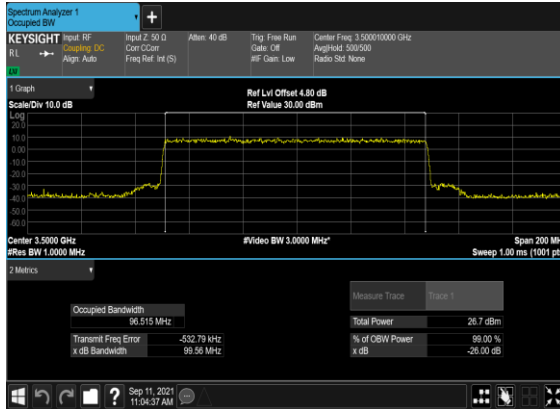
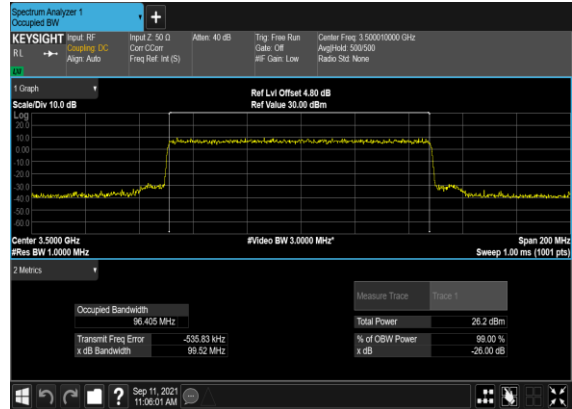


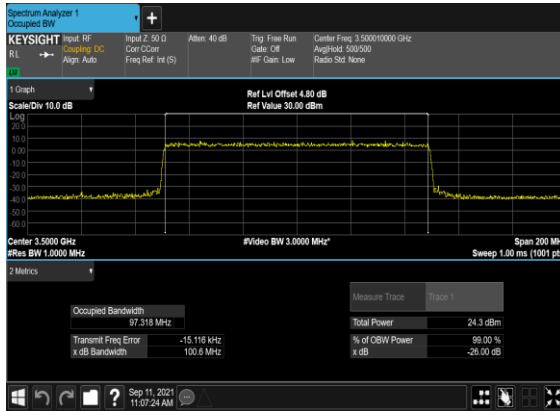
B41_N77(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B41_N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



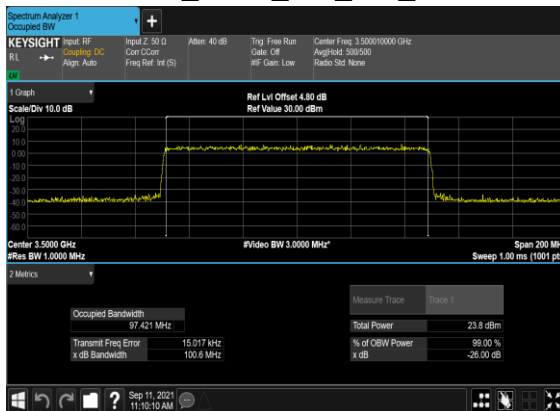
B41_N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



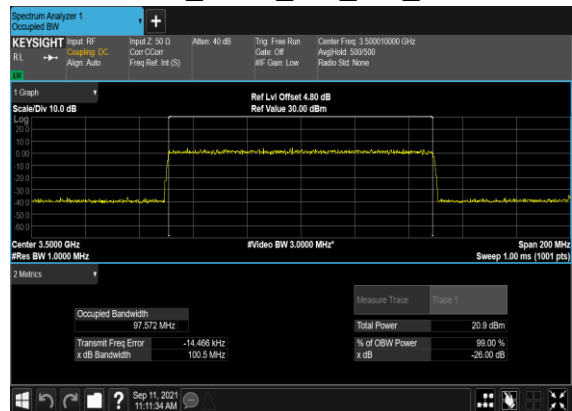
B41_N77(100M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



B41_N77(100M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



B41_N77(100M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

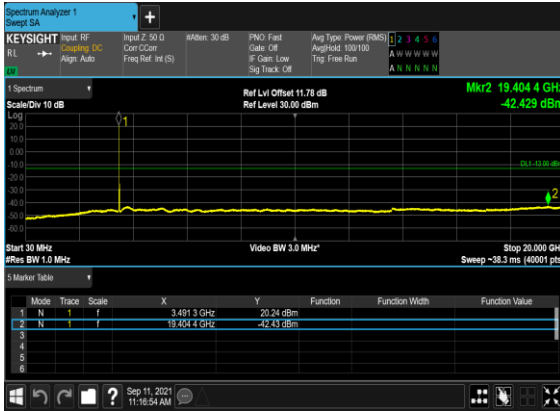


Conducted Spurious Emissions

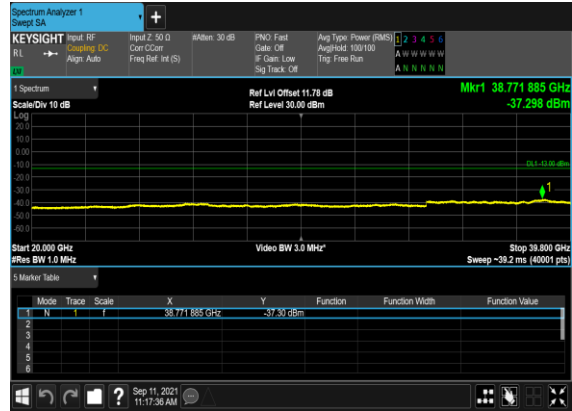
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	---

77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	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 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	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS

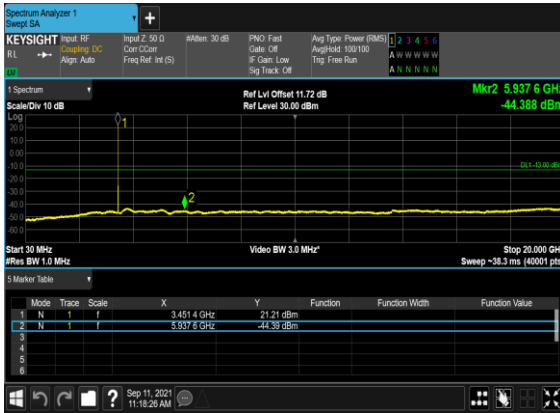
B41_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



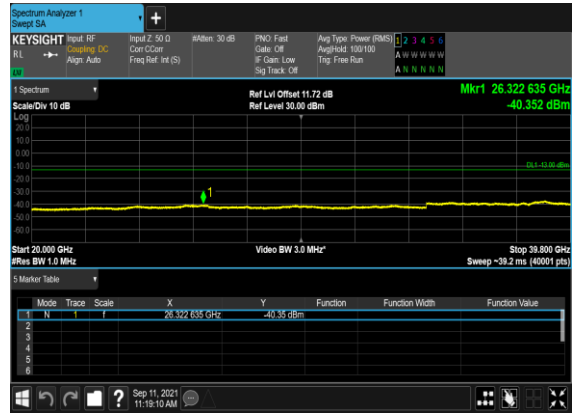
B41_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



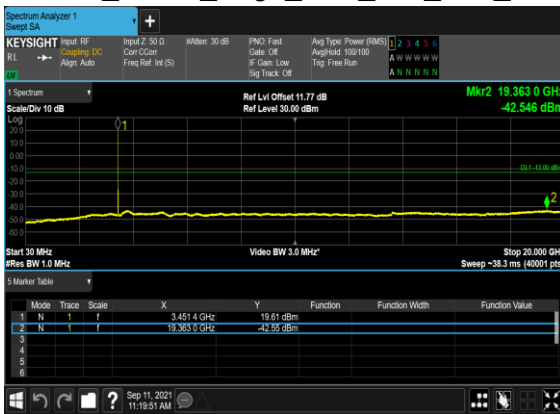
B41_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



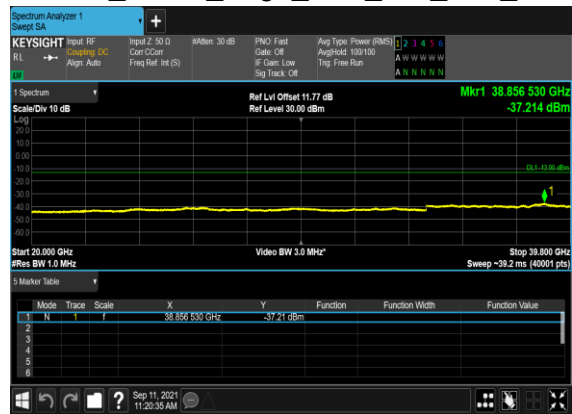
B41_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



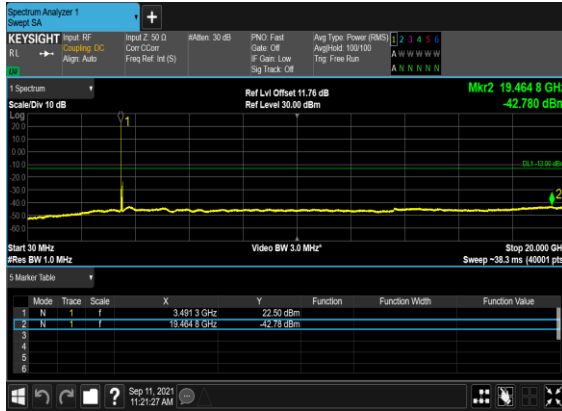
B41_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



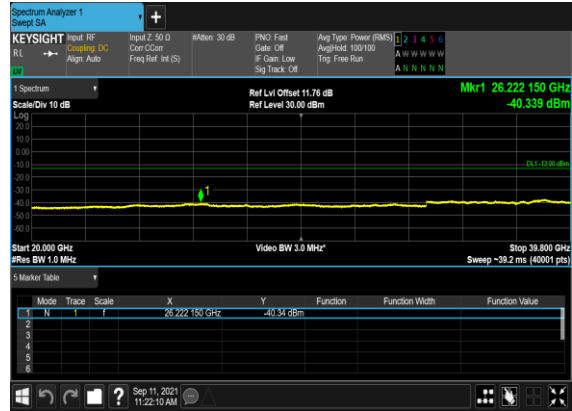
B41_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



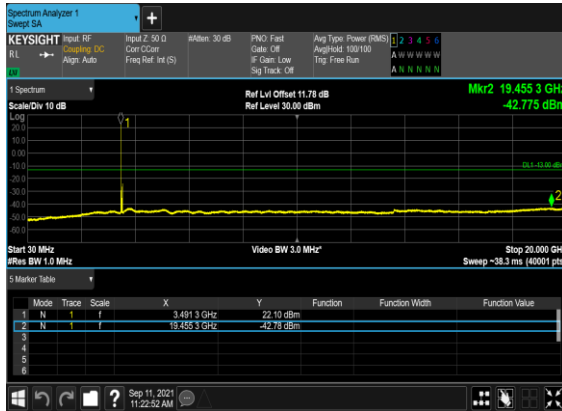
B41_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



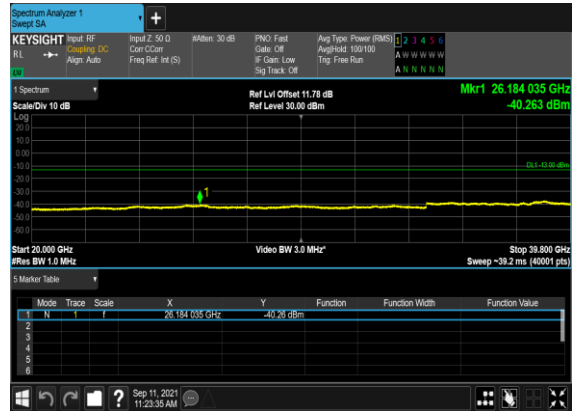
B41_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



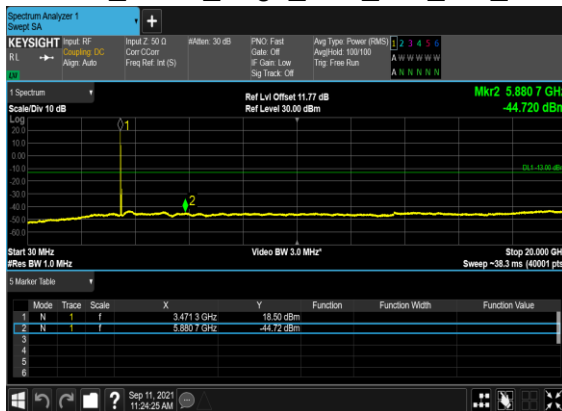
B41_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



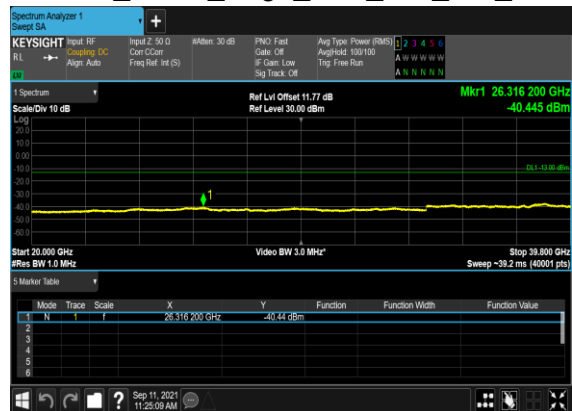
B41_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



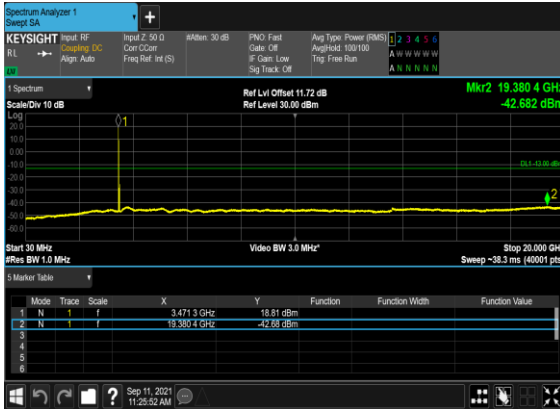
B41_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B41_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



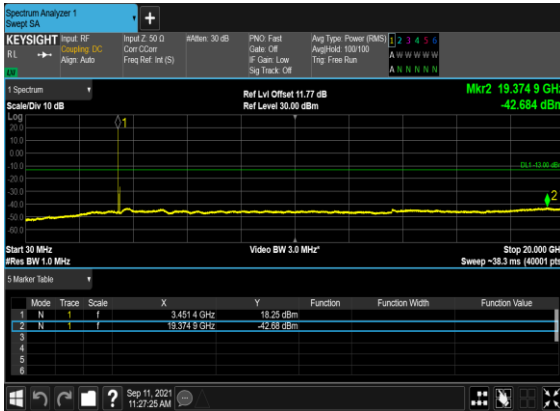
B41_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



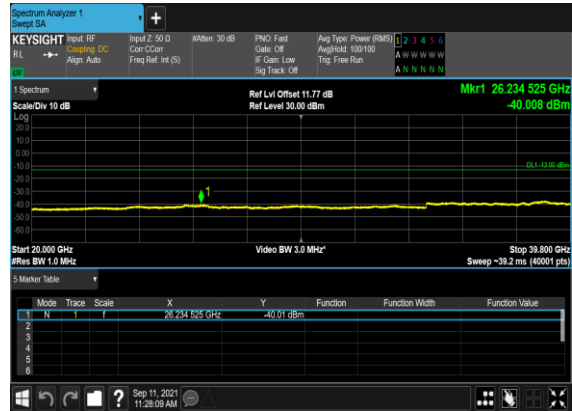
B41_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



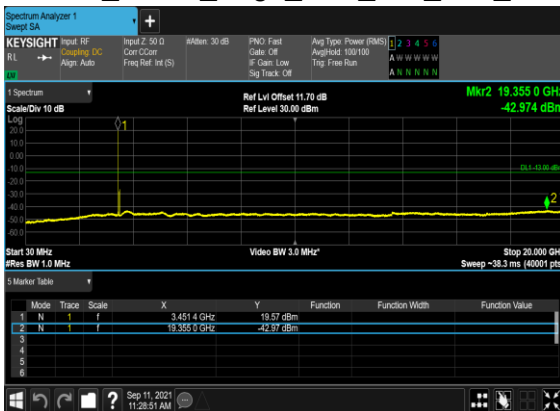
B41_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



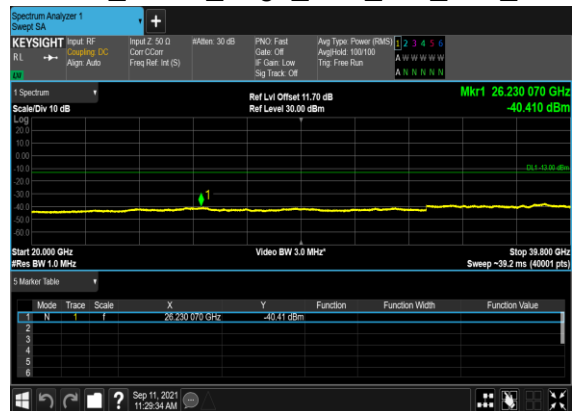
B41_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



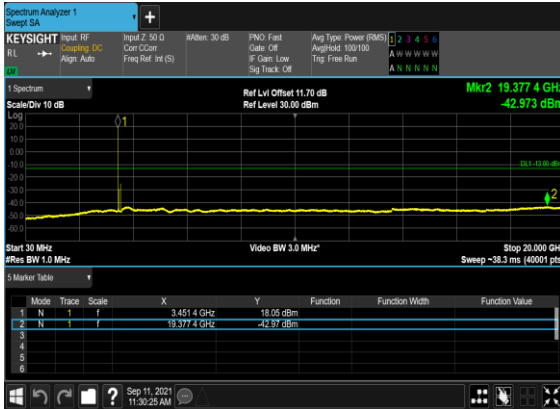
B41_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



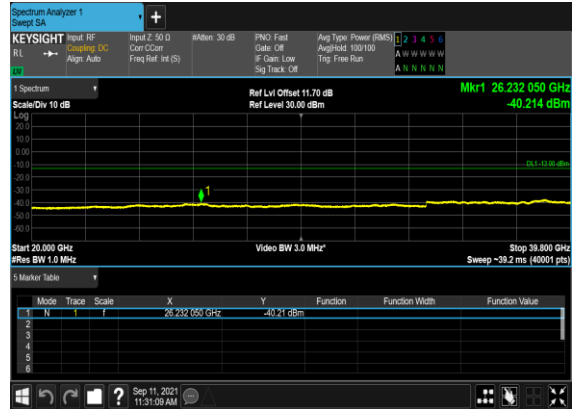
B41_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



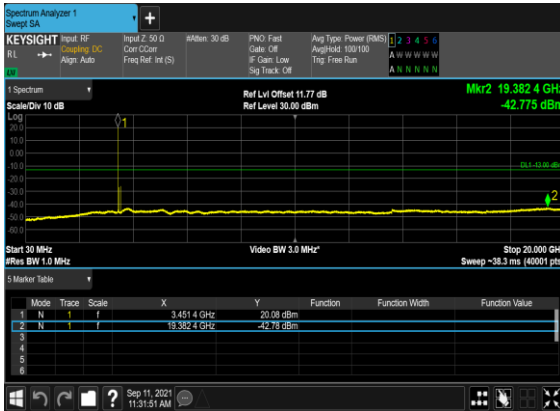
B41_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



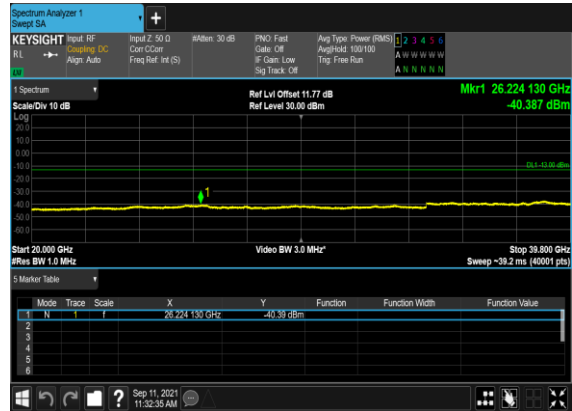
B41_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B41_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



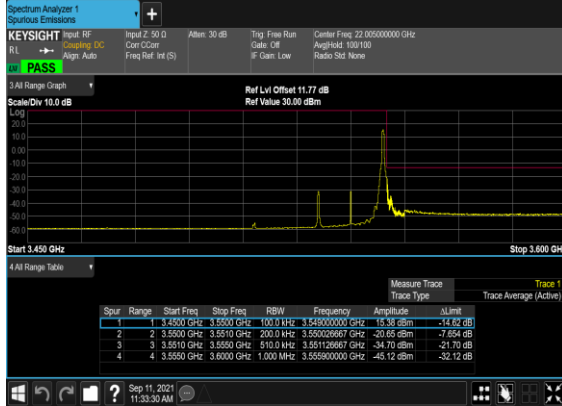
B41_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



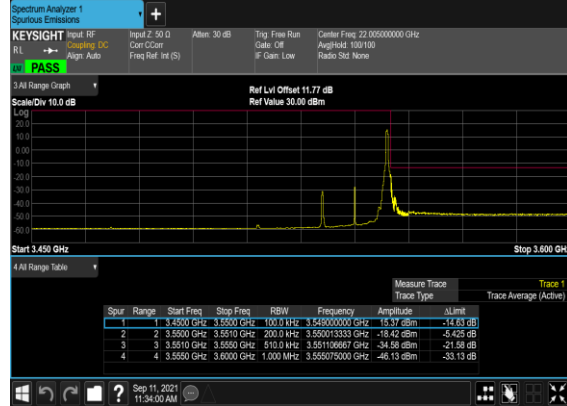
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@50	see graph	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@50	see graph	PASS
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@161	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@161	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	162@0	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	see graph	PASS
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	162@0	see graph	PASS
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@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

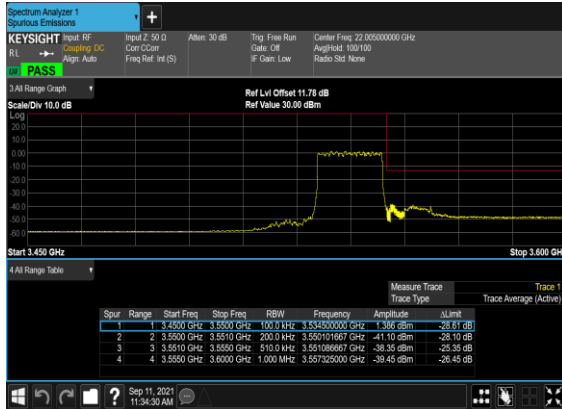
B41_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



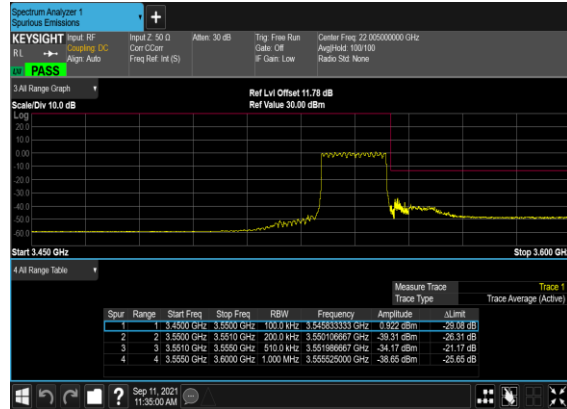
B41_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



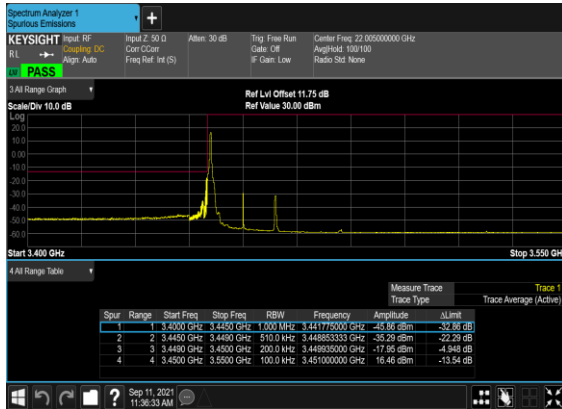
B41_N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



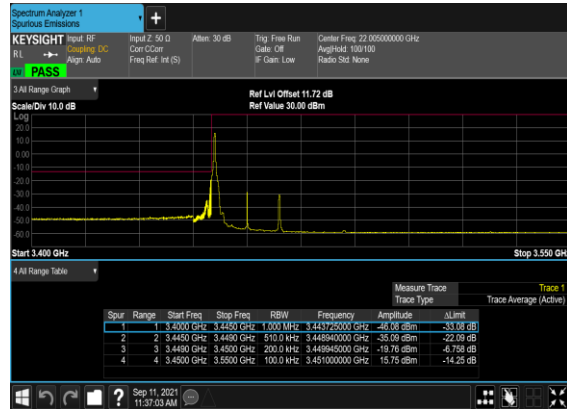
B41_N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



B41_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B41_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



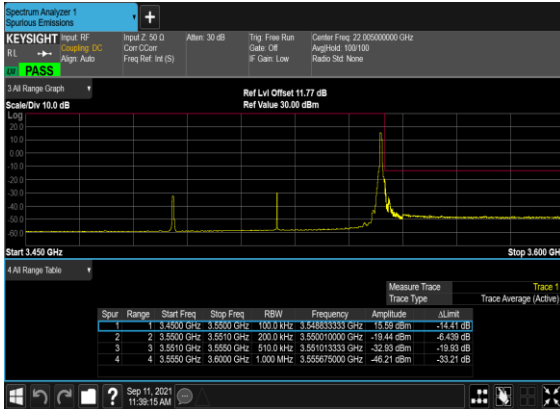
B41_N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



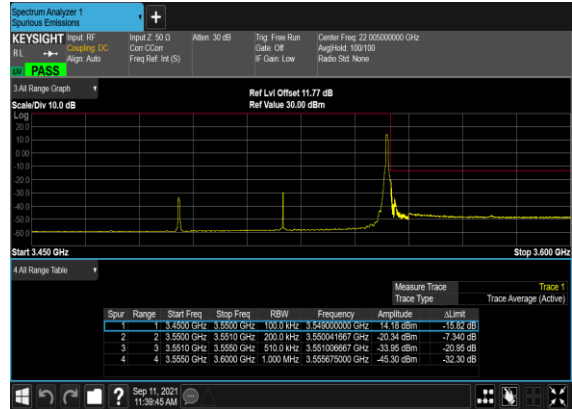
B41_N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



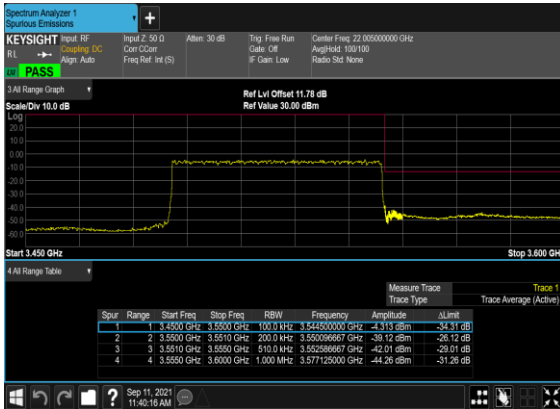
B41_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



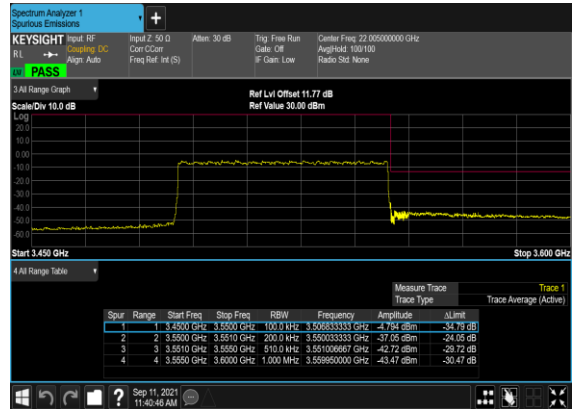
B41_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



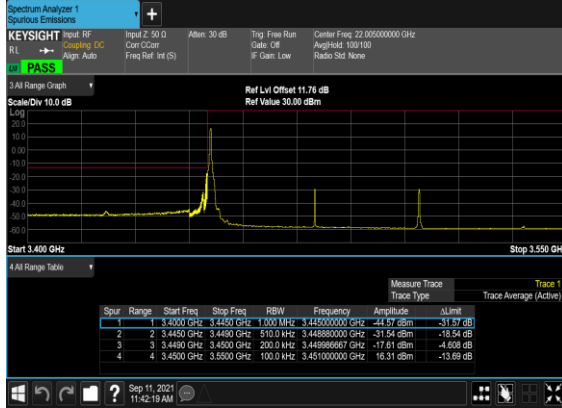
B41_N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



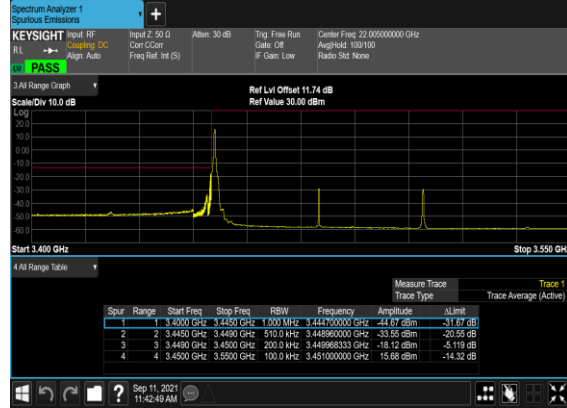
B41_N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



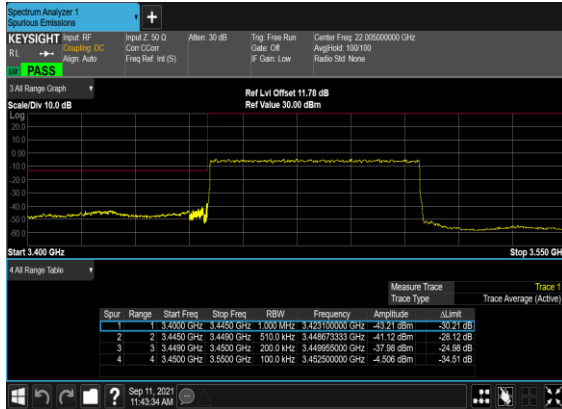
B41_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



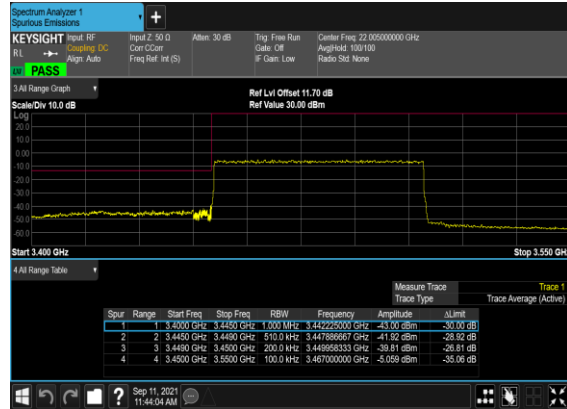
B41_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



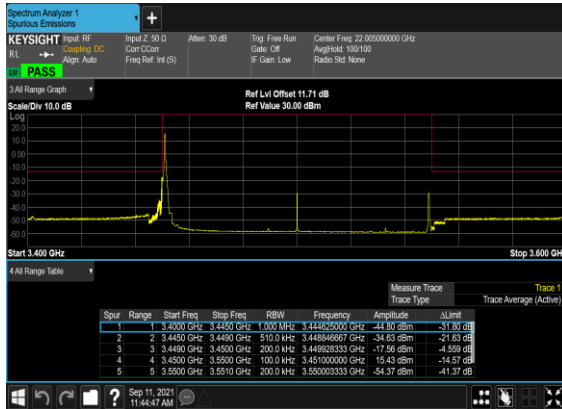
B41_N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



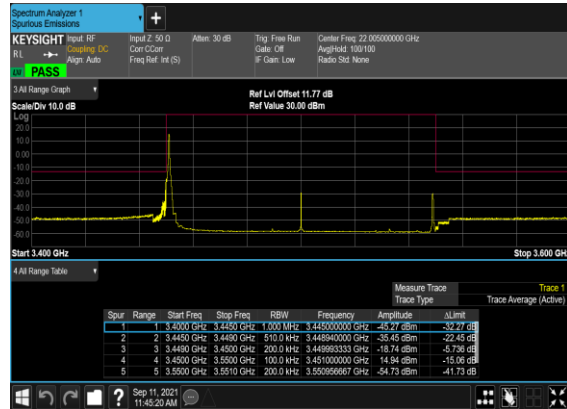
B41_N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



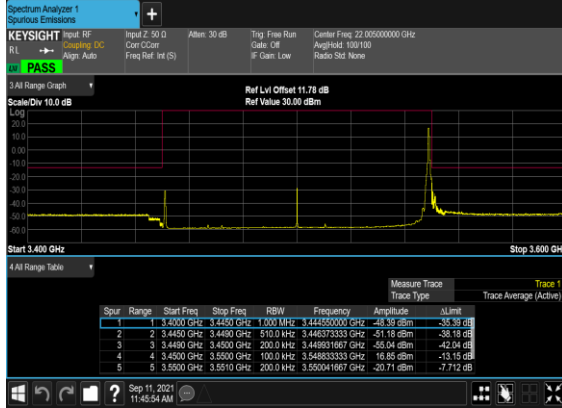
B41_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



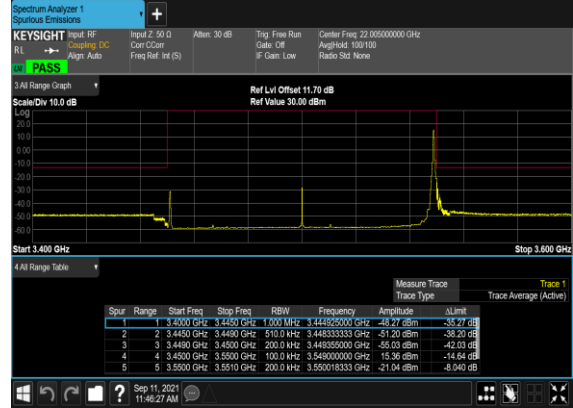
B41_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



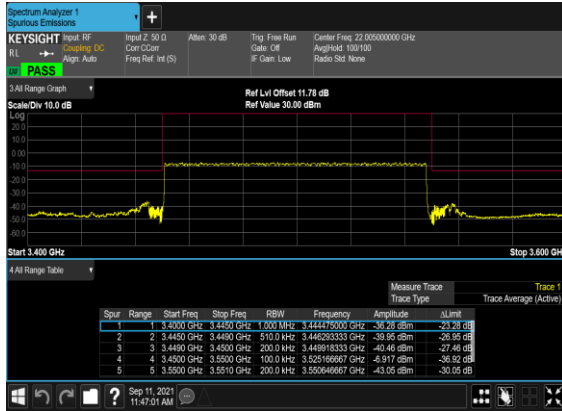
B41_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



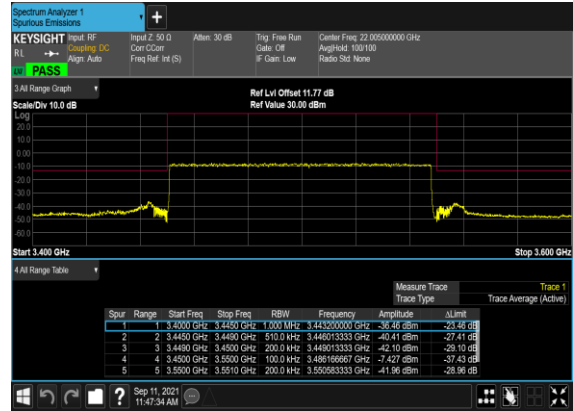
B41_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



B41_N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



B41_N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



FR1 N78

LTE Band: 5, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And ERP/EIRP, ($G_T - L_C$)=0.2dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	22.26	22.46	0.1762
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	22.18	22.38	0.1730
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	22.25	22.45	0.1758
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	22.21	22.41	0.1742
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	22.13	22.33	0.1710
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	22.4	22.6	0.1820
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	22.2	22.4	0.1738
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	22.36	22.56	0.1803
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	22.33	22.53	0.1791
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	19.94	20.14	0.1033
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	19.83	20.03	0.1007
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	19.95	20.15	0.1035
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	17.78	17.98	0.0628
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	17.79	17.99	0.0630
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	17.83	18.03	0.0635
78	30	20	630668	3460.02	CP-OFDM QPSK	25@12	20.55	20.75	0.1189
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	20.72	20.92	0.1236
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	20.89	21.09	0.1285

78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	22.62	22.82	0.1914
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.59	22.79	0.1901
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	22.64	22.84	0.1923
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	22.51	22.71	0.1866
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.61	22.81	0.1910
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	22.47	22.67	0.1849
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	22.47	22.67	0.1849
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.58	22.78	0.1897
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	22.84	23.04	0.2014
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	20.22	20.42	0.1102
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.21	20.41	0.1099
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	20.06	20.26	0.1062
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	18.13	18.33	0.0681
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.26	18.46	0.0701
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	18.25	18.45	0.0700
78	30	20	633334	3500.01	CP-OFDM QPSK	25@12	21.83	22.03	0.1596
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	20.97	21.17	0.1309
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	21.06	21.26	0.1337
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	22.81	23.01	0.2000
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	22.92	23.12	0.2051
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	22.9	23.1	0.2042
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	22.74	22.94	0.1968
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	22.77	22.97	0.1982
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	22.94	23.14	0.2061

78	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	22.84	23.04	0.2014
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	22.61	22.81	0.1910
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	23.01	23.21	0.2094
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	20.42	20.62	0.1153
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	20.22	20.42	0.1102
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	20.44	20.64	0.1159
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	18.35	18.55	0.0716
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	18.62	18.82	0.0762
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	18.72	18.92	0.0780
78	30	20	636000	3540	CP-OFDM QPSK	25@12	21.11	21.31	0.1352
78	30	20	636000	3540	CP-OFDM QPSK	1@1	21.22	21.42	0.1387
78	30	20	636000	3540	CP-OFDM QPSK	1@49	21.43	21.63	0.1455
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	22.33	22.53	0.1791
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	22.32	22.52	0.1786
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	22.34	22.54	0.1795
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	22.49	22.69	0.1858
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	22.48	22.68	0.1854
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	22.62	22.82	0.1914
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	22.34	22.54	0.1795
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	22.42	22.62	0.1828
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	22.48	22.68	0.1854
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	19.99	20.19	0.1045
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	19.81	20.01	0.1002
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	19.86	20.06	0.1014

78	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	17.88	18.08	0.0643
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	18	18.2	0.0661
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	18.05	18.25	0.0668
78	30	30	631000	3465	CP-OFDM QPSK	39@19	20.98	21.18	0.1312
78	30	30	631000	3465	CP-OFDM QPSK	1@1	21.03	21.23	0.1327
78	30	30	631000	3465	CP-OFDM QPSK	1@76	21	21.2	0.1318
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	22.6	22.8	0.1905
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.71	22.91	0.1954
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	22.52	22.72	0.1871
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	22.71	22.91	0.1954
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.74	22.94	0.1968
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	22.77	22.97	0.1982
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	22.54	22.74	0.1879
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.37	22.57	0.1807
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	22.94	23.14	0.2061
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	20.25	20.45	0.1109
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.14	20.34	0.1081
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	19.95	20.15	0.1035
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	18.02	18.22	0.0664
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.29	18.49	0.0706
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	18.39	18.59	0.0723
78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	21.11	21.31	0.1352
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	21.26	21.46	0.1400
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	21.07	21.27	0.1340
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	22.82	23.02	0.2004

78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	22.71	22.91	0.1954
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	22.99	23.19	0.2084
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	23.01	23.21	0.2094
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	22.95	23.15	0.2065
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	23.05	23.25	0.2113
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	22.86	23.06	0.2023
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	22.91	23.11	0.2046
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	22.59	22.79	0.1901
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	20.36	20.56	0.1138
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	20.36	20.56	0.1138
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	20.24	20.44	0.1107
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	18.35	18.55	0.0716
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	18.44	18.64	0.0731
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	18.45	18.65	0.0733
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	21.53	21.73	0.1489
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	21.41	21.61	0.1449
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	21.45	21.65	0.1462
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	22.45	22.65	0.1841
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	22.48	22.68	0.1854
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	22.68	22.88	0.1941
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	22.51	22.71	0.1866
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	22.53	22.73	0.1875
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	22.73	22.93	0.1963
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	22.26	22.46	0.1762

78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	22.59	22.79	0.1901
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	22.67	22.87	0.1936
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	19.83	20.03	0.1007
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	20.1	20.3	0.1072
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	20.28	20.48	0.1117
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	17.84	18.04	0.0637
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	17.99	18.19	0.0659
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	17.97	18.17	0.0656
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	20.9	21.1	0.1288
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	21	21.2	0.1318
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	21	21.2	0.1318
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	22.74	22.94	0.1968
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.45	22.65	0.1841
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	22.9	23.1	0.2042
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	22.71	22.91	0.1954
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.69	22.89	0.1945
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	22.95	23.15	0.2065
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	22.75	22.95	0.1972
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.43	22.63	0.1832
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	22.69	22.89	0.1945
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	20.1	20.3	0.1072
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.15	20.35	0.1084
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	20.49	20.69	0.1172
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	18.08	18.28	0.0673

78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.17	18.37	0.0687
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	18.33	18.53	0.0713
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	21.1	21.3	0.1349
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	21.03	21.23	0.1327
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	21.19	21.39	0.1377
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	22.73	22.93	0.1963
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	22.98	23.18	0.2080
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	22.93	23.13	0.2056
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	22.8	23	0.1995
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	23	23.2	0.2089
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	22.96	23.16	0.2070
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	22.83	23.03	0.2009
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	22.91	23.11	0.2046
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	22.65	22.85	0.1928
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	20.49	20.69	0.1172
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	20.4	20.6	0.1148
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	20.25	20.45	0.1109
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	18.49	18.69	0.0740
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	18.68	18.88	0.0773
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	18.61	18.81	0.0760
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	21.39	21.59	0.1442
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	21.46	21.66	0.1466
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	21.5	21.7	0.1479
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	22.24	22.44	0.1754
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	21.99	22.19	0.1656

78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	22.2	22.4	0.1738
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	22.12	22.32	0.1706
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	21.99	22.19	0.1656
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	22.34	22.54	0.1795
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	22.09	22.29	0.1694
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	22.12	22.32	0.1706
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	22.35	22.55	0.1799
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	19.67	19.87	0.0971
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	19.43	19.63	0.0918
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	19.76	19.96	0.0991
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	17.75	17.95	0.0624
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	17.65	17.85	0.0610
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	17.84	18.04	0.0637
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	20.86	21.06	0.1276
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	20.64	20.84	0.1213
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	20.81	21.01	0.1262
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	22.37	22.57	0.1807
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.08	22.28	0.1690
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	22.46	22.66	0.1845
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	22.54	22.74	0.1879
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.13	22.33	0.1710
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	22.51	22.71	0.1866
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	22.58	22.78	0.1897
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.29	22.49	0.1774

78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	22.41	22.61	0.1824
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	20.06	20.26	0.1062
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.7	19.9	0.0977
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	19.89	20.09	0.1021
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	18	18.2	0.0661
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.6	17.8	0.0603
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	18.1	18.3	0.0676
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	20.87	21.07	0.1279
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	20.59	20.79	0.1199
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	20.96	21.16	0.1306
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	22.55	22.75	0.1884
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	22.36	22.56	0.1803
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	22.56	22.76	0.1888
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	22.66	22.86	0.1932
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	22.48	22.68	0.1854
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	22.7	22.9	0.1950
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	22.71	22.91	0.1954
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	22.65	22.85	0.1928
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	22.74	22.94	0.1968
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	20.05	20.25	0.1059
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	19.98	20.18	0.1042
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	20.28	20.48	0.1117
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	18.23	18.43	0.0697
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	17.95	18.15	0.0653

78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	18.17	18.37	0.0687
78	30	50	635000	3525	CP-OFDM QPSK	67@33	21.28	21.48	0.1406
78	30	50	635000	3525	CP-OFDM QPSK	1@1	21.02	21.22	0.1324
78	30	50	635000	3525	CP-OFDM QPSK	1@131	20.93	21.13	0.1297
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	22.31	22.51	0.1782
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	22.13	22.33	0.1710
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	22.17	22.37	0.1726
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	22.34	22.54	0.1795
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	22.09	22.29	0.1694
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	22.33	22.53	0.1791
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	22.32	22.52	0.1786
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	22.06	22.26	0.1683
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	22.34	22.54	0.1795
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	19.77	19.97	0.0993
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	19.69	19.89	0.0975
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	19.74	19.94	0.0986
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	17.78	17.98	0.0628
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	17.82	18.02	0.0634
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	17.85	18.05	0.0638
78	30	60	632000	3480	CP-OFDM QPSK	81@40	20.66	20.86	0.1219
78	30	60	632000	3480	CP-OFDM QPSK	1@1	20.84	21.04	0.1271
78	30	60	632000	3480	CP-OFDM QPSK	1@160	20.75	20.95	0.1245
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	22.53	22.73	0.1875
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.38	22.58	0.1811
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	22.35	22.55	0.1799

78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	22.35	22.55	0.1799
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.21	22.41	0.1742
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	22.39	22.59	0.1816
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	22.59	22.79	0.1901
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.1	22.3	0.1698
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	22.3	22.5	0.1778
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	19.96	20.16	0.1038
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.74	19.94	0.0986
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	19.78	19.98	0.0995
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	18.02	18.22	0.0664
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.92	18.12	0.0649
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	17.97	18.17	0.0656
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	20.94	21.14	0.1300
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	20.67	20.87	0.1222
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	21.04	21.24	0.1330
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	22.57	22.77	0.1892
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	22.32	22.52	0.1786
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	22.65	22.85	0.1928
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	22.69	22.89	0.1945
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	22.36	22.56	0.1803
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	22.49	22.69	0.1858
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	22.63	22.83	0.1919
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	22.34	22.54	0.1795
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	22.48	22.68	0.1854

78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	19.96	20.16	0.1038
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	19.98	20.18	0.1042
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	20.01	20.21	0.1050
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	18.05	18.25	0.0668
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	17.91	18.11	0.0647
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	18.03	18.23	0.0665
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	20.99	21.19	0.1315
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	20.83	21.03	0.1268
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	20.96	21.16	0.1306
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	22.2	22.4	0.1738
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	22.11	22.31	0.1702
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	22.11	22.31	0.1702
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	22.14	22.34	0.1714
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	22.3	22.5	0.1778
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	22.29	22.49	0.1774
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	22.42	22.62	0.1828
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	22.04	22.24	0.1675
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	22	22.2	0.1660
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	19.88	20.08	0.1019
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	19.53	19.73	0.0940
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	19.64	19.84	0.0964
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	17.88	18.08	0.0643
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	17.82	18.02	0.0634
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	17.79	17.99	0.0630

78	30	70	632334	3485.01	CP-OFDM QPSK	95@47	20.71	20.91	0.1233
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	20.72	20.92	0.1236
78	30	70	632334	3485.01	CP-OFDM QPSK	1@187	20.78	20.98	0.1253
78	30	70	633334	3500.01	DFT-s- OFDM PI/2 BPSK	90@45	22.49	22.69	0.1858
78	30	70	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	22.3	22.5	0.1778
78	30	70	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@187	22.36	22.56	0.1803
78	30	70	633334	3500.01	DFT-s- OFDM QPSK	90@45	22.31	22.51	0.1782
78	30	70	633334	3500.01	DFT-s- OFDM QPSK	1@1	22.26	22.46	0.1762
78	30	70	633334	3500.01	DFT-s- OFDM QPSK	1@187	22.24	22.44	0.1754
78	30	70	633334	3500.01	DFT-s- OFDM 16 QAM	90@45	22.3	22.5	0.1778
78	30	70	633334	3500.01	DFT-s- OFDM 16 QAM	1@1	22.12	22.32	0.1706
78	30	70	633334	3500.01	DFT-s- OFDM 16 QAM	1@187	22.44	22.64	0.1837
78	30	70	633334	3500.01	DFT-s- OFDM 64 QAM	90@45	19.98	20.18	0.1042
78	30	70	633334	3500.01	DFT-s- OFDM 64 QAM	1@1	19.71	19.91	0.0979
78	30	70	633334	3500.01	DFT-s- OFDM 64 QAM	1@187	19.6	19.8	0.0955
78	30	70	633334	3500.01	DFT-s- OFDM 256 QAM	90@45	17.88	18.08	0.0643
78	30	70	633334	3500.01	DFT-s- OFDM 256 QAM	1@1	17.88	18.08	0.0643
78	30	70	633334	3500.01	DFT-s- OFDM 256 QAM	1@187	18.07	18.27	0.0671
78	30	70	633334	3500.01	CP-OFDM QPSK	95@47	20.82	21.02	0.1265
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	20.8	21	0.1259
78	30	70	633334	3500.01	CP-OFDM QPSK	1@187	21.01	21.21	0.1321
78	30	70	634332	3514.98	DFT-s- OFDM PI/2 BPSK	90@45	22.49	22.69	0.1858
78	30	70	634332	3514.98	DFT-s- OFDM PI/2 BPSK	1@1	22.28	22.48	0.1770
78	30	70	634332	3514.98	DFT-s- OFDM PI/2 BPSK	1@187	22.53	22.73	0.1875
78	30	70	634332	3514.98	DFT-s- OFDM QPSK	90@45	22.32	22.52	0.1786

78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	22.56	22.76	0.1888
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	22.37	22.57	0.1807
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	22.3	22.5	0.1778
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	22.54	22.74	0.1879
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	22.55	22.75	0.1884
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	19.83	20.03	0.1007
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	20.09	20.29	0.1069
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	19.97	20.17	0.1040
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	18.07	18.27	0.0671
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	17.93	18.13	0.0650
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	17.83	18.03	0.0635
78	30	70	634332	3514.98	CP-OFDM QPSK	95@47	20.9	21.1	0.1288
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	20.84	21.04	0.1271
78	30	70	634332	3514.98	CP-OFDM QPSK	1@187	21.06	21.26	0.1337
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	22.26	22.46	0.1762
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	22.18	22.38	0.1730
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	22.39	22.59	0.1816
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	22.38	22.58	0.1811
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	22.15	22.35	0.1718
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	22.22	22.42	0.1746
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	22.16	22.36	0.1722
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	22.06	22.26	0.1683
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	22.38	22.58	0.1811
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	19.85	20.05	0.1012

78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	19.65	19.85	0.0966
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	19.78	19.98	0.0995
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	17.74	17.94	0.0622
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	17.69	17.89	0.0615
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	17.94	18.14	0.0652
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	20.78	20.98	0.1253
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	20.7	20.9	0.1230
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	20.75	20.95	0.1245
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	22.34	22.54	0.1795
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.06	22.26	0.1683
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	22.49	22.69	0.1858
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	22.57	22.77	0.1892
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.02	22.22	0.1667
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	22.33	22.53	0.1791
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	22.64	22.84	0.1923
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.96	22.16	0.1644
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	22.38	22.58	0.1811
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	20.1	20.3	0.1072
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.67	19.87	0.0971
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	19.99	20.19	0.1045
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	17.95	18.15	0.0653
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.58	17.78	0.0600
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	17.98	18.18	0.0658
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	20.89	21.09	0.1285
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	20.67	20.87	0.1222

78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	20.98	21.18	0.1312
78	30	80	634000	3510	DFT-s- OFDM PI/2 BPSK	108@54	22.41	22.61	0.1824
78	30	80	634000	3510	DFT-s- OFDM PI/2 BPSK	1@1	22.3	22.5	0.1778
78	30	80	634000	3510	DFT-s- OFDM PI/2 BPSK	1@215	22.49	22.69	0.1858
78	30	80	634000	3510	DFT-s- OFDM QPSK	108@54	22.58	22.78	0.1897
78	30	80	634000	3510	DFT-s- OFDM QPSK	1@1	22.17	22.37	0.1726
78	30	80	634000	3510	DFT-s- OFDM QPSK	1@215	22.34	22.54	0.1795
78	30	80	634000	3510	DFT-s- OFDM 16 QAM	108@54	22.3	22.5	0.1778
78	30	80	634000	3510	DFT-s- OFDM 16 QAM	1@1	22.31	22.51	0.1782
78	30	80	634000	3510	DFT-s- OFDM 16 QAM	1@215	22.42	22.62	0.1828
78	30	80	634000	3510	DFT-s- OFDM 64 QAM	108@54	20.1	20.3	0.1072
78	30	80	634000	3510	DFT-s- OFDM 64 QAM	1@1	19.79	19.99	0.0998
78	30	80	634000	3510	DFT-s- OFDM 64 QAM	1@215	19.95	20.15	0.1035
78	30	80	634000	3510	DFT-s- OFDM 256 QAM	108@54	17.97	18.17	0.0656
78	30	80	634000	3510	DFT-s- OFDM 256 QAM	1@1	18.02	18.22	0.0664
78	30	80	634000	3510	DFT-s- OFDM 256 QAM	1@215	18.18	18.38	0.0689
78	30	80	634000	3510	CP-OFDM QPSK	109@54	20.91	21.11	0.1291
78	30	80	634000	3510	CP-OFDM QPSK	1@1	20.9	21.1	0.1288
78	30	80	634000	3510	CP-OFDM QPSK	1@215	20.92	21.12	0.1294
78	30	90	633000	3495	DFT-s- OFDM PI/2 BPSK	120@60	22.21	22.41	0.1742
78	30	90	633000	3495	DFT-s- OFDM PI/2 BPSK	1@1	22.23	22.43	0.1750
78	30	90	633000	3495	DFT-s- OFDM PI/2 BPSK	1@243	22.2	22.4	0.1738
78	30	90	633000	3495	DFT-s- OFDM QPSK	120@60	22.24	22.44	0.1754
78	30	90	633000	3495	DFT-s- OFDM QPSK	1@1	22	22.2	0.1660
78	30	90	633000	3495	DFT-s- OFDM	1@243	22.25	22.45	0.1758

QPSK									
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	22.5	22.7	0.1862
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	21.99	22.19	0.1656
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	22.27	22.47	0.1766
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	19.84	20.04	0.1009
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	19.41	19.61	0.0914
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	19.78	19.98	0.0995
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	17.91	18.11	0.0647
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	17.55	17.75	0.0596
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	17.8	18	0.0631
78	30	90	633000	3495	CP-OFDM QPSK	123@61	20.74	20.94	0.1242
78	30	90	633000	3495	CP-OFDM QPSK	1@1	20.72	20.92	0.1236
78	30	90	633000	3495	CP-OFDM QPSK	1@243	20.89	21.09	0.1285
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	22.4	22.6	0.1820
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.16	22.36	0.1722
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	22.31	22.51	0.1782
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	22.44	22.64	0.1837
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	22	22.2	0.1660
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	22.57	22.77	0.1892
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	22.5	22.7	0.1862
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.04	22.24	0.1675
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	22.21	22.41	0.1742
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	19.83	20.03	0.1007
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.71	19.91	0.0979
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	19.83	20.03	0.1007

QAM									
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	18	18.2	0.0661
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.76	17.96	0.0625
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	18.21	18.41	0.0693
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	20.93	21.13	0.1297
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	20.61	20.81	0.1205
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	20.79	20.99	0.1256
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	22.53	22.73	0.1875
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	22.23	22.43	0.1750
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	22.31	22.51	0.1782
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	22.55	22.75	0.1884
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	22.32	22.52	0.1786
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	22.36	22.56	0.1803
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	22.37	22.57	0.1807
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	22.12	22.32	0.1706
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	22.44	22.64	0.1837
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	20.11	20.31	0.1074
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	19.74	19.94	0.0986
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	20	20.2	0.1047
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	17.93	18.13	0.0650
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	17.82	18.02	0.0634
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	18.06	18.26	0.0670
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	21.05	21.25	0.1334
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	20.79	20.99	0.1256
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	20.91	21.11	0.1291

78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	22.4	22.6	0.1820
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.18	22.38	0.1730
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	22.5	22.7	0.1862
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	22.47	22.67	0.1849
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.23	22.43	0.1750
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	22.36	22.56	0.1803
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	22.51	22.71	0.1866
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.96	22.16	0.1644
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	22.5	22.7	0.1862
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	19.83	20.03	0.1007
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.56	19.76	0.0946
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	19.92	20.12	0.1028
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	17.98	18.18	0.0658
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.52	17.72	0.0592
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	17.91	18.11	0.0647
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.07	21.27	0.1340
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	20.57	20.77	0.1194
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	20.9	21.1	0.1288

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Note: Pre-scanned harmonic for the different antenna combinations for EN-DC mode, we choose the worst antenna mode to test.

Ant. 2+4:

EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM								
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	6918	-59.86	-13	-46.86	-70.34	2.76	13.24	H
	10374	-56.18	-13	-43.18	-65.77	3.42	13.01	H
	13824	-58.14	-13	-45.14	-67.75	3.83	13.44	H
	6918	-60.67	-13	-47.67	-71.11	2.80	13.24	V
	10374	-57.49	-13	-44.49	-67.04	3.46	13.01	V
	13824	-57.42	-13	-44.42	-66.98	3.88	13.44	V

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

EN-DC_4A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM								
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	-62.49	-13	-49.49	-72.97	2.76	13.24	H
	10368	-59.33	-13	-46.33	-68.92	3.42	13.01	H
	13818	-57.64	-13	-44.64	-67.25	3.83	13.44	H
	6912	-62.86	-13	-49.86	-73.30	2.80	13.24	V
	10368	-59.00	-13	-46.00	-68.55	3.46	13.01	V
	13818	-58.76	-13	-45.76	-68.32	3.88	13.44	V

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

EN-DC_7A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM								
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	-58.60	-13	-45.60	-68.19	3.42	13.01	H
	13818	-57.53	-13	-44.53	-67.14	3.83	13.44	H
	6912	-61.82	-13	-48.82	-72.26	2.80	13.24	V
	10368	-59.64	-13	-46.64	-69.19	3.46	13.01	V
	13818	-58.45	-13	-45.45	-68.01	3.88	13.44	V

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



EN-DC_38A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM								
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	-61.56	-13	-48.56	-72.04	2.76	13.24	H
	10368	-58.48	-13	-45.48	-68.07	3.42	13.01	H
	13818	-58.25	-13	-45.25	-67.86	3.83	13.44	H
	6912	-60.71	-13	-47.71	-71.15	2.80	13.24	V
	10368	-57.80	-13	-44.80	-67.35	3.46	13.01	V
	13818	-56.96	-13	-43.96	-66.52	3.88	13.44	V

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

EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM								
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	-60.96	-13	-47.96	-71.44	2.76	13.24	H
	10368	-58.71	-13	-45.71	-68.30	3.42	13.01	H
	13818	-58.11	-13	-45.11	-67.72	3.83	13.44	H
	6912	-59.71	-13	-46.71	-70.15	2.80	13.24	V
	10368	-57.61	-13	-44.61	-67.16	3.46	13.01	V
	13818	-56.73	-13	-43.73	-66.29	3.88	13.44	V

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

EN-DC_66A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM								
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	-62.68	-13	-49.68	-73.16	2.76	13.24	H
	10368	-58.37	-13	-45.37	-67.96	3.42	13.01	H
	13818	-58.57	-13	-45.57	-68.18	3.83	13.44	H
	6912	-61.75	-13	-48.75	-72.19	2.80	13.24	V
	10368	-59.57	-13	-46.57	-69.12	3.46	13.01	V
	13818	-58.87	-13	-45.87	-68.43	3.88	13.44	V

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



Ant. 1+4:

EN-DC_5A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM								
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	-62.71	-13	-49.71	-73.19	2.76	13.24	H
	10368	-59.42	-13	-46.42	-69.01	3.42	13.01	H
	13818	-58.36	-13	-45.36	-67.97	3.83	13.44	H
	6912	-62.63	-13	-49.63	-73.07	2.80	13.24	V
	10368	-59.77	-13	-46.77	-69.32	3.46	13.01	V
	13818	-58.59	-13	-45.59	-68.15	3.88	13.44	V

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