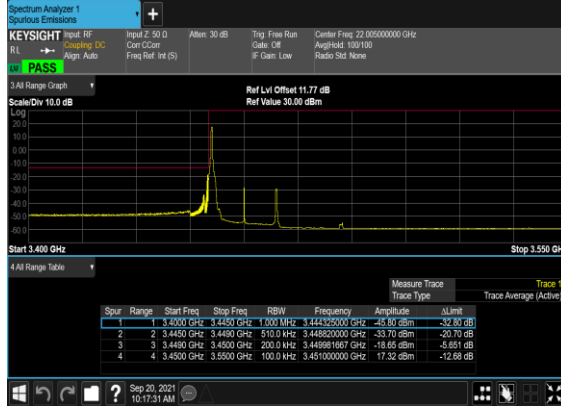
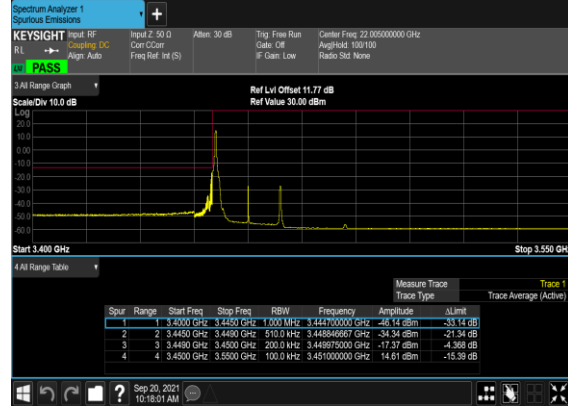


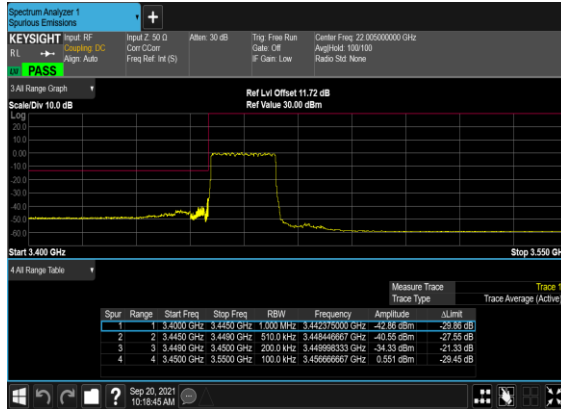
N77(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



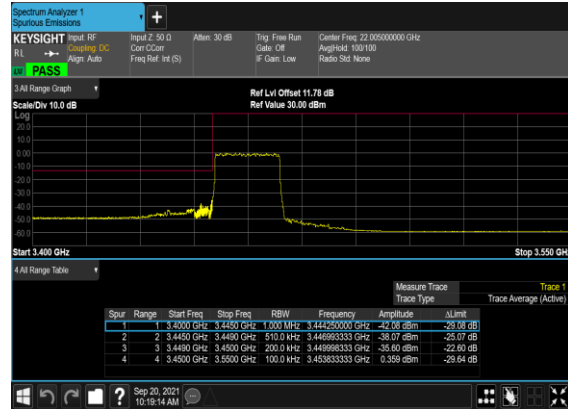
N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



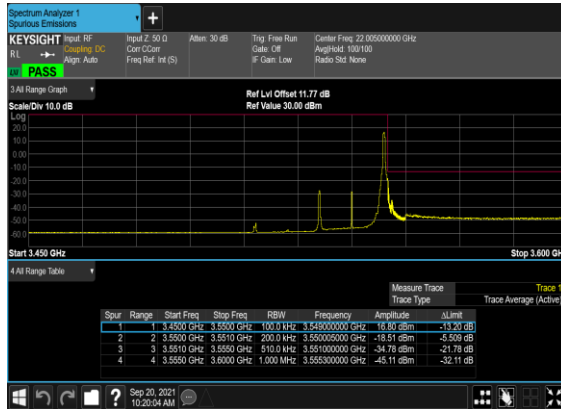
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OFDM_BPSK_Outer_Full_Low_CH



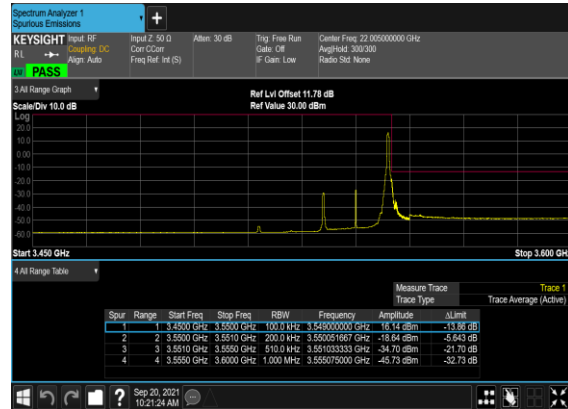
N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N77(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



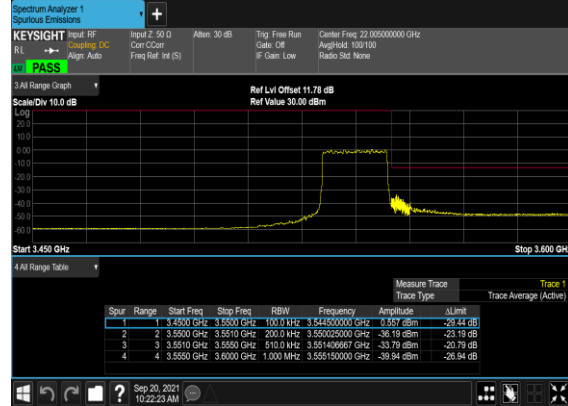
N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



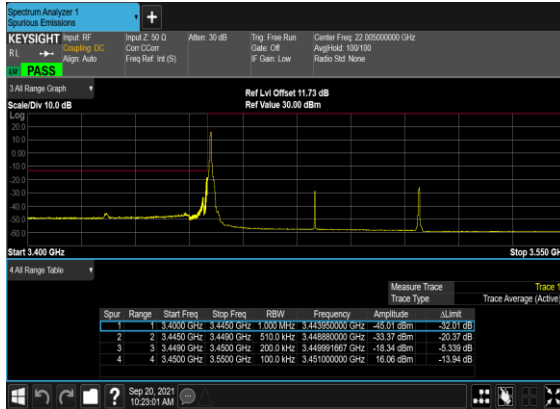
N77(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



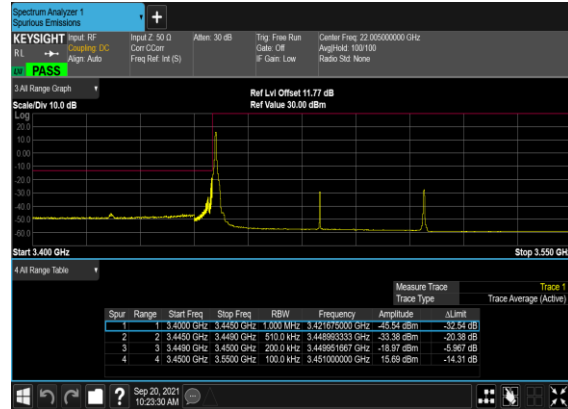
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OFDM_QPSK_Outer_Full_High_CH



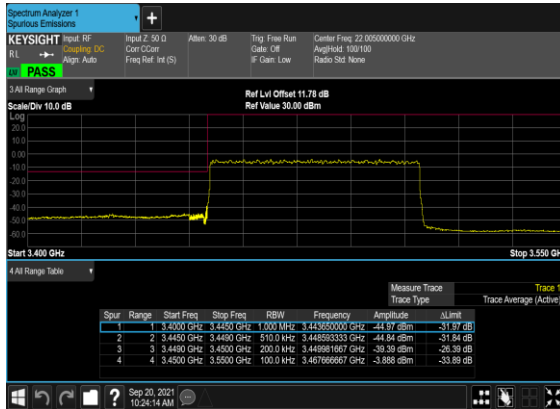
N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



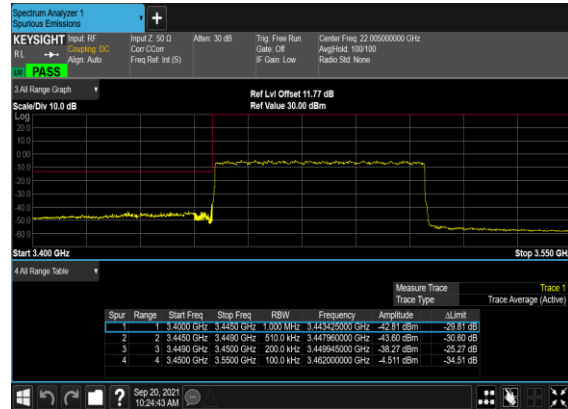
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OFDM_QPSK_Edge_1RB_Left_Low_CH



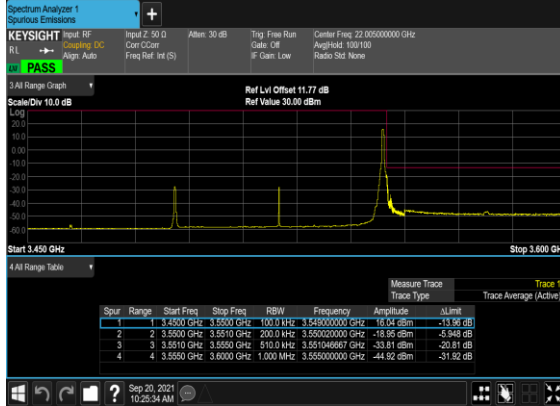
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OFDM_BPSK_Outer_Full_Low_CH



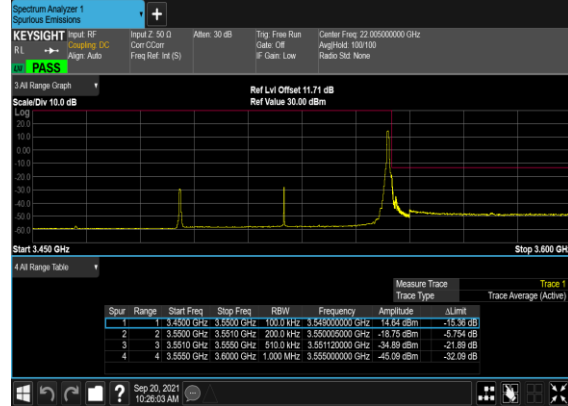
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OFDM_QPSK_Outer_Full_Low_CH



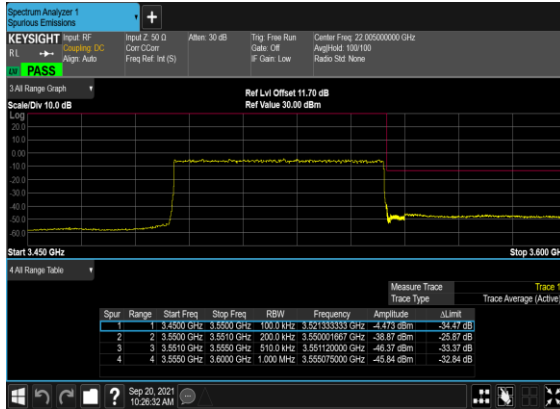
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OFDM_BPSK_Edge_1RB_Right_High_CH



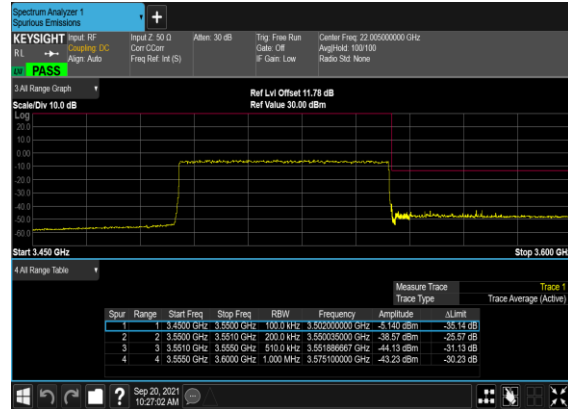
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OFDM_QPSK_Edge_1RB_Right_High_CH



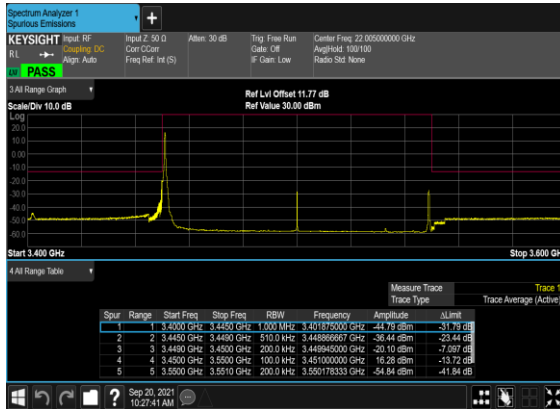
N77(60M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



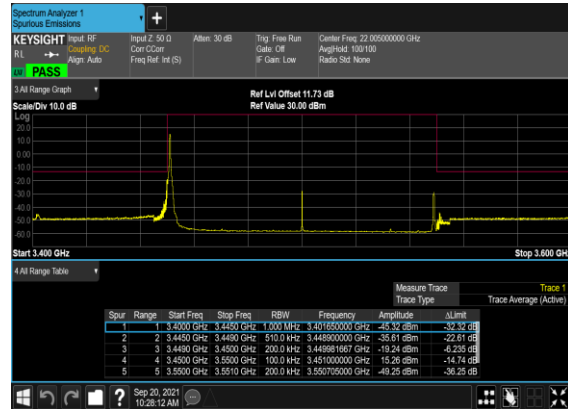
N77(60M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



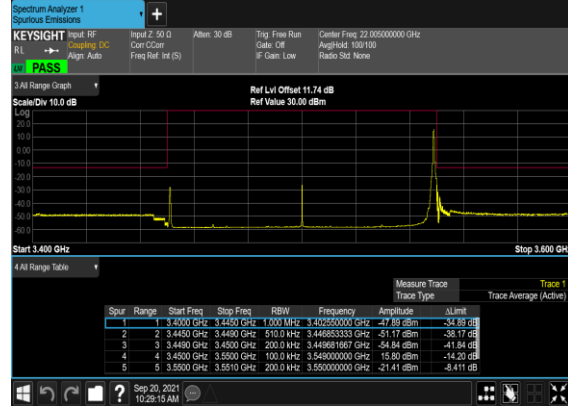
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



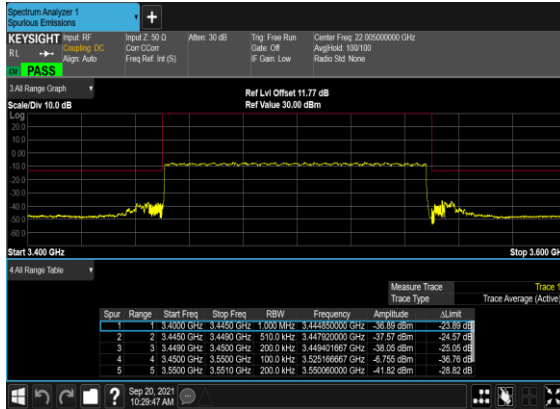
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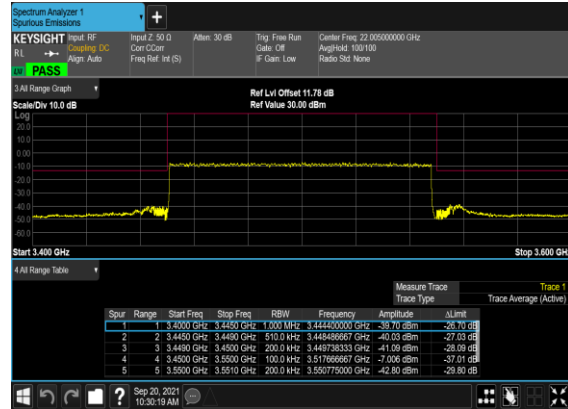
N77(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_Mid_CH



N77(100M)_DFT-s- OFDM_BPSK_Outer_Full_Mid_CH



N77(100M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



FR1 N78

Transmitter Conducted Output Power And ERP/EIRP

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	23.48	16.68	0.0466
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	23.5	16.7	0.0468
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	23.57	16.77	0.0475
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	23.34	16.54	0.0451
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	23.34	16.54	0.0451
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	23.53	16.73	0.0471
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	21.44	14.64	0.0291
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	21.33	14.53	0.0284
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	21.3	14.5	0.0282
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	20.01	13.21	0.0209
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	19.77	12.97	0.0198
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	19.82	13.02	0.0200
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	17.94	11.14	0.0130
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	17.97	11.17	0.0131
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	17.93	11.13	0.0130
78	30	20	630668	3460.02	CP-OFDM QPSK	25@12	20.92	14.12	0.0258
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	21.01	14.21	0.0264
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	21.01	14.21	0.0264
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	23.64	16.84	0.0483
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.54	16.74	0.0472

78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	23.61	16.81	0.0480
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	23.59	16.79	0.0478
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.69	16.89	0.0489
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	23.5	16.7	0.0468
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	21.64	14.84	0.0305
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.56	14.76	0.0299
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	21.81	15.01	0.0317
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	20.14	13.34	0.0216
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.11	13.31	0.0214
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	20.1	13.3	0.0214
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	18.08	11.28	0.0134
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.22	11.42	0.0139
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	18.02	11.22	0.0132
78	30	20	633334	3500.01	CP-OFDM QPSK	25@12	21.1	14.3	0.0269
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	21.04	14.24	0.0265
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	21.22	14.42	0.0277
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	23.71	16.91	0.0491
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	23.81	17.01	0.0502
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	23.9	17.1	0.0513
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	23.71	16.91	0.0491
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	23.86	17.06	0.0508
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	23.8	17	0.0501
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	21.73	14.93	0.0311
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	21.52	14.72	0.0296

					QAM				
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	21.93	15.13	0.0326
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	20.33	13.53	0.0225
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	20.31	13.51	0.0224
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	20.34	13.54	0.0226
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	18.25	11.45	0.0140
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	18.13	11.33	0.0136
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	18.16	11.36	0.0137
78	30	20	636000	3540	CP-OFDM QPSK	25@12	21.22	14.42	0.0277
78	30	20	636000	3540	CP-OFDM QPSK	1@1	21.23	14.43	0.0277
78	30	20	636000	3540	CP-OFDM QPSK	1@49	21.4	14.6	0.0288
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	23.35	16.55	0.0452
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	23.52	16.72	0.0470
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	23.35	16.55	0.0452
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	23.52	16.72	0.0470
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	23.47	16.67	0.0465
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	23.55	16.75	0.0473
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	21.18	14.38	0.0274
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	21.47	14.67	0.0293
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	21.4	14.6	0.0288
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	20.05	13.25	0.0211
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	20.05	13.25	0.0211
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	19.87	13.07	0.0203
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	18.02	11.22	0.0132

78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	18.03	11.23	0.0133
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	17.9	11.1	0.0129
78	30	30	631000	3465	CP-OFDM QPSK	39@19	21.02	14.22	0.0264
78	30	30	631000	3465	CP-OFDM QPSK	1@1	21.13	14.33	0.0271
78	30	30	631000	3465	CP-OFDM QPSK	1@76	20.87	14.07	0.0255
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	23.67	16.87	0.0486
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.62	16.82	0.0481
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	23.54	16.74	0.0472
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	23.53	16.73	0.0471
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.71	16.91	0.0491
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	23.62	16.82	0.0481
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	21.53	14.73	0.0297
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.56	14.76	0.0299
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	21.42	14.62	0.0290
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	20.05	13.25	0.0211
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.02	13.22	0.0210
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	19.93	13.13	0.0206
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	18.04	11.24	0.0133
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.08	11.28	0.0134
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	17.92	11.12	0.0129
78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	21.06	14.26	0.0267
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	21.08	14.28	0.0268
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	20.85	14.05	0.0254
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	23.81	17.01	0.0502

78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	23.87	17.07	0.0509
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	23.75	16.95	0.0495
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	23.56	16.76	0.0474
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.7	16.9	0.0490
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	23.65	16.85	0.0484
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	21.45	14.65	0.0292
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	21.77	14.97	0.0314
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	21.74	14.94	0.0312
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	20.26	13.46	0.0222
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	20.18	13.38	0.0218
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	20.19	13.39	0.0218
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	18.24	11.44	0.0139
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	18.24	11.44	0.0139
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	18.29	11.49	0.0141
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	21.31	14.51	0.0282
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	21.34	14.54	0.0284
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	21.34	14.54	0.0284
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	23.4	16.6	0.0457
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	23.46	16.66	0.0463
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	23.43	16.63	0.0460
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	23.52	16.72	0.0470
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	23.59	16.79	0.0478
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	23.55	16.75	0.0473
78	30	40	631334	3470.01	DFT-s-OFDM 16	50@25	21.43	14.63	0.0290

QAM									
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	21.57	14.77	0.0300
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	21.61	14.81	0.0303
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	20.08	13.28	0.0213
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	20.07	13.27	0.0212
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	19.97	13.17	0.0207
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	18.07	11.27	0.0134
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	18.07	11.27	0.0134
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	18.01	11.21	0.0132
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	21.02	14.22	0.0264
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	21.23	14.43	0.0277
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	21.24	14.44	0.0278
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	23.51	16.71	0.0469
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.54	16.74	0.0472
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	23.77	16.97	0.0498
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	23.65	16.85	0.0484
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.55	16.75	0.0473
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	23.63	16.83	0.0482
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	21.63	14.83	0.0304
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.59	14.79	0.0301
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	21.63	14.83	0.0304
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	20.15	13.35	0.0216
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.03	13.23	0.0210
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	20.11	13.31	0.0214

78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	18.12	11.32	0.0136
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.17	11.37	0.0137
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	18.2	11.4	0.0138
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	21.17	14.37	0.0274
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	21.19	14.39	0.0275
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	21.08	14.28	0.0268
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	23.66	16.86	0.0485
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	23.85	17.05	0.0507
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	23.74	16.94	0.0494
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	23.78	16.98	0.0499
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	23.85	17.05	0.0507
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	23.66	16.86	0.0485
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	21.73	14.93	0.0311
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	21.85	15.05	0.0320
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	21.76	14.96	0.0313
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	20.24	13.44	0.0221
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	20.06	13.26	0.0212
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	20.32	13.52	0.0225
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	18.17	11.37	0.0137
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	18.2	11.4	0.0138
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	18.19	11.39	0.0138
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	21.25	14.45	0.0279
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	21.42	14.62	0.0290
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	21.38	14.58	0.0287

78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	23.43	16.63	0.0460
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	23.29	16.49	0.0446
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	23.42	16.62	0.0459
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	23.23	16.43	0.0440
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	23.06	16.26	0.0423
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	23.19	16.39	0.0436
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	21.23	14.43	0.0277
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	21.25	14.45	0.0279
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	21.19	14.39	0.0275
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	19.95	13.15	0.0207
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	19.7	12.9	0.0195
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	19.7	12.9	0.0195
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	17.88	11.08	0.0128
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	17.82	11.02	0.0126
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	17.72	10.92	0.0124
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	20.95	14.15	0.0260
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	20.81	14.01	0.0252
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	20.86	14.06	0.0255
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	23.48	16.68	0.0466
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.32	16.52	0.0449
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	23.48	16.68	0.0466
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	23.51	16.71	0.0469
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.37	16.57	0.0454
78	30	50	633334	3500.01	DFT-s-OFDM	1@131	19.27	12.47	0.0177

QPSK									
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	21.4	14.6	0.0288
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.09	14.29	0.0269
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	21.1	14.3	0.0269
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	19.91	13.11	0.0205
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.81	13.01	0.0200
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	19.87	13.07	0.0203
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	17.95	11.15	0.0130
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.88	11.08	0.0128
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	17.89	11.09	0.0129
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	20.97	14.17	0.0261
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	20.68	13.88	0.0244
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	20.87	14.07	0.0255
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	23.46	16.66	0.0463
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	23.4	16.6	0.0457
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	23.35	16.55	0.0452
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	23.47	16.67	0.0465
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	23.25	16.45	0.0442
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	22.8	16	0.0398
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	21.2	14.4	0.0275
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	21.42	14.62	0.0290
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	21.34	14.54	0.0284
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	20.05	13.25	0.0211
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	19.88	13.08	0.0203

78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	19.84	13.04	0.0201
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	18.03	11.23	0.0133
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	17.85	11.05	0.0127
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	17.95	11.15	0.0130
78	30	50	635000	3525	CP-OFDM QPSK	67@33	20.99	14.19	0.0262
78	30	50	635000	3525	CP-OFDM QPSK	1@1	20.93	14.13	0.0259
78	30	50	635000	3525	CP-OFDM QPSK	1@131	20.98	14.18	0.0262
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	23.43	16.63	0.0460
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	23.44	16.64	0.0461
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	23.33	16.53	0.0450
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	23.41	16.61	0.0458
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	23.42	16.62	0.0459
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	23.24	16.44	0.0441
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	21.44	14.64	0.0291
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	21.34	14.54	0.0284
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	21.29	14.49	0.0281
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	19.81	13.01	0.0200
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	19.84	13.04	0.0201
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	19.74	12.94	0.0197
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	17.87	11.07	0.0128
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	17.77	10.97	0.0125
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	17.84	11.04	0.0127
78	30	60	632000	3480	CP-OFDM QPSK	81@40	20.92	14.12	0.0258
78	30	60	632000	3480	CP-OFDM QPSK	1@1	21.03	14.23	0.0265

78	30	60	632000	3480	CP-OFDM QPSK	1@160	20.89	14.09	0.0256
78	30	60	633334	3500.01	DFT-s- OFDM PI/2 BPSK	81@40	23.51	16.71	0.0469
78	30	60	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	23.52	16.72	0.0470
78	30	60	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@160	23.25	16.45	0.0442
78	30	60	633334	3500.01	DFT-s- OFDM QPSK	81@40	23.37	16.57	0.0454
78	30	60	633334	3500.01	DFT-s- OFDM QPSK	1@1	23.31	16.51	0.0448
78	30	60	633334	3500.01	DFT-s- OFDM QPSK	1@160	23.25	16.45	0.0442
78	30	60	633334	3500.01	DFT-s- OFDM 16 QAM	81@40	21.45	14.65	0.0292
78	30	60	633334	3500.01	DFT-s- OFDM 16 QAM	1@1	21.24	14.44	0.0278
78	30	60	633334	3500.01	DFT-s- OFDM 16 QAM	1@160	21.19	14.39	0.0275
78	30	60	633334	3500.01	DFT-s- OFDM 64 QAM	81@40	19.89	13.09	0.0204
78	30	60	633334	3500.01	DFT-s- OFDM 64 QAM	1@1	19.69	12.89	0.0195
78	30	60	633334	3500.01	DFT-s- OFDM 64 QAM	1@160	19.76	12.96	0.0198
78	30	60	633334	3500.01	DFT-s- OFDM 256 QAM	81@40	17.94	11.14	0.0130
78	30	60	633334	3500.01	DFT-s- OFDM 256 QAM	1@1	17.86	11.06	0.0128
78	30	60	633334	3500.01	DFT-s- OFDM 256 QAM	1@160	17.87	11.07	0.0128
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	20.94	14.14	0.0259
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	20.92	14.12	0.0258
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	20.85	14.05	0.0254
78	30	60	634666	3519.99	DFT-s- OFDM PI/2 BPSK	81@40	23.47	16.67	0.0465
78	30	60	634666	3519.99	DFT-s- OFDM PI/2 BPSK	1@1	23.59	16.79	0.0478
78	30	60	634666	3519.99	DFT-s- OFDM PI/2 BPSK	1@160	23.44	16.64	0.0461
78	30	60	634666	3519.99	DFT-s- OFDM QPSK	81@40	23.46	16.66	0.0463
78	30	60	634666	3519.99	DFT-s- OFDM QPSK	1@1	23.5	16.7	0.0468

78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	16.44	9.64	0.0092
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	21.41	14.61	0.0289
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	21.29	14.49	0.0281
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	21.33	14.53	0.0284
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	19.86	13.06	0.0202
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	19.85	13.05	0.0202
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	19.73	12.93	0.0196
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	17.96	11.16	0.0131
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	17.82	11.02	0.0126
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	17.86	11.06	0.0128
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	20.92	14.12	0.0258
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	20.96	14.16	0.0261
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	20.76	13.96	0.0249
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	23.31	16.51	0.0448
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	23.27	16.47	0.0444
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	23.19	16.39	0.0436
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	23.2	16.4	0.0437
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	23.25	16.45	0.0442
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	23.31	16.51	0.0448
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	21.43	14.63	0.0290
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	21.33	14.53	0.0284
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	21.23	14.43	0.0277
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	19.75	12.95	0.0197
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	19.73	12.93	0.0196

QAM									
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	19.62	12.82	0.0191
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	17.79	10.99	0.0126
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	17.78	10.98	0.0125
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	17.79	10.99	0.0126
78	30	70	632334	3485.01	CP-OFDM QPSK	95@47	20.74	13.94	0.0248
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	20.75	13.95	0.0248
78	30	70	632334	3485.01	CP-OFDM QPSK	1@187	20.67	13.87	0.0244
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	23.39	16.59	0.0456
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.2	16.4	0.0437
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	23.16	16.36	0.0433
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	23.26	16.46	0.0443
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.2	16.4	0.0437
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	23.18	16.38	0.0435
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	21.22	14.42	0.0277
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.14	14.34	0.0272
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	21.2	14.4	0.0275
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	19.86	13.06	0.0202
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.71	12.91	0.0195
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	19.72	12.92	0.0196
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	17.86	11.06	0.0128
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.91	11.11	0.0129
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	17.55	10.75	0.0119
78	30	70	633334	3500.01	CP-OFDM QPSK	95@47	20.74	13.94	0.0248

78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	20.78	13.98	0.0250
78	30	70	633334	3500.01	CP-OFDM QPSK	1@187	20.66	13.86	0.0243
78	30	70	634332	3514.98	DFT-s- OFDM PI/2 BPSK	90@45	23.47	16.67	0.0465
78	30	70	634332	3514.98	DFT-s- OFDM PI/2 BPSK	1@1	23.35	16.55	0.0452
78	30	70	634332	3514.98	DFT-s- OFDM PI/2 BPSK	1@187	23.23	16.43	0.0440
78	30	70	634332	3514.98	DFT-s- OFDM QPSK	90@45	23.35	16.55	0.0452
78	30	70	634332	3514.98	DFT-s- OFDM QPSK	1@1	23.34	16.54	0.0451
78	30	70	634332	3514.98	DFT-s- OFDM QPSK	1@187	23.13	16.33	0.0430
78	30	70	634332	3514.98	DFT-s- OFDM 16 QAM	90@45	21.37	14.57	0.0286
78	30	70	634332	3514.98	DFT-s- OFDM 16 QAM	1@1	21.32	14.52	0.0283
78	30	70	634332	3514.98	DFT-s- OFDM 16 QAM	1@187	21.28	14.48	0.0281
78	30	70	634332	3514.98	DFT-s- OFDM 64 QAM	90@45	19.95	13.15	0.0207
78	30	70	634332	3514.98	DFT-s- OFDM 64 QAM	1@1	20	13.2	0.0209
78	30	70	634332	3514.98	DFT-s- OFDM 64 QAM	1@187	19.83	13.03	0.0201
78	30	70	634332	3514.98	DFT-s- OFDM 256 QAM	90@45	17.82	11.02	0.0126
78	30	70	634332	3514.98	DFT-s- OFDM 256 QAM	1@1	17.76	10.96	0.0125
78	30	70	634332	3514.98	DFT-s- OFDM 256 QAM	1@187	17.72	10.92	0.0124
78	30	70	634332	3514.98	CP-OFDM QPSK	95@47	20.83	14.03	0.0253
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	20.88	14.08	0.0256
78	30	70	634332	3514.98	CP-OFDM QPSK	1@187	20.66	13.86	0.0243
78	30	80	632668	3490.02	DFT-s- OFDM PI/2 BPSK	108@54	23.28	16.48	0.0445
78	30	80	632668	3490.02	DFT-s- OFDM PI/2 BPSK	1@1	23.17	16.37	0.0434
78	30	80	632668	3490.02	DFT-s- OFDM PI/2 BPSK	1@215	23.1	16.3	0.0427
78	30	80	632668	3490.02	DFT-s- OFDM QPSK	108@54	23.25	16.45	0.0442

78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	23.22	16.42	0.0439
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	23.08	16.28	0.0425
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	21.46	14.66	0.0292
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	21.09	14.29	0.0269
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	21.14	14.34	0.0272
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	19.74	12.94	0.0197
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	19.54	12.74	0.0188
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	19.85	13.05	0.0202
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	17.74	10.94	0.0124
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	17.62	10.82	0.0121
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	17.73	10.93	0.0124
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	20.68	13.88	0.0244
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	20.53	13.73	0.0236
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	20.67	13.87	0.0244
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	23.26	16.46	0.0443
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.12	16.32	0.0429
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	23.18	16.38	0.0435
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	23.37	16.57	0.0454
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.2	16.4	0.0437
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	19.21	12.41	0.0174
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	21.3	14.5	0.0282
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.22	14.42	0.0277
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	21.01	14.21	0.0264
78	30	80	633334	3500.01	DFT-s-OFDM 64	108@54	19.76	12.96	0.0198

QAM									
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.59	12.79	0.0190
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	19.59	12.79	0.0190
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	17.87	11.07	0.0128
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.63	10.83	0.0121
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	17.55	10.75	0.0119
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	20.78	13.98	0.0250
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	20.74	13.94	0.0248
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	20.52	13.72	0.0236
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	23.47	16.67	0.0465
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	23.19	16.39	0.0436
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	23.2	16.4	0.0437
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	23.28	16.48	0.0445
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	23.24	16.44	0.0441
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	22.29	15.49	0.0354
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	21.43	14.63	0.0290
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	21.21	14.41	0.0276
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	21.19	14.39	0.0275
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	19.92	13.12	0.0205
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	19.64	12.84	0.0192
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	19.68	12.88	0.0194
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	17.84	11.04	0.0127
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	17.68	10.88	0.0122
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	17.6	10.8	0.0120

78	30	80	634000	3510	CP-OFDM QPSK	109@54	20.85	14.05	0.0254
78	30	80	634000	3510	CP-OFDM QPSK	1@1	20.74	13.94	0.0248
78	30	80	634000	3510	CP-OFDM QPSK	1@215	20.84	14.04	0.0254
78	30	90	633000	3495	DFT-s- OFDM PI/2 BPSK	120@60	23.27	16.47	0.0444
78	30	90	633000	3495	DFT-s- OFDM PI/2 BPSK	1@1	23.2	16.4	0.0437
78	30	90	633000	3495	DFT-s- OFDM PI/2 BPSK	1@243	23.27	16.47	0.0444
78	30	90	633000	3495	DFT-s- OFDM QPSK	120@60	23.19	16.39	0.0436
78	30	90	633000	3495	DFT-s- OFDM QPSK	1@1	23.22	16.42	0.0439
78	30	90	633000	3495	DFT-s- OFDM QPSK	1@243	23.19	16.39	0.0436
78	30	90	633000	3495	DFT-s- OFDM 16 QAM	120@60	21.42	14.62	0.0290
78	30	90	633000	3495	DFT-s- OFDM 16 QAM	1@1	21.09	14.29	0.0269
78	30	90	633000	3495	DFT-s- OFDM 16 QAM	1@243	21.18	14.38	0.0274
78	30	90	633000	3495	DFT-s- OFDM 64 QAM	120@60	19.74	12.94	0.0197
78	30	90	633000	3495	DFT-s- OFDM 64 QAM	1@1	19.78	12.98	0.0199
78	30	90	633000	3495	DFT-s- OFDM 64 QAM	1@243	19.59	12.79	0.0190
78	30	90	633000	3495	DFT-s- OFDM 256 QAM	120@60	17.82	11.02	0.0126
78	30	90	633000	3495	DFT-s- OFDM 256 QAM	1@1	17.55	10.75	0.0119
78	30	90	633000	3495	DFT-s- OFDM 256 QAM	1@243	17.49	10.69	0.0117
78	30	90	633000	3495	CP-OFDM QPSK	123@61	20.77	13.97	0.0249
78	30	90	633000	3495	CP-OFDM QPSK	1@1	20.68	13.88	0.0244
78	30	90	633000	3495	CP-OFDM QPSK	1@243	20.63	13.83	0.0242
78	30	90	633334	3500.01	DFT-s- OFDM PI/2 BPSK	120@60	23.28	16.48	0.0445
78	30	90	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	23.02	16.22	0.0419
78	30	90	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@243	23.12	16.32	0.0429

78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	23.37	16.57	0.0454
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.09	16.29	0.0426
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	21.68	14.88	0.0308
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	21.53	14.73	0.0297
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.28	14.48	0.0281
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	21.25	14.45	0.0279
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	19.87	13.07	0.0203
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.6	12.8	0.0191
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	19.79	12.99	0.0199
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	17.85	11.05	0.0127
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.56	10.76	0.0119
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	17.6	10.8	0.0120
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	20.89	14.09	0.0256
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	20.65	13.85	0.0243
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	20.72	13.92	0.0247
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	23.28	16.48	0.0445
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	23.25	16.45	0.0442
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	23.15	16.35	0.0432
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	23.41	16.61	0.0458
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	23.2	16.4	0.0437
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	23.35	16.55	0.0452
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	21.13	14.33	0.0271
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	21.12	14.32	0.0270
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	21.18	14.38	0.0274

QAM									
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	19.81	13.01	0.0200
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	19.61	12.81	0.0191
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	19.64	12.84	0.0192
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	17.81	11.01	0.0126
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	17.62	10.82	0.0121
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	17.65	10.85	0.0122
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	20.8	14	0.0251
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	20.69	13.89	0.0245
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	20.68	13.88	0.0244
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	23.38	16.58	0.0455
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.14	16.34	0.0431
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	23.25	16.45	0.0442
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	23.3	16.5	0.0447
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.13	16.33	0.0430
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	23.23	16.43	0.0440
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	21.33	14.53	0.0284
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.14	14.34	0.0272
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	21.2	14.4	0.0275
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	19.87	13.07	0.0203
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.61	12.81	0.0191
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	19.66	12.86	0.0193
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	17.86	11.06	0.0128
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.75	10.95	0.0124

78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	17.8	11	0.0126
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	20.86	14.06	0.0255
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	20.64	13.84	0.0242
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	20.71	13.91	0.0246

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.

SA n77 / NR 100MHz / QPSK DFT-s-OFDM / ANT4(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6906	-62.66	-13	-49.66	-73.14	2.76	13.24	H
	10362	-59.65	-13	-46.65	-69.24	3.42	13.01	H
	13824	-58.22	-13	-45.22	-67.83	3.83	13.44	H
	6906	-58.66	-13	-45.66	-69.10	2.80	13.24	V
	10362	-59.92	-13	-46.92	-69.47	3.46	13.01	V
	13824	-58.08	-13	-45.08	-67.64	3.88	13.44	V

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

SA n78 / NR 100MHz / QPSK DFT-s-OFDM / ANT4(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6900	-62.80	-13	-49.80	-73.28	2.76	13.24	H
	10368	-59.45	-13	-46.45	-69.04	3.42	13.01	H
	13818	-57.56	-13	-44.56	-67.17	3.83	13.44	H
	6900	-59.86	-13	-46.86	-70.30	2.80	13.24	V
	10368	-59.82	-13	-46.82	-69.37	3.46	13.01	V
	13818	-58.90	-13	-45.90	-68.46	3.88	13.44	V

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

EN-DC_5A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT4(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-61.92	-13	-48.92	-72.40	2.76	13.24	H
	10368	-58.35	-13	-45.35	-67.94	3.42	13.01	H
	13818	-58.53	-13	-45.53	-68.14	3.83	13.44	H
	6912	-61.93	-13	-48.93	-72.37	2.80	13.24	V
	10368	-59.92	-13	-46.92	-69.47	3.46	13.01	V
	13818	-58.88	-13	-45.88	-68.44	3.88	13.44	V

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

EN-DC_7A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT4(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6900	-61.62	-13	-48.62	-72.10	2.76	13.24	H
	10368	-59.66	-13	-46.66	-69.25	3.42	13.01	H
	13818	-58.67	-13	-45.67	-68.28	3.83	13.44	H
	6900	-59.56	-13	-46.56	-70.00	2.80	13.24	V
	10368	-58.84	-13	-45.84	-68.39	3.46	13.01	V
	13818	-59.04	-13	-46.04	-68.60	3.88	13.44	V

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

EN-DC_38A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT4(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6900	-62.61	-13	-49.61	-73.09	2.76	13.24	H
	10368	-59.57	-13	-46.57	-69.16	3.42	13.01	H
	13818	-57.38	-13	-44.38	-66.99	3.83	13.44	H
	6900	-58.44	-13	-45.44	-68.88	2.80	13.24	V
	10368	-60.19	-13	-47.19	-69.74	3.46	13.01	V
	13818	-58.66	-13	-45.66	-68.22	3.88	13.44	V

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