16.09	34.08	2.5594
77C	30	40+70	653676	657332	DFT-s QPSK	1@96	1@86	15.11	15.42	18.28	36.27	4.2345
77C	30	40+70	653676	657332	DFT-s 16 QAM	1@96	1@86	12.77	13.24	16.02	34.01	2.5186
77C	30	40+70	659344	663000	DFT-s QPSK	1@96	1@86	15.56	14.48	18.06	36.05	4.0307
77C	30	40+70	659344	663000	DFT-s 16 QAM	1@96	1@86	13.47	12.4	15.98	33.97	2.4935
77C	30	60+50	648668	652320	DFT-s QPSK	1@96	1@31	15.48	14.82	18.17	36.16	4.1332
77C	30	60+50	648668	652320	DFT-s 16 QAM	1@96	1@31	13.48	12.7	16.12	34.11	2.5750
77C	30	60+50	654342	657994	DFT-s QPSK	1@96	1@31	14.84	15.57	18.23	36.22	4.1885
77C	30	60+50	654342	657994	DFT-s 16 QAM	1@96	1@31	12.55	13.18	15.89	33.88	2.4416
77C	30	60+50	660014	663666	DFT-s QPSK	1@96	1@31	15.65	14.31	18.04	36.03	4.0103
77C	30	60+50	660014	663666	DFT-s 16 QAM	1@96	1@31	13.65	12.23	16.01	34.00	2.5108
77C	30	50+60	648334	651986	DFT-s QPSK	1@96	1@58	15.38	14.97	18.19	36.18	4.1497
77C	30	50+60	648334	651986	DFT-s 16 QAM	1@96	1@58	13	12.67	15.85	33.84	2.4202
77C	30	50+60	654012	657664	DFT-s QPSK	1@96	1@58	14.57	14.41	17.50	35.49	3.5408

77C	30	50+60	654012	657664	DFT-s 16 QAM	1@96	1@58	12.41	12.04	15.24	33.23	2.1034
77C	30	50+60	659680	663332	DFT-s QPSK	1@96	1@58	14.34	14.28	17.32	35.31	3.3966
77C	30	50+60	659680	663332	DFT-s 16 QAM	1@96	1@58	12.21	12.21	15.22	33.21	2.0943
77C	30	90+15	649668	653140	DFT-s QPSK	1@243	1@36	16.54	15.94	19.26	37.25	5.3096
77C	30	90+15	649668	653140	DFT-s 16 QAM	1@243	1@36	14.51	13.61	17.09	35.08	3.2237
77C	30	90+15	655518	658990	DFT-s QPSK	1@243	1@36	16.54	15.93	19.26	37.25	5.3040
77C	30	90+15	655518	658990	DFT-s 16 QAM	1@243	1@36	14.36	13.66	17.03	35.02	3.1801
77C	30	90+15	661360	664832	DFT-s QPSK	1@243	1@36	16.78	15.84	19.35	37.34	5.4146
77C	30	90+15	661360	664832	DFT-s 16 QAM	1@243	1@36	14.78	13.72	17.29	35.28	3.3749
77C	30	15+90	647168	650640	DFT-s QPSK	1@37	1@36	14.68	14.49	17.60	35.59	3.6194
77C	30	15+90	647168	650640	DFT-s 16 QAM	1@37	1@36	12.28	12.13	15.22	33.21	2.0922
77C	30	15+90	653016	656488	DFT-s QPSK	1@37	1@36	14.69	14.52	17.62	35.61	3.6359
77C	30	15+90	653016	656488	DFT-s 16 QAM	1@37	1@36	12.41	12.38	15.41	33.40	2.1854
77C	30	15+90	658860	662332	DFT-s QPSK	1@37	1@36	14.7	14.43	17.58	35.57	3.6036
77C	30	15+90	658860	662332	DFT-s 16 QAM	1@37	1@36	12.4	12.41	15.42	33.41	2.1904
77C	30	80+25	649334	652822	DFT-s QPSK	1@215	1@63	16.47	15.84	19.18	37.17	5.2080
77C	30	80+25	649334	652822	DFT-s 16 QAM	1@215	1@63	14.32	13.76	17.06	35.05	3.1984
77C	30	80+25	655176	658664	DFT-s QPSK	1@215	1@63	15.79	15.77	18.79	36.78	4.7647
77C	30	80+25	655176	658664	DFT-s 16 QAM	1@215	1@63	13.55	13.6	16.59	34.58	2.8677
77C	30	80+25	661012	664500	DFT-s QPSK	1@215	1@63	15.89	15.82	18.87	36.86	4.8478
77C	30	80+25	661012	664500	DFT-s 16 QAM	1@215	1@63	13.69	13.62	16.67	34.66	2.9211
77C	30	25+80	647500	650988	DFT-s QPSK	1@63	1@60	14.93	15.12	18.04	36.03	4.0053
77C	30	25+80	647500	650988	DFT-s 16 QAM	1@63	1@60	12.72	12.98	15.86	33.85	2.4279
77C	30	25+80	653340	656828	DFT-s QPSK	1@63	1@60	15.02	15.22	18.13	36.12	4.0940
77C	30	25+80	653340	656828	DFT-s 16 QAM	1@63	1@60	12.66	12.88	15.78	33.77	2.3832
77C	30	25+80	659178	662666	DFT-s QPSK	1@63	1@60	13.92	14.4	17.18	35.17	3.2862
77C	30	25+80	659178	662666	DFT-s 16 QAM	1@63	1@60	11.88	12.13	15.02	33.01	1.9985

FCC N77C

26dB Bandwidth

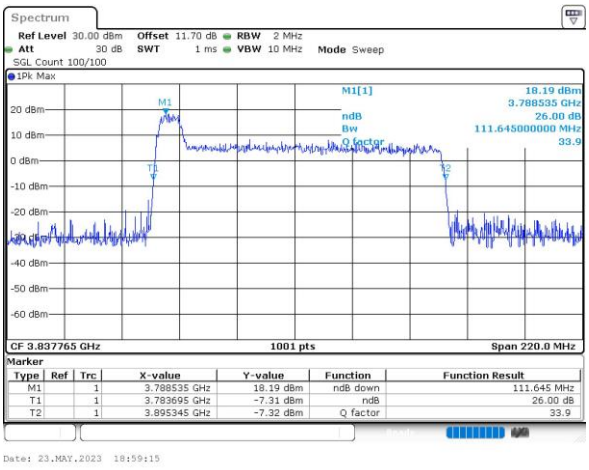
Mode	FCC N77C : 26dB BW(MHz)				
Modulation	10MHz+100MHz	15MHz+90MHz	15MHz+100MHz	20MHz+90MHz	20MHz+100MHz
QPSK	111.65	106.58	116.5	112.09	122.04
16QAM	111.65	106.79	116.96	111.65	121.8
64QAM	111.43	106.58	116.5	111.87	121.8
256QAM	111.65	106.58	116.5	111.87	121.8
Modulation	25MHz+80MHz	25MHz+90MHz	25MHz+100MHz	30MHz+80MHz	30MHz+90MHz
QPSK	106.78	116.95	127.12	112.09	121.8
16QAM	107.2	117.18	127.12	112.09	121.8
64QAM	106.99	116.95	127.12	112.09	121.8
256QAM	106.78	117.18	127.12	111.87	121.8
Modulation	30MHz+100MHz	40MHz+70MHz	40MHz+80MHz	40MHz+90MHz	40MHz+100MHz
QPSK	131.69	112.09	122.04	131.95	142.1
16QAM	131.95	112.09	121.8	131.69	141.82
64QAM	131.95	112.09	122.04	131.95	142.1
256QAM	131.69	111.87	122.04	131.69	141.82
Modulation	50MHz+60MHz	50MHz+70MHz	50MHz+80MHz	50MHz+90MHz	50MHz+100MHz
QPSK	111.87	122.04	132.21	142.1	151.65
16QAM	112.09	122.04	131.69	142.1	151.95
64QAM	111.87	122.04	131.95	141.82	151.65
256QAM	112.09	122.04	132.21	142.1	151.65
Modulation	60MHz+50MHz	60MHz+60MHz	60MHz+70MHz	60MHz+80MHz	60MHz+90MHz
QPSK	112.31	122.64	132.35	142.38	152.25
16QAM	112.31	122.86	132.11	142.38	152.25
64QAM	112.31	122.64	132.35	142.38	151.95
256QAM	112.53	122.64	135.59	142.66	152.25
Modulation	60MHz+100MHz	70MHz+40MHz	70MHz+50MHz	70MHz+60MHz	70MHz+70MHz
QPSK	161.76	112.31	122.28	132.73	142.38
16QAM	161.76	112.09	122.04	132.47	142.1
64QAM	162.4	112.53	122.52	132.47	142.1
256QAM	162.4	112.31	122.28	132.73	142.1

Modulation	70MHz+80MHz	70MHz+90MHz	70MHz+100MHz	80MHz+25MHz	80MHz+30MHz
QPSK	152.25	162.4	172.21	107.21	112.09
16QAM	152.25	162.4	172.21	107	112.09
64QAM	152.85	162.4	172.21	107.21	112.09
256QAM	152.25	162.08	172.21	107	112.09
Modulation	80MHz+40MHz	80MHz+50MHz	80MHz+60MHz	80MHz+70MHz	80MHz+80MHz
QPSK	122.28	132.21	142.66	152.55	162.08
16QAM	122.52	132.21	142.38	152.55	162.72
64QAM	122.52	132.73	142.66	152.25	162.4
256QAM	122.28	132.47	142.38	152.55	162.4
Modulation	80MHz+90MHz	80MHz+100MHz	90MHz+15MHz	90MHz+20MHz	90MHz+25MHz
QPSK	172.89	182.34	107	112.31	117.19
16QAM	172.89	182.34	107	111.87	117.19
64QAM	172.55	182.34	106.79	111.87	117.19
256QAM	172.21	182.34	106.79	112.31	117.19
Modulation	90MHz+30MHz	90MHz+40MHz	90MHz+50MHz	90MHz+60MHz	90MHz+70MHz
QPSK	122.28	132.21	141.82	152.55	162.72
16QAM	122.04	132.47	142.1	152.55	162.4
64QAM	122.28	132.21	142.1	152.25	162.72
256QAM	122.28	132.21	142.38	152.55	162.4
Modulation	90MHz+80MHz	90MHz+90MHz	90MHz+100MHz	100MHz+10MHz	100MHz+15MHz
QPSK	172.21	182.7	192.85	112.09	117
16QAM	172.55	182.34	192.47	112.09	117
64QAM	172.55	183.06	192.47	111.65	117
256QAM	172.89	182.7	192.47	111.65	117
Modulation	100MHz+20MHz	100MHz+25MHz	100MHz+30MHz	100MHz+40MHz	100MHz+50MHz
QPSK	124.68	127.13	132.21	142.1	152.25
16QAM	124.68	127.38	132.47	142.38	151.95
64QAM	124.68	127.63	132.21	142.1	152.25
256QAM	124.92	127.63	132.47	142.1	151.95
Modulation	100MHz+60MHz	100MHz+70MHz	100MHz+80MHz	100MHz+90MHz	100MHz+100MHz
QPSK	162.4	172.55	183.06	192.47	203.8
16QAM	162.08	172.55	182.7	192.47	203.4
64QAM	162.08	172.55	182.7	192.47	203
256QAM	162.4	172.55	183.06	192.47	203.4

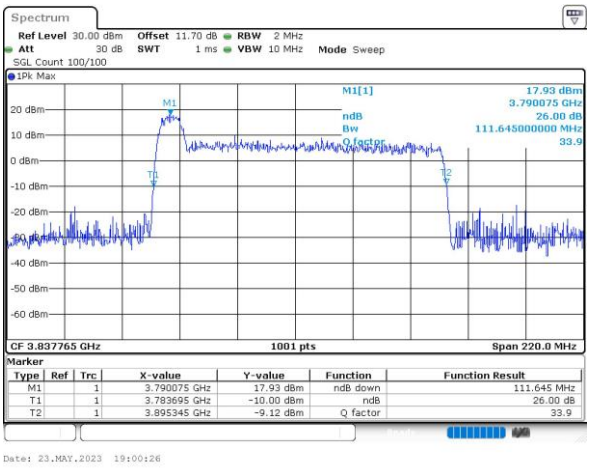
FCC N77C

10M+100M

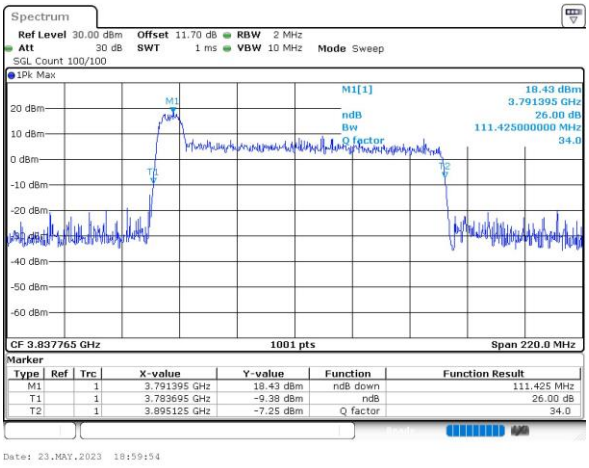
QPSK



16QAM



64QAM



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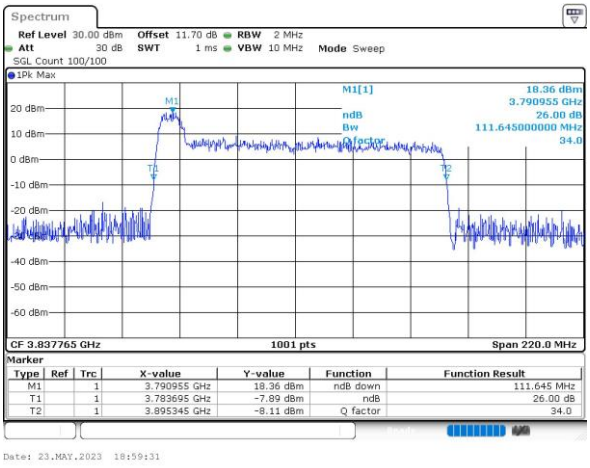
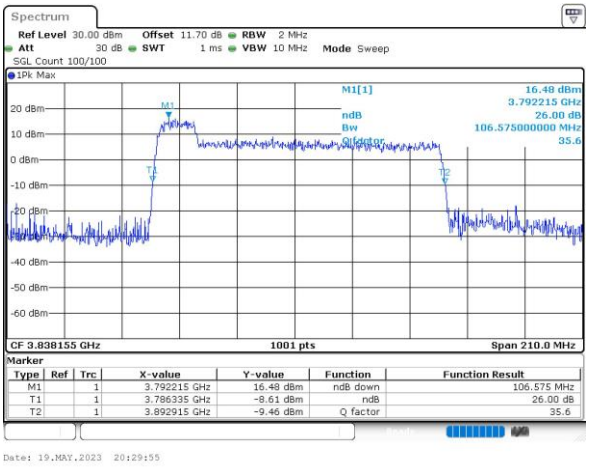


15M+90M

QPSK



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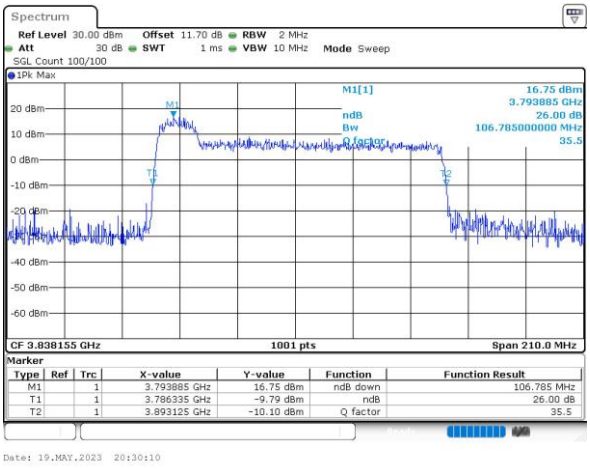

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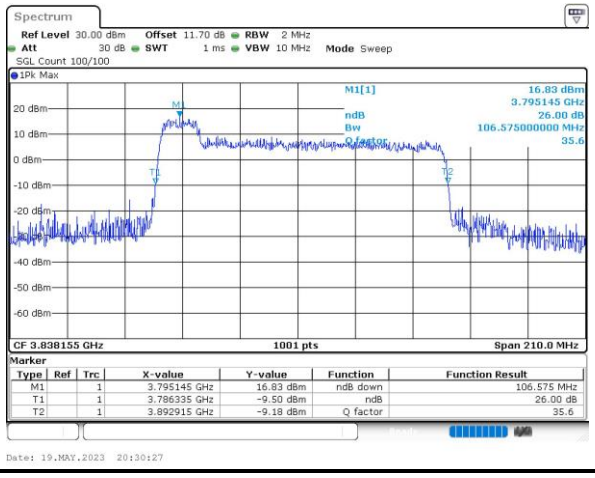

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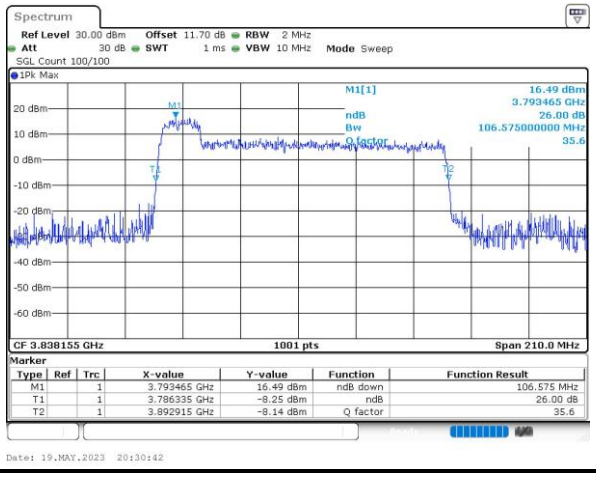
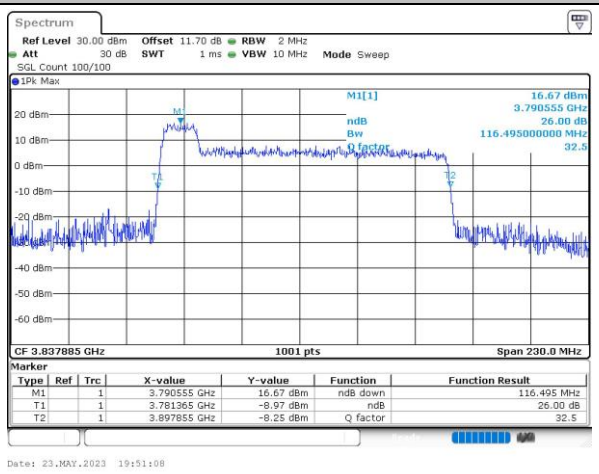


15M+100M

QPSK



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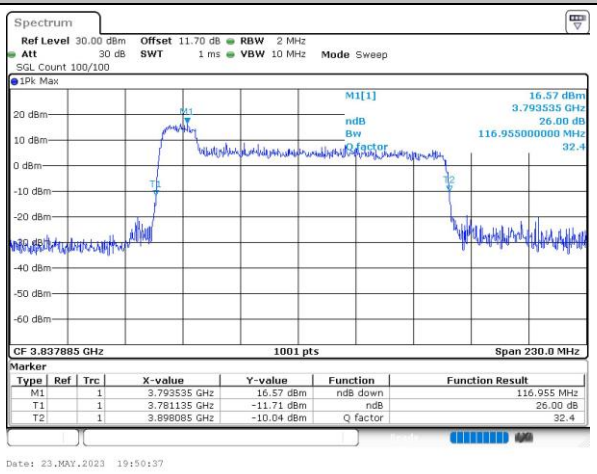

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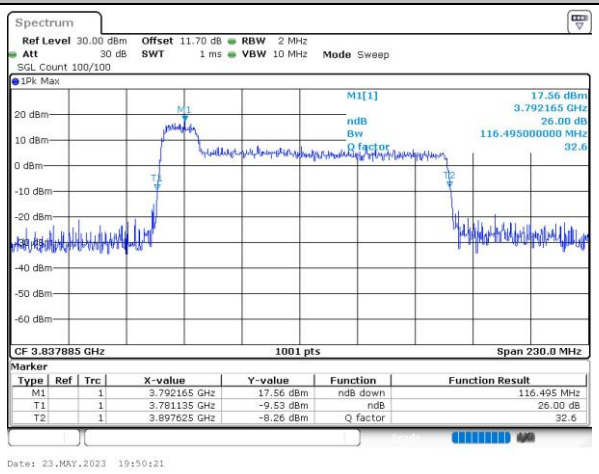

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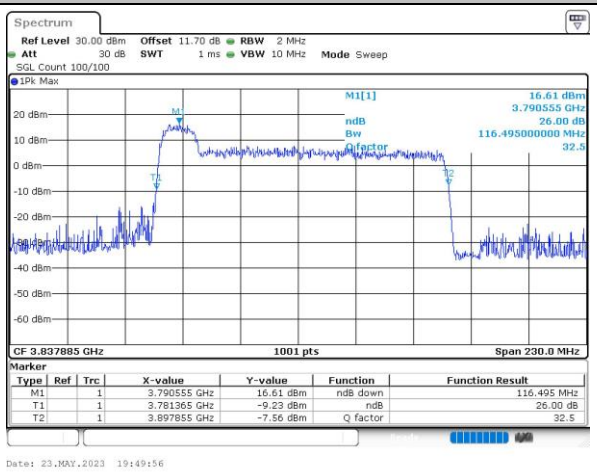
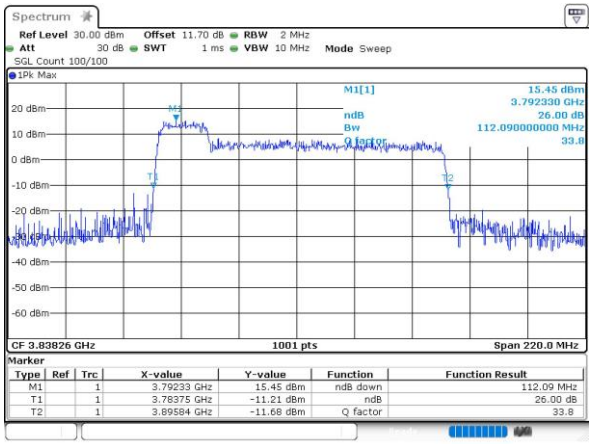


20M+90M

QPSK



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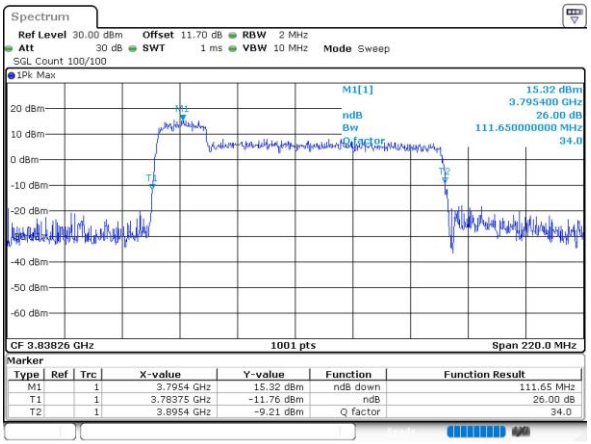

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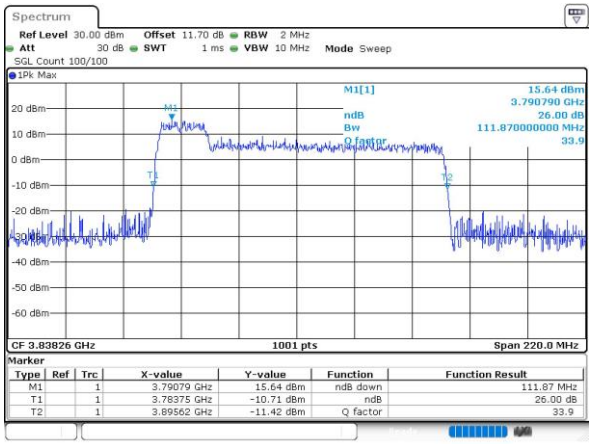
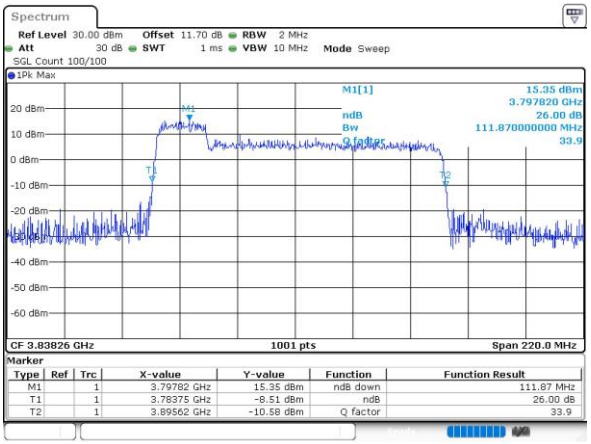
256QAM