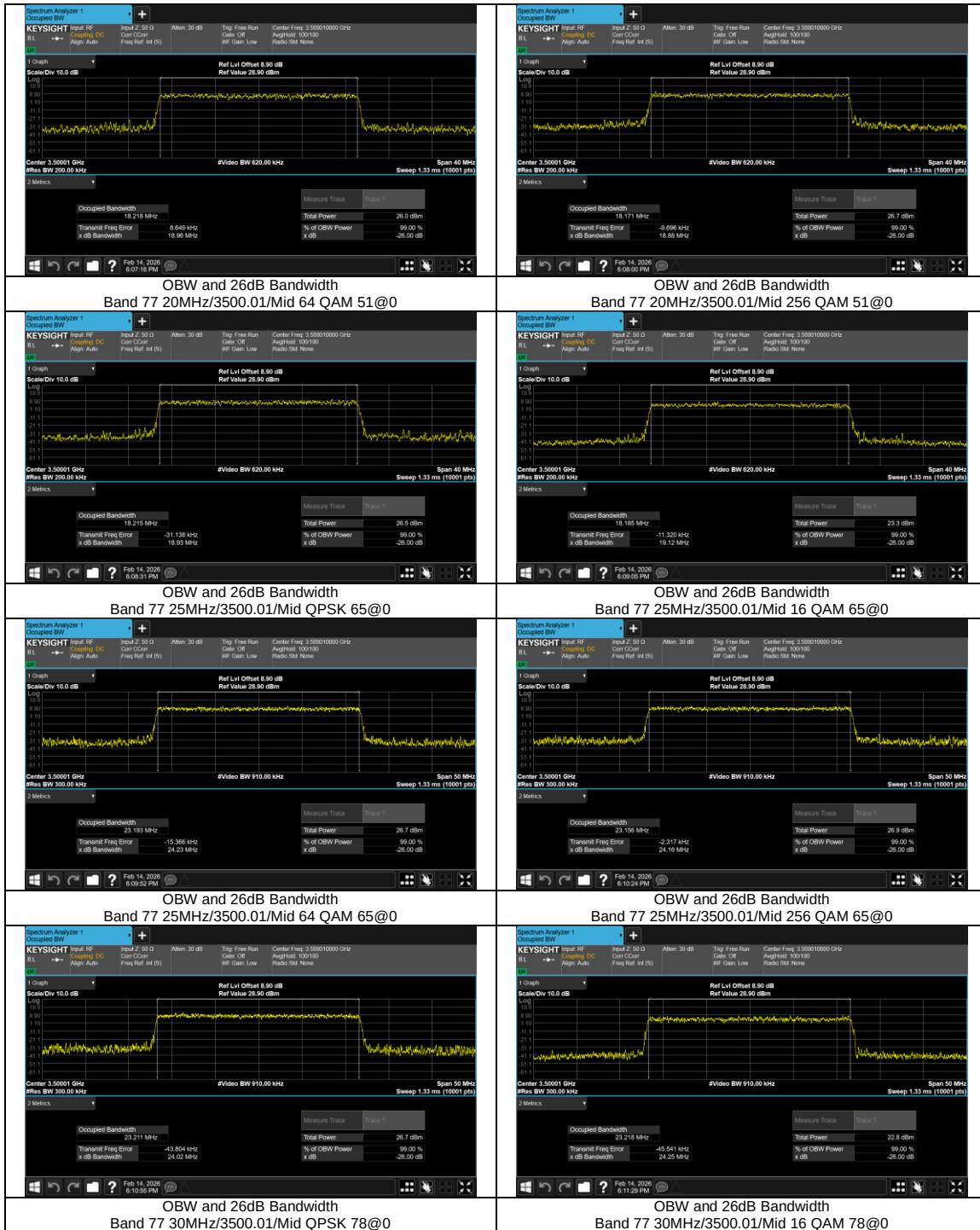
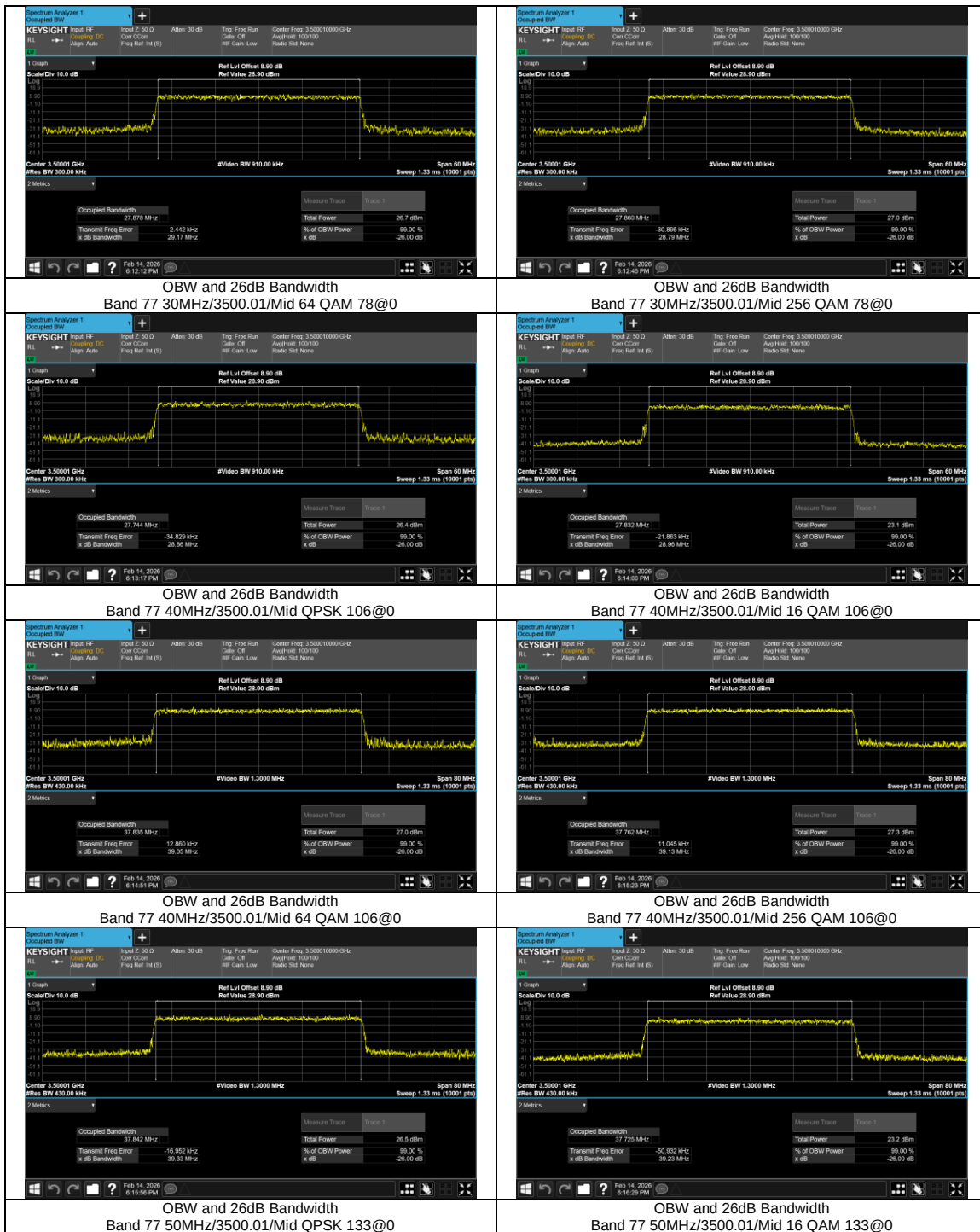
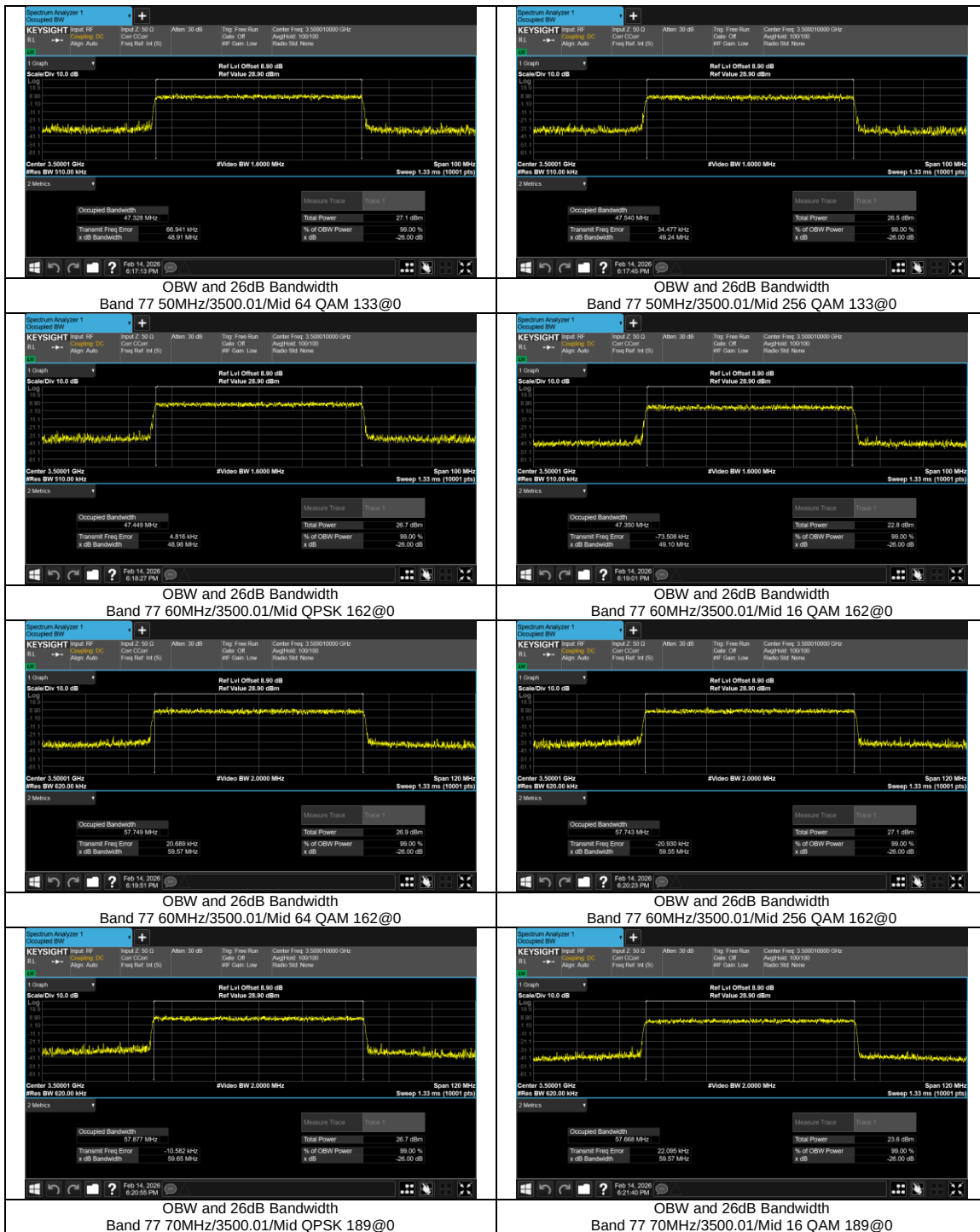
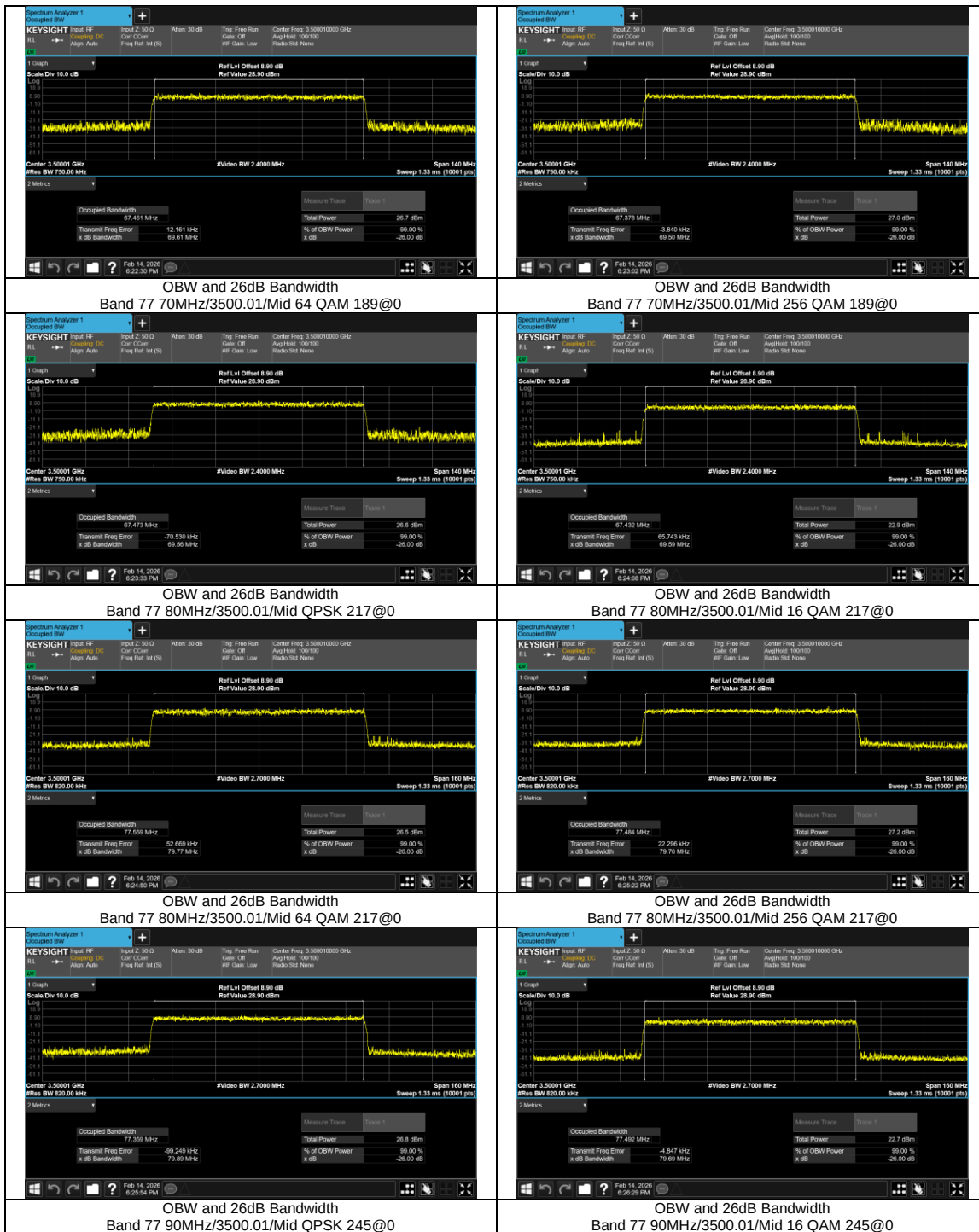
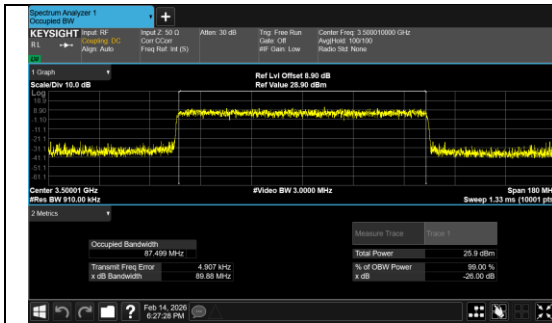








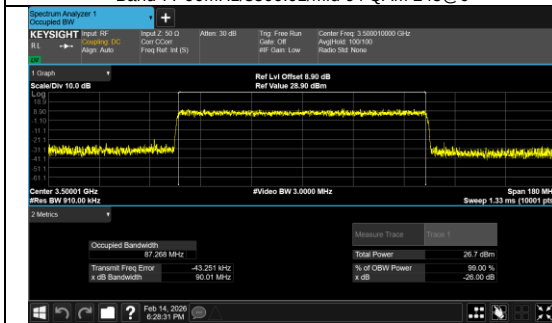




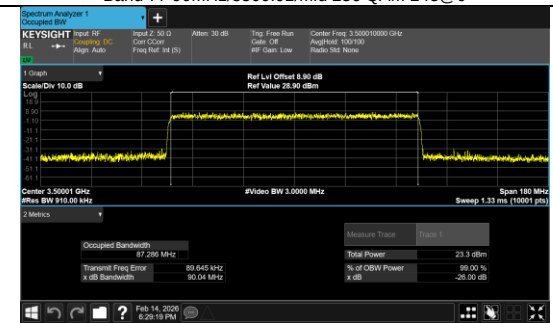
OBW and 26dB Bandwidth
Band 77 90MHz/3500.01/Mid 64 QAM 245@0



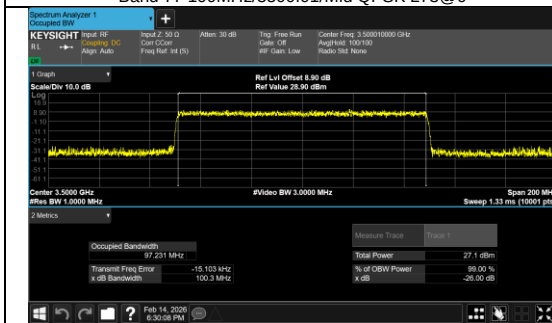
OBW and 26dB Bandwidth
Band 77 90MHz/3500.01/Mid 256 QAM 245@0



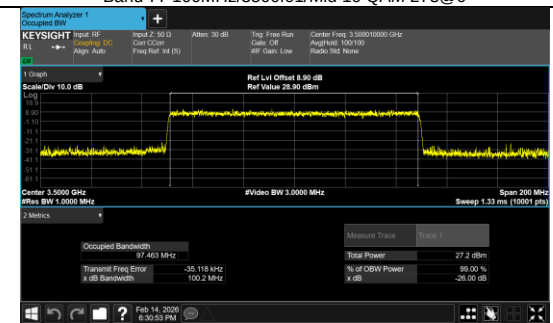
OBW and 26dB Bandwidth
Band 77 100MHz/3500.01/Mid QPSK 273@0



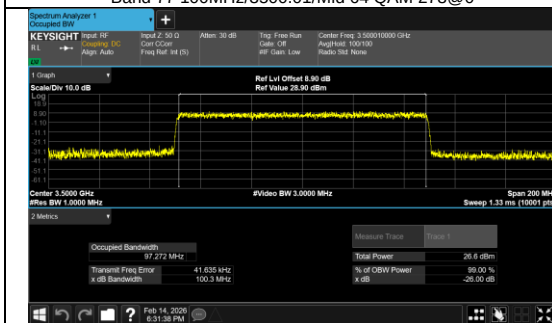
OBW and 26dB Bandwidth
Band 77 100MHz/3500.01/Mid 16 QAM 273@0



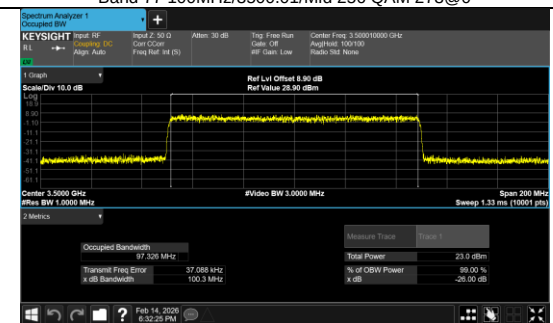
OBW and 26dB Bandwidth
Band 77 100MHz/3500.01/Mid 64 QAM 273@0



OBW and 26dB Bandwidth
Band 77 100MHz/3500.01/Mid 256 QAM 273@0



OBW and 26dB Bandwidth
Band 77 100MHz/3500.01/Mid 64 QAM 273@0



OBW and 26dB Bandwidth
Band 77 100MHz/3500.01/Mid 256 QAM 273@0



Conducted Spurious Emissions

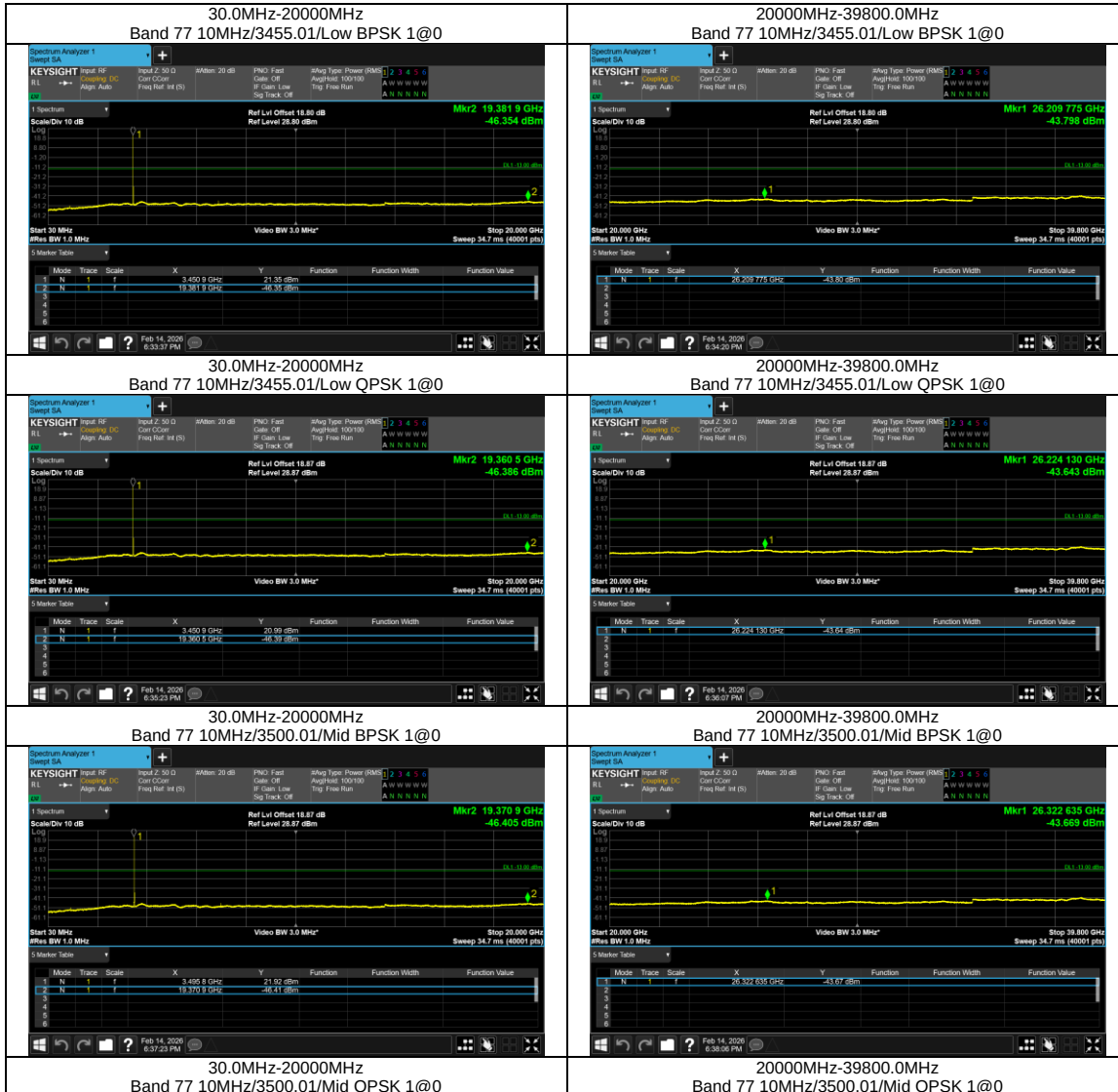
Test Result

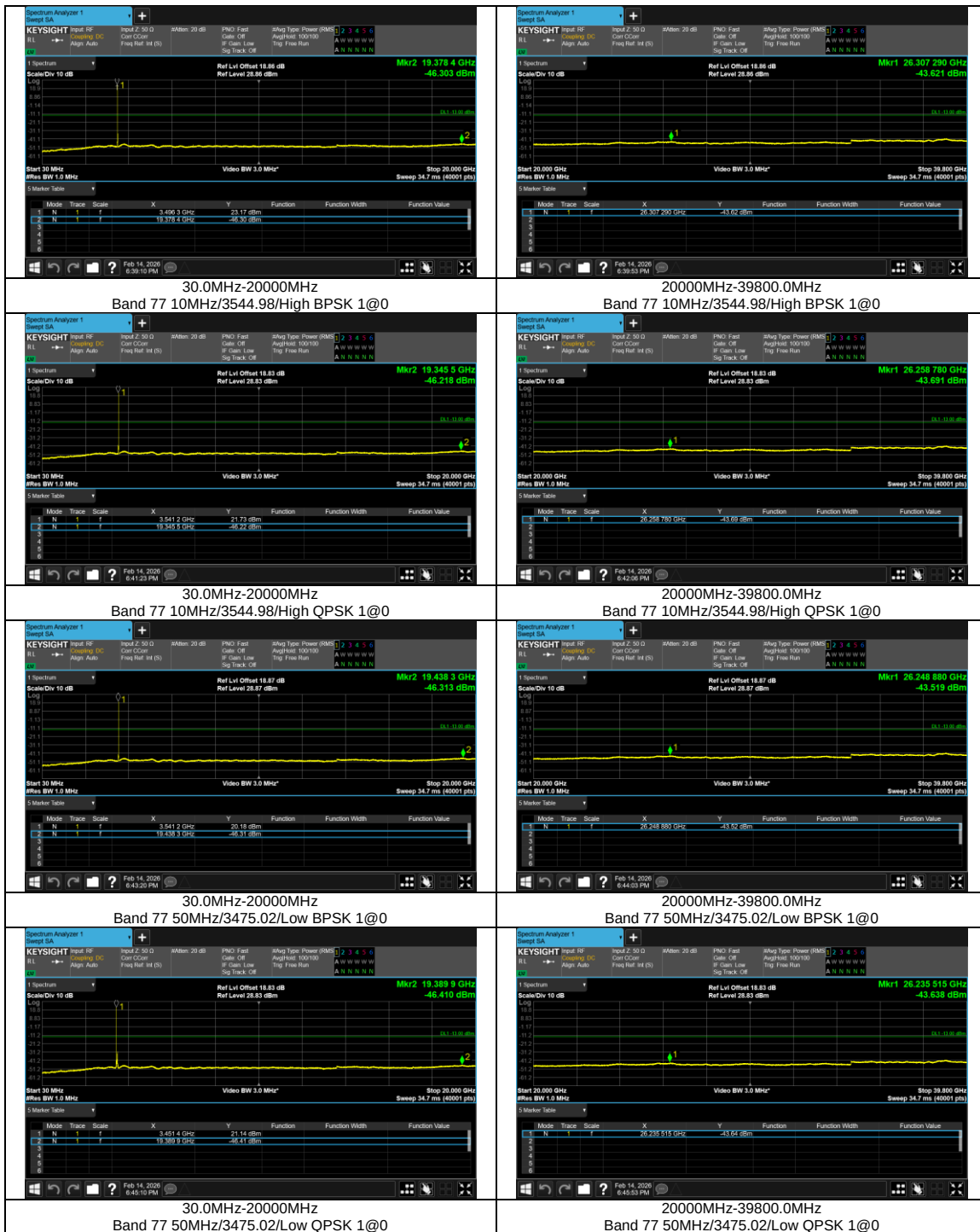
NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	100	633333	3499.995	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	100	633333	3499.995	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	100	633333	3499.995	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	100	633333	3499.995	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	100	633333	3499.995	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	100	633333	3499.995	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	100	633333	3499.995	DFT-s-OFDM QPSK	1@0	See graph	---

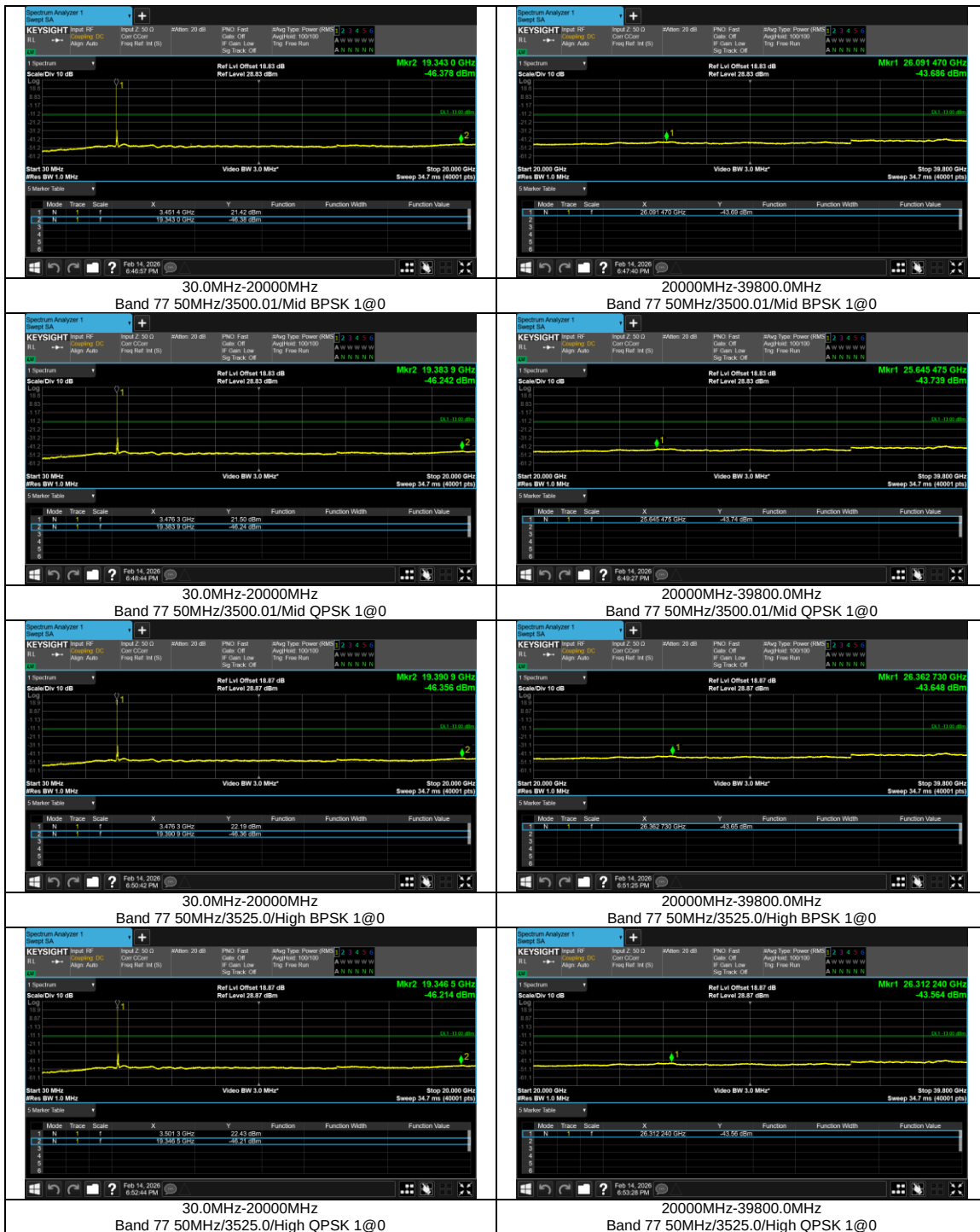


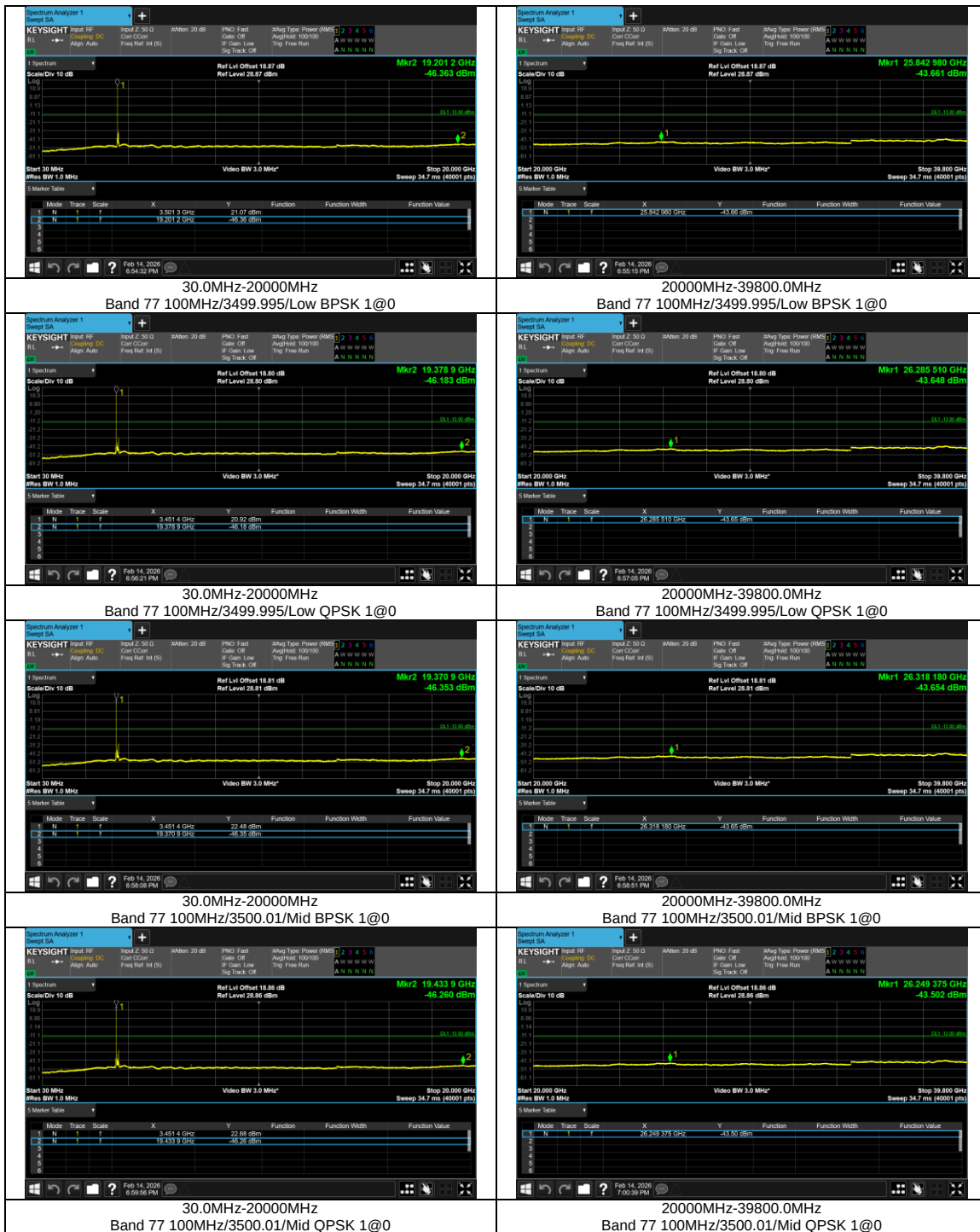
					QPSK			
77	30	100	633333	3499.995	DFT-s-OFDM QPSK	1@0	See graph	PASS

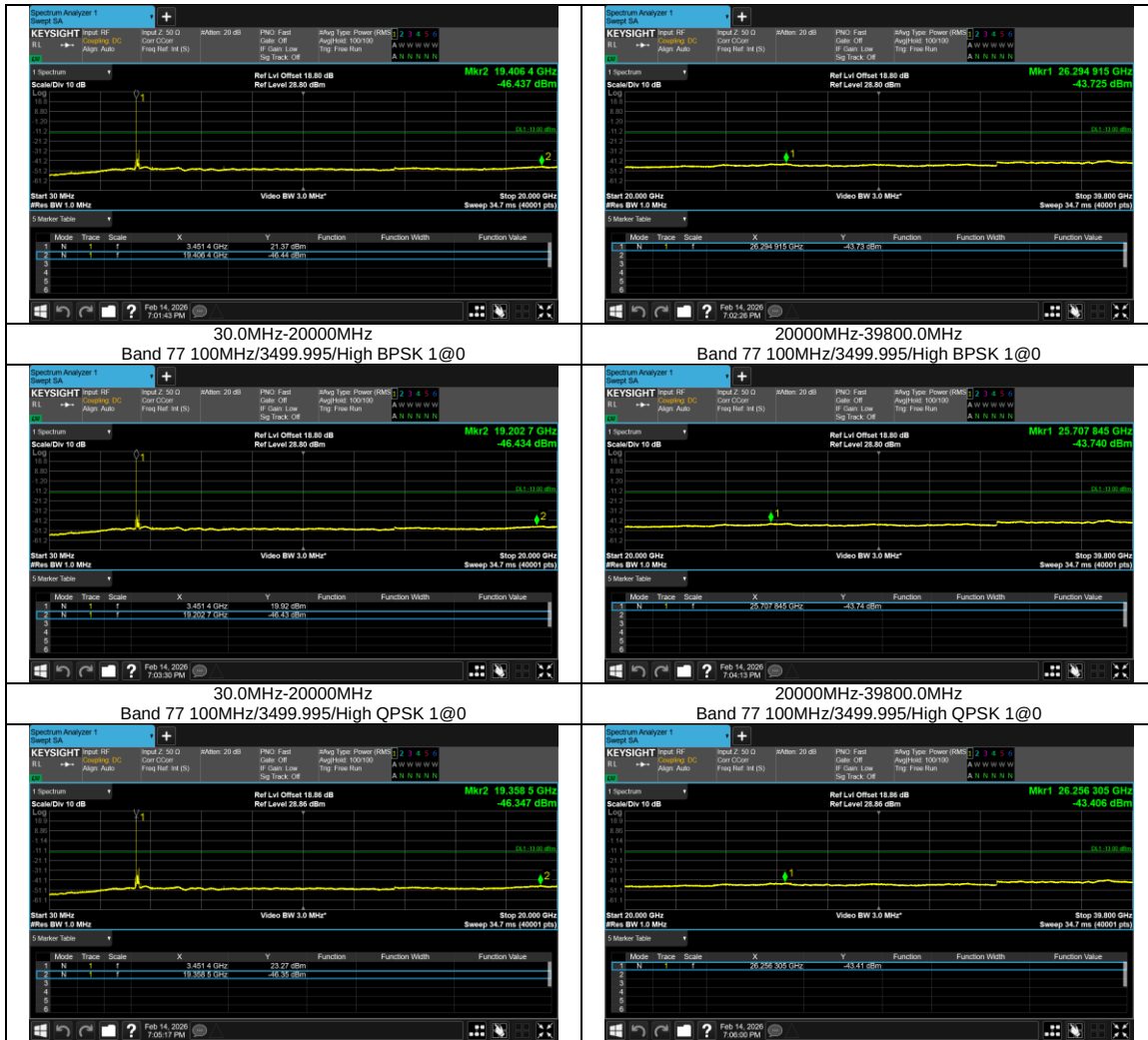
Test Graphs













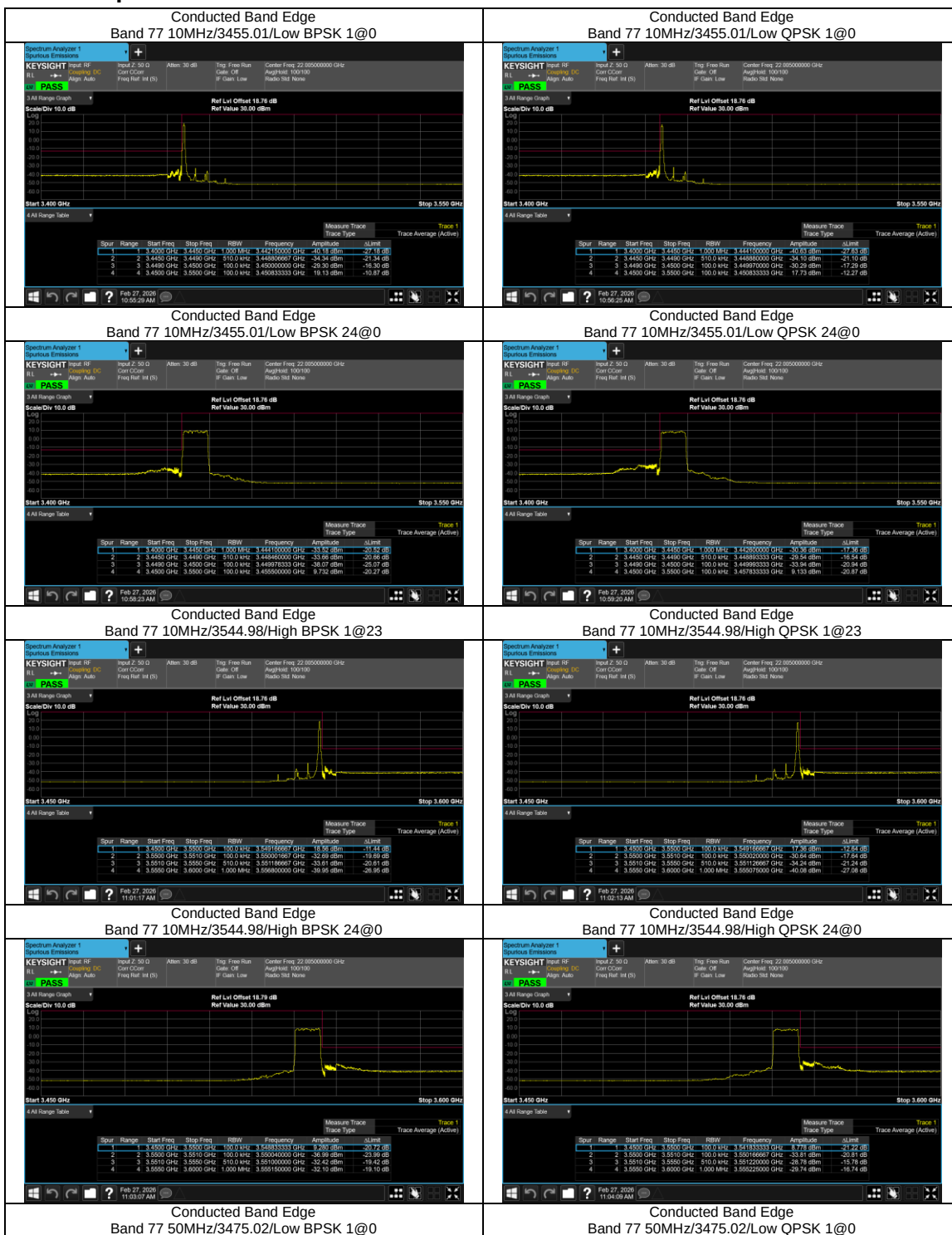
Conducted Band Edge

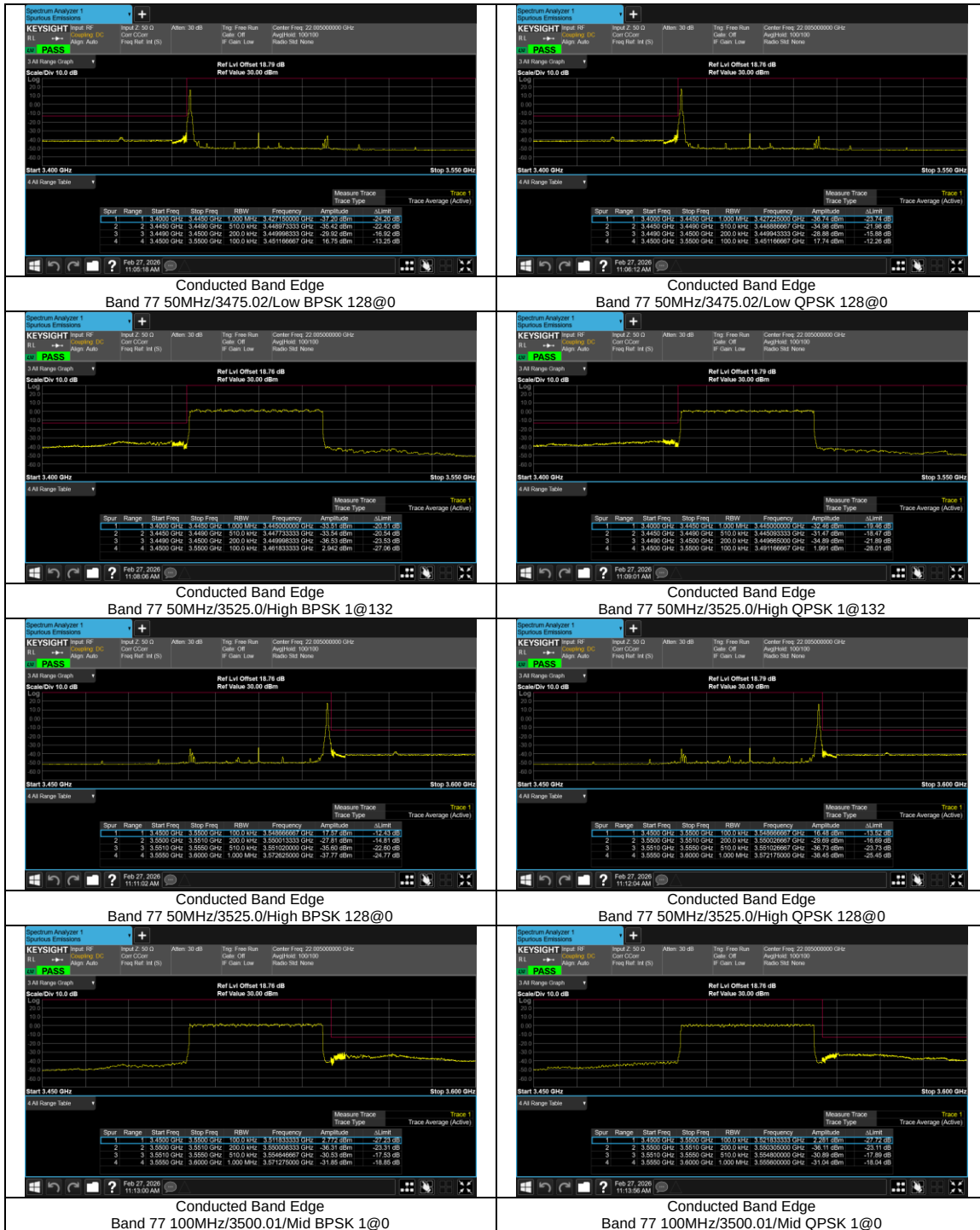
Test Result

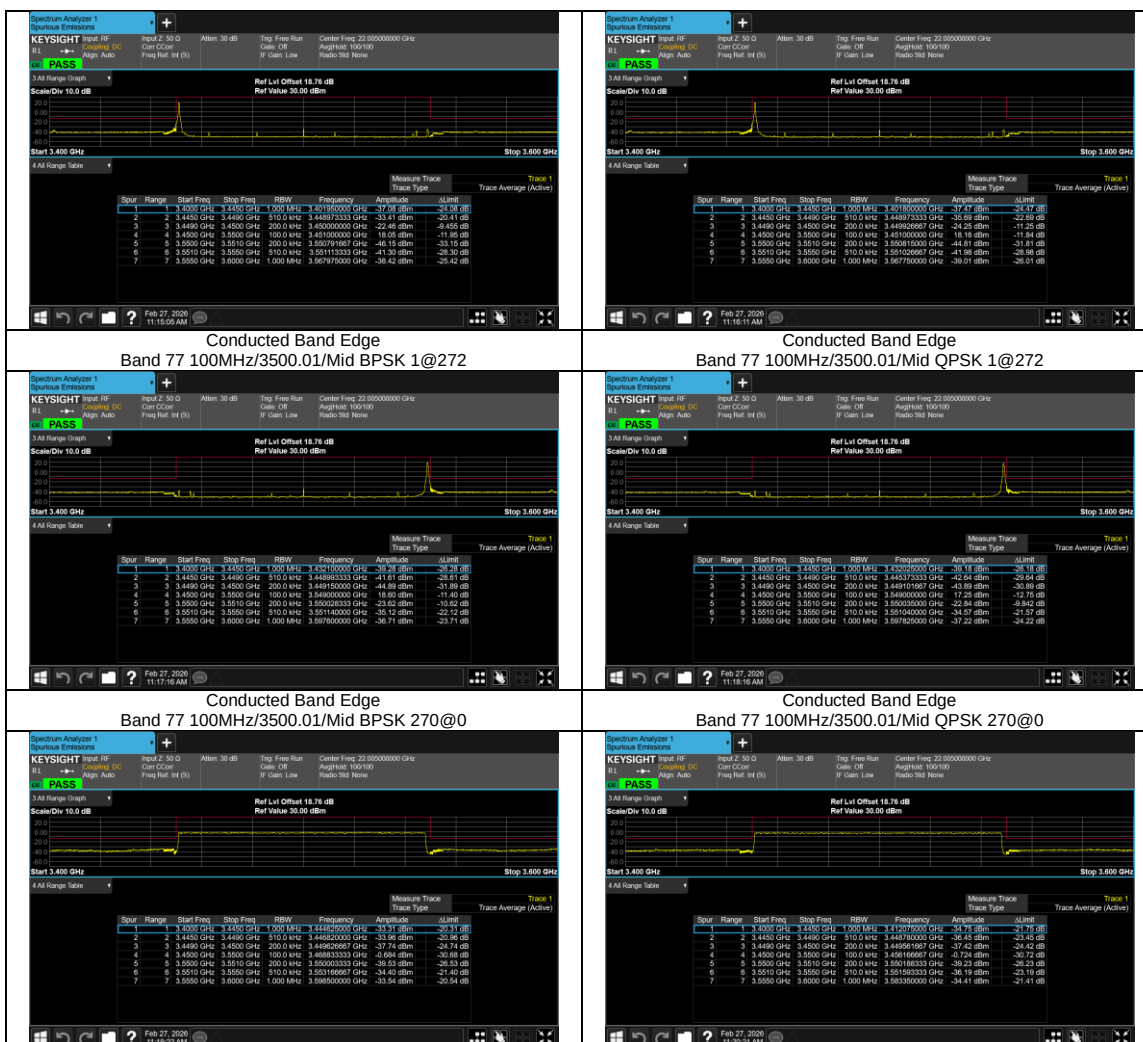
NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	See graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	128@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@132	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@132	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	128@0	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	128@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	See graph	PASS



Test Graphs









RF N78_ANT5_(PA Reference Designator)

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-3dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.07	22.07	0.1611
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	21.51	18.51	0.0710
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@22	25.06	22.06	0.1607
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	2@0	21.67	18.67	0.0736
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	12@6	25.02	22.02	0.1592
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	2@22	21.59	18.59	0.0723
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	24.08	21.08	0.1282
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.13	21.13	0.1297
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	24@0	23.25	20.25	0.1059
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.32	22.32	0.1706
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	22.04	19.04	0.0802
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@22	25.27	22.27	0.1687
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	2@0	22	19	0.0794
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	12@6	25.41	22.41	0.1742
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	2@22	21.92	18.92	0.0780
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	24@0	24.35	21.35	0.1365
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.31	21.31	0.1352
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	24@0	23.47	20.47	0.1114
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.7	22.7	0.1862
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	21.97	18.97	0.0789
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@22	25.7	22.7	0.1862
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	2@0	22.2	19.2	0.0832
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	12@6	25.59	22.59	0.1816
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	2@22	22.2	19.2	0.0832
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	24.62	21.62	0.1452
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.59	21.59	0.1442
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	24@0	23.67	20.67	0.1167
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.07	22.07	0.1611
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@0	21.61	18.61	0.0726
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@36	25.22	22.22	0.1667
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	2@0	21.67	18.67	0.0736
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	18@9	25.16	22.16	0.1644
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	2@36	21.74	18.74	0.0748
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	36@0	24.19	21.19	0.1315
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.2	21.2	0.1318
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@0	23.22	20.22	0.1052
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.41	22.41	0.1742
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@0	22.05	19.05	0.0804



78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@36	25.29	22.29	0.1694
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	2@0	21.94	18.94	0.0783
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	18@9	25.48	22.48	0.1770
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	2@36	21.95	18.95	0.0785
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	36@0	24.49	21.49	0.1409
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.5	21.5	0.1413
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	36@0	23.44	20.44	0.1107
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.46	22.46	0.1762
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@0	22.16	19.16	0.0824
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@36	25.68	22.68	0.1854
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	2@0	22.32	19.32	0.0855
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	18@9	25.78	22.78	0.1897
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	2@36	22.11	19.11	0.0815
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	36@0	24.63	21.63	0.1455
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.68	21.68	0.1472
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@0	23.69	20.69	0.1172
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.25	22.25	0.1679
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	21.79	18.79	0.0757
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	25.32	22.32	0.1706
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	2@0	21.69	18.69	0.0740
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	25.22	22.22	0.1667
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	2@49	21.68	18.68	0.0738
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	24.21	21.21	0.1321
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.19	21.19	0.1315
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	50@0	23.17	20.17	0.1040
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.38	22.38	0.1730
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.83	18.83	0.0764
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.33	22.33	0.1710
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.06	19.06	0.0805
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	25.47	22.47	0.1766
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	2@49	21.98	18.98	0.0791
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	24.45	21.45	0.1396
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.45	21.45	0.1396
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@0	23.43	20.43	0.1104
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.64	22.64	0.1837
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@0	22.23	19.23	0.0838
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	25.59	22.59	0.1816
78	30	20	636000	3540	DFT-s-OFDM QPSK	2@0	22.15	19.15	0.0822
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	25.7	22.7	0.1862
78	30	20	636000	3540	DFT-s-OFDM QPSK	2@49	22.15	19.15	0.0822
78	30	20	636000	3540	DFT-s-OFDM QPSK	50@0	24.66	21.66	0.1466
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.84	21.84	0.1528



78	30	20	636000	3540	DFT-s-OFDM 16 QAM	50@0	23.58	20.58	0.1143
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.1	22.1	0.1622
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	21.75	18.75	0.0750
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@63	25.23	22.23	0.1671
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	2@0	21.79	18.79	0.0757
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	32@16	25.28	22.28	0.1690
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	2@63	21.9	18.9	0.0776
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	64@0	24.29	21.29	0.1346
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	24.2	21.2	0.1318
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	64@0	23.27	20.27	0.1064
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.44	22.44	0.1754
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.93	18.93	0.0782
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@63	25.36	22.36	0.1722
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.09	19.09	0.0811
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	32@16	25.51	22.51	0.1782
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	2@63	21.94	18.94	0.0783
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	64@0	24.45	21.45	0.1396
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.63	21.63	0.1455
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	64@0	23.44	20.44	0.1107
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	25.59	22.59	0.1816
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@0	21.97	18.97	0.0789
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@63	25.59	22.59	0.1816
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	2@0	22.05	19.05	0.0804
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	32@16	25.66	22.66	0.1845
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	2@63	22.27	19.27	0.0845
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	64@0	24.69	21.69	0.1476
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	24.41	21.41	0.1384
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	64@0	23.63	20.63	0.1156
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.19	22.19	0.1656
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@0	21.81	18.81	0.0760
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	25.35	22.35	0.1718
78	30	30	631000	3465	DFT-s-OFDM QPSK	2@0	21.75	18.75	0.0750
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	25.18	22.18	0.1652
78	30	30	631000	3465	DFT-s-OFDM QPSK	2@76	22.02	19.02	0.0798
78	30	30	631000	3465	DFT-s-OFDM QPSK	75@0	24.3	21.3	0.1349
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.21	21.21	0.1321
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	75@0	23.21	20.21	0.1050
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.42	22.42	0.1746
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@0	22.16	19.16	0.0824
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	25.39	22.39	0.1734
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.1	19.1	0.0813
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	25.44	22.44	0.1754



78	30	30	633334	3500.01	DFT-s-OFDM QPSK	2@76	21.93	18.93	0.0782
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	24.38	21.38	0.1374
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.51	21.51	0.1416
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	75@0	23.43	20.43	0.1104
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.6	22.6	0.1820
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@0	22.13	19.13	0.0818
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	25.75	22.75	0.1884
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	2@0	22.21	19.21	0.0834
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	25.65	22.65	0.1841
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	2@76	22.32	19.32	0.0855
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	75@0	24.65	21.65	0.1462
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.73	21.73	0.1489
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	75@0	23.68	20.68	0.1169
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.3	22.3	0.1698
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@0	21.73	18.73	0.0746
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	25.32	22.32	0.1706
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	2@0	21.81	18.81	0.0760
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	25.27	22.27	0.1687
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	2@104	22	19	0.0794
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	100@0	24.3	21.3	0.1349
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.27	21.27	0.1340
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	100@0	23.34	20.34	0.1081
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.39	22.39	0.1734
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@0	22.05	19.05	0.0804
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.37	22.37	0.1726
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.04	19.04	0.0802
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	25.45	22.45	0.1758
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	2@104	21.9	18.9	0.0776
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	24.49	21.49	0.1409
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.48	21.48	0.1406
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	100@0	23.54	20.54	0.1132
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.5	22.5	0.1778
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@0	22.07	19.07	0.0807
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.66	22.66	0.1845
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	2@0	22.07	19.07	0.0807
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	25.63	22.63	0.1832
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	2@104	22.22	19.22	0.0836
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	100@0	24.6	21.6	0.1445
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.56	21.56	0.1432
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	100@0	23.66	20.66	0.1164
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.11	22.11	0.1626
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	21.68	18.68	0.0738



78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	25.29	22.29	0.1694
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	2@0	21.77	18.77	0.0753
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	25.45	22.45	0.1758
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	2@131	21.9	18.9	0.0776
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	24.33	21.33	0.1358
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.26	21.26	0.1337
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	128@0	23.55	20.55	0.1135
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.3	22.3	0.1698
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	22.05	19.05	0.0804
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	25.32	22.32	0.1706
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.05	19.05	0.0804
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	25.49	22.49	0.1774
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	2@131	22	19	0.0794
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	24.5	21.5	0.1413
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.44	21.44	0.1393
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	128@0	23.48	20.48	0.1117
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.42	22.42	0.1746
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@0	22.09	19.09	0.0811
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	25.49	22.49	0.1774
78	30	50	635000	3525	DFT-s-OFDM QPSK	2@0	22.11	19.11	0.0815
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	25.61	22.61	0.1824
78	30	50	635000	3525	DFT-s-OFDM QPSK	2@131	22.28	19.28	0.0847
78	30	50	635000	3525	DFT-s-OFDM QPSK	128@0	24.61	21.61	0.1449
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.53	21.53	0.1422
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	128@0	23.55	20.55	0.1135
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.1	22.1	0.1622
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@0	21.7	18.7	0.0741
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	25.22	22.22	0.1667
78	30	60	632000	3480	DFT-s-OFDM QPSK	2@0	21.78	18.78	0.0755
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	25.48	22.48	0.1770
78	30	60	632000	3480	DFT-s-OFDM QPSK	2@160	21.77	18.77	0.0753
78	30	60	632000	3480	DFT-s-OFDM QPSK	162@0	24.38	21.38	0.1374
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.39	21.39	0.1377
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	162@0	23.4	20.4	0.1096
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.27	22.27	0.1687
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.72	18.72	0.0745
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.71	22.71	0.1866
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	2@0	21.9	18.9	0.0776
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	25.48	22.48	0.1770
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	2@160	22.04	19.04	0.0802
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	24.45	21.45	0.1396
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.09	21.09	0.1285



78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	162@0	23.35	20.35	0.1084
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.43	22.43	0.1750
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	21.89	18.89	0.0774
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	25.39	22.39	0.1734
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	2@0	22.08	19.08	0.0809
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	25.52	22.52	0.1786
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	2@160	22.19	19.19	0.0830
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	24.59	21.59	0.1442
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.53	21.53	0.1422
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	162@0	23.55	20.55	0.1135
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.02	22.02	0.1592
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@0	21.6	18.6	0.0724
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	25.12	22.12	0.1629
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	2@0	21.68	18.68	0.0738
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	25.4	22.4	0.1738
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	2@187	21.85	18.85	0.0767
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	180@0	24.34	21.34	0.1361
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.36	21.36	0.1368
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	180@0	23.35	20.35	0.1084
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.27	22.27	0.1687
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.65	18.65	0.0733
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	25.46	22.46	0.1762
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	2@0	21.86	18.86	0.0769
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	25.45	22.45	0.1758
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	2@187	21.98	18.98	0.0791
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	180@0	24.41	21.41	0.1384
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.3	21.3	0.1349
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	180@0	23.39	20.39	0.1094
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.52	22.52	0.1786
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@0	21.83	18.83	0.0764
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	25.35	22.35	0.1718
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	2@0	22.06	19.06	0.0805
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	25.43	22.43	0.1750
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	2@187	22.01	19.01	0.0796
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	180@0	24.44	21.44	0.1393
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.49	21.49	0.1409
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	180@0	23.45	20.45	0.1109
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.15	22.15	0.1641
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@0	21.71	18.71	0.0743
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	25.41	22.41	0.1742
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	2@0	21.71	18.71	0.0743
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	25.34	22.34	0.1714



78	30	80	632668	3490.02	DFT-s-OFDM QPSK	2@215	21.92	18.92	0.0780
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	216@0	24.34	21.34	0.1361
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.31	21.31	0.1352
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	216@0	23.25	20.25	0.1059
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.15	22.15	0.1641
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.67	18.67	0.0736
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	25.34	22.34	0.1714
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	2@0	21.69	18.69	0.0740
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	25.42	22.42	0.1746
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	2@215	21.96	18.96	0.0787
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	24.38	21.38	0.1374
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.08	21.08	0.1282
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	216@0	23.4	20.4	0.1096
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.27	22.27	0.1687
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@0	21.86	18.86	0.0769
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	25.43	22.43	0.1750
78	30	80	634000	3510	DFT-s-OFDM QPSK	2@0	22.03	19.03	0.0800
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	25.51	22.51	0.1782
78	30	80	634000	3510	DFT-s-OFDM QPSK	2@215	21.93	18.93	0.0782
78	30	80	634000	3510	DFT-s-OFDM QPSK	216@0	24.45	21.45	0.1396
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.46	21.46	0.1400
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	216@0	23.45	20.45	0.1109
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.1	22.1	0.1622
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@0	21.72	18.72	0.0745
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	25.29	22.29	0.1694
78	30	90	633000	3495	DFT-s-OFDM QPSK	2@0	21.66	18.66	0.0735
78	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	25.43	22.43	0.1750
78	30	90	633000	3495	DFT-s-OFDM QPSK	2@243	21.92	18.92	0.0780
78	30	90	633000	3495	DFT-s-OFDM QPSK	243@0	24.36	21.36	0.1368
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.29	21.29	0.1346
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	243@0	23.4	20.4	0.1096
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.17	22.17	0.1648
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.67	18.67	0.0736
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	25.32	22.32	0.1706
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	2@0	21.74	18.74	0.0748
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	25.43	22.43	0.1750
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	2@243	22.03	19.03	0.0800
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	243@0	24.46	21.46	0.1400
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.17	21.17	0.1309
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	243@0	23.36	20.36	0.1086
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.25	22.25	0.1679
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@0	21.79	18.79	0.0757



78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	25.36	22.36	0.1722
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	2@0	21.83	18.83	0.0764
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	25.45	22.45	0.1758
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	2@243	21.86	18.86	0.0769
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	243@0	24.42	21.42	0.1387
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.23	21.23	0.1327
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	243@0	23.53	20.53	0.1130
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.55	22.55	0.1799
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	21.93	18.93	0.0782
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.74	22.74	0.1879
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	2@0	22.09	19.09	0.0811
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.79	22.79	0.1901
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	2@271	22.26	19.26	0.0843
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	25.27	22.27	0.1687
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.62	22.62	0.1828
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	22.03	19.03	0.0800
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.71	22.71	0.1866
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.12	19.12	0.0817
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.74	22.74	0.1879
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	2@271	22.23	19.23	0.0838
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	24.77	21.77	0.1503
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.66	21.66	0.1466
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.17	20.17	0.1040
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.89	17.89	0.0615
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	270@0	23.74	20.74	0.1186
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	270@0	23.25	20.25	0.1059
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	270@0	21.35	18.35	0.0684
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.92	20.92	0.1236
78	30	100	633334	3500.01	CP-OFDM QPSK	1@0	21.85	18.85	0.0767
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.18	21.18	0.1312
78	30	100	633334	3500.01	CP-OFDM QPSK	2@0	21.95	18.95	0.0785
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.23	21.23	0.1327
78	30	100	633334	3500.01	CP-OFDM QPSK	2@271	22.17	19.17	0.0826
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	22.75	19.75	0.0944
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	23.31	20.31	0.1074
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	22.05	19.05	0.0804
78	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	19.23	16.23	0.0420
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	22.67	19.67	0.0927
78	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	22.8	19.8	0.0955
78	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	22.18	19.18	0.0828
78	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	19.31	16.31	0.0428

**FR1 N78_ MIMO-ANT7+5****Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-0.04dB**

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	ANT7 Power(dBm)	ANT5 Power(dBm)	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	22.58	22.72	25.66	25.62	0.3648
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	19.11	19.24	22.19	22.15	0.1639
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@22	22.55	22.79	25.68	25.64	0.3666
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	2@0	19.1	19.41	22.27	22.23	0.1670
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	12@6	22.51	22.76	25.65	25.61	0.3637
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	2@22	19.06	19.24	22.16	22.12	0.1630
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	21.58	21.86	24.73	24.69	0.2946
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	21.64	21.74	24.70	24.66	0.2925
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	24@0	20.58	20.91	23.76	23.72	0.2354
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.96	23.2	26.09	26.05	0.4029
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.49	19.74	22.63	22.59	0.1814
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@22	23.03	23.19	26.12	26.08	0.4056
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.5	19.69	22.61	22.57	0.1806
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	12@6	22.9	23.1	26.01	25.97	0.3955
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	2@22	19.34	19.67	22.52	22.48	0.1769
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	24@0	21.83	22.15	25.00	24.96	0.3136
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.91	22.09	25.01	24.97	0.3141
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	24@0	20.99	21.19	24.10	24.06	0.2548
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	22.69	23.32	26.03	25.99	0.3969
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	19.53	19.76	22.66	22.62	0.1827
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@22	22.75	23.3	26.04	26.00	0.3985
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	2@0	19.45	19.78	22.63	22.59	0.1815
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	12@6	22.88	23.37	26.14	26.10	0.4076
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	2@22	19.37	19.95	22.68	22.64	0.1837
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	21.74	22.32	25.05	25.01	0.3170
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	21.9	22.35	25.14	25.10	0.3237
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	24@0	20.74	21.39	24.09	24.05	0.2539
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	22.63	22.91	25.78	25.74	0.3752
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@0	19.04	19.39	22.23	22.19	0.1655
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@36	22.65	22.82	25.75	25.71	0.3721
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	2@0	19.18	19.43	22.32	22.28	0.1689
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	18@9	22.53	22.88	25.72	25.68	0.3697
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	2@36	19.27	19.35	22.32	22.28	0.1691
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	36@0	21.61	21.78	24.71	24.67	0.2928
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	21.52	21.88	24.71	24.67	0.2934
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@0	20.61	20.71	23.67	23.63	0.2307
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.01	23.04	26.04	26.00	0.3977
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.6	19.55	22.59	22.55	0.1797



78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@36	22.82	23.26	26.06	26.02	0.3996
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.61	19.68	22.66	22.62	0.1826
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	18@9	22.94	23.19	26.08	26.04	0.4015
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	2@36	19.28	19.68	22.49	22.45	0.1760
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	36@0	21.91	22.14	25.04	25.00	0.3160
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.08	22.1	25.10	25.06	0.3206
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	36@0	20.94	21.13	24.05	24.01	0.2516
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	22.91	23.42	26.18	26.14	0.4114
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@0	19.5	19.82	22.67	22.63	0.1834
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@36	22.75	23.4	26.10	26.06	0.4034
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	2@0	19.47	19.86	22.68	22.64	0.1836
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	18@9	22.86	23.34	26.12	26.08	0.4052
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	2@36	19.35	19.85	22.62	22.58	0.1810
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	36@0	21.88	22.34	25.13	25.09	0.3226
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	22	22.21	25.12	25.08	0.3219
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@0	20.84	21.29	24.08	24.04	0.2536
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	22.51	22.88	25.71	25.67	0.3689
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	19	19.47	22.25	22.21	0.1664
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	22.88	22.86	25.88	25.84	0.3837
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	2@0	19.18	19.4	22.30	22.26	0.1683
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	22.72	22.95	25.85	25.81	0.3808
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	2@49	19.44	19.33	22.40	22.36	0.1720
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	21.72	21.84	24.79	24.75	0.2986
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	21.57	21.9	24.75	24.71	0.2957
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	50@0	20.62	20.81	23.73	23.69	0.2337
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.03	23.13	26.09	26.05	0.4028
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.56	19.58	22.58	22.54	0.1795
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	22.67	23.2	25.95	25.91	0.3902
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.63	19.69	22.67	22.63	0.1832
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	23	23.35	26.19	26.15	0.4120
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	2@49	19.3	19.65	22.49	22.45	0.1757
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	21.94	22.22	25.09	25.05	0.3201
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.23	22.15	25.20	25.16	0.3281
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@0	20.88	21.09	24.00	23.96	0.2487
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	23	23.28	26.15	26.11	0.4086
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@0	19.27	19.81	22.56	22.52	0.1786
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	22.76	23.25	26.02	25.98	0.3965
78	30	20	636000	3540	DFT-s-OFDM QPSK	2@0	19.48	19.84	22.67	22.63	0.1834
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	22.97	23.47	26.24	26.20	0.4166
78	30	20	636000	3540	DFT-s-OFDM QPSK	2@49	19.31	19.88	22.61	22.57	0.1809
78	30	20	636000	3540	DFT-s-OFDM QPSK	50@0	21.87	22.37	25.14	25.10	0.3234
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	22.03	22.37	25.21	25.17	0.3291



78	30	20	636000	3540	DFT-s-OFDM 16 QAM	50@0	20.87	21.28	24.09	24.05	0.2541
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	22.63	22.86	25.76	25.72	0.3730
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	19.13	19.46	22.31	22.27	0.1686
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@63	22.91	22.84	25.89	25.85	0.3842
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	2@0	19.14	19.5	22.33	22.29	0.1696
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	32@16	22.69	22.99	25.85	25.81	0.3813
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	2@63	19.58	19.38	22.49	22.45	0.1759
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	64@0	21.71	21.94	24.84	24.80	0.3018
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	21.67	22.06	24.88	24.84	0.3048
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	64@0	20.74	20.89	23.83	23.79	0.2391
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.13	23.02	26.09	26.05	0.4023
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.62	19.63	22.64	22.60	0.1818
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@63	22.75	23.27	26.03	25.99	0.3970
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.7	19.64	22.68	22.64	0.1837
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	32@16	22.91	23.27	26.10	26.06	0.4040
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	2@63	19.4	19.78	22.60	22.56	0.1805
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	64@0	21.98	22.29	25.15	25.11	0.3242
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.11	22.13	25.13	25.09	0.3229
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	64@0	20.83	21.28	24.07	24.03	0.2530
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	23.06	23.4	26.24	26.20	0.4172
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@0	19.55	19.85	22.71	22.67	0.1850
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@63	22.73	23.36	26.07	26.03	0.4006
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	2@0	19.58	19.96	22.78	22.74	0.1881
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	32@16	22.96	23.33	26.16	26.12	0.4092
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	2@63	19.36	19.94	22.67	22.63	0.1832
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	64@0	21.98	22.34	25.17	25.13	0.3261
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	22.05	22.41	25.24	25.20	0.3314
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	64@0	20.98	21.33	24.17	24.13	0.2588
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	22.76	22.92	25.85	25.81	0.3812
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@0	19.1	19.46	22.29	22.25	0.1680
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	23.23	22.87	26.06	26.02	0.4003
78	30	30	631000	3465	DFT-s-OFDM QPSK	2@0	19.18	19.59	22.40	22.36	0.1722
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	22.73	22.88	25.82	25.78	0.3781
78	30	30	631000	3465	DFT-s-OFDM QPSK	2@76	19.77	19.43	22.61	22.57	0.1809
78	30	30	631000	3465	DFT-s-OFDM QPSK	75@0	21.82	21.92	24.88	24.84	0.3048
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	21.65	21.97	24.82	24.78	0.3008
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	75@0	20.83	20.89	23.87	23.83	0.2416
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.27	23.21	26.25	26.21	0.4179
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.8	19.64	22.73	22.69	0.1858
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	22.69	23.2	25.96	25.92	0.3911
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.84	19.72	22.79	22.75	0.1884
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	22.94	23.16	26.06	26.02	0.4001



78	30	30	633334	3500.01	DFT-s-OFDM QPSK	2@76	19.42	19.77	22.61	22.57	0.1807
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	22.03	22.25	25.15	25.11	0.3245
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.32	22.09	25.22	25.18	0.3294
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	75@0	21.03	21.18	24.12	24.08	0.2556
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	22.93	23.5	26.23	26.19	0.4164
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@0	19.56	19.89	22.74	22.70	0.1861
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	22.92	23.36	26.16	26.12	0.4089
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	2@0	19.63	19.98	22.82	22.78	0.1896
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	22.97	23.31	26.15	26.11	0.4087
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	2@76	19.37	19.88	22.64	22.60	0.1821
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	75@0	21.98	22.37	25.19	25.15	0.3273
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	22.1	22.42	25.27	25.23	0.3337
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	75@0	21.03	21.26	24.16	24.12	0.2580
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	22.48	22.93	25.72	25.68	0.3699
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@0	19.08	19.34	22.22	22.18	0.1653
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	23.08	22.85	25.98	25.94	0.3924
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	2@0	19.02	19.69	22.38	22.34	0.1713
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	22.89	22.87	25.89	25.85	0.3846
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	2@104	19.65	19.38	22.53	22.49	0.1773
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	100@0	21.96	22	24.99	24.95	0.3126
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	21.68	21.98	24.84	24.80	0.3022
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	100@0	20.71	20.94	23.84	23.80	0.2397
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.31	23.15	26.24	26.20	0.4170
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.74	19.59	22.68	22.64	0.1835
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	22.79	23.17	25.99	25.95	0.3940
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.78	19.64	22.72	22.68	0.1854
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	22.91	23.2	26.07	26.03	0.4007
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	2@104	19.48	19.73	22.62	22.58	0.1810
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	22.03	22.07	25.06	25.02	0.3177
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.31	22.17	25.25	25.21	0.3320
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	100@0	20.97	21.23	24.11	24.07	0.2554
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	22.94	23.53	26.26	26.22	0.4183
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@0	19.47	20.04	22.77	22.73	0.1877
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	22.89	23.37	26.15	26.11	0.4080
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	2@0	19.53	19.96	22.76	22.72	0.1871
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	23	23.35	26.19	26.15	0.4120
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	2@104	19.31	19.83	22.59	22.55	0.1798
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	100@0	22.03	22.47	25.27	25.23	0.3331
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	21.81	22.58	25.22	25.18	0.3298
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	100@0	20.99	21.41	24.22	24.18	0.2615
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	22.53	23.03	25.80	25.76	0.3765
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	19.07	19.43	22.26	22.22	0.1669



78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	22.93	22.94	25.95	25.91	0.3895
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	2@0	19.14	19.54	22.35	22.31	0.1704
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	23.11	22.92	26.03	25.99	0.3969
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	2@131	19.44	19.39	22.43	22.39	0.1732
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	22.03	22.03	25.04	25.00	0.3162
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	21.82	22.06	24.95	24.91	0.3099
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	128@0	20.98	20.96	23.98	23.94	0.2478
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.23	23.09	26.17	26.13	0.4103
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.68	19.6	22.65	22.61	0.1824
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	22.87	23.09	25.99	25.95	0.3937
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.69	19.61	22.66	22.62	0.1828
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	23.08	23.26	26.18	26.14	0.4113
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	2@131	19.41	19.7	22.57	22.53	0.1790
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	22.07	22.26	25.18	25.14	0.3263
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.09	22.09	25.10	25.06	0.3206
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	128@0	21.03	21.14	24.10	24.06	0.2544
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	22.89	23.38	26.15	26.11	0.4085
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@0	19.44	19.98	22.73	22.69	0.1857
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	22.82	23.25	26.05	26.01	0.3991
78	30	50	635000	3525	DFT-s-OFDM QPSK	2@0	19.34	20	22.69	22.65	0.1842
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	23	23.35	26.19	26.15	0.4120
78	30	50	635000	3525	DFT-s-OFDM QPSK	2@131	19.29	19.81	22.57	22.53	0.1790
78	30	50	635000	3525	DFT-s-OFDM QPSK	128@0	21.92	22.42	25.19	25.15	0.3272
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	21.83	22.57	25.23	25.19	0.3301
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	128@0	20.96	21.39	24.19	24.15	0.2601
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	22.62	23.08	25.87	25.83	0.3825
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@0	19.27	19.49	22.39	22.35	0.1719
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	22.61	23.08	25.86	25.82	0.3821
78	30	60	632000	3480	DFT-s-OFDM QPSK	2@0	19.15	19.56	22.37	22.33	0.1710
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	23.1	22.93	26.03	25.99	0.3968
78	30	60	632000	3480	DFT-s-OFDM QPSK	2@160	19.3	19.58	22.45	22.41	0.1743
78	30	60	632000	3480	DFT-s-OFDM QPSK	162@0	21.99	21.94	24.98	24.94	0.3116
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	21.66	22.02	24.85	24.81	0.3030
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	162@0	20.93	20.9	23.93	23.89	0.2446
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.03	23.08	26.07	26.03	0.4004
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.51	19.58	22.56	22.52	0.1785
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	22.82	23	25.92	25.88	0.3874
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.57	19.6	22.60	22.56	0.1801
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	22.99	23.17	26.09	26.05	0.4028
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	2@160	19.41	19.56	22.50	22.46	0.1760
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	22	22.17	25.10	25.06	0.3203
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.99	22.02	25.02	24.98	0.3144



78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	162@0	21	21.14	24.08	24.04	0.2536
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	23.18	23.29	26.25	26.21	0.4174
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	19.68	19.69	22.70	22.66	0.1843
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	22.6	23.18	25.91	25.87	0.3864
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	2@0	19.73	19.89	22.82	22.78	0.1897
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	22.89	23.28	26.10	26.06	0.4036
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	2@160	19.3	19.78	22.56	22.52	0.1785
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	21.83	22.29	25.08	25.04	0.3189
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	22.14	22.27	25.22	25.18	0.3293
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	162@0	20.9	21.27	24.10	24.06	0.2546
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	22.63	23.04	25.85	25.81	0.3811
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@0	19.14	19.53	22.35	22.31	0.1702
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	22.61	22.87	25.75	25.71	0.3726
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	2@0	19.12	19.65	22.40	22.36	0.1723
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	23.03	23	26.03	25.99	0.3968
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	2@187	19.36	19.53	22.46	22.42	0.1744
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	180@0	21.85	22.05	24.96	24.92	0.3106
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	21.71	22.09	24.91	24.87	0.3072
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	180@0	20.91	21.06	24.00	23.96	0.2487
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.75	23.05	25.91	25.87	0.3866
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.36	19.67	22.53	22.49	0.1773
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	22.78	22.98	25.89	25.85	0.3847
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.42	19.7	22.57	22.53	0.1792
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	23	23.22	26.12	26.08	0.4057
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	2@187	19.33	19.53	22.44	22.40	0.1738
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	180@0	21.9	22.16	25.04	25.00	0.3164
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.76	22.14	24.96	24.92	0.3108
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	180@0	20.97	21.19	24.09	24.05	0.2542
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	23.24	23.24	26.25	26.21	0.4179
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@0	19.62	19.7	22.67	22.63	0.1833
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	22.6	23.01	25.82	25.78	0.3785
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	2@0	19.81	19.77	22.80	22.76	0.1888
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	22.81	23.31	26.08	26.04	0.4016
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	2@187	19.08	19.73	22.43	22.39	0.1733
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	180@0	21.94	22.25	25.11	25.07	0.3212
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	22.12	22.2	25.17	25.13	0.3259
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	180@0	20.95	21.27	24.12	24.08	0.2560
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	22.47	23.17	25.84	25.80	0.3806
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@0	19.17	19.65	22.43	22.39	0.1733
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	22.7	22.91	25.82	25.78	0.3781
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	2@0	19.19	19.67	22.45	22.41	0.1741
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	23.05	23.02	26.05	26.01	0.3986



78	30	80	632668	3490.02	DFT-s-OFDM QPSK	2@215	19.4	19.61	22.52	22.48	0.1769
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	216@0	21.89	22.07	24.99	24.95	0.3127
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	21.56	22.1	24.85	24.81	0.3026
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	216@0	20.79	21.04	23.93	23.89	0.2447
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.6	23.19	25.92	25.88	0.3868
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.21	19.73	22.49	22.45	0.1757
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	22.56	22.99	25.79	25.75	0.3759
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.23	19.68	22.47	22.43	0.1750
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	22.94	23.17	26.07	26.03	0.4006
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	2@215	19.25	19.56	22.42	22.38	0.1729
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	21.89	22.16	25.04	25.00	0.3160
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.35	22.14	24.77	24.73	0.2974
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	216@0	21	21.22	24.12	24.08	0.2560
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	23	23.23	26.13	26.09	0.4061
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@0	19.61	19.75	22.69	22.65	0.1841
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	22.62	23.09	25.87	25.83	0.3830
78	30	80	634000	3510	DFT-s-OFDM QPSK	2@0	19.6	19.75	22.69	22.65	0.1839
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	22.93	23.31	26.13	26.09	0.4069
78	30	80	634000	3510	DFT-s-OFDM QPSK	2@215	19.22	19.76	22.51	22.47	0.1766
78	30	80	634000	3510	DFT-s-OFDM QPSK	216@0	21.92	22.18	25.06	25.02	0.3179
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	21.92	22.33	25.14	25.10	0.3236
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	216@0	20.94	21.2	24.08	24.04	0.2536
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	22.57	23.04	25.82	25.78	0.3786
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@0	19.17	19.59	22.40	22.36	0.1720
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	22.71	22.85	25.79	25.75	0.3759
78	30	90	633000	3495	DFT-s-OFDM QPSK	2@0	19.18	19.71	22.46	22.42	0.1747
78	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	22.97	23.14	26.07	26.03	0.4005
78	30	90	633000	3495	DFT-s-OFDM QPSK	2@243	19.18	19.51	22.36	22.32	0.1705
78	30	90	633000	3495	DFT-s-OFDM QPSK	243@0	21.91	22.08	25.01	24.97	0.3138
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	21.6	22.16	24.90	24.86	0.3061
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	243@0	20.89	21.08	24.00	23.96	0.2487
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.54	23.19	25.89	25.85	0.3844
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.18	19.72	22.47	22.43	0.1749
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	22.65	22.92	25.80	25.76	0.3765
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.18	19.67	22.44	22.40	0.1739
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	23.04	23.19	26.13	26.09	0.4061
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	2@243	19.28	19.68	22.49	22.45	0.1760
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	243@0	21.88	22.26	25.08	25.04	0.3195
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.34	22.12	24.76	24.72	0.2963
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	243@0	20.92	21.14	24.04	24.00	0.2513
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	22.55	23.08	25.83	25.79	0.3796
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@0	19.22	19.72	22.49	22.45	0.1757



78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	22.64	23.06	25.87	25.83	0.3824
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	2@0	19.33	19.78	22.57	22.53	0.1791
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	22.99	23.24	26.13	26.09	0.4062
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	2@243	19.32	19.7	22.52	22.48	0.1772
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	243@0	21.86	22.22	25.05	25.01	0.3173
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	21.87	22.2	25.05	25.01	0.3168
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	243@0	20.97	21.23	24.11	24.07	0.2554
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.77	23.37	26.09	26.05	0.4028
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	19.34	19.92	22.65	22.61	0.1824
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	22.74	23.24	26.01	25.97	0.3951
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	2@0	19.35	19.99	22.69	22.65	0.1842
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	22.99	23.33	26.17	26.13	0.4105
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	2@271	19.36	19.87	22.63	22.59	0.1817
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	22.48	22.79	25.65	25.61	0.3638
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.7	23.33	26.04	26.00	0.3978
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.37	19.88	22.64	22.60	0.1821
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	22.7	23.13	25.93	25.89	0.3882
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.41	20.05	22.75	22.71	0.1867
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	23.16	23.36	26.27	26.23	0.4199
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	2@271	19.42	19.89	22.67	22.63	0.1833
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	22.02	22.33	25.19	25.15	0.3272
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.65	22.47	25.09	25.05	0.3199
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.32	20.86	23.61	23.57	0.2274
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.26	18.69	21.49	21.45	0.1397
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	270@0	21.05	21.39	24.23	24.19	0.2626
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	270@0	20.57	20.91	23.75	23.71	0.2352
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	270@0	18.62	18.92	21.78	21.74	0.1494
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	21.23	21.8	24.53	24.49	0.2815
78	30	100	633334	3500.01	CP-OFDM QPSK	1@0	19.31	19.7	22.52	22.48	0.1770
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	21.2	21.63	24.43	24.39	0.2748
78	30	100	633334	3500.01	CP-OFDM QPSK	2@0	19.33	19.97	22.67	22.63	0.1833
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.65	21.89	24.78	24.74	0.2980
78	30	100	633334	3500.01	CP-OFDM QPSK	2@271	19.39	19.82	22.62	22.58	0.1812
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	20.07	20.43	23.26	23.22	0.2101
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	20.82	21.4	24.13	24.09	0.2564
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	19.47	19.94	22.72	22.68	0.1854
78	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	16.3	17.04	19.70	19.66	0.0924
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	19.98	20.39	23.20	23.16	0.2070
78	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	20.07	20.38	23.24	23.20	0.2088
78	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	19.54	19.81	22.69	22.65	0.1840
78	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	16.79	17.05	19.93	19.89	0.0975

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Wenbo Xiao LiangPing Zhou Jake	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

03CH02-SZ:

n77 SA / NR 100MHz / QPSK(ANT7) Main PA								
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	6904.00	-54.54	-13	-41.54	-57.84	8.30	11.60	H
	10356.00	-53.85	-13	-40.85	-55.37	10.48	12.00	H
	13808.00	-52.23	-13	-39.23	-53.93	11.80	13.50	H
	6904.00	-52.46	-13	-39.46	-55.76	8.30	11.60	V
	10356.00	-56.18	-13	-43.18	-57.70	10.48	12.00	V
	13808.00	-53.00	-13	-40.00	-54.70	11.80	13.50	V

n77 SA / NR 100MHz / QPSK(ANT5) PA Reference Designator								
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	6904.00	-54.44	-13	-41.44	-57.74	8.30	11.60	H
	10356.00	-48.77	-13	-35.77	-50.29	10.48	12.00	H
	13808.00	-52.27	-13	-39.27	-53.97	11.80	13.50	H
	6904.00	-58.53	-13	-45.53	-61.83	8.30	11.60	V
	10356.00	-51.30	-13	-38.30	-52.82	10.48	12.00	V
	13808.00	-52.83	-13	-39.83	-54.53	11.80	13.50	V

n77 UL MIMO / NR 100+100MHz / QPSK(ANT7+4)								
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	6904.00	-58.54	-13	-45.54	-61.84	8.30	11.60	H
	10356.00	-54.41	-13	-41.41	-55.93	10.48	12.00	H
	13808.00	-52.99	-13	-39.99	-54.69	11.80	13.50	H
	6904.00	-56.29	-13	-43.29	-59.59	8.30	11.60	V
	10356.00	-55.58	-13	-42.58	-57.10	10.48	12.00	V
	13808.00	-53.90	-13	-40.90	-55.60	11.80	13.50	V

03CH04-KS:

EN-DC_30A_n77A / LTE 20MHz + NR 100MHz / QPSK(2+7) Main PA								
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	6900	-51.65	-13	-38.65	-61.86	3.03	13.24	H
	10356	-54.48	-13	-41.48	-63.93	3.56	13.01	H
	13836	-54.78	-13	-41.78	-64.30	3.92	13.44	H
	6900	-53.69	-13	-40.69	-63.90	3.03	13.24	V
	10356	-58.38	-13	-45.38	-67.83	3.56	13.01	V
	13836	-56.55	-13	-43.55	-66.07	3.92	13.44	V

EN-DC_30A_n77A / LTE 20MHz + NR 100MHz / QPSK(1+5) PA Reference Designator								
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	6900	-53.28	-13	-40.28	-63.49	3.03	13.24	H
	10356	-54.47	-13	-41.47	-63.92	3.56	13.01	H
	13824	-58.32	-13	-45.32	-67.84	3.92	13.44	H
	6900	-52.18	-13	-39.18	-62.39	3.03	13.24	V
	10356	-54.49	-13	-41.49	-63.94	3.56	13.01	V
	13824	-58.94	-13	-45.94	-68.46	3.92	13.44	V

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