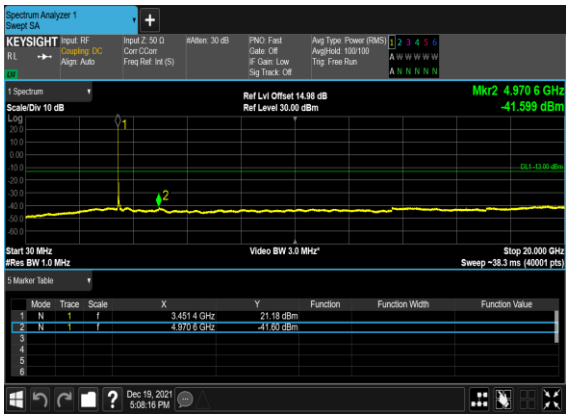
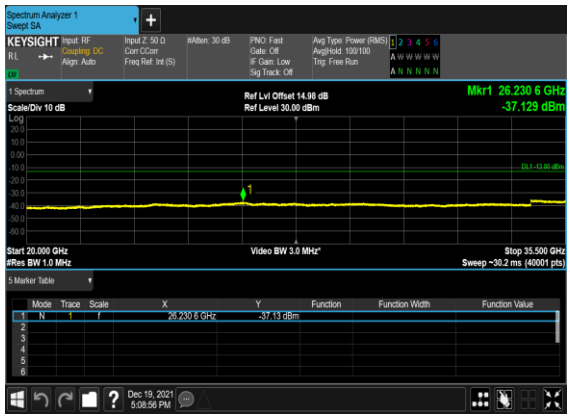
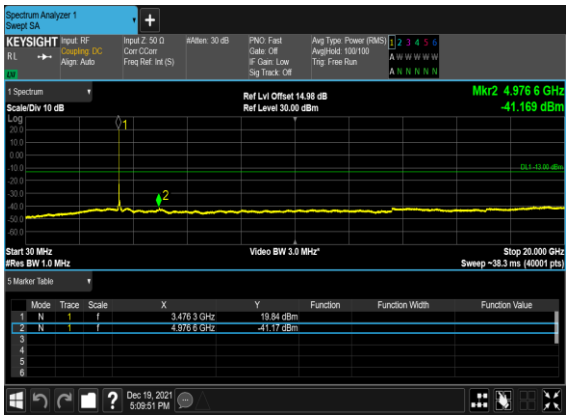
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



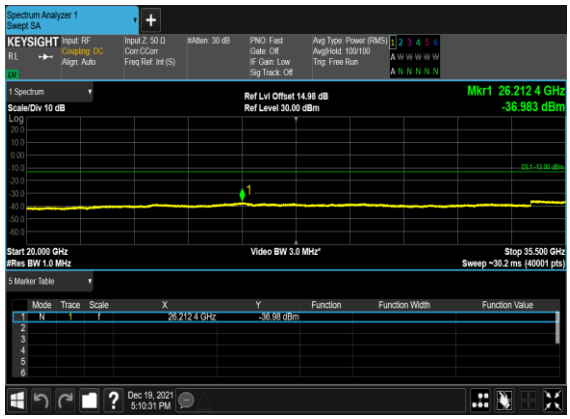
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



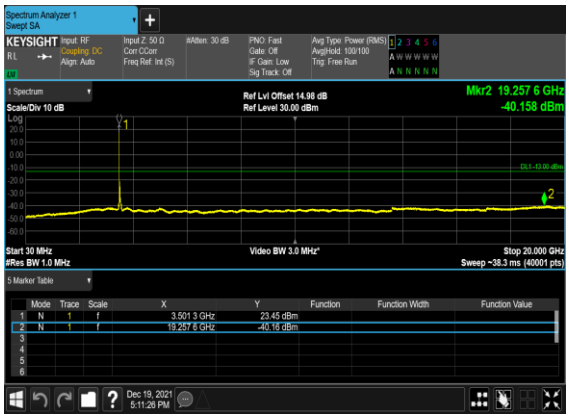
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



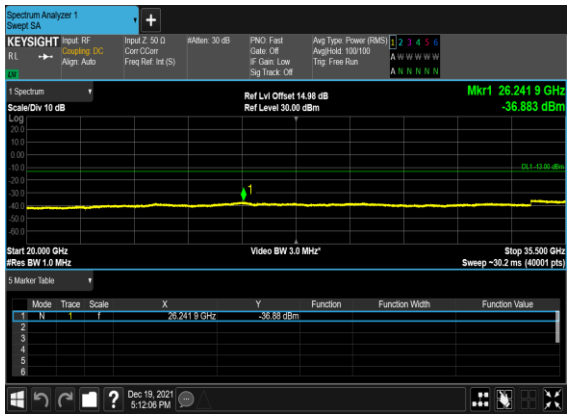
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



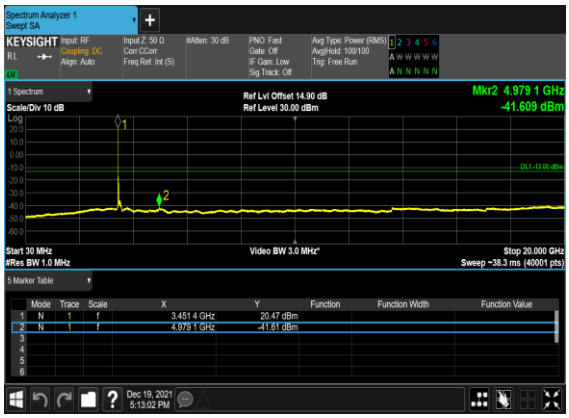
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



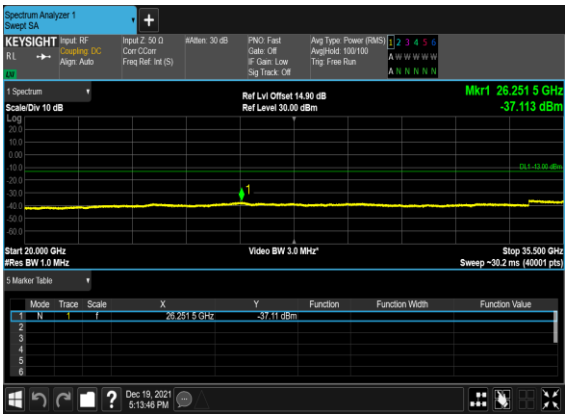
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



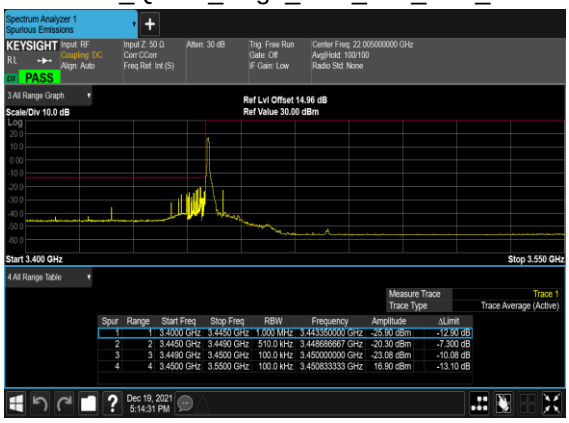
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



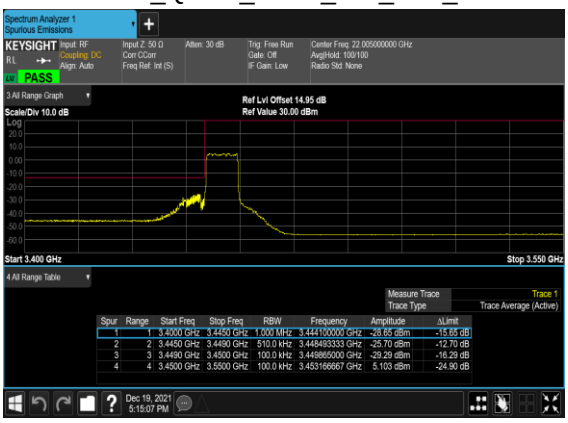
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	636332	3544.98	CP-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	636332	3544.98	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	CP-OFDM QPSK	133@0	see graph	**PASS**
77	30	50	635000	3525.0	CP-OFDM QPSK	1@132	see graph	**PASS**
77	30	50	635000	3525.0	CP-OFDM QPSK	133@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	see graph	**PASS**

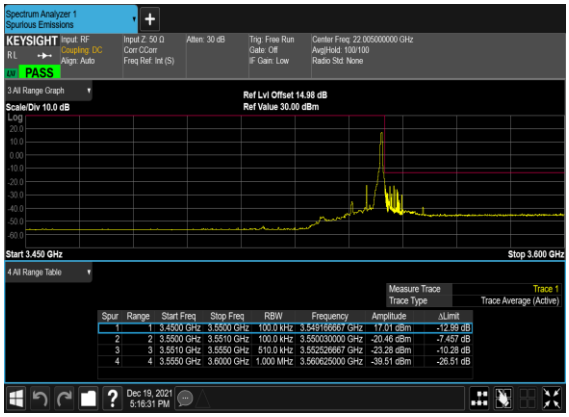
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



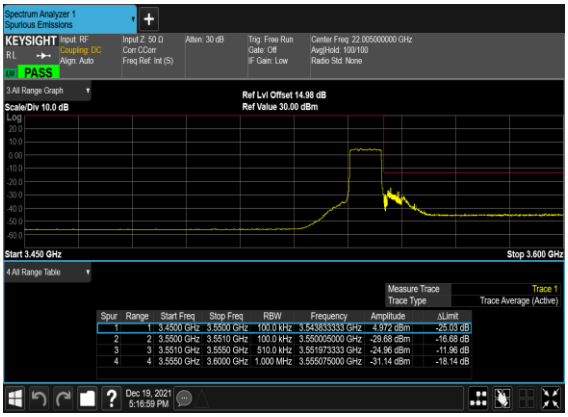
N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH



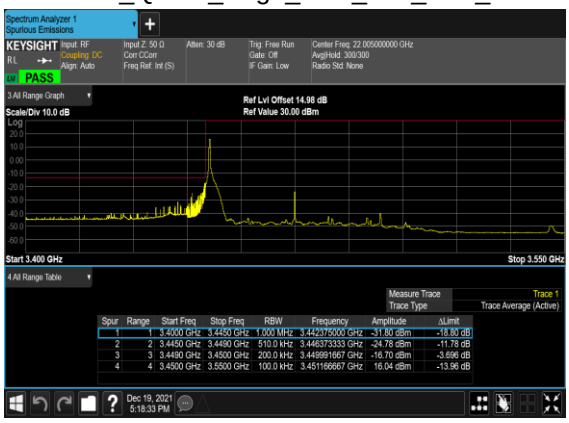
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



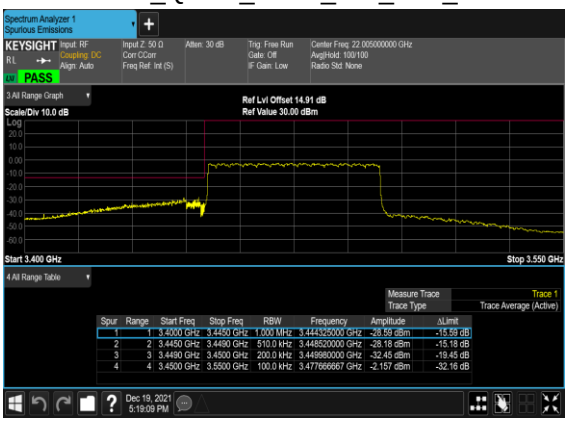
N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH



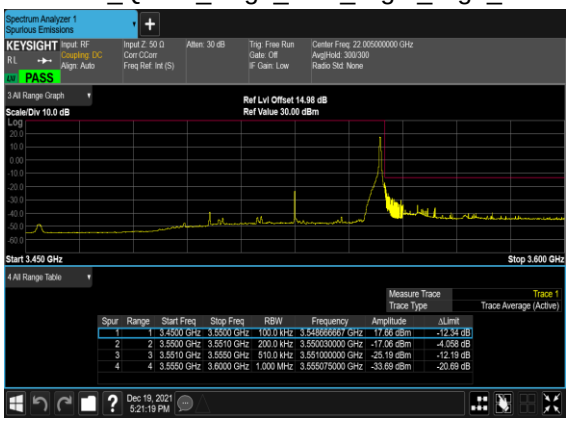
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



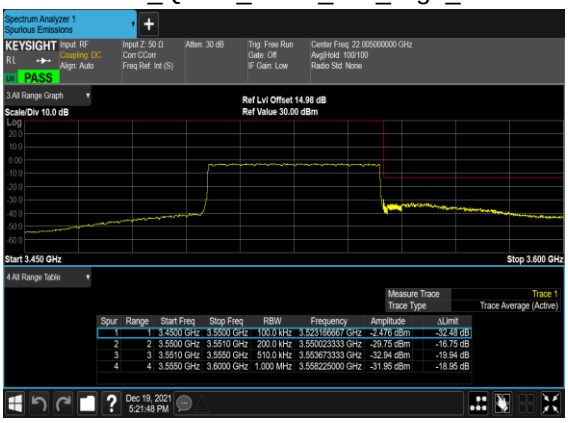
N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH



N77(50M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_CP-OFDM_QPSK_Outer_Full_High_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(100M)_CP-OFDM_QPSK_Edge_1RB_Right_Mid_CH

N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

Software Version: 21.02.121001

FR1 N77(MIMO ANT6) – SCS 30kHz

Frequency Stability

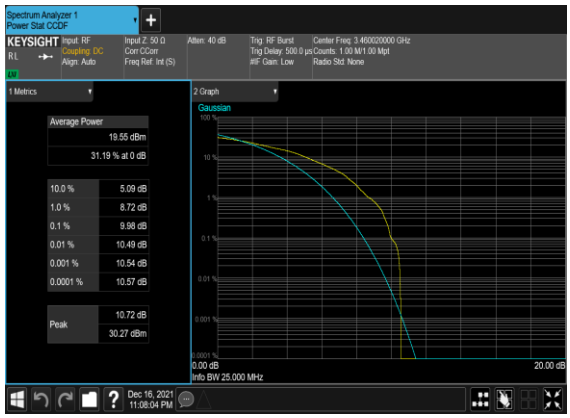
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0624	**PASS**	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0622	**PASS**	LV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0022	**PASS**	HV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0379	**PASS**	-30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0637	**PASS**	-20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0563	**PASS**	-10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0635	**PASS**	0℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0348	**PASS**	10℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0675	**PASS**	20℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0028	**PASS**	30℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0317	**PASS**	40℃
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0287	**PASS**	50℃

Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	630668	3460.02	CP-OFDM QPSK	51@0	10.72	13	**PASS**
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	9.98	13	**PASS**
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	10.81	13	**PASS**
77	30	20	633334	3500.01	CP-OFDM QPSK	1@0	11.02	13	**PASS**
77	30	20	636000	3540.0	CP-OFDM QPSK	51@0	10.67	13	**PASS**
77	30	20	636000	3540.0	CP-OFDM QPSK	1@0	10.82	13	**PASS**

N77(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(20M)_CP-OFDM_QPSK_Outer_Full_High_CH

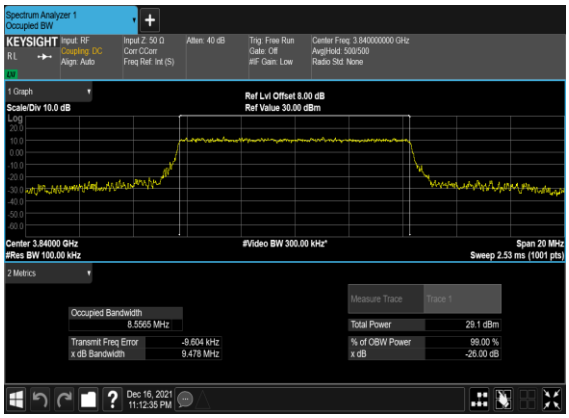
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH

Occupied Bandwidth

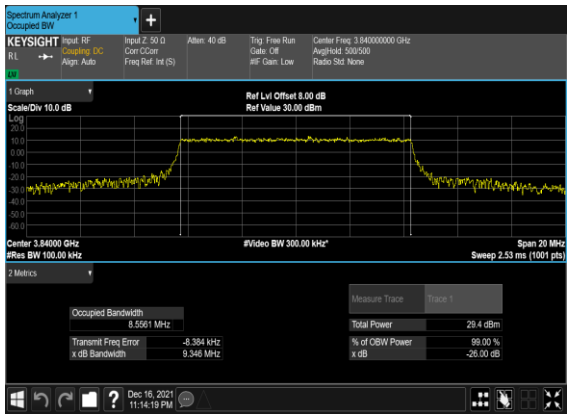
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5565	9.478
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5561	9.346
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5696	9.384
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5888	9.414
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.57	14.63
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.58	14.5
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.56	14.41
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.564	14.39
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.195	19.61
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.193	19.29
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.156	19.36
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.178	19.28
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.743	39.36
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.875	39.36
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.796	39.59
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.784	39.49
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.534	49.45
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.448	49.64
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.493	49.3
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.395	49.48
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.824	59.8
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.803	59.84
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.813	59.97
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.881	59.98
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.473	79.96

77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.441	80.0
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.454	80.13
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.379	80.1
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.258	90.29
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.361	90.42
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.471	90.23
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.29	90.2
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.314	100.5
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.412	100.6
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.167	100.4
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.196	100.4

N77(10M)_CP-OFDM_QPSK_Outer_Full_656000_CH

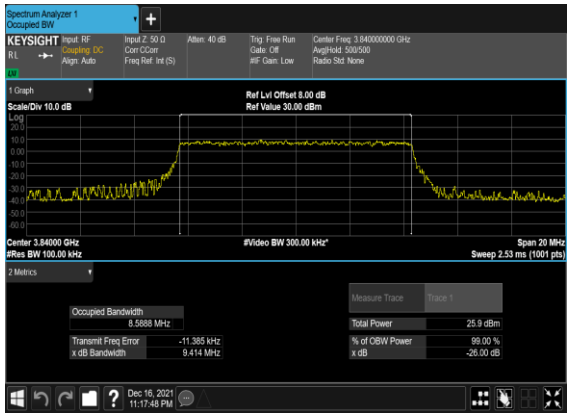


N77(10M)_CP-OFDM_16 QAM_Outer_Full_656000_CH

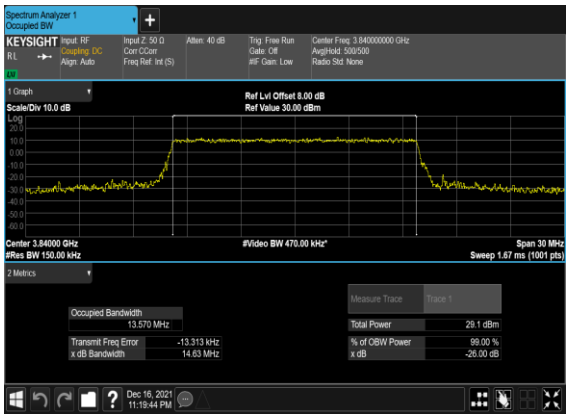


N77(10M)_CP-OFDM_64 QAM_Outer_Full_656000_CH

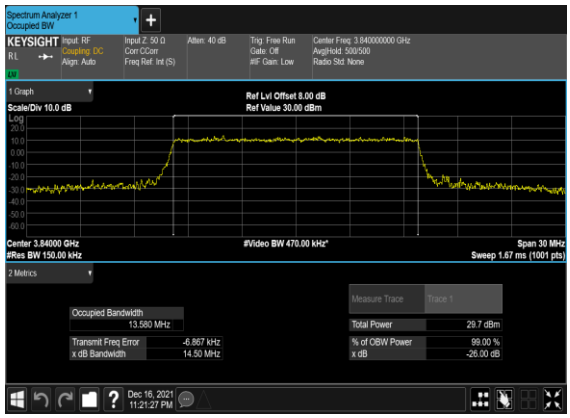
N77(10M)_CP-OFDM_256 QAM_Outer_Full_656000_CH



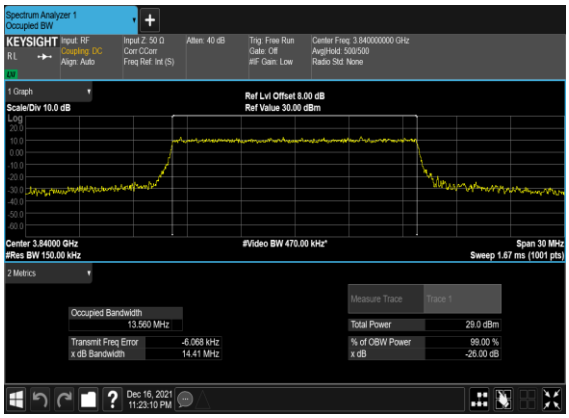
N77(15M)_CP-OFDM_QPSK_Outer_Full_656000_CH



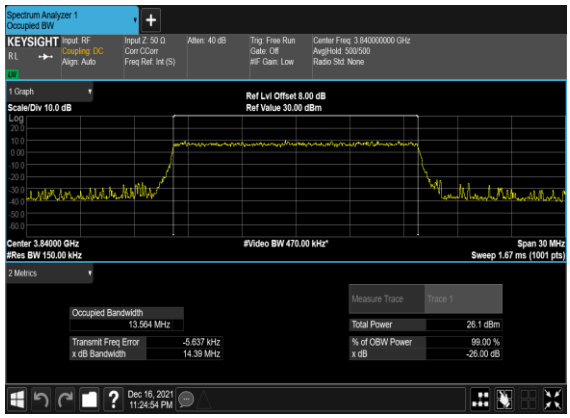
N77(15M)_CP-OFDM_16 QAM_Outer_Full_656000_CH



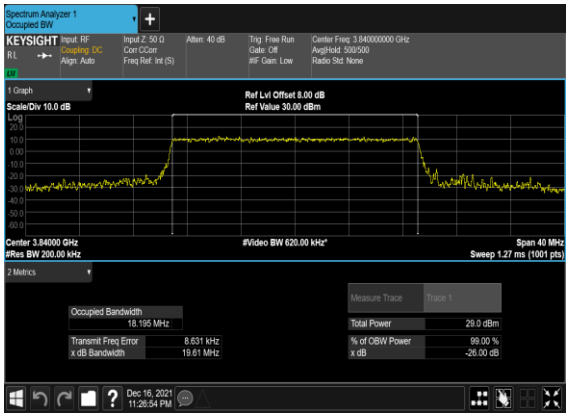
N77(15M)_CP-OFDM_64 QAM_Outer_Full_656000_CH



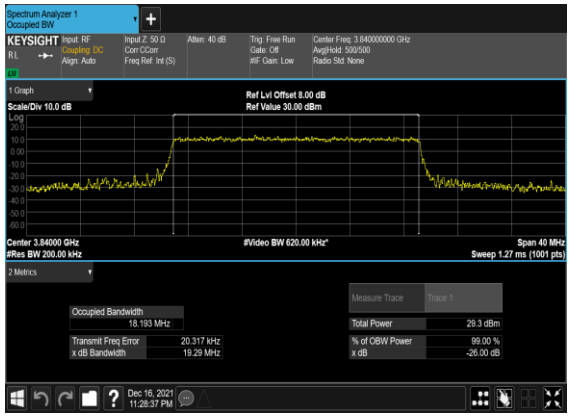
N77(15M)_CP-OFDM_256 QAM_Outer_Full_656000_CH



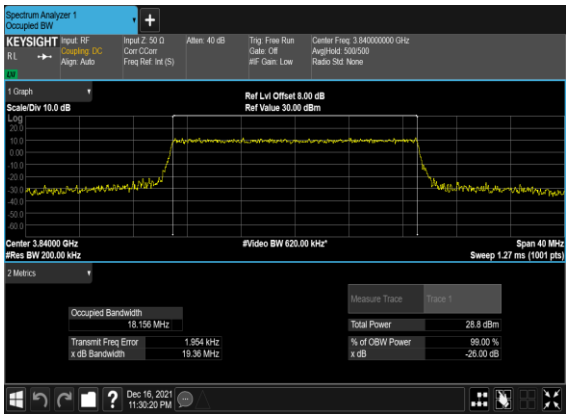
N77(20M)_CP-OFDM_QPSK_Outer_Full_656000_CH



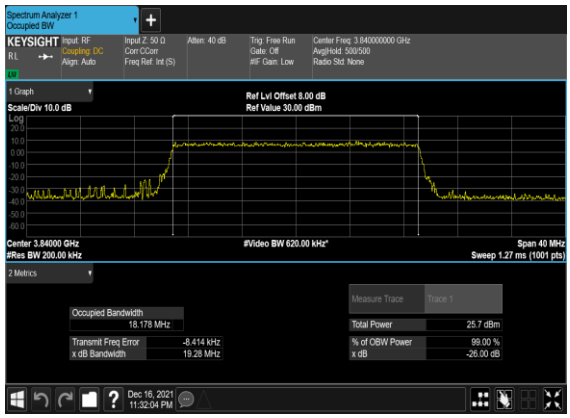
N77(20M)_CP-OFDM_16 QAM_Outer_Full_656000_CH



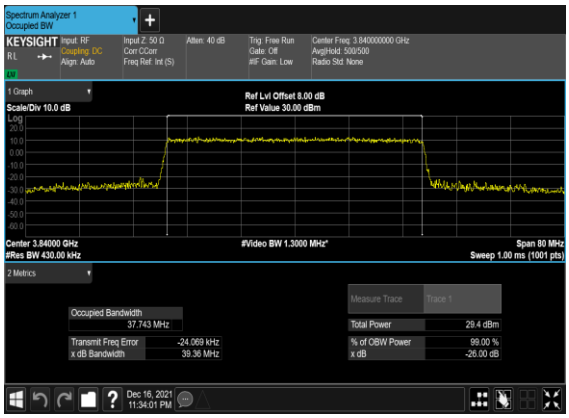
N77(20M)_CP-OFDM_64 QAM_Outer_Full_656000_CH



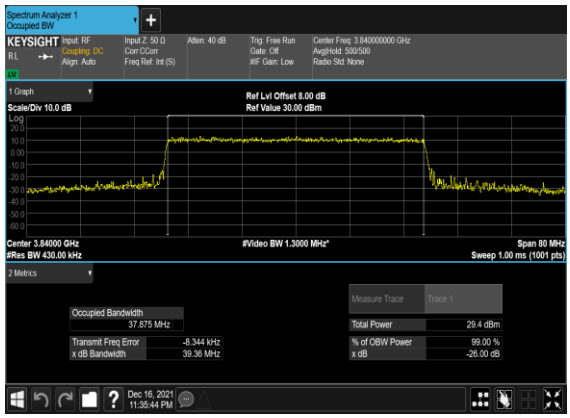
N77(20M)_CP-OFDM_256 QAM_Outer_Full_656000_CH



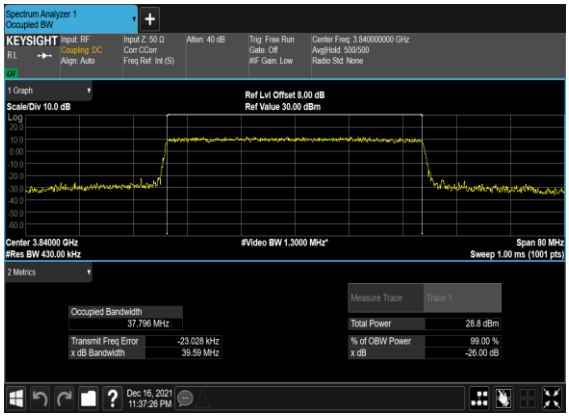
N77(40M)_CP-OFDM_QPSK_Outer_Full_656000_CH



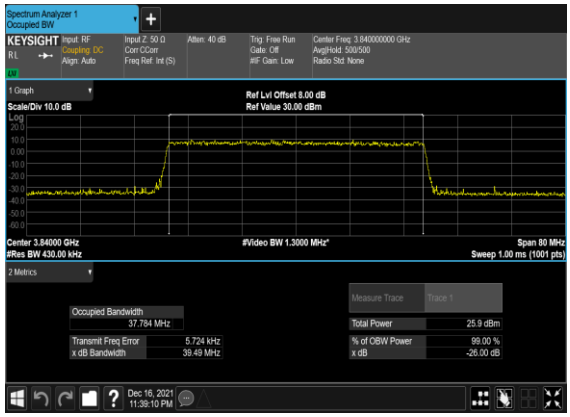
N77(40M)_CP-OFDM_16 QAM_Outer_Full_656000_CH



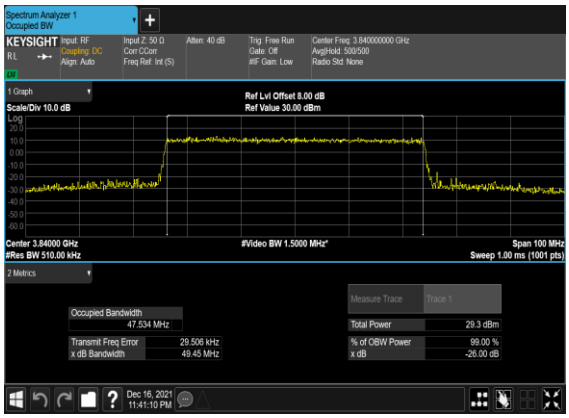
N77(40M)_CP-OFDM_64 QAM_Outer_Full_656000_CH



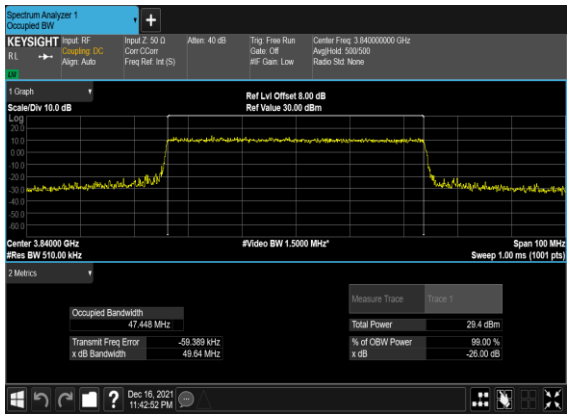
N77(40M)_CP-OFDM_256 QAM_Outer_Full_656000_CH



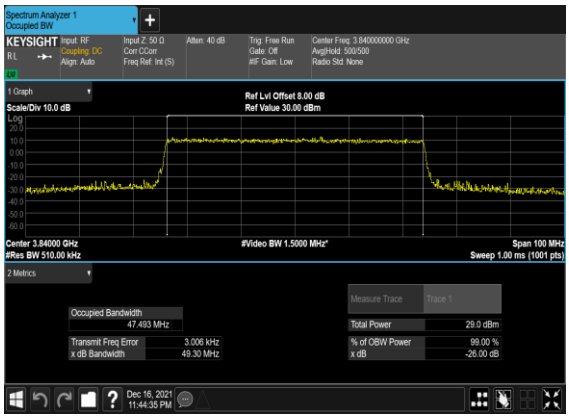
N77(50M)_CP-OFDM_QPSK_Outer_Full_656000_CH



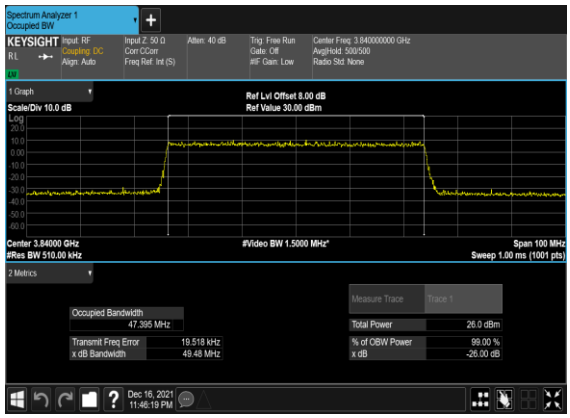
N77(50M)_CP-OFDM_16 QAM_Outer_Full_656000_CH



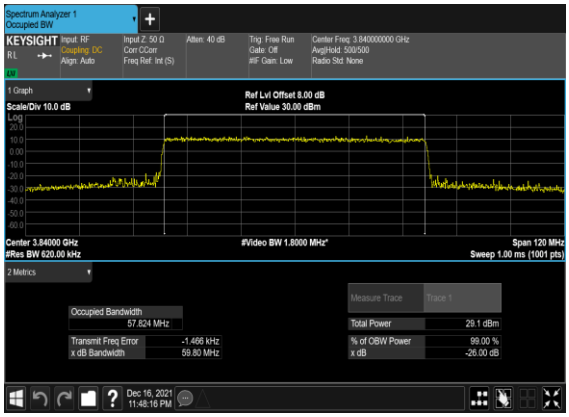
N77(50M)_CP-OFDM_64 QAM_Outer_Full_656000_CH



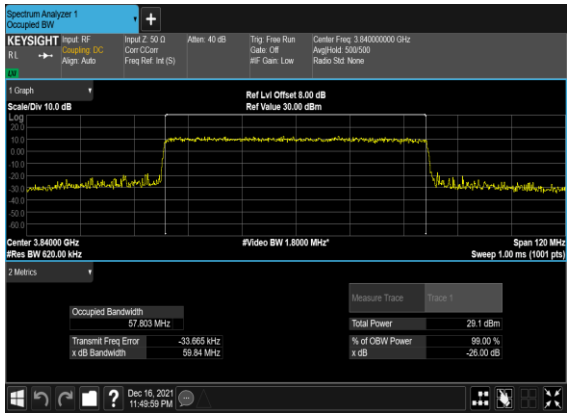
N77(50M)_CP-OFDM_256 QAM_Outer_Full_656000_CH



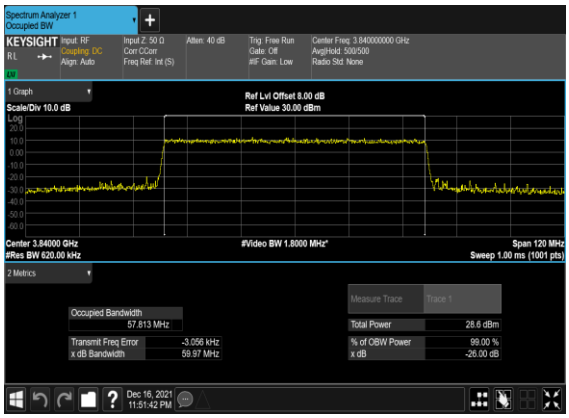
N77(60M)_CP-OFDM_QPSK_Outer_Full_656000_CH



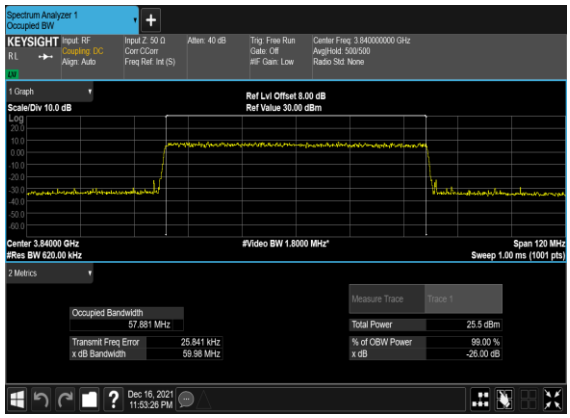
N77(60M)_CP-OFDM_16 QAM_Outer_Full_656000_CH



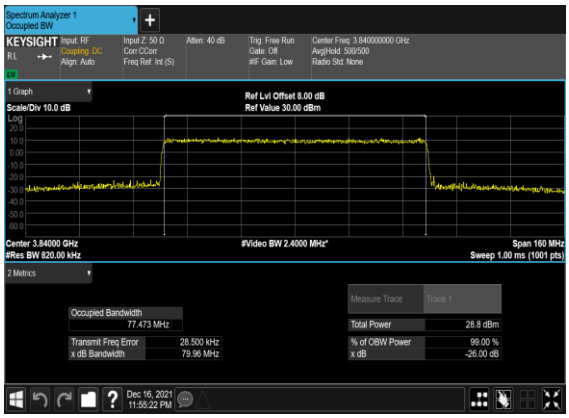
N77(60M)_CP-OFDM_64 QAM_Outer_Full_656000_CH



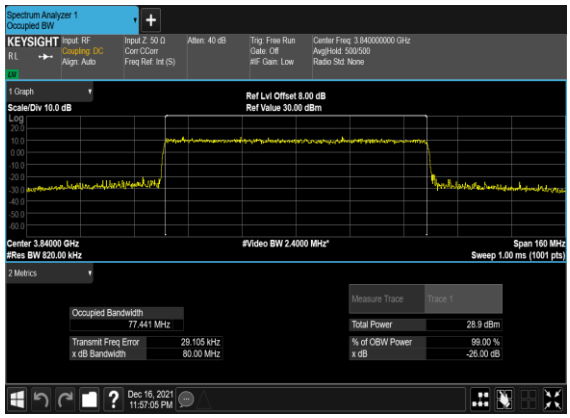
N77(60M)_CP-OFDM_256 QAM_Outer_Full_656000_CH



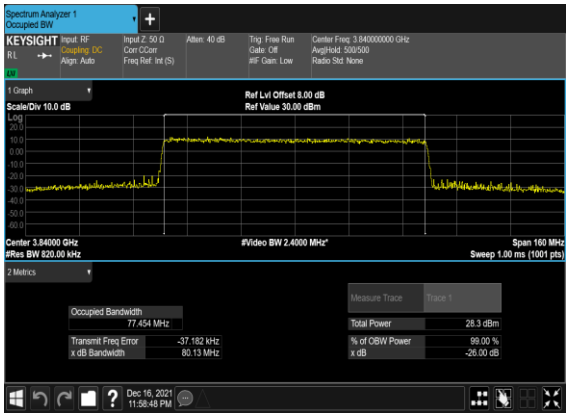
N77(80M)_CP-OFDM_QPSK_Outer_Full_656000_CH



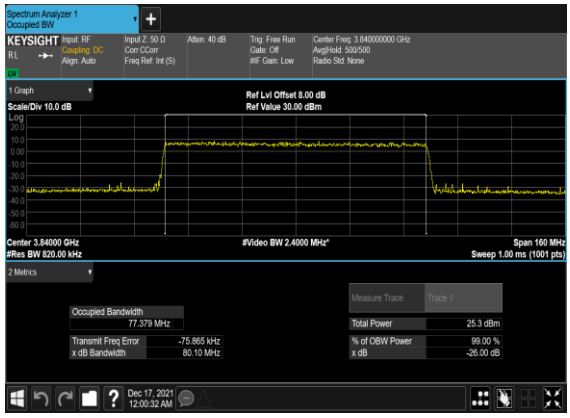
N77(80M)_CP-OFDM_16 QAM_Outer_Full_656000_CH



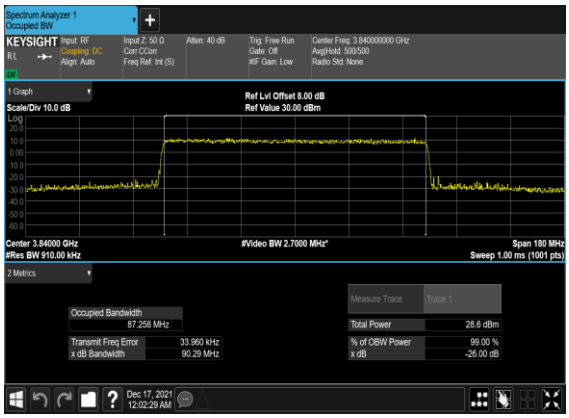
N77(80M)_CP-OFDM_64 QAM_Outer_Full_656000_CH



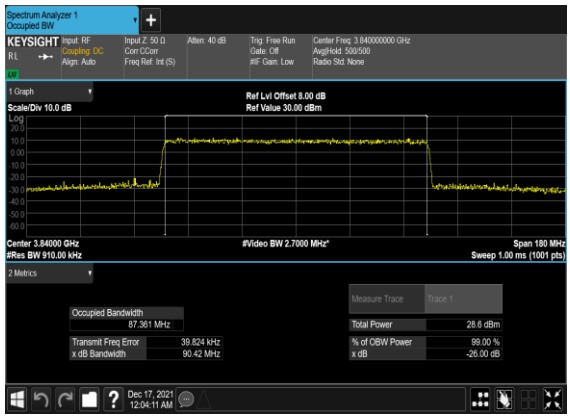
N77(80M)_CP-OFDM_256 QAM_Outer_Full_656000_CH



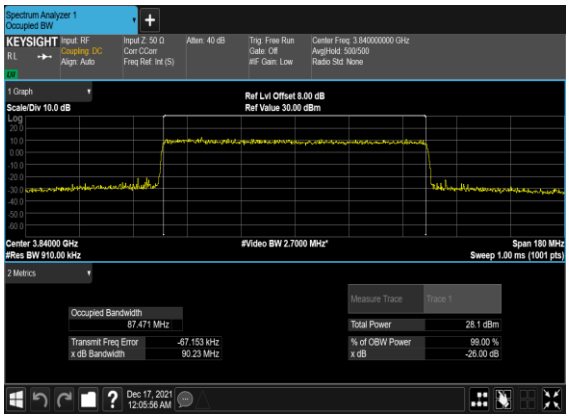
N77(90M)_CP-OFDM_QPSK_Outer_Full_656000_CH



N77(90M)_CP-OFDM_16 QAM_Outer_Full_656000_CH

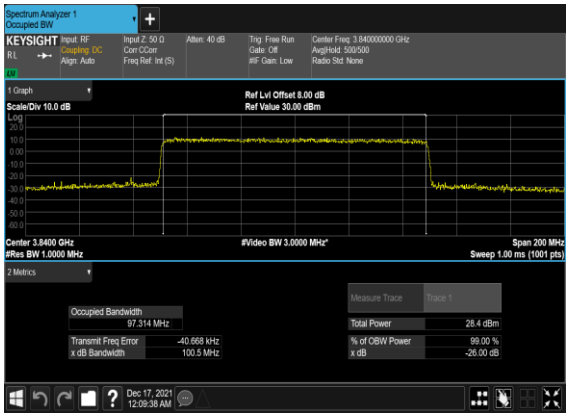


N77(90M)_CP-OFDM_64 QAM_Outer_Full_656000_CH



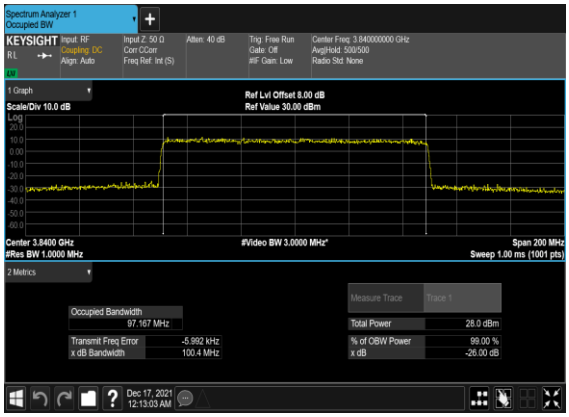
N77(90M)_CP-OFDM_256 QAM_Outer_Full_656000_CH

N77(100M)_CP-OFDM_QPSK_Outer_Full_656000_CH

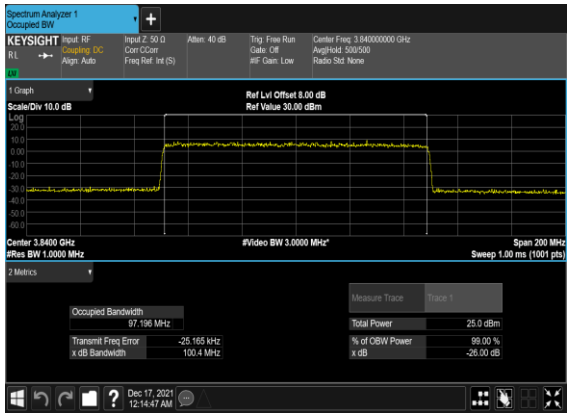


N77(100M)_CP-OFDM_16 QAM_Outer_Full_656000_CH

N77(100M)_CP-OFDM_64 QAM_Outer_Full_656000_CH



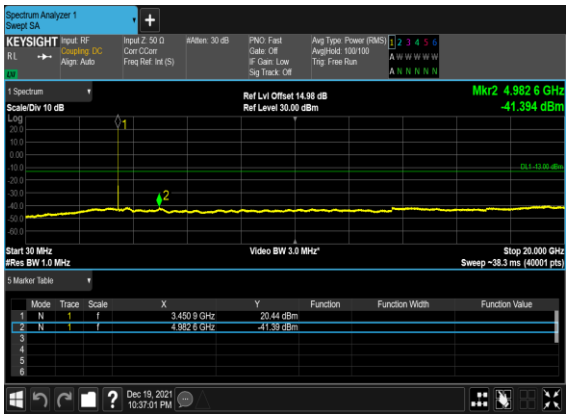
N77(100M)_CP-OFDM_256 QAM_Outer_Full_656000_CH



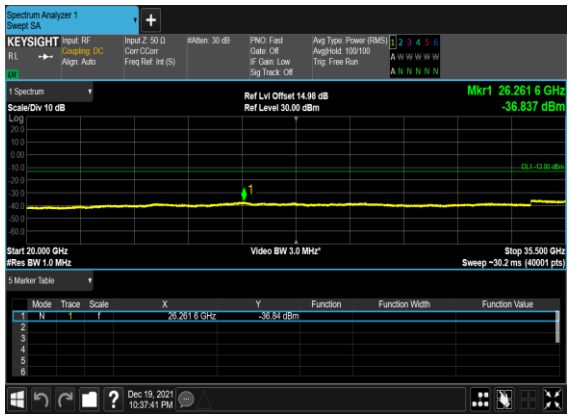
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	**---**
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**

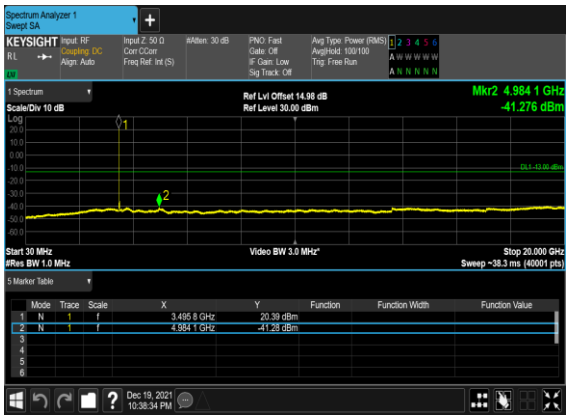
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



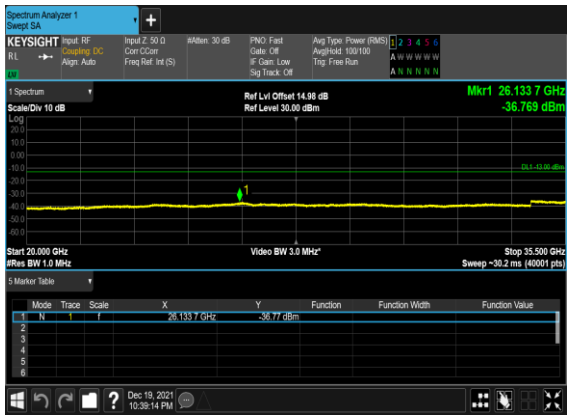
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



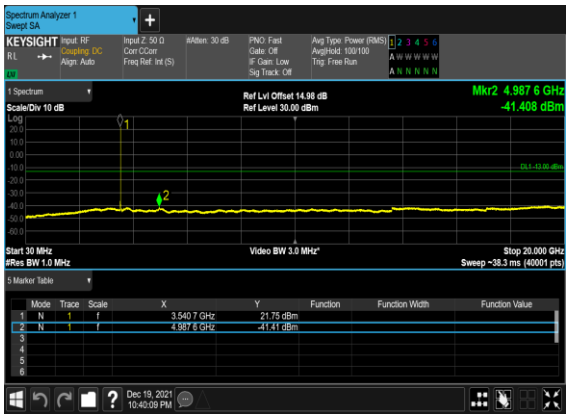
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



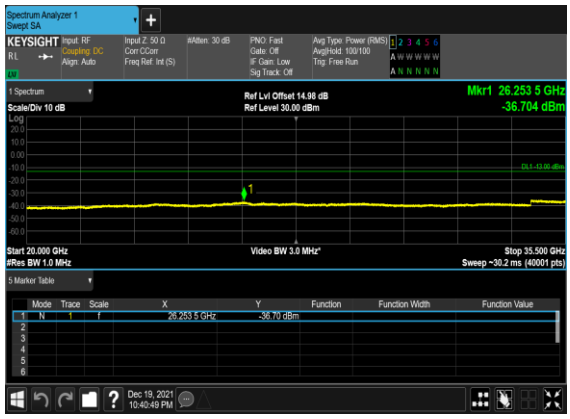
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



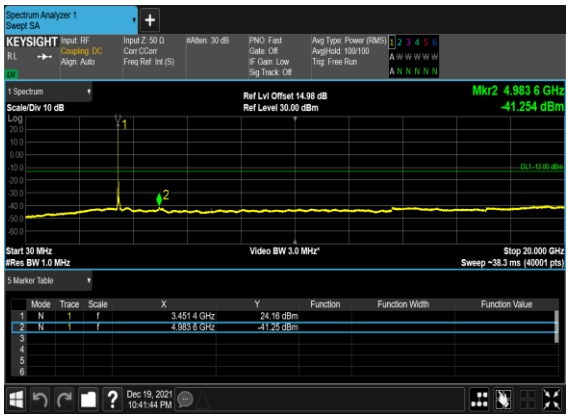
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



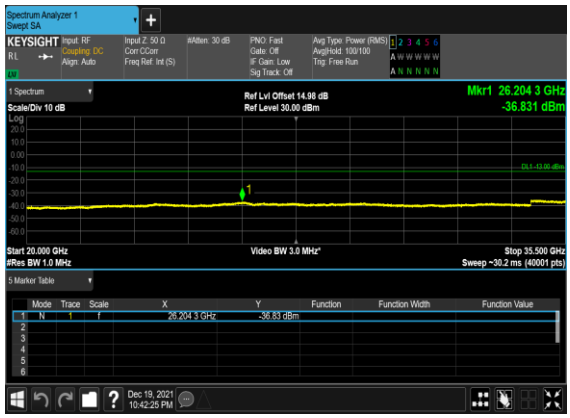
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



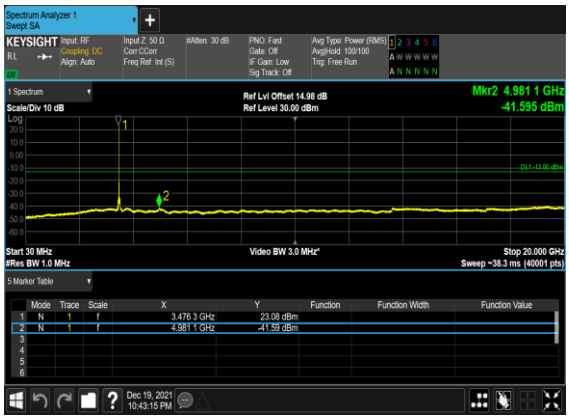
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



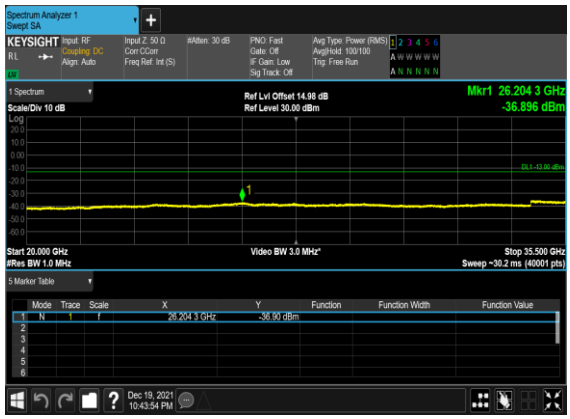
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



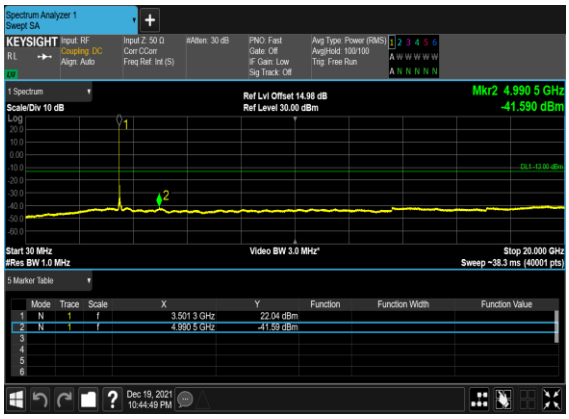
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



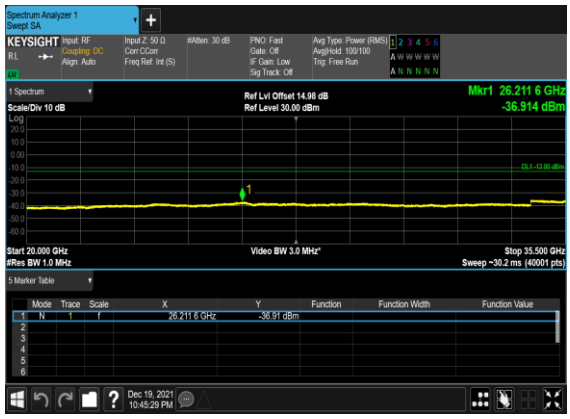
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



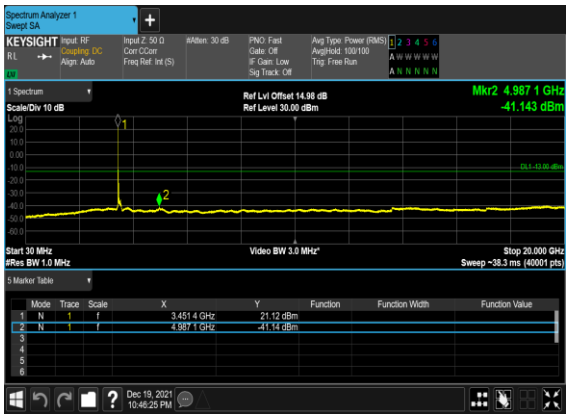
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



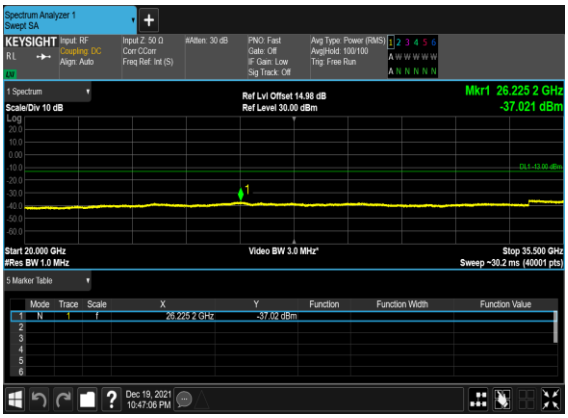
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



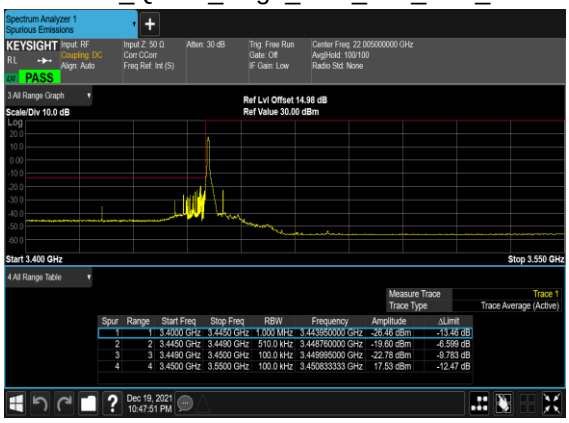
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



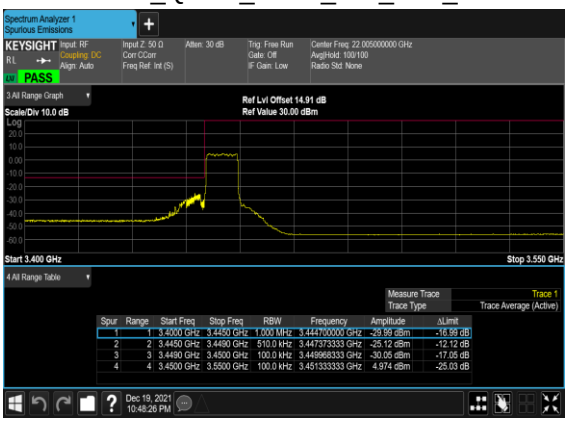
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	630334	3455.01	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	636332	3544.98	CP-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	636332	3544.98	CP-OFDM QPSK	24@0	see graph	**PASS**
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	631668	3475.02	CP-OFDM QPSK	133@0	see graph	**PASS**
77	30	50	635000	3525.0	CP-OFDM QPSK	1@132	see graph	**PASS**
77	30	50	635000	3525.0	CP-OFDM QPSK	133@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	see graph	**PASS**

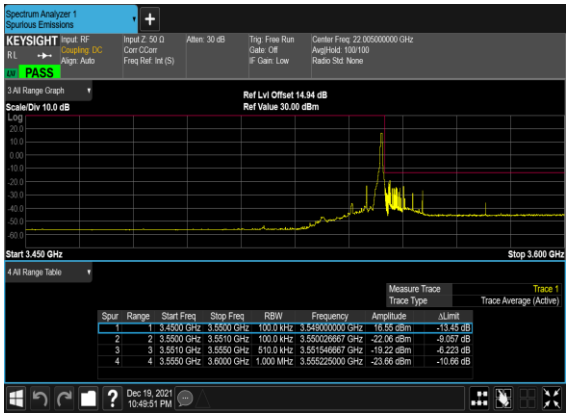
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



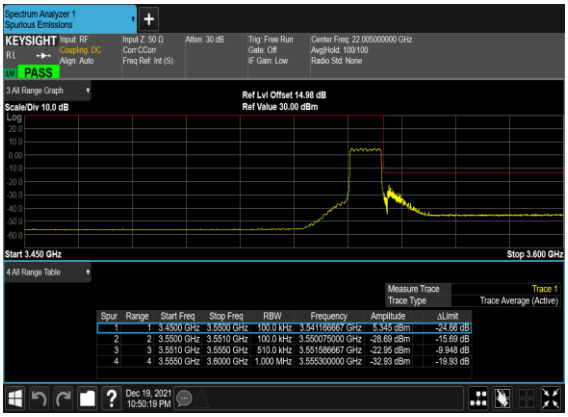
N77(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH



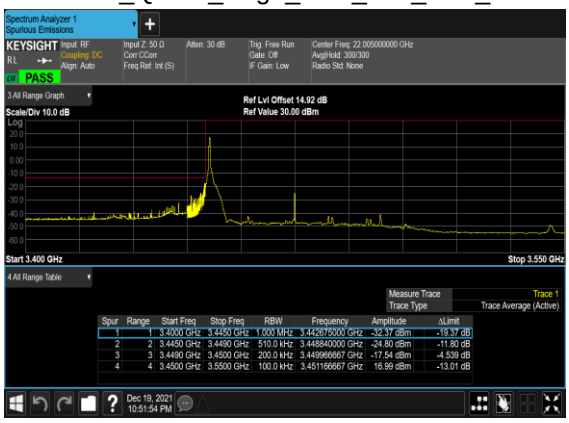
N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



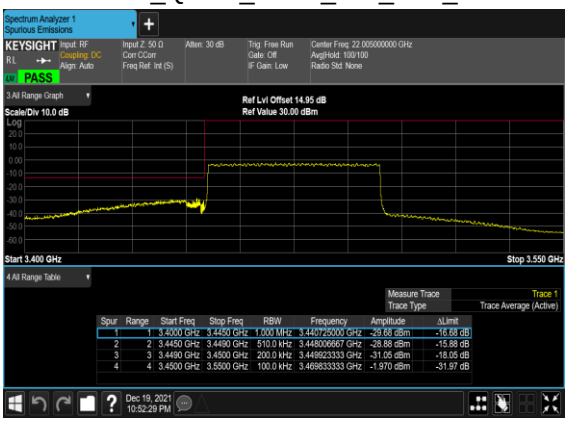
N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH



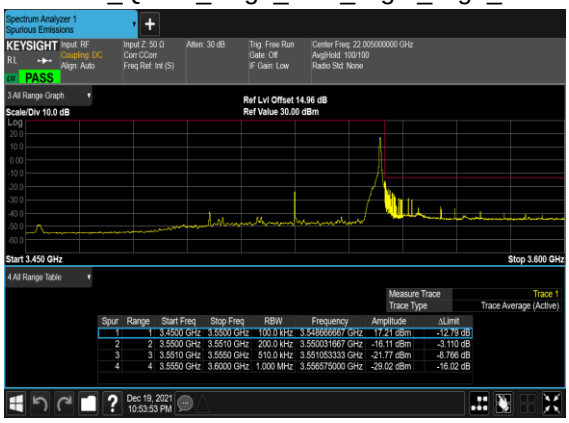
N77(50M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



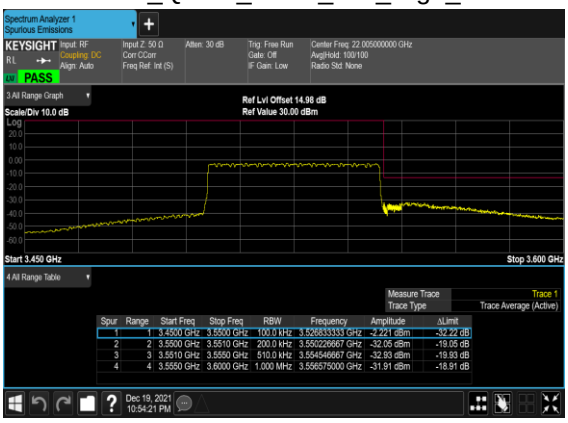
N77(50M)_CP-OFDM_QPSK_Outer_Full_Low_CH



N77(50M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



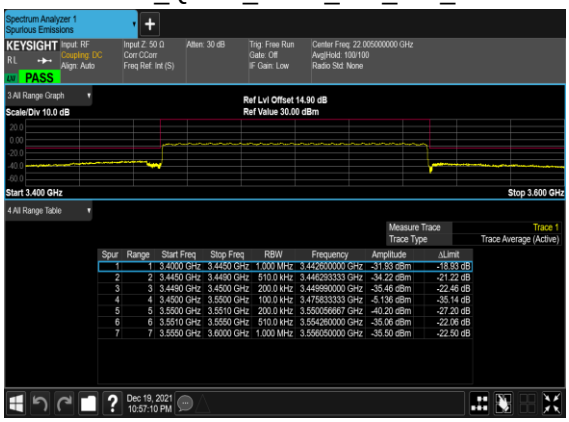
N77(50M)_CP-OFDM_QPSK_Outer_Full_High_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(100M)_CP-OFDM_QPSK_Edge_1RB_Right_Mid_CH

N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



Software Version: 21.02.121001

FR1 N78(ANT5) - SCS 15kHz

Transmitter Conducted Output Power

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)
78	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	25@12	26.27
78	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	26.19
78	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@50	26.22
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	25@12	26.27
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	26.17
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@50	26.2
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	25@12	25.35
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	25.03
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@50	25.07
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	25@12	23.77
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	23.65
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@50	23.7
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	25@12	21.78
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	21.9
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@50	21.97
78	15	10	630334	3455.01	CP-OFDM QPSK	26@13	24.76
78	15	10	630334	3455.01	CP-OFDM QPSK	1@1	24.72
78	15	10	630334	3455.01	CP-OFDM QPSK	1@50	24.76
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	26.14
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.04
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@50	26.06
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	25@12	26.15
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.99
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@50	26.02
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	25.16
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.26
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@50	25.3

78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	23.6
78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.5
78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@50	23.53
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	21.62
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.78
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@50	21.79
78	15	10	633334	3500.01	CP-OFDM QPSK	26@13	24.61
78	15	10	633334	3500.01	CP-OFDM QPSK	1@1	24.59
78	15	10	633334	3500.01	CP-OFDM QPSK	1@50	24.64
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	25@12	26.2
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@1	26.1
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@50	26.12
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	25@12	26.19
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	26.08
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@50	26.09
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	25@12	25.23
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	25.32
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@50	25.32
78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	25@12	23.69
78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@1	23.67
78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@50	23.71
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	25@12	21.67
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@1	21.8
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@50	21.81
78	15	10	636333	3544.995	CP-OFDM QPSK	26@13	24.69
78	15	10	636333	3544.995	CP-OFDM QPSK	1@1	24.68
78	15	10	636333	3544.995	CP-OFDM QPSK	1@50	24.7
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	36@18	26.26
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	26.11
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@77	26.09
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	36@18	26.27
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	26.08
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@77	26.08

78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@18	25.28
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	25.36
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@77	25.32
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	36@18	23.77
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	23.7
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@77	23.68
78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	36@18	21.82
78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	21.86
78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@77	21.87
78	15	15	630500	3457.5	CP-OFDM QPSK	39@19	24.75
78	15	15	630500	3457.5	CP-OFDM QPSK	1@1	24.7
78	15	15	630500	3457.5	CP-OFDM QPSK	1@77	24.72
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	26.11
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.97
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@77	25.99
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	36@18	26.14
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.95
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@77	25.95
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	25.11
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.21
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@77	25.22
78	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	23.62
78	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.56
78	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@77	23.56
78	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	21.68
78	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.75
78	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@77	21.75
78	15	15	633334	3500.01	CP-OFDM QPSK	39@19	24.58
78	15	15	633334	3500.01	CP-OFDM QPSK	1@1	24.53
78	15	15	633334	3500.01	CP-OFDM QPSK	1@77	24.59
78	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	36@18	26.17
78	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	26.04
78	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@77	26

78	15	15	636166	3542.49	DFT-s-OFDM QPSK	36@18	26.19
78	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	26
78	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@77	25.99
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@18	25.19
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	25.28
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@77	25.23
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	36@18	23.69
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	23.61
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@77	23.6
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	36@18	21.73
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	21.81
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@77	21.75
78	15	15	636166	3542.49	CP-OFDM QPSK	39@19	24.64
78	15	15	636166	3542.49	CP-OFDM QPSK	1@1	24.62
78	15	15	636166	3542.49	CP-OFDM QPSK	1@77	24.62
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	50@25	26.3
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@1	26.17
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@104	26.1
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	50@25	26.33
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	26.18
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@104	26.1
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	50@25	25.34
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	25.41
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@104	25.34
78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	50@25	23.74
78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@1	23.81
78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@104	23.73
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	50@25	21.93
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@1	21.99
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@104	21.93
78	15	20	630667	3460.005	CP-OFDM QPSK	53@26	24.76
78	15	20	630667	3460.005	CP-OFDM QPSK	1@1	24.76
78	15	20	630667	3460.005	CP-OFDM QPSK	1@104	24.67

78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	26.13
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.02
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	26.02
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	50@25	26.16
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.01
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.99
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	25.16
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.23
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	25.22
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	23.55
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.61
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	23.62
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	21.73
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.81
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	21.77
78	15	20	633334	3500.01	CP-OFDM QPSK	53@26	24.6
78	15	20	633334	3500.01	CP-OFDM QPSK	1@1	24.6
78	15	20	633334	3500.01	CP-OFDM QPSK	1@104	24.61
78	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	50@25	26.16
78	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	25.98
78	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@104	25.99
78	15	20	636000	3540	DFT-s-OFDM QPSK	50@25	26.21
78	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.98
78	15	20	636000	3540	DFT-s-OFDM QPSK	1@104	25.97
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	50@25	25.2
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.23
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@104	25.21
78	15	20	636000	3540	DFT-s-OFDM 64 QAM	50@25	23.62
78	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	23.59
78	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@104	23.61
78	15	20	636000	3540	DFT-s-OFDM 256 QAM	50@25	21.79
78	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	21.77
78	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@104	21.77

78	15	20	636000	3540	CP-OFDM QPSK	53@26	24.65
78	15	20	636000	3540	CP-OFDM QPSK	1@1	24.58
78	15	20	636000	3540	CP-OFDM QPSK	1@104	24.57
78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	108@54	26.15
78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.7
78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@214	25.47
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	108@54	26.17
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.71
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@214	25.5
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	108@54	25.15
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.94
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@214	24.73
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	108@54	23.65
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	23.29
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@214	23.09
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	108@54	21.75
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	21.53
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@214	21.31
78	15	40	631334	3470.01	CP-OFDM QPSK	108@54	24.61
78	15	40	631334	3470.01	CP-OFDM QPSK	1@1	24.33
78	15	40	631334	3470.01	CP-OFDM QPSK	1@214	24.07
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	26.06
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.54
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@214	25.41
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	108@54	26.09
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.57
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@214	25.4
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	25.06
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.8
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@214	24.65
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.55
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.17
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@214	23.02

78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21.65
78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.35
78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@214	21.2
78	15	40	633334	3500.01	CP-OFDM QPSK	108@54	24.52
78	15	40	633334	3500.01	CP-OFDM QPSK	1@1	24.18
78	15	40	633334	3500.01	CP-OFDM QPSK	1@214	23.98
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	108@54	26.18
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@1	25.64
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@214	25.59
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	108@54	26.2
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	25.64
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@214	25.6
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	108@54	25.19
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	24.88
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@214	24.82
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	108@54	23.68
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@1	23.21
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@214	23.19
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	108@54	21.79
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@1	21.45
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@214	21.41
78	15	40	635333	3529.995	CP-OFDM QPSK	108@54	24.63
78	15	40	635333	3529.995	CP-OFDM QPSK	1@1	24.25
78	15	40	635333	3529.995	CP-OFDM QPSK	1@214	24.17
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	26.18
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	26.09
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	25.85
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	26.21
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	26.1
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	25.85
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	25.25
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	25.17
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	24.86

78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	23.68
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	23.69
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	23.45
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	21.79
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	21.89
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	21.65
78	15	50	631667	3475.005	CP-OFDM QPSK	135@67	24.69
78	15	50	631667	3475.005	CP-OFDM QPSK	1@1	24.69
78	15	50	631667	3475.005	CP-OFDM QPSK	1@268	24.5
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.07
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.96
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	25.76
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.09
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.96
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	25.78
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.13
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.04
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	24.85
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.61
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.57
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	23.37
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.7
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.77
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	21.58
78	15	50	633334	3500.01	CP-OFDM QPSK	135@67	24.58
78	15	50	633334	3500.01	CP-OFDM QPSK	1@1	24.6
78	15	50	633334	3500.01	CP-OFDM QPSK	1@268	24.42
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	26.18
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	26.04
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	25.98
78	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	26.22
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.06
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	25.98

78	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	25.25
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	25.11
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	25.01
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	23.68
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	23.65
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	23.59
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	21.8
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	21.87
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	21.81
78	15	50	635000	3525	CP-OFDM QPSK	135@67	24.69
78	15	50	635000	3525	CP-OFDM QPSK	1@1	24.64
78	15	50	635000	3525	CP-OFDM QPSK	1@268	24.64

Software Version: 21.02.121001

FR1 N78(ANT5) - SCS 30kHz

Transmitter Conducted Output Power

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	12@6	26.28
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	26.21
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@22	26.2
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	12@6	26.25
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	26.21
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@22	26.15
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	12@6	25.35
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	25.47
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@22	25.37
78	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	12@6	23.73
78	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	23.81
78	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@22	23.77
78	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	12@6	21.92
78	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	21.97
78	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@22	21.68
78	30	10	630334	3455.01	CP-OFDM QPSK	12@6	24.9
78	30	10	630334	3455.01	CP-OFDM QPSK	1@1	24.65
78	30	10	630334	3455.01	CP-OFDM QPSK	1@22	24.61
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	12@6	26.15
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.02
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@22	26.03
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	12@6	26.13
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.9
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@22	25.95
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	12@6	25.18
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.27
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@22	25.3

78	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	12@6	23.58
78	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.49
78	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@22	23.58
78	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	12@6	21.78
78	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.49
78	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@22	21.76
78	30	10	633334	3500.01	CP-OFDM QPSK	12@6	24.77
78	30	10	633334	3500.01	CP-OFDM QPSK	1@1	24.45
78	30	10	633334	3500.01	CP-OFDM QPSK	1@22	24.35
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	12@6	26.19
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	26.16
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@22	26.1
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	12@6	26.18
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	26.12
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@22	26.13
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	12@6	25.29
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	25.47
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@22	25.5
78	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	12@6	23.71
78	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@1	23.75
78	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@22	23.64
78	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	12@6	21.82
78	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@1	21.8
78	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@22	21.75
78	30	10	636332	3544.98	CP-OFDM QPSK	12@6	24.79
78	30	10	636332	3544.98	CP-OFDM QPSK	1@1	24.57
78	30	10	636332	3544.98	CP-OFDM QPSK	1@22	24.52
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	18@9	26.27
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	26.27
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@36	26.17
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	18@9	26.33
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	26.27
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@36	26.16

78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	18@9	25.31
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	25.55
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@36	25.37
78	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	18@9	23.72
78	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	23.92
78	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@36	23.79
78	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	18@9	21.97
78	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	21.75
78	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@36	21.48
78	30	15	630500	3457.5	CP-OFDM QPSK	19@9	24.72
78	30	15	630500	3457.5	CP-OFDM QPSK	1@1	24.82
78	30	15	630500	3457.5	CP-OFDM QPSK	1@36	24.75
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	18@9	26.11
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.1
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@36	26.04
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	18@9	26.18
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.09
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@36	25.91
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	18@9	25.17
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.36
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@36	25.29
78	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	18@9	23.63
78	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.68
78	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@36	23.6
78	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	18@9	21.76
78	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.86
78	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@36	21.8
78	30	15	633334	3500.01	CP-OFDM QPSK	19@9	24.64
78	30	15	633334	3500.01	CP-OFDM QPSK	1@1	24.53
78	30	15	633334	3500.01	CP-OFDM QPSK	1@36	24.48
78	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	18@9	26.18
78	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	26.17
78	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@36	26.03

78	30	15	636166	3542.49	DFT-s-OFDM QPSK	18@9	26.22
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	26.03
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@36	26.04
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	18@9	25.22
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	25.21
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@36	25.13
78	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	18@9	23.62
78	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	23.69
78	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@36	23.61
78	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	18@9	21.8
78	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	21.69
78	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@36	21.79
78	30	15	636166	3542.49	CP-OFDM QPSK	19@9	24.66
78	30	15	636166	3542.49	CP-OFDM QPSK	1@1	24.6
78	30	15	636166	3542.49	CP-OFDM QPSK	1@36	24.49
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	26.34
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	26.21
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	26.08
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	26.35
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.26
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	26.11
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	25.34
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	25.5
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	25.35
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	23.82
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	23.69
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	23.76
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	21.91
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	21.8
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	21.52
78	30	20	630668	3460.02	CP-OFDM QPSK	25@12	24.74
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	24.61
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	24.51

78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	26.16
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.04
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	25.98
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	26.17
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.03
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.92
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	25.14
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.36
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	25.27
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	23.61
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.6
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	23.42
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	21.72
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.52
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	21.61
78	30	20	633334	3500.01	CP-OFDM QPSK	25@12	24.58
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	24.41
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	24.46
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	26.2
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	25.96
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	25.96
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	26.22
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.88
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	25.88
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	25.16
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.31
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	25.25
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	23.6
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	23.54
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	23.46
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	21.78
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	21.73
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	21.38

78	30	20	636000	3540	CP-OFDM QPSK	25@12	24.62
78	30	20	636000	3540	CP-OFDM QPSK	1@1	24.34
78	30	20	636000	3540	CP-OFDM QPSK	1@49	24.38
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	26.18
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.85
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	25.64
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	26.21
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.83
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	25.59
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	25.2
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.91
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	24.83
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	23.69
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	23.38
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	23.14
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	21.75
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	21.4
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	21.43
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	24.65
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	24.28
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	24.12
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	26.07
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.68
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	25.49
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	26.08
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.61
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.45
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	25.12
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.83
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	24.64
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	23.56
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.12
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	22.98

78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	21.62
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.89
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	21.06
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	24.55
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	24.15
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	24.13
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	26.18
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	25.72
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	25.69
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	26.19
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.69
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.67
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	25.2
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.83
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	25.1
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	23.68
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	23.28
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	23.43
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	21.74
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	21.21
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	21.21
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	24.61
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	24.13
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	24.17
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	26.22
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	26.05
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	25.81
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	26.28
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	26.08
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	25.88
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	25.27
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	25.34
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	25.11

78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	23.75
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	23.62
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	23.48
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	21.88
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	21.79
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	21.45
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	24.72
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	24.6
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	24.27
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	26.13
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.95
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	25.75
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	26.17
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.94
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	25.75
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	25.17
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.23
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	25.04
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	23.63
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.73
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	23.51
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	21.76
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.48
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	21.42
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	24.63
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	24.49
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	24.18
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	26.22
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	26.03
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	25.97
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	26.27
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.08
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	25.98

78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	25.26
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	25.18
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	25.21
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	23.69
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	23.6
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	23.44
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	21.83
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	21.47
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	21.42
78	30	50	635000	3525	CP-OFDM QPSK	67@33	24.7
78	30	50	635000	3525	CP-OFDM QPSK	1@1	24.68
78	30	50	635000	3525	CP-OFDM QPSK	1@131	24.58
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	26.21
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	25.92
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	25.7
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	26.22
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.9
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	25.69
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	25.2
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	25.28
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	24.94
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	23.68
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	23.57
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	23.33
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	21.81
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	21.63
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	21.2
78	30	60	632000	3480	CP-OFDM QPSK	81@40	24.7
78	30	60	632000	3480	CP-OFDM QPSK	1@1	24.36
78	30	60	632000	3480	CP-OFDM QPSK	1@160	24.16
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	26.12
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.81
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	25.67

78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	26.14
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.83
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.61
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	25.14
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.08
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	24.72
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	23.62
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.49
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	23.32
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	21.73
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.32
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	21.36
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	24.58
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	24.21
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	24
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	26.26
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	25.88
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	25.8
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	26.26
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.83
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	25.8
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	25.26
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.99
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	25.16
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	23.73
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	23.57
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	23.45
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	21.85
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	21.48
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	21.52
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	24.72
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	24.37
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	24.31

78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	26.19
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	25.71
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	25.41
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	26.2
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.78
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	25.5
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	25.23
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.9
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	24.67
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	23.69
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	23.36
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	23.04
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	21.8
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	21.52
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	21.02
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	24.66
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	24.05
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	23.77
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	26.17
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.62
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	25.43
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	26.17
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.73
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	25.43
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	25.15
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.88
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	24.65
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.66
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.09
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	23.03
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21.77
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.47
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	21.13

78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	24.57
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	24.11
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	23.8
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	26.11
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	25.6
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	25.44
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	26.13
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.72
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	25.51
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	25.17
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.83
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	24.6
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	23.6
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	23.25
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	23.05
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	21.75
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	21.24
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	21.02
78	30	80	634000	3510	CP-OFDM QPSK	109@54	24.59
78	30	80	634000	3510	CP-OFDM QPSK	1@1	24.08
78	30	80	634000	3510	CP-OFDM QPSK	1@215	23.88
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	26.13
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	25.56
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	25.21
78	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	26.14
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.58
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	25.23
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	25.16
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.81
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	24.43
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	23.62
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	23.26
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	22.86

78	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	21.73
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	21.36
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	21.08
78	30	90	633000	3495	CP-OFDM QPSK	123@61	24.58
78	30	90	633000	3495	CP-OFDM QPSK	1@1	23.93
78	30	90	633000	3495	CP-OFDM QPSK	1@243	23.69
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	26.1
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.52
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	25.24
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	26.13
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.51
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	25.26
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	25.12
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.73
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	24.43
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	23.59
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.09
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	22.86
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	21.69
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.32
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	20.98
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	24.56
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	23.93
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	23.74
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	26.11
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	25.49
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	25.26
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	26.14
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.48
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	25.3
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	25.15
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.74
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	24.49

78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	23.6
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	23.17
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	22.93
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	21.72
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	21.15
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	20.87
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	24.57
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	23.94
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	23.64
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.05
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.37
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.09
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.09
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.37
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.08
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.11
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.63
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.33
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.57
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.95
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.66
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.7
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.13
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.87
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.59
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.79
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.51

Software Version: 21.02.121001

FR1 N78(MIMO ANT5+6) - SCS 15kHz

Transmitter Conducted Output Power

SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT5 Power(dBm)	ANT6 Power(dBm)	Conducted Power(dBm)
15	10	630334	3455.01	CP-OFDM QPSK	26@13	21.58	21.59	24.60
15	10	630334	3455.01	CP-OFDM QPSK	1@1	21.49	21.65	24.58
15	10	630334	3455.01	CP-OFDM QPSK	1@50	21.6	21.49	24.56
15	10	630334	3455.01	CP-OFDM 16 QAM	26@13	21.08	21.03	24.07
15	10	630334	3455.01	CP-OFDM 16 QAM	1@1	21.03	21.03	24.04
15	10	630334	3455.01	CP-OFDM 16 QAM	1@50	20.97	21.06	24.03
15	10	630334	3455.01	CP-OFDM 64 QAM	26@13	19.43	19.62	22.54
15	10	630334	3455.01	CP-OFDM 64 QAM	1@1	19.75	19.47	22.62
15	10	630334	3455.01	CP-OFDM 64 QAM	1@50	19.84	19.21	22.55
15	10	630334	3455.01	CP-OFDM 256 QAM	26@13	16.51	16.48	19.51
15	10	630334	3455.01	CP-OFDM 256 QAM	1@1	16.48	16.72	19.61
15	10	630334	3455.01	CP-OFDM 256 QAM	1@50	16.57	16.73	19.66
15	10	633334	3500.01	CP-OFDM QPSK	26@13	21.46	21.8	24.64
15	10	633334	3500.01	CP-OFDM QPSK	1@1	21.41	21.89	24.67
15	10	633334	3500.01	CP-OFDM QPSK	1@50	21.55	21.9	24.74
15	10	633334	3500.01	CP-OFDM 16 QAM	26@13	21	21.32	24.17
15	10	633334	3500.01	CP-OFDM 16 QAM	1@1	20.68	21.03	23.87
15	10	633334	3500.01	CP-OFDM 16 QAM	1@50	20.68	21.03	23.87
15	10	633334	3500.01	CP-OFDM 64 QAM	26@13	19.35	19.82	22.60
15	10	633334	3500.01	CP-OFDM 64 QAM	1@1	19.68	19.36	22.53
15	10	633334	3500.01	CP-OFDM 64 QAM	1@50	19.02	19.39	22.22
15	10	633334	3500.01	CP-OFDM 256 QAM	26@13	16.44	16.7	19.58
15	10	633334	3500.01	CP-OFDM 256 QAM	1@1	16.41	16.73	19.58
15	10	633334	3500.01	CP-OFDM 256 QAM	1@50	16.37	16.82	19.61
15	10	636333	3544.995	CP-OFDM QPSK	26@13	21.6	21.77	24.70
15	10	636333	3544.995	CP-OFDM QPSK	1@1	21.55	21.85	24.71
15	10	636333	3544.995	CP-OFDM QPSK	1@50	21.57	21.89	24.74

15	10	636333	3544.995	CP-OFDM 16 QAM	26@13	21.13	21.19	24.17
15	10	636333	3544.995	CP-OFDM 16 QAM	1@1	20.99	21.03	24.02
15	10	636333	3544.995	CP-OFDM 16 QAM	1@50	20.98	21.03	24.02
15	10	636333	3544.995	CP-OFDM 64 QAM	26@13	19.6	19.8	22.71
15	10	636333	3544.995	CP-OFDM 64 QAM	1@1	19.8	19.75	22.79
15	10	636333	3544.995	CP-OFDM 64 QAM	1@50	18.88	19.36	22.14
15	10	636333	3544.995	CP-OFDM 256 QAM	26@13	16.49	16.74	19.63
15	10	636333	3544.995	CP-OFDM 256 QAM	1@1	16.46	16.77	19.63
15	10	636333	3544.995	CP-OFDM 256 QAM	1@50	16.44	16.75	19.61
15	15	630500	3549.99	CP-OFDM QPSK	39@19	21.52	21.53	24.54
15	15	630500	3549.99	CP-OFDM QPSK	1@1	21.47	21.51	24.50
15	15	630500	3549.99	CP-OFDM QPSK	1@77	21.1	21.5	24.31
15	15	630500	3457.5	CP-OFDM 16 QAM	39@19	21.05	20.95	24.01
15	15	630500	3457.5	CP-OFDM 16 QAM	1@1	20.84	20.82	23.84
15	15	630500	3457.5	CP-OFDM 16 QAM	1@77	20.74	20.75	23.76
15	15	630500	3457.5	CP-OFDM 64 QAM	39@19	19.55	19.42	22.50
15	15	630500	3457.5	CP-OFDM 64 QAM	1@1	19.37	19.37	22.38
15	15	630500	3457.5	CP-OFDM 64 QAM	1@77	19.33	19.28	22.32
15	15	630500	3457.5	CP-OFDM 256 QAM	39@19	16.44	16.4	19.43
15	15	630500	3457.5	CP-OFDM 256 QAM	1@1	16.29	16.36	19.34
15	15	630500	3457.5	CP-OFDM 256 QAM	1@77	16.23	16.33	19.29
15	15	633334	3500.01	CP-OFDM QPSK	39@19	21.36	21.57	24.48
15	15	633334	3500.01	CP-OFDM QPSK	1@1	21.37	21.49	24.44
15	15	633334	3500.01	CP-OFDM QPSK	1@77	21.35	21.47	24.42
15	15	633334	3500.01	CP-OFDM 16 QAM	39@19	20.83	21.07	23.96
15	15	633334	3500.01	CP-OFDM 16 QAM	1@1	20.74	20.98	23.87
15	15	633334	3500.01	CP-OFDM 16 QAM	1@77	20.63	20.97	23.81
15	15	633334	3500.01	CP-OFDM 64 QAM	39@19	19.39	19.6	22.51
15	15	633334	3500.01	CP-OFDM 64 QAM	1@1	19.24	19.52	22.39
15	15	633334	3500.01	CP-OFDM 64 QAM	1@77	19.25	19.52	22.40
15	15	633334	3500.01	CP-OFDM 256 QAM	39@19	16.22	16.56	19.40
15	15	633334	3500.01	CP-OFDM 256 QAM	1@1	16.17	16.54	19.37
15	15	633334	3500.01	CP-OFDM 256 QAM	1@77	16.17	16.58	19.39

15	15	636166	3500.01	CP-OFDM QPSK	39@19	21.38	21.61	24.51
15	15	636166	3500.01	CP-OFDM QPSK	1@1	21.39	21.53	24.47
15	15	636166	3500.01	CP-OFDM QPSK	1@77	21.34	21.5	24.43
15	15	636166	3500.01	CP-OFDM 16 QAM	39@19	20.86	21.11	24.00
15	15	636166	3542.49	CP-OFDM 16 QAM	1@1	20.75	20.97	23.87
15	15	636166	3542.49	CP-OFDM 16 QAM	1@77	20.67	20.96	23.83
15	15	636166	3542.49	CP-OFDM 64 QAM	39@19	19.44	19.59	22.53
15	15	636166	3542.49	CP-OFDM 64 QAM	1@1	19.34	19.53	22.45
15	15	636166	3542.49	CP-OFDM 64 QAM	1@77	19.25	19.47	22.37
15	15	636166	3542.49	CP-OFDM 256 QAM	39@19	16.39	16.56	19.49
15	15	636166	3542.49	CP-OFDM 256 QAM	1@1	16.32	16.5	19.42
15	15	636166	3542.49	CP-OFDM 256 QAM	1@77	16.2	16.54	19.38
15	20	630667	3542.49	CP-OFDM QPSK	53@26	19.86	20.05	22.97
15	20	630667	3542.49	CP-OFDM QPSK	1@1	21.46	21.52	24.50
15	20	630667	3542.49	CP-OFDM QPSK	1@104	21.49	21.55	24.53
15	20	630667	3460.005	CP-OFDM 16 QAM	53@26	21.05	20.94	24.01
15	20	630667	3460.005	CP-OFDM 16 QAM	1@1	20.98	20.85	23.93
15	20	630667	3460.005	CP-OFDM 16 QAM	1@104	20.87	20.84	23.87
15	20	630667	3460.005	CP-OFDM 64 QAM	53@26	19.52	19.39	22.47
15	20	630667	3460.005	CP-OFDM 64 QAM	1@1	19.54	19.46	22.51
15	20	630667	3460.005	CP-OFDM 64 QAM	1@104	19.5	19.4	22.46
15	20	630667	3460.005	CP-OFDM 256 QAM	53@26	16.47	16.35	19.42
15	20	630667	3460.005	CP-OFDM 256 QAM	1@1	16.51	16.46	19.50
15	20	630667	3460.005	CP-OFDM 256 QAM	1@104	16.37	16.34	19.37
15	20	633334	3500.01	CP-OFDM QPSK	53@26	21.39	21.6	24.51
15	20	633334	3500.01	CP-OFDM QPSK	1@1	21.48	21.6	24.55
15	20	633334	3500.01	CP-OFDM QPSK	1@104	21.41	21.6	24.52
15	20	633334	3500.01	CP-OFDM 16 QAM	53@26	20.85	21.1	23.99
15	20	633334	3500.01	CP-OFDM 16 QAM	1@1	20.83	21.02	23.94
15	20	633334	3500.01	CP-OFDM 16 QAM	1@104	20.8	21.03	23.93
15	20	633334	3500.01	CP-OFDM 64 QAM	53@26	19.29	19.54	22.43
15	20	633334	3500.01	CP-OFDM 64 QAM	1@1	19.44	19.55	22.51
15	20	633334	3500.01	CP-OFDM 64 QAM	1@104	19.39	19.57	22.49

15	20	633334	3500.01	CP-OFDM 256 QAM	53@26	16.31	16.51	19.42
15	20	633334	3500.01	CP-OFDM 256 QAM	1@1	16.26	16.58	19.43
15	20	633334	3500.01	CP-OFDM 256 QAM	1@104	16.23	16.58	19.42
15	20	636000	3540	CP-OFDM QPSK	53@26	21.49	21.65	24.58
15	20	636000	3540	CP-OFDM QPSK	1@1	21.49	21.56	24.54
15	20	636000	3540	CP-OFDM QPSK	1@104	21.43	21.6	24.53
15	20	636000	3540	CP-OFDM 16 QAM	53@26	20.92	21.07	24.01
15	20	636000	3540	CP-OFDM 16 QAM	1@1	20.87	20.97	23.93
15	20	636000	3540	CP-OFDM 16 QAM	1@104	20.79	21.02	23.92
15	20	636000	3540	CP-OFDM 64 QAM	53@26	19.4	19.48	22.45
15	20	636000	3540	CP-OFDM 64 QAM	1@1	19.47	19.52	22.51
15	20	636000	3540	CP-OFDM 64 QAM	1@104	19.37	19.57	22.48
15	20	636000	3540	CP-OFDM 256 QAM	53@26	16.36	16.51	19.45
15	20	636000	3540	CP-OFDM 256 QAM	1@1	16.31	16.58	19.46
15	20	636000	3540	CP-OFDM 256 QAM	1@104	16.31	16.61	19.47
15	40	631334	3470.01	CP-OFDM QPSK	108@54	21.03	21.58	24.32
15	40	631334	3470.01	CP-OFDM QPSK	1@1	21.15	21.06	24.12
15	40	631334	3470.01	CP-OFDM QPSK	1@214	20.91	20.97	23.95
15	40	631334	3470.01	CP-OFDM 16 QAM	108@54	20.85	20.93	23.90
15	40	631334	3470.01	CP-OFDM 16 QAM	1@1	20.53	20.57	23.56
15	40	631334	3470.01	CP-OFDM 16 QAM	1@214	20.26	20.38	23.33
15	40	631334	3470.01	CP-OFDM 64 QAM	108@54	19.38	19.39	22.40
15	40	631334	3470.01	CP-OFDM 64 QAM	1@1	19.1	19.14	22.13
15	40	631334	3470.01	CP-OFDM 64 QAM	1@214	18.89	18.94	21.93
15	40	631334	3470.01	CP-OFDM 256 QAM	108@54	16.28	16.35	19.33
15	40	631334	3470.01	CP-OFDM 256 QAM	1@1	16.1	16.14	19.13
15	40	631334	3470.01	CP-OFDM 256 QAM	1@214	15.83	15.98	18.92
15	40	633334	3500.01	CP-OFDM QPSK	108@54	21.35	21.52	24.45
15	40	633334	3500.01	CP-OFDM QPSK	1@1	21.03	21.17	24.11
15	40	633334	3500.01	CP-OFDM QPSK	1@214	20.87	21	23.95
15	40	633334	3500.01	CP-OFDM 16 QAM	108@54	20.77	21.08	23.94
15	40	633334	3500.01	CP-OFDM 16 QAM	1@1	20.42	20.63	23.54
15	40	633334	3500.01	CP-OFDM 16 QAM	1@214	20.22	20.47	23.36

15	40	633334	3500.01	CP-OFDM 64 QAM	108@54	19.32	19.49	22.42
15	40	633334	3500.01	CP-OFDM 64 QAM	1@1	18.94	19.13	22.05
15	40	633334	3500.01	CP-OFDM 64 QAM	1@214	18.77	18.93	21.86
15	40	633334	3500.01	CP-OFDM 256 QAM	108@54	16.29	16.47	19.39
15	40	633334	3500.01	CP-OFDM 256 QAM	1@1	16.01	16.22	19.13
15	40	633334	3500.01	CP-OFDM 256 QAM	1@214	15.84	16.07	18.97
15	40	635333	3529.995	CP-OFDM QPSK	108@54	21.41	21.51	24.47
15	40	635333	3529.995	CP-OFDM QPSK	1@1	21.03	21.17	24.11
15	40	635333	3529.995	CP-OFDM QPSK	1@214	20.98	21.03	24.02
15	40	635333	3529.995	CP-OFDM 16 QAM	108@54	20.89	20.99	23.95
15	40	635333	3529.995	CP-OFDM 16 QAM	1@1	20.45	20.66	23.57
15	40	635333	3529.995	CP-OFDM 16 QAM	1@214	20.36	20.45	23.42
15	40	635333	3529.995	CP-OFDM 64 QAM	108@54	19.36	19.5	22.44
15	40	635333	3529.995	CP-OFDM 64 QAM	1@1	18.92	19.17	22.06
15	40	635333	3529.995	CP-OFDM 64 QAM	1@214	18.92	19.05	22.00
15	40	635333	3529.995	CP-OFDM 256 QAM	108@54	16.34	16.42	19.39
15	40	635333	3529.995	CP-OFDM 256 QAM	1@1	15.99	16.23	19.12
15	40	635333	3529.995	CP-OFDM 256 QAM	1@214	15.95	16.11	19.04
15	50	631667	3475.005	CP-OFDM QPSK	135@67	21.45	21.45	24.46
15	50	631667	3475.005	CP-OFDM QPSK	1@1	21.48	21.4	24.45
15	50	631667	3475.005	CP-OFDM QPSK	1@268	21.16	21.32	24.25
15	50	631667	3475.005	CP-OFDM 16 QAM	135@67	20.99	20.97	23.99
15	50	631667	3475.005	CP-OFDM 16 QAM	1@1	20.92	20.95	23.95
15	50	631667	3475.005	CP-OFDM 16 QAM	1@268	20.6	20.85	23.74
15	50	631667	3475.005	CP-OFDM 64 QAM	135@67	19.42	19.47	22.46
15	50	631667	3475.005	CP-OFDM 64 QAM	1@1	19.44	19.52	22.49
15	50	631667	3475.005	CP-OFDM 64 QAM	1@268	19.14	19.38	22.27
15	50	631667	3475.005	CP-OFDM 256 QAM	135@67	16.42	16.34	19.39
15	50	631667	3475.005	CP-OFDM 256 QAM	1@1	16.4	16.52	19.47
15	50	631667	3475.005	CP-OFDM 256 QAM	1@268	16.11	16.36	19.25
15	50	633334	3475.005	CP-OFDM QPSK	135@67	21.49	21.47	24.49
15	50	633334	3475.005	CP-OFDM QPSK	1@1	21.53	21.48	24.52
15	50	633334	3500.01	CP-OFDM QPSK	1@268	21.27	21.41	24.35

15	50	633334	3500.01	CP-OFDM 16 QAM	135@67	20.86	21.05	23.97
15	50	633334	3500.01	CP-OFDM 16 QAM	1@1	20.83	20.95	23.90
15	50	633334	3500.01	CP-OFDM 16 QAM	1@268	20.64	20.86	23.76
15	50	633334	3500.01	CP-OFDM 64 QAM	135@67	19.35	19.56	22.47
15	50	633334	3500.01	CP-OFDM 64 QAM	1@1	19.4	19.55	22.49
15	50	633334	3500.01	CP-OFDM 64 QAM	1@268	19.27	19.39	22.34
15	50	633334	3500.01	CP-OFDM 256 QAM	135@67	16.31	16.49	19.41
15	50	633334	3500.01	CP-OFDM 256 QAM	1@1	16.33	16.56	19.46
15	50	633334	3500.01	CP-OFDM 256 QAM	1@268	16.14	16.48	19.32
15	50	635000	3500.01	CP-OFDM QPSK	135@67	21.37	21.59	24.49
15	50	635000	3525	CP-OFDM QPSK	1@1	21.45	21.55	24.51
15	50	635000	3525	CP-OFDM QPSK	1@268	21.38	21.44	24.42
15	50	635000	3525	CP-OFDM 16 QAM	135@67	20.95	21.05	24.01
15	50	635000	3525	CP-OFDM 16 QAM	1@1	20.82	21.01	23.93
15	50	635000	3525	CP-OFDM 16 QAM	1@268	20.75	20.85	23.81
15	50	635000	3525	CP-OFDM 64 QAM	135@67	19.5	19.56	22.54
15	50	635000	3525	CP-OFDM 64 QAM	1@1	19.44	19.53	22.50
15	50	635000	3525	CP-OFDM 64 QAM	1@268	19.39	19.42	22.42
15	50	635000	3525	CP-OFDM 256 QAM	135@67	16.43	16.5	19.48
15	50	635000	3525	CP-OFDM 256 QAM	1@1	16.4	16.54	19.48
15	50	635000	3525	CP-OFDM 256 QAM	1@268	16.28	16.45	19.38

Software Version: 21.02.121001

FR1 N78(MIMO ANT5+6) - SCS 30kHz

Transmitter Conducted Output Power

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT5 Power(dBm)	ANT6 Power(dBm)	Conducted Power(dBm)
78	30	10	630334	3455.01	CP-OFDM QPSK	12@6	21.43	21.59	24.52
78	30	10	630334	3455.01	CP-OFDM QPSK	1@1	21.52	21.43	24.49
78	30	10	630334	3455.01	CP-OFDM QPSK	1@22	21.46	21.45	24.47
78	30	10	630334	3455.01	CP-OFDM 16 QAM	12@6	20.95	21.11	24.04
78	30	10	630334	3455.01	CP-OFDM 16 QAM	1@1	20.9	20.97	23.95
78	30	10	630334	3455.01	CP-OFDM 16 QAM	1@22	20.8	21.05	23.94
78	30	10	630334	3455.01	CP-OFDM 64 QAM	12@6	19.44	19.6	22.53
78	30	10	630334	3455.01	CP-OFDM 64 QAM	1@1	19.5	19.44	22.48
78	30	10	630334	3455.01	CP-OFDM 64 QAM	1@22	19.41	19.5	22.47
78	30	10	630334	3455.01	CP-OFDM 256 QAM	12@6	16.31	16.53	19.43
78	30	10	630334	3455.01	CP-OFDM 256 QAM	1@1	16.46	16.53	19.51
78	30	10	630334	3455.01	CP-OFDM 256 QAM	1@22	16.37	16.51	19.45
78	30	10	633334	3500.01	CP-OFDM QPSK	12@6	21.48	21.57	24.54
78	30	10	633334	3500.01	CP-OFDM QPSK	1@1	21.53	21.43	24.49
78	30	10	633334	3500.01	CP-OFDM QPSK	1@22	21.45	21.47	24.47
78	30	10	633334	3500.01	CP-OFDM 16 QAM	12@6	20.94	21.13	24.05
78	30	10	633334	3500.01	CP-OFDM 16 QAM	1@1	20.84	20.99	23.93
78	30	10	633334	3500.01	CP-OFDM 16 QAM	1@22	20.78	20.98	23.89
78	30	10	633334	3500.01	CP-OFDM 64 QAM	12@6	19.48	19.54	22.52
78	30	10	633334	3500.01	CP-OFDM 64 QAM	1@1	19.56	19.43	22.51
78	30	10	633334	3500.01	CP-OFDM 64 QAM	1@22	19.45	19.48	22.48
78	30	10	633334	3500.01	CP-OFDM 256 QAM	12@6	16.32	16.49	19.42
78	30	10	633334	3500.01	CP-OFDM 256 QAM	1@1	16.19	16.08	19.15
78	30	10	633334	3500.01	CP-OFDM 256 QAM	1@22	16.09	16.17	19.14
78	30	10	636332	3544.98	CP-OFDM QPSK	12@6	21.49	21.6	24.56
78	30	10	636332	3544.98	CP-OFDM QPSK	1@1	21.47	21.5	24.50
78	30	10	636332	3544.98	CP-OFDM QPSK	1@22	21.46	21.45	24.47

78	30	10	636332	3544.98	CP-OFDM 16 QAM	12@6	20.94	21.1	24.03
78	30	10	636332	3544.98	CP-OFDM 16 QAM	1@1	20.89	20.98	23.95
78	30	10	636332	3544.98	CP-OFDM 16 QAM	1@22	20.83	21.03	23.94
78	30	10	636332	3544.98	CP-OFDM 64 QAM	12@6	19.44	19.59	22.53
78	30	10	636332	3544.98	CP-OFDM 64 QAM	1@1	19.49	19.39	22.45
78	30	10	636332	3544.98	CP-OFDM 64 QAM	1@22	19.47	19.46	22.48
78	30	10	636332	3544.98	CP-OFDM 256 QAM	12@6	16.56	16.22	19.40
78	30	10	636332	3544.98	CP-OFDM 256 QAM	1@1	16.45	16.53	19.50
78	30	10	636332	3544.98	CP-OFDM 256 QAM	1@22	16.39	16.57	19.49
78	30	15	630500	3457.5	CP-OFDM QPSK	19@9	19.98	20.03	23.02
78	30	15	630500	3457.5	CP-OFDM QPSK	1@1	21.54	21.44	24.50
78	30	15	630500	3457.5	CP-OFDM QPSK	1@36	21.57	21.43	24.51
78	30	15	630500	3457.5	CP-OFDM 16 QAM	19@9	19.96	20.01	23.00
78	30	15	630500	3457.5	CP-OFDM 16 QAM	1@1	20.9	21.02	23.97
78	30	15	630500	3457.5	CP-OFDM 16 QAM	1@36	20.87	20.95	23.92
78	30	15	630500	3457.5	CP-OFDM 64 QAM	19@9	19.44	19.47	22.47
78	30	15	630500	3457.5	CP-OFDM 64 QAM	1@1	19.51	19.36	22.45
78	30	15	630500	3457.5	CP-OFDM 64 QAM	1@36	19.4	19.52	22.47
78	30	15	630500	3457.5	CP-OFDM 256 QAM	19@9	16.44	16.52	19.49
78	30	15	630500	3457.5	CP-OFDM 256 QAM	1@1	16.5	16.54	19.53
78	30	15	630500	3457.5	CP-OFDM 256 QAM	1@36	16.35	16.62	19.50
78	30	15	633334	3500.01	CP-OFDM QPSK	19@9	21.36	21.54	24.46
78	30	15	633334	3500.01	CP-OFDM QPSK	1@1	21.44	21.51	24.49
78	30	15	633334	3500.01	CP-OFDM QPSK	1@36	21.31	21.53	24.43
78	30	15	633334	3500.01	CP-OFDM 16 QAM	19@9	20.84	21.01	23.94
78	30	15	633334	3500.01	CP-OFDM 16 QAM	1@1	20.86	21.02	23.95
78	30	15	633334	3500.01	CP-OFDM 16 QAM	1@36	20.73	21.02	23.89
78	30	15	633334	3500.01	CP-OFDM 64 QAM	19@9	19.36	19.5	22.44
78	30	15	633334	3500.01	CP-OFDM 64 QAM	1@1	18.89	19.39	22.16
78	30	15	633334	3500.01	CP-OFDM 64 QAM	1@36	19.28	19.49	22.40
78	30	15	633334	3500.01	CP-OFDM 256 QAM	19@9	16.25	16.44	19.36
78	30	15	633334	3500.01	CP-OFDM 256 QAM	1@1	16.35	16.6	19.49
78	30	15	633334	3500.01	CP-OFDM 256 QAM	1@36	16.28	16.54	19.42

78	30	15	636166	3542.49	CP-OFDM QPSK	19@9	21.52	21.8	24.67
78	30	15	636166	3542.49	CP-OFDM QPSK	1@1	21.59	21.68	24.65
78	30	15	636166	3542.49	CP-OFDM QPSK	1@36	21.41	21.72	24.58
78	30	15	636166	3542.49	CP-OFDM 16 QAM	19@9	20.97	21.26	24.13
78	30	15	636166	3542.49	CP-OFDM 16 QAM	1@1	20.86	21.25	24.07
78	30	15	636166	3542.49	CP-OFDM 16 QAM	1@36	20.73	21.26	24.01
78	30	15	636166	3542.49	CP-OFDM 64 QAM	19@9	19.39	19.81	22.62
78	30	15	636166	3542.49	CP-OFDM 64 QAM	1@1	19.48	19.7	22.60
78	30	15	636166	3542.49	CP-OFDM 64 QAM	1@36	19.37	19.74	22.57
78	30	15	636166	3542.49	CP-OFDM 256 QAM	19@9	16.37	16.73	19.56
78	30	15	636166	3542.49	CP-OFDM 256 QAM	1@1	16.44	16.76	19.61
78	30	15	636166	3542.49	CP-OFDM 256 QAM	1@36	16.31	16.87	19.61
78	30	20	630668	3542.49	CP-OFDM QPSK	25@12	19.92	20.26	23.10
78	30	20	630668	3542.49	CP-OFDM QPSK	1@1	21.57	21.66	24.63
78	30	20	630668	3542.49	CP-OFDM QPSK	1@49	21.57	21.68	24.64
78	30	20	630668	3542.49	CP-OFDM 16 QAM	25@12	20.96	21.33	24.16
78	30	20	630668	3542.49	CP-OFDM 16 QAM	1@1	20.84	21.19	24.03
78	30	20	630668	3542.49	CP-OFDM 16 QAM	1@49	20.82	21.02	23.93
78	30	20	630668	3460.02	CP-OFDM 64 QAM	25@12	19.48	19.64	22.57
78	30	20	630668	3460.02	CP-OFDM 64 QAM	1@1	19.51	19.42	22.48
78	30	20	630668	3460.02	CP-OFDM 64 QAM	1@49	19.4	19.39	22.41
78	30	20	630668	3460.02	CP-OFDM 256 QAM	25@12	16.45	16.62	19.55
78	30	20	630668	3460.02	CP-OFDM 256 QAM	1@1	16.5	16.54	19.53
78	30	20	630668	3460.02	CP-OFDM 256 QAM	1@49	16.38	16.49	19.45
78	30	20	633334	3500.01	CP-OFDM QPSK	25@12	21.36	21.55	24.47
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	21.41	21.4	24.42
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	21.37	21.28	24.34
78	30	20	633334	3500.01	CP-OFDM 16 QAM	25@12	20.88	21	23.95
78	30	20	633334	3500.01	CP-OFDM 16 QAM	1@1	20.73	20.89	23.82
78	30	20	633334	3500.01	CP-OFDM 16 QAM	1@49	20.68	20.85	23.78
78	30	20	633334	3500.01	CP-OFDM 64 QAM	25@12	19.3	19.52	22.42
78	30	20	633334	3500.01	CP-OFDM 64 QAM	1@1	18.84	19.4	22.14
78	30	20	633334	3500.01	CP-OFDM 64 QAM	1@49	18.79	19.31	22.07

78	30	20	633334	3500.01	CP-OFDM 256 QAM	25@12	16.21	16.44	19.34
78	30	20	633334	3500.01	CP-OFDM 256 QAM	1@1	16.11	16.04	19.09
78	30	20	633334	3500.01	CP-OFDM 256 QAM	1@49	16.06	16.07	19.08
78	30	20	636000	3500.01	CP-OFDM QPSK	25@12	21.37	21.53	24.46
78	30	20	636000	3540	CP-OFDM QPSK	1@1	21.4	21.54	24.48
78	30	20	636000	3540	CP-OFDM QPSK	1@49	21.35	21.53	24.45
78	30	20	636000	3540	CP-OFDM 16 QAM	25@12	20.95	21.3	24.14
78	30	20	636000	3540	CP-OFDM 16 QAM	1@1	20.76	21.16	23.97
78	30	20	636000	3540	CP-OFDM 16 QAM	1@49	20.7	21.16	23.95
78	30	20	636000	3540	CP-OFDM 64 QAM	25@12	19.42	19.76	22.60
78	30	20	636000	3540	CP-OFDM 64 QAM	1@1	19.44	19.57	22.52
78	30	20	636000	3540	CP-OFDM 64 QAM	1@49	19.32	19.56	22.45
78	30	20	636000	3540	CP-OFDM 256 QAM	25@12	16.41	16.76	19.60
78	30	20	636000	3540	CP-OFDM 256 QAM	1@1	16.39	16.71	19.56
78	30	20	636000	3540	CP-OFDM 256 QAM	1@49	16.33	16.69	19.52
78	30	40	631334	3540	CP-OFDM QPSK	53@26	21.39	21.7	24.56
78	30	40	631334	3540	CP-OFDM QPSK	1@1	21.03	21.21	24.13
78	30	40	631334	3540	CP-OFDM QPSK	1@104	21.06	21.22	24.15
78	30	40	631334	3540	CP-OFDM 16 QAM	53@26	20.87	21.22	24.06
78	30	40	631334	3470.01	CP-OFDM 16 QAM	1@1	20.54	20.7	23.63
78	30	40	631334	3470.01	CP-OFDM 16 QAM	1@104	20.28	20.48	23.39
78	30	40	631334	3470.01	CP-OFDM 64 QAM	53@26	19.31	19.57	22.45
78	30	40	631334	3470.01	CP-OFDM 64 QAM	1@1	19.17	19.17	22.18
78	30	40	631334	3470.01	CP-OFDM 64 QAM	1@104	18.96	18.98	21.98
78	30	40	631334	3470.01	CP-OFDM 256 QAM	53@26	16.28	16.53	19.42
78	30	40	631334	3470.01	CP-OFDM 256 QAM	1@1	16.21	16.35	19.29
78	30	40	631334	3470.01	CP-OFDM 256 QAM	1@104	16.01	16.08	19.06
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	21.26	21.46	24.37
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	21.07	21.19	24.14
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	20.93	21.02	23.99
78	30	40	633334	3500.01	CP-OFDM 16 QAM	53@26	20.78	20.99	23.90
78	30	40	633334	3500.01	CP-OFDM 16 QAM	1@1	20.45	20.75	23.61
78	30	40	633334	3500.01	CP-OFDM 16 QAM	1@104	20.27	20.54	23.42

78	30	40	633334	3500.01	CP-OFDM 64 QAM	53@26	19.2	19.51	22.37
78	30	40	633334	3500.01	CP-OFDM 64 QAM	1@1	19.03	19.26	22.16
78	30	40	633334	3500.01	CP-OFDM 64 QAM	1@104	19.06	19.11	22.10
78	30	40	633334	3500.01	CP-OFDM 256 QAM	53@26	16.19	16.4	19.31
78	30	40	633334	3500.01	CP-OFDM 256 QAM	1@1	15.84	15.94	18.90
78	30	40	633334	3500.01	CP-OFDM 256 QAM	1@104	15.71	15.75	18.74
78	30	40	635332	3500.01	CP-OFDM QPSK	53@26	21.27	21.49	24.39
78	30	40	635332	3500.01	CP-OFDM QPSK	1@1	21.05	21.19	24.13
78	30	40	635332	3500.01	CP-OFDM QPSK	1@104	20.96	21	23.99
78	30	40	635332	3500.01	CP-OFDM 16 QAM	53@26	20.75	20.98	23.88
78	30	40	635332	3529.98	CP-OFDM 16 QAM	1@1	20.36	20.63	23.51
78	30	40	635332	3529.98	CP-OFDM 16 QAM	1@104	20.4	20.8	23.61
78	30	40	635332	3529.98	CP-OFDM 64 QAM	53@26	19.32	19.62	22.48
78	30	40	635332	3529.98	CP-OFDM 64 QAM	1@1	19.03	19.12	22.09
78	30	40	635332	3529.98	CP-OFDM 64 QAM	1@104	19.07	19.25	22.17
78	30	40	635332	3529.98	CP-OFDM 256 QAM	53@26	16.33	16.54	19.45
78	30	40	635332	3529.98	CP-OFDM 256 QAM	1@1	16.08	16.28	19.19
78	30	40	635332	3529.98	CP-OFDM 256 QAM	1@104	16.16	16.43	19.31
78	30	50	631668	3529.98	CP-OFDM QPSK	67@33	21.44	21.69	24.58
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	21.52	21.43	24.49
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	21.2	21.16	24.19
78	30	50	631668	3475.02	CP-OFDM 16 QAM	67@33	20.91	21.17	24.05
78	30	50	631668	3475.02	CP-OFDM 16 QAM	1@1	20.83	21.02	23.94
78	30	50	631668	3475.02	CP-OFDM 16 QAM	1@131	20.51	20.71	23.62
78	30	50	631668	3475.02	CP-OFDM 64 QAM	67@33	19.43	19.64	22.55
78	30	50	631668	3475.02	CP-OFDM 64 QAM	1@1	19.44	19.49	22.48
78	30	50	631668	3475.02	CP-OFDM 64 QAM	1@131	19.19	19.17	22.19
78	30	50	631668	3475.02	CP-OFDM 256 QAM	67@33	16.36	16.59	19.49
78	30	50	631668	3475.02	CP-OFDM 256 QAM	1@1	16.41	16.44	19.44
78	30	50	631668	3475.02	CP-OFDM 256 QAM	1@131	16.14	16.17	19.17
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	21.37	21.54	24.47
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	21.42	21.52	24.48
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	21.25	21.4	24.34

78	30	50	633334	3500.01	CP-OFDM 16 QAM	67@33	20.88	21.06	23.98
78	30	50	633334	3500.01	CP-OFDM 16 QAM	1@1	20.61	21.15	23.90
78	30	50	633334	3500.01	CP-OFDM 16 QAM	1@131	20.45	21.03	23.76
78	30	50	633334	3500.01	CP-OFDM 64 QAM	67@33	19.38	19.55	22.48
78	30	50	633334	3500.01	CP-OFDM 64 QAM	1@1	19.3	19.44	22.38
78	30	50	633334	3500.01	CP-OFDM 64 QAM	1@131	19.15	19.32	22.25
78	30	50	633334	3500.01	CP-OFDM 256 QAM	67@33	16.29	16.5	19.41
78	30	50	633334	3500.01	CP-OFDM 256 QAM	1@1	16.05	16.18	19.13
78	30	50	633334	3500.01	CP-OFDM 256 QAM	1@131	15.88	15.96	18.93
78	30	50	635000	3525	CP-OFDM QPSK	67@33	21.46	21.64	24.56
78	30	50	635000	3525	CP-OFDM QPSK	1@1	21.33	21.44	24.40
78	30	50	635000	3525	CP-OFDM QPSK	1@131	21.42	21.48	24.46
78	30	50	635000	3525	CP-OFDM 16 QAM	67@33	20.96	21.16	24.07
78	30	50	635000	3525	CP-OFDM 16 QAM	1@1	20.62	20.98	23.81
78	30	50	635000	3525	CP-OFDM 16 QAM	1@131	20.61	21.16	23.90
78	30	50	635000	3525	CP-OFDM 64 QAM	67@33	19.45	19.68	22.58
78	30	50	635000	3525	CP-OFDM 64 QAM	1@1	19.31	19.28	22.31
78	30	50	635000	3525	CP-OFDM 64 QAM	1@131	19.32	19.43	22.39
78	30	50	635000	3525	CP-OFDM 256 QAM	67@33	16.39	16.61	19.51
78	30	50	635000	3525	CP-OFDM 256 QAM	1@1	16.4	16.4	19.41
78	30	50	635000	3525	CP-OFDM 256 QAM	1@131	16.34	16.55	19.46
78	30	60	632000	3480	CP-OFDM QPSK	81@40	21.44	21.64	24.55
78	30	60	632000	3480	CP-OFDM QPSK	1@1	21.33	21.26	24.31
78	30	60	632000	3480	CP-OFDM QPSK	1@160	21.09	21.01	24.06
78	30	60	632000	3480	CP-OFDM 16 QAM	81@40	20.89	21.09	24.00
78	30	60	632000	3480	CP-OFDM 16 QAM	1@1	20.59	20.8	23.71
78	30	60	632000	3480	CP-OFDM 16 QAM	1@160	20.41	20.58	23.51
78	30	60	632000	3480	CP-OFDM 64 QAM	81@40	19.44	19.58	22.52
78	30	60	632000	3480	CP-OFDM 64 QAM	1@1	19.27	19.33	22.31
78	30	60	632000	3480	CP-OFDM 64 QAM	1@160	19.03	19.03	22.04
78	30	60	632000	3480	CP-OFDM 256 QAM	81@40	16.37	16.53	19.46
78	30	60	632000	3480	CP-OFDM 256 QAM	1@1	16.21	16.32	19.28
78	30	60	632000	3480	CP-OFDM 256 QAM	1@160	15.95	16.03	19.00

78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	21.39	21.55	24.48
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	21.24	21.37	24.32
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	21.18	21.21	24.21
78	30	60	633334	3500.01	CP-OFDM 16 QAM	81@40	20.89	21.05	23.98
78	30	60	633334	3500.01	CP-OFDM 16 QAM	1@1	20.59	20.93	23.77
78	30	60	633334	3500.01	CP-OFDM 16 QAM	1@160	20.54	20.81	23.69
78	30	60	633334	3500.01	CP-OFDM 64 QAM	81@40	19.4	19.53	22.48
78	30	60	633334	3500.01	CP-OFDM 64 QAM	1@1	19.17	19.39	22.29
78	30	60	633334	3500.01	CP-OFDM 64 QAM	1@160	19.11	19.26	22.20
78	30	60	633334	3500.01	CP-OFDM 256 QAM	81@40	16.32	16.52	19.43
78	30	60	633334	3500.01	CP-OFDM 256 QAM	1@1	16.17	16.44	19.32
78	30	60	633334	3500.01	CP-OFDM 256 QAM	1@160	16.05	16.19	19.13
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	21.56	21.65	24.62
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	21.33	21.2	24.28
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	21.32	21.31	24.33
78	30	60	634666	3519.99	CP-OFDM 16 QAM	81@40	21.04	21.14	24.10
78	30	60	634666	3519.99	CP-OFDM 16 QAM	1@1	20.65	20.79	23.73
78	30	60	634666	3519.99	CP-OFDM 16 QAM	1@160	20.65	20.92	23.80
78	30	60	634666	3519.99	CP-OFDM 64 QAM	81@40	19.55	19.63	22.60
78	30	60	634666	3519.99	CP-OFDM 64 QAM	1@1	19.28	19.28	22.29
78	30	60	634666	3519.99	CP-OFDM 64 QAM	1@160	19.27	19.35	22.32
78	30	60	634666	3519.99	CP-OFDM 256 QAM	81@40	16.51	16.61	19.57
78	30	60	634666	3519.99	CP-OFDM 256 QAM	1@1	16.11	15.88	19.01
78	30	60	634666	3519.99	CP-OFDM 256 QAM	1@160	16.11	15.97	19.05
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	21.4	21.63	24.53
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	21.21	21.34	24.29
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	21	21.06	24.04
78	30	80	632668	3490.02	CP-OFDM 16 QAM	109@54	20.89	21.11	24.01
78	30	80	632668	3490.02	CP-OFDM 16 QAM	1@1	20.47	20.83	23.66
78	30	80	632668	3490.02	CP-OFDM 16 QAM	1@215	20.23	20.63	23.44
78	30	80	632668	3490.02	CP-OFDM 64 QAM	109@54	19.35	19.57	22.47
78	30	80	632668	3490.02	CP-OFDM 64 QAM	1@1	19.13	19.23	22.19
78	30	80	632668	3490.02	CP-OFDM 64 QAM	1@215	18.88	19.06	21.98

78	30	80	632668	3490.02	CP-OFDM 256 QAM	109@54	16.33	16.5	19.43
78	30	80	632668	3490.02	CP-OFDM 256 QAM	1@1	16.15	16.25	19.21
78	30	80	632668	3490.02	CP-OFDM 256 QAM	1@215	15.93	16.05	19.00
78	30	80	633334	3490.02	CP-OFDM QPSK	109@54	21.41	21.58	24.51
78	30	80	633334	3490.02	CP-OFDM QPSK	1@1	21.22	21.22	24.23
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	21.04	21.07	24.07
78	30	80	633334	3500.01	CP-OFDM 16 QAM	109@54	20.93	21.11	24.03
78	30	80	633334	3500.01	CP-OFDM 16 QAM	1@1	20.44	20.83	23.65
78	30	80	633334	3500.01	CP-OFDM 16 QAM	1@215	20.27	20.7	23.50
78	30	80	633334	3500.01	CP-OFDM 64 QAM	109@54	19.39	19.55	22.48
78	30	80	633334	3500.01	CP-OFDM 64 QAM	1@1	19.16	19.35	22.27
78	30	80	633334	3500.01	CP-OFDM 64 QAM	1@215	18.95	19.11	22.04
78	30	80	633334	3500.01	CP-OFDM 256 QAM	109@54	16.35	16.52	19.45
78	30	80	633334	3500.01	CP-OFDM 256 QAM	1@1	16.12	16.3	19.22
78	30	80	633334	3500.01	CP-OFDM 256 QAM	1@215	15.93	16.07	19.01
78	30	80	634000	3510	CP-OFDM QPSK	109@54	21.4	21.58	24.50
78	30	80	634000	3510	CP-OFDM QPSK	1@1	21.19	21.27	24.24
78	30	80	634000	3510	CP-OFDM QPSK	1@215	21.02	21.11	24.08
78	30	80	634000	3510	CP-OFDM 16 QAM	109@54	20.88	21.09	24.00
78	30	80	634000	3510	CP-OFDM 16 QAM	1@1	20.44	20.86	23.67
78	30	80	634000	3510	CP-OFDM 16 QAM	1@215	20.24	20.72	23.50
78	30	80	634000	3510	CP-OFDM 64 QAM	109@54	19.29	19.52	22.42
78	30	80	634000	3510	CP-OFDM 64 QAM	1@1	19.11	19.2	22.17
78	30	80	634000	3510	CP-OFDM 64 QAM	1@215	18.94	19.07	22.02
78	30	80	634000	3510	CP-OFDM 256 QAM	109@54	16.31	16.49	19.41
78	30	80	634000	3510	CP-OFDM 256 QAM	1@1	16.01	16.3	19.17
78	30	80	634000	3510	CP-OFDM 256 QAM	1@215	15.86	16.2	19.04
78	30	90	633000	3495	CP-OFDM QPSK	123@61	21.48	21.56	24.53
78	30	90	633000	3495	CP-OFDM QPSK	1@1	21.21	21.12	24.18
78	30	90	633000	3495	CP-OFDM QPSK	1@243	21.02	20.95	24.00
78	30	90	633000	3495	CP-OFDM 16 QAM	123@61	20.97	21.09	24.04
78	30	90	633000	3495	CP-OFDM 16 QAM	1@1	20.57	20.71	23.65
78	30	90	633000	3495	CP-OFDM 16 QAM	1@243	20.32	20.55	23.45

78	30	90	633000	3495	CP-OFDM 64 QAM	123@61	19.48	19.51	22.51
78	30	90	633000	3495	CP-OFDM 64 QAM	1@1	19.15	19.08	22.13
78	30	90	633000	3495	CP-OFDM 64 QAM	1@243	18.88	18.93	21.92
78	30	90	633000	3495	CP-OFDM 256 QAM	123@61	16.38	16.52	19.46
78	30	90	633000	3495	CP-OFDM 256 QAM	1@1	16.08	16.07	19.09
78	30	90	633000	3495	CP-OFDM 256 QAM	1@243	15.82	15.94	18.89
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	21.46	21.59	24.54
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	21.2	21.17	24.20
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	20.97	21.03	24.01
78	30	90	633334	3500.01	CP-OFDM 16 QAM	123@61	20.96	21.12	24.05
78	30	90	633334	3500.01	CP-OFDM 16 QAM	1@1	20.52	20.75	23.65
78	30	90	633334	3500.01	CP-OFDM 16 QAM	1@243	20.27	20.66	23.48
78	30	90	633334	3500.01	CP-OFDM 64 QAM	123@61	19.47	19.58	22.54
78	30	90	633334	3500.01	CP-OFDM 64 QAM	1@1	18.55	19.13	21.86
78	30	90	633334	3500.01	CP-OFDM 64 QAM	1@243	18.91	19.01	21.97
78	30	90	633334	3500.01	CP-OFDM 256 QAM	123@61	16.37	16.51	19.45
78	30	90	633334	3500.01	CP-OFDM 256 QAM	1@1	15.84	15.72	18.79
78	30	90	633334	3500.01	CP-OFDM 256 QAM	1@243	15.57	15.65	18.62
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	21.4	21.62	24.52
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	21.15	21.21	24.19
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	20.94	21.04	24.00
78	30	90	633666	3504.99	CP-OFDM 16 QAM	123@61	20.9	21.15	24.04
78	30	90	633666	3504.99	CP-OFDM 16 QAM	1@1	20.46	20.82	23.65
78	30	90	633666	3504.99	CP-OFDM 16 QAM	1@243	20.2	20.66	23.45
78	30	90	633666	3504.99	CP-OFDM 64 QAM	123@61	19.37	19.56	22.48
78	30	90	633666	3504.99	CP-OFDM 64 QAM	1@1	19.06	19.21	22.15
78	30	90	633666	3504.99	CP-OFDM 64 QAM	1@243	18.81	19.06	21.95
78	30	90	633666	3504.99	CP-OFDM 256 QAM	123@61	16.31	16.52	19.43
78	30	90	633666	3504.99	CP-OFDM 256 QAM	1@1	16.01	16.24	19.14
78	30	90	633666	3504.99	CP-OFDM 256 QAM	1@243	15.76	16.06	18.92
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.47	21.61	24.55
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	20.72	20.86	23.80
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	20.65	20.67	23.67

78	30	100	633334	3500.01	CP-OFDM 16 QAM	137@68	20.83	20.96	23.91
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	20.58	20.57	23.59
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@271	20.23	20.44	23.35
78	30	100	633334	3500.01	CP-OFDM 64 QAM	137@68	19.3	19.45	22.39
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	18.86	19	21.94
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@271	18.58	18.85	21.73
78	30	100	633334	3500.01	CP-OFDM 256 QAM	137@68	16.3	16.37	19.35
78	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	15.89	15.73	18.82
78	30	100	633334	3500.01	CP-OFDM 256 QAM	1@271	15.51	15.63	18.58

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23℃
		Relative Humidity :	41~42%

For Sample 1:

SA n77 / NR 100MHz / QPSK / ANT5(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-62.84	-13	-49.84	-73.32	2.76	13.24	H
	10368	-60.89	-13	-47.89	-70.48	3.42	13.01	H
	13824	-58.72	-13	-45.72	-68.33	3.83	13.44	H
	6912	-62.85	-13	-49.85	-73.29	2.80	13.24	V
	10368	-61.30	-13	-48.30	-70.85	3.46	13.01	V
	13824	-59.06	-13	-46.06	-68.62	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_2A_n77 / LTE 20MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT5(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-63.34	-13	-50.34	-73.82	2.76	13.24	H
	10368	-60.68	-13	-47.68	-70.27	3.42	13.01	H
	13824	-59.22	-13	-46.22	-68.83	3.83	13.44	H
	6912	-62.75	-13	-49.75	-73.19	2.80	13.24	V
	10368	-61.13	-13	-48.13	-70.68	3.46	13.01	V
	13824	-59.56	-13	-46.56	-69.12	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_5A_n77 / LTE 10MHz + NR 40MHz / QPSK / ANT0(LTE) & ANT5(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-63.15	-13	-50.15	-73.63	2.76	13.24	H
	10368	-60.58	-13	-47.58	-70.17	3.42	13.01	H
	13824	-59.15	-13	-46.15	-68.76	3.83	13.44	H
	6912	-63.23	-13	-50.23	-73.67	2.80	13.24	V
	10368	-61.01	-13	-48.01	-70.56	3.46	13.01	V
	13824	-59.33	-13	-46.33	-68.89	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_41A_n77 / LTE 20MHz + NR 40MHz / QPSK / ANT0(LTE) & ANT5(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-63.20	-13	-50.20	-73.68	2.76	13.24	H
	10368	-60.82	-13	-47.82	-70.41	3.42	13.01	H
	13824	-59.03	-13	-46.03	-68.64	3.83	13.44	H
	6912	-62.60	-13	-49.60	-73.04	2.80	13.24	V
	10368	-60.82	-13	-47.82	-70.37	3.46	13.01	V
	13824	-58.85	-13	-45.85	-68.41	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_66A_n77 / LTE 20MHz + NR 40MHz / QPSK / ANT0(LTE) & ANT5(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-63.20	-13	-50.20	-73.68	2.76	13.24	H
	10368	-61.23	-13	-48.23	-70.82	3.42	13.01	H
	13824	-59.26	-13	-46.26	-68.87	3.83	13.44	H
	6912	-63.17	-13	-50.17	-73.61	2.80	13.24	V
	10368	-61.23	-13	-48.23	-70.78	3.46	13.01	V
	13824	-59.51	-13	-46.51	-69.07	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_71A_n77 / LTE 20MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT5(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-63.08	-13	-50.08	-73.56	2.76	13.24	H
	10368	-60.95	-13	-47.95	-70.54	3.42	13.01	H
	13824	-59.36	-13	-46.36	-68.97	3.83	13.44	H
	6912	-63.08	-13	-50.08	-73.52	2.80	13.24	V
	10368	-61.38	-13	-48.38	-70.93	3.46	13.01	V
	13824	-59.10	-13	-46.10	-68.66	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

n77 UL MIMO / NR 100MHz / QPSK / ANT5+6(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-63.01	-13	-50.01	-73.49	2.76	13.24	H
	10368	-61.05	-13	-48.05	-70.64	3.42	13.01	H
	13824	-59.20	-13	-46.20	-68.81	3.83	13.44	H
	6912	-62.96	-13	-49.96	-73.40	2.80	13.24	V
	10368	-61.13	-13	-48.13	-70.68	3.46	13.01	V
	13824	-59.39	-13	-46.39	-68.95	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

For Sample 2:

Note: The sample 2 to verify the worse cases of the sample 1.

SA n77 / NR 100MHz / QPSK / ANT5(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-63.70	-13	-50.70	-74.18	2.76	13.24	H
	10368	-61.65	-13	-48.65	-71.24	3.42	13.01	H
	13824	-60.06	-13	-47.06	-69.67	3.83	13.44	H
	6900	-62.08	-13	-49.08	-72.52	2.80	13.24	V
	10368	-61.79	-13	-48.79	-71.34	3.46	13.01	V
	13824	-59.99	-13	-46.99	-69.55	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.