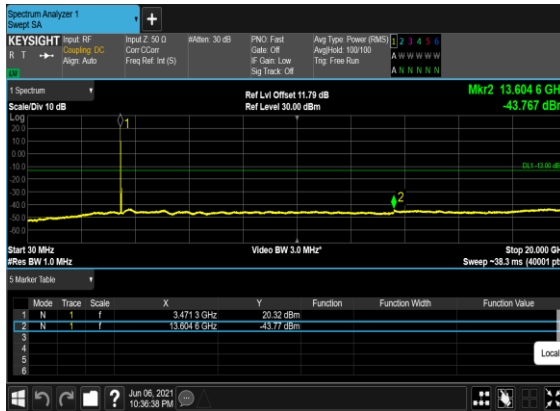


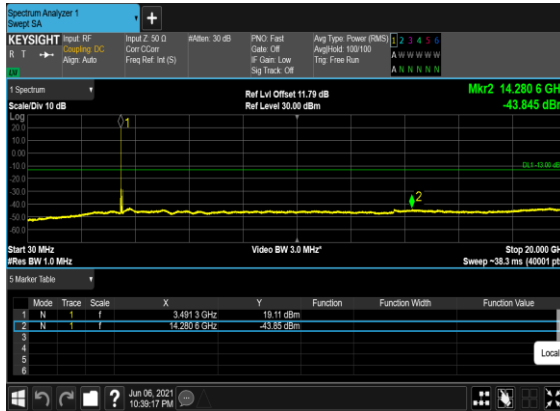
B2_N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



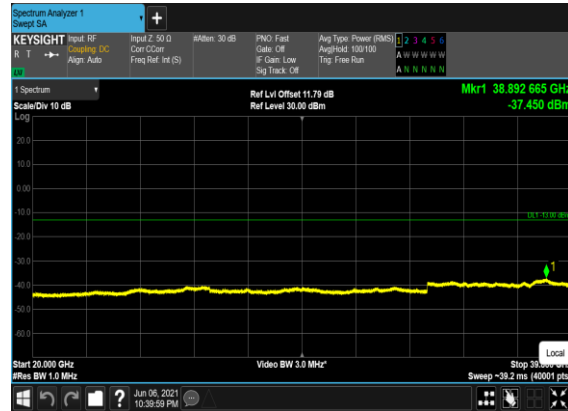
B2_N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



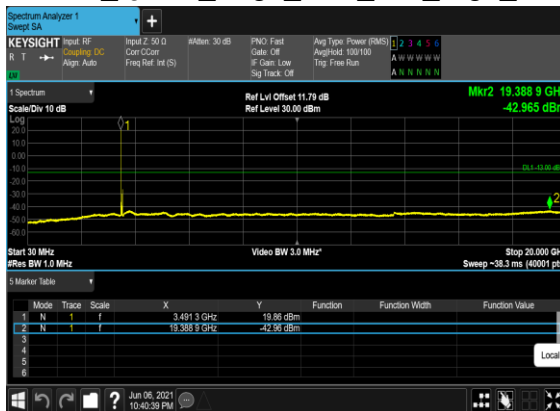
B2_N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



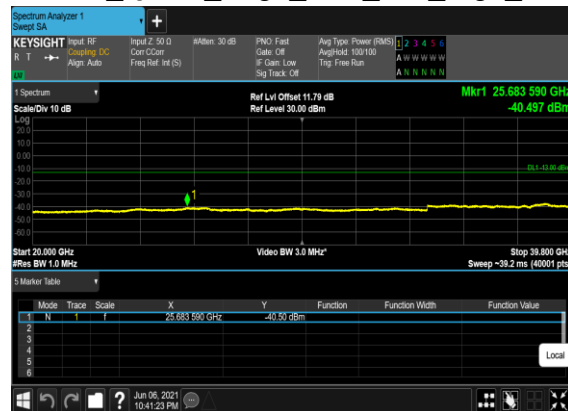
B2_N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



B2_N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



B2_N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



Spectrum Analyzer 1
Sweep SA

KEYSTONE Input RF: Creating DC, Align: Auto
Input Z: 50 Ω, Corr CCOn, Freq Ref: Int (S)
Watten: 30 dB, PNC: Fast, Gate: Off, # Cells: Off, Sig Track: Off
Avg Type: Power (RMS), AvgHold: 100/100, Trig: Free Run
A W W W W W
1 2 3 4 5 6
A W W W W W
N N N N N N

Spectrum
Scale Div 10 dB
Ref Lvl Offset 11.79 dB
Ref Level 30.00 dBm
Mkr2 13.6061 GHz
-44.018 dBm
-44.018 dBm
Video BW 1.0 MHz*
Stop 20.00 GHz
Sweep -38.3 ms 140001 pps
Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f				
2	N	1	f				
			3.4514 GHz	-12.58 dBm			
			13.6061 GHz	-44.02 dBm			
3							
4							
5							
6							

Sun 16, 2021
11:22:59 AM

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input: RF **Channeling DC**
R T → Auto Auto
Align: Auto

Input Z: 50 Ω
Cov C: Cart
Freq Ref: 1st (S)

Attenu: 30 dB

Pho Fast
Gate: Off
S: Gain Low
Sig Track: Off

Avg Type: Power (RMS)
Avehold: 100/100
Trig: Free Run

1 2 3 4 5 6
A W W W W W
A N N N N N

f Spectrum
Scale/Div: 10 dB
Log
20
10
0
-10
-20
-30
-40
-50
-60

Ref Lvl Offset: 11.75 dBm
Ref Level: 30.00 dBm

Mmr1 26.272 640 GHz
-40.582 dBm

26.272640 GHz

Start: 20.000 GHz
#Res: BW 1.0 MHz

Video BW: 1.0 MHz

Stop: 30.000 GHz
Sweep: -39.2 ms (40001 pts)

Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	F	26.272640 GHz	-40.58 dBm		
2							
3							
4							
5							
6							

Local

Jun 16, 2021
11:23:41 AM

[illegible]

Keysight Spectrum Analyzer 1 Sweep SA

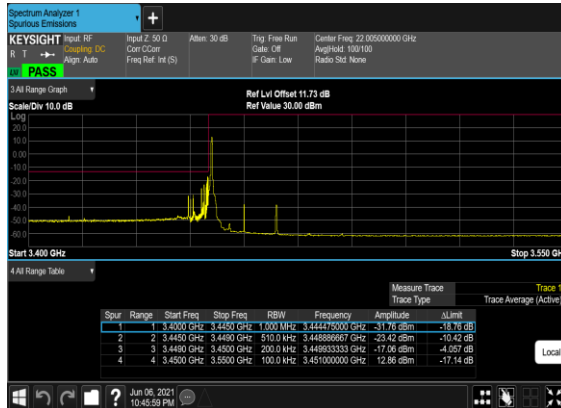
KEYSIGHT Input: RF, Output: DC, Auto, Input Z: 50.0, Core: C, Freq Ref: 1st (S), Attenu: 30.0 dB, PNO: Fast, Gate: Off, F: On, Low Sig: Track: Off, Avg Type: Power (RMS), Averages: 100/100, Trig: Free Run, **1 2 3 4 5 6**, A W W W W W, A N N N N N

1 Spectrum
Scale/Div: 10 dB
Log
20 dB
10 dB
0 dB
-10 dB
-20 dB
-30 dB
-40 dB
-50 dB
-60 dB
-70 dB
-80 dB
-90 dB
-100 dB
-110 dB
-120 dB
-130 dB
-140 dB
-150 dB
-160 dB
-170 dB
-180 dB
-190 dB
-200 dB
-210 dB
-220 dB
-230 dB
-240 dB
-250 dB
-260 dB
-270 dB
-280 dB
-290 dB
-300 dB
-310 dB
-320 dB
-330 dB
-340 dB
-350 dB
-360 dB
-370 dB
-380 dB
-390 dB
-400 dB
-410 dB
-420 dB
-430 dB
-440 dB
-450 dB
-460 dB
-470 dB
-480 dB
-490 dB
-500 dB
-510 dB
-520 dB
-530 dB
-540 dB
-550 dB
-560 dB
-570 dB
-580 dB
-590 dB
-600 dB
-610 dB
-620 dB
-630 dB
-640 dB
-650 dB
-660 dB
-670 dB
-680 dB
-690 dB
-700 dB
-710 dB
-720 dB
-730 dB
-740 dB
-750 dB
-760 dB
-770 dB
-780 dB
-790 dB
-800 dB
-810 dB
-820 dB
-830 dB
-840 dB
-850 dB
-860 dB
-870 dB
-880 dB
-890 dB
-900 dB
-910 dB
-920 dB
-930 dB
-940 dB
-950 dB
-960 dB
-970 dB
-980 dB
-990 dB
-1000 dB
-1010 dB
-1020 dB
-1030 dB
-1040 dB
-1050 dB
-1060 dB
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-1080 dB
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-1500 dB
-1510 dB
-1520 dB
-1530 dB
-1540 dB
-1550 dB
-1560 dB
-1570 dB
-1580 dB
-1590 dB
-1600 dB
-1610 dB
-1620 dB
-1630 dB
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-1880 dB
-1890 dB
-1900 dB
-1910 dB
-1920 dB
-1930 dB
-1940 dB
-1950 dB
-1960 dB
-1970 dB
-1980 dB
-1990 dB
-2000 dB
-2010 dB
-2020 dB
-2030 dB
-2040 dB
-2050 dB
-2060 dB
-2070 dB
-2080 dB
-2090 dB
-2100 dB
-2110 dB
-2120 dB
-2130 dB
-2140 dB
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-2160 dB
-2170 dB
-2180 dB
-2190 dB
-2200 dB
-2210 dB
-2220 dB
-2230 dB
-2240 dB
-2250 dB
-2260 dB
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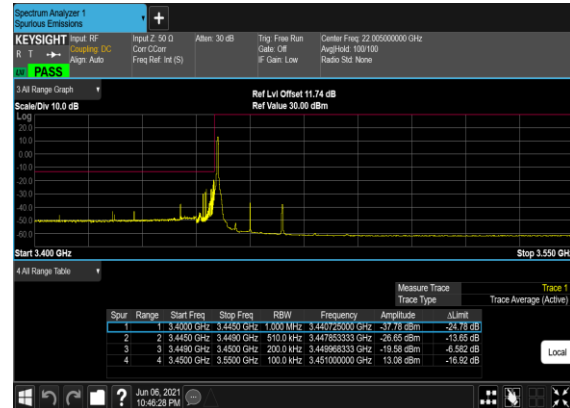
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
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	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	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	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	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

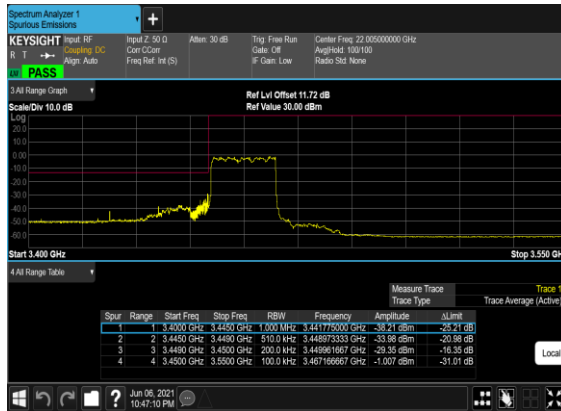
B2_N77(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



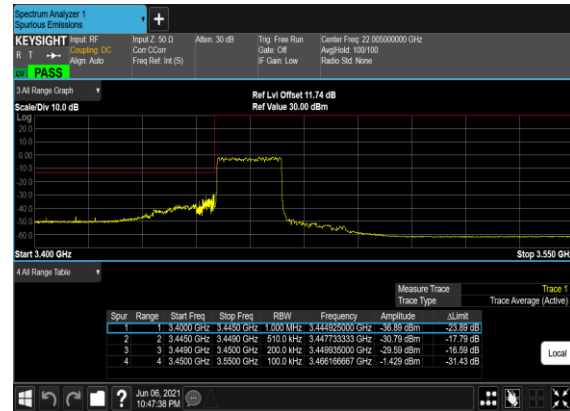
B2_N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



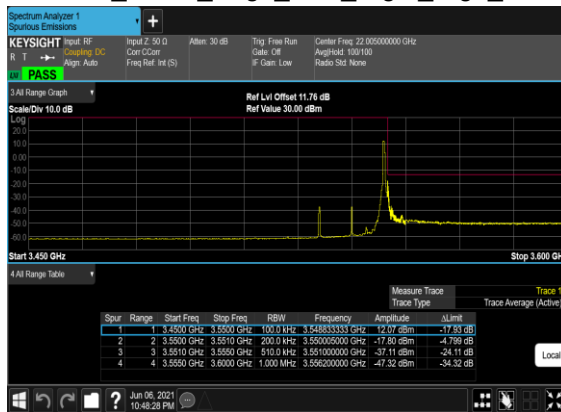
B2_N77(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



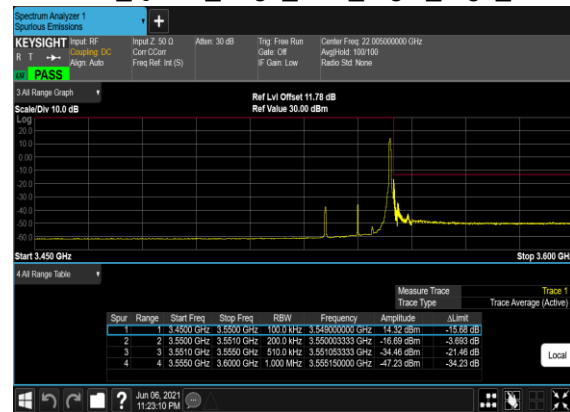
B2_N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



B2_N77(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



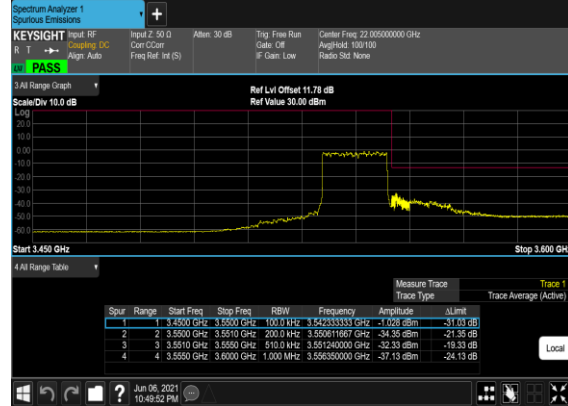
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OFDM_QPSK_Edge_1RB_Right_High_CH



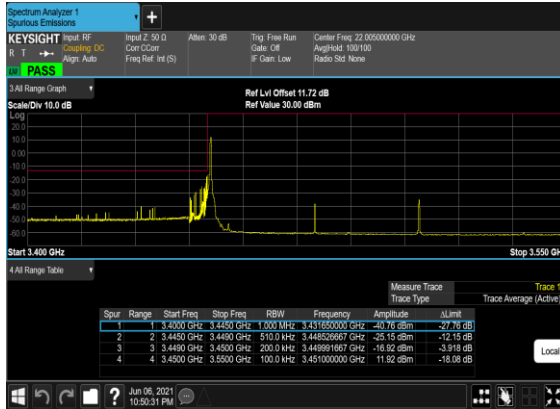
B2_N77(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



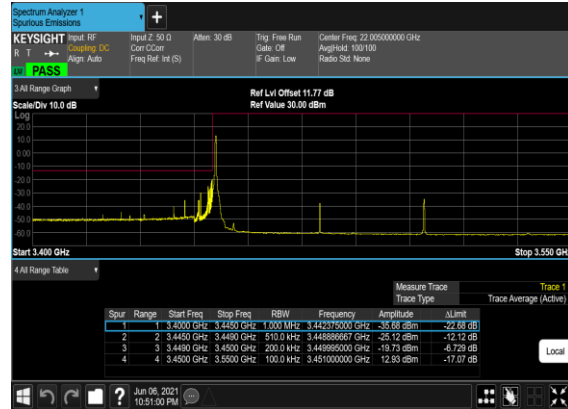
B2_N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



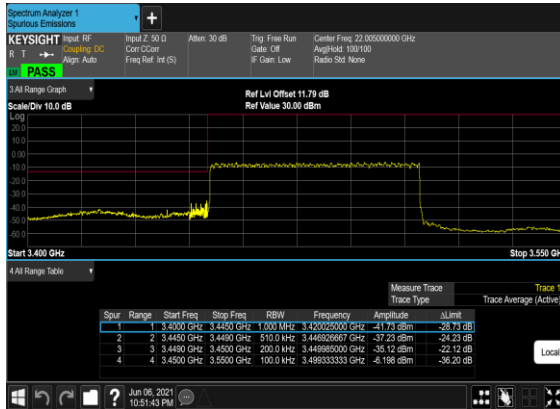
B2_N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



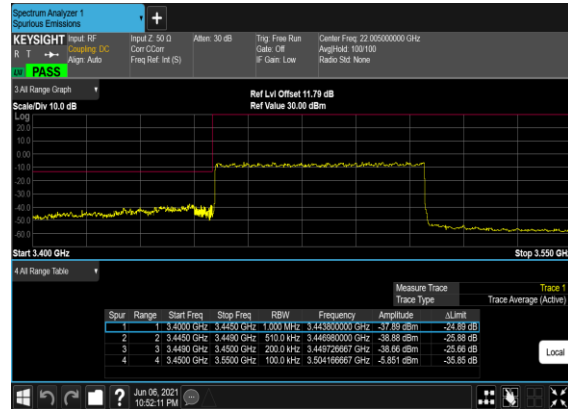
B2_N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N77(60M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



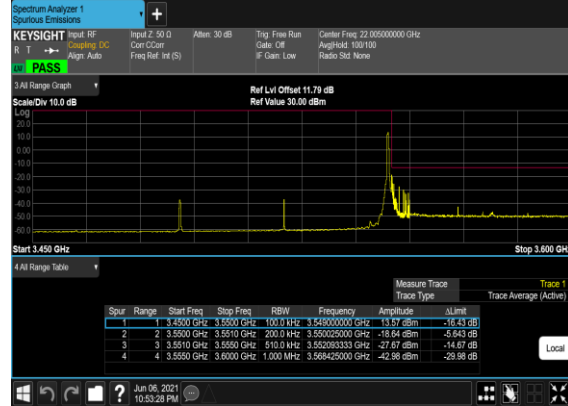
B2_N77(60M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



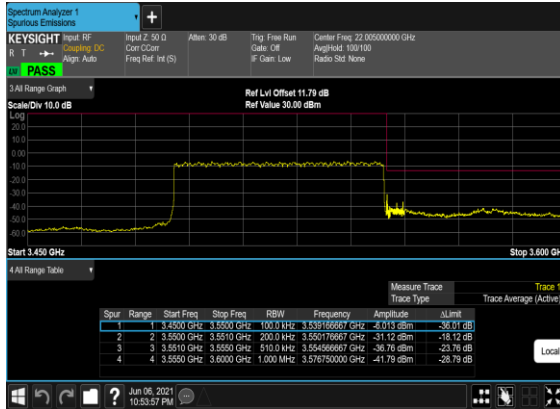
B2_N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



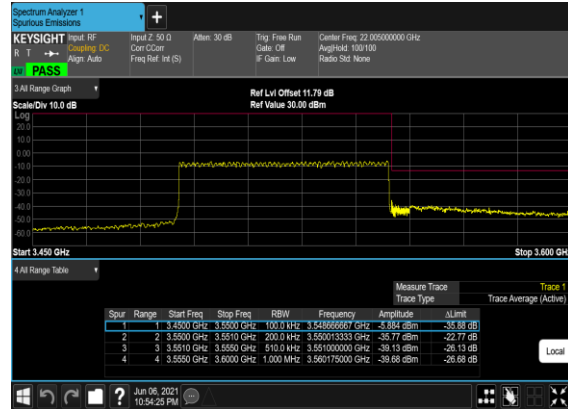
B2_N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



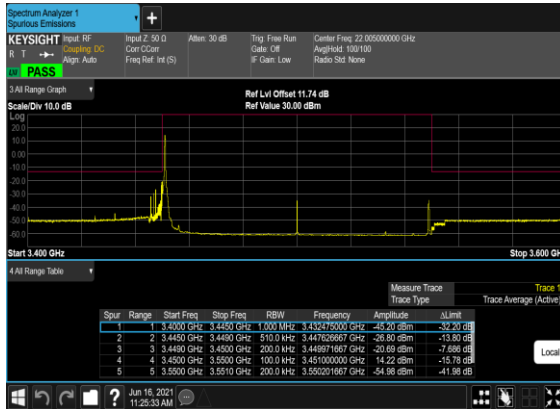
B2_N77(60M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



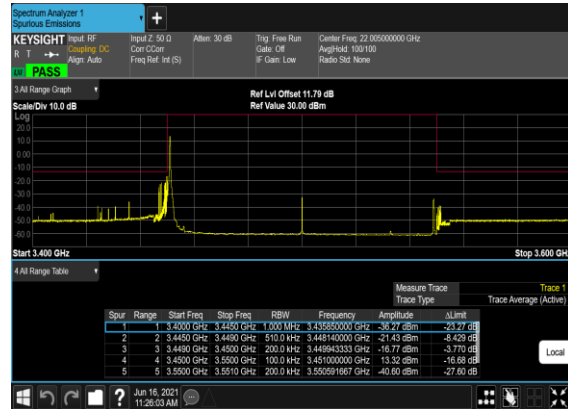
B2_N77(60M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



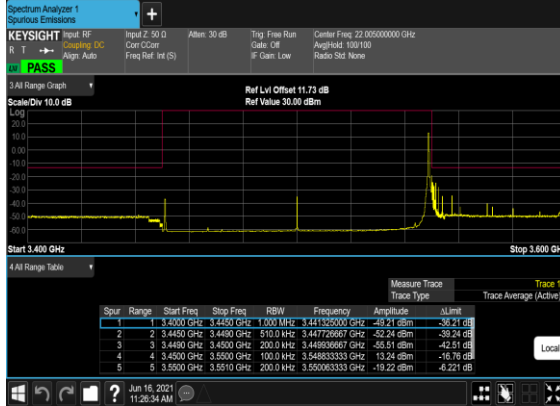
B2_N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



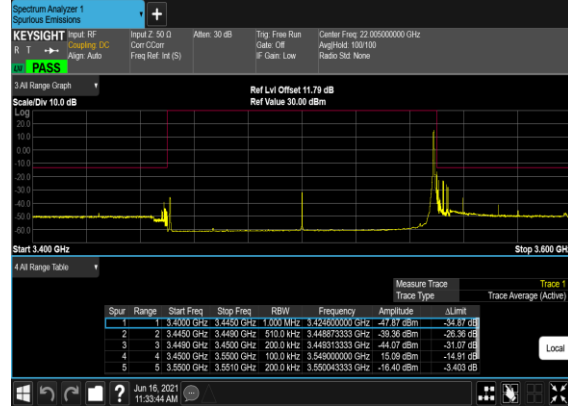
B2_N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



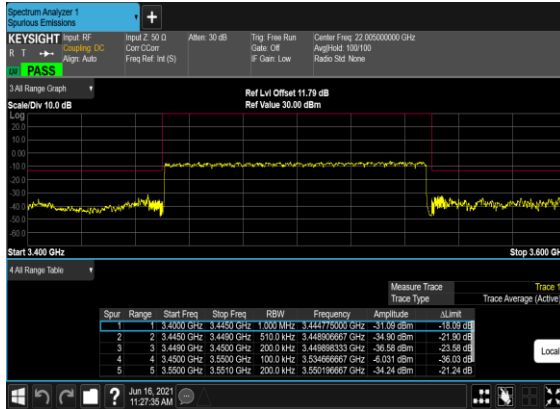
B2_N77(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_Mid_CH



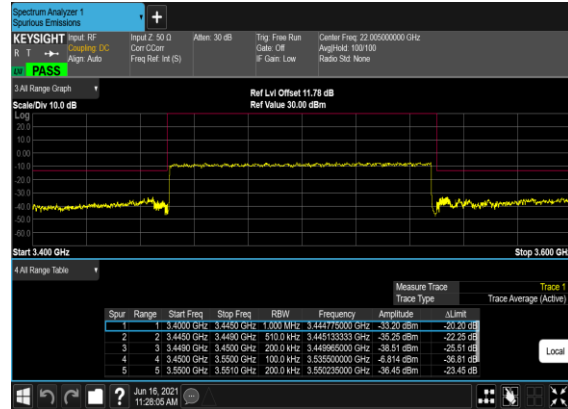
B2_N77(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_Mid_CH



B2_N77(100M)_DFT-s- OFDM_BPSK_Outer_Full_Mid_CH



B2_N77(100M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



FR1 N78 SA

Transmitter Conducted Output Power And ERP/EIRP, ($G_T - L_C$)=-2.59dB

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	23.61	21.02	0.1265
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	23.98	21.39	0.1377
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	23.41	20.82	0.1208
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	23.57	20.98	0.1253
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	24	21.41	0.1384
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	23.5	20.91	0.1233
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	22.99	20.4	0.1096
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	23.01	20.42	0.1102
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	21.08	18.49	0.0706
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	21.19	18.6	0.0724
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	21.4	18.81	0.0760
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	21.46	18.87	0.0771
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	19.49	16.9	0.0490
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	19.59	17	0.0501
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	19.11	16.52	0.0449
78	30	20	630668	3460.02	CP-OFDM QPSK	25@121	20.61	18.02	0.0634
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	22.2	19.61	0.0914
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	22.48	19.89	0.0975
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	24.01	21.42	0.1387

78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.67	21.08	0.1282
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	23.9	21.31	0.1352
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	23.97	21.38	0.1374
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.04	21.45	0.1396
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	23.9	21.31	0.1352
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	22.96	20.37	0.1089
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.86	20.27	0.1064
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	22.93	20.34	0.1081
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	21.51	18.92	0.0780
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.58	18.99	0.0793
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	21.58	18.99	0.0793
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	19.45	16.86	0.0485
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.6	17.01	0.0502
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	19.2	16.61	0.0458
78	30	20	633334	3500.01	CP-OFDM QPSK	25@121	20.66	18.07	0.0641
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	22.67	20.08	0.1019
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	22.28	19.69	0.0931
78	30	20	636000	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	23.44	20.85	0.1216
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@1	23.48	20.89	0.1227
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@49	23.83	21.24	0.1330
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	25@12	23.51	20.92	0.1236
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@1	23.86	21.27	0.1340
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@49	23.78	21.19	0.1315
78	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	25@12	22.82	20.23	0.1054

78	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	1@1	22.84	20.25	0.1059
78	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	1@49	22.29	19.7	0.0933
78	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	25@12	21.35	18.76	0.0752
78	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	1@1	21.32	18.73	0.0746
78	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	1@49	21.3	18.71	0.0743
78	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	25@12	19.12	16.53	0.0450
78	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	1@1	19.23	16.64	0.0461
78	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	1@49	19.43	16.84	0.0483
78	30	20	636000	3540.0	CP-OFDM QPSK	25@121	20.8	18.21	0.0662
78	30	20	636000	3540.0	CP-OFDM QPSK	1@1	21.96	19.37	0.0865
78	30	20	636000	3540.0	CP-OFDM QPSK	1@49	22.24	19.65	0.0923
78	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	36@18	24.07	21.48	0.1406
78	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	1@1	23.67	21.08	0.1282
78	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	1@76	23.49	20.9	0.1230
78	30	30	631000	3465.0	DFT-s-OFDM QPSK	36@18	23.68	21.09	0.1285
78	30	30	631000	3465.0	DFT-s-OFDM QPSK	1@1	23.72	21.13	0.1297
78	30	30	631000	3465.0	DFT-s-OFDM QPSK	1@76	23.53	20.94	0.1242
78	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	36@18	23.13	20.54	0.1132
78	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	1@1	23.03	20.44	0.1107
78	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	1@76	22.43	19.84	0.0964
78	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	36@18	21.25	18.66	0.0735
78	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	1@1	21.26	18.67	0.0736
78	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	1@76	21.29	18.7	0.0741
78	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	36@18	19.1	16.51	0.0448

78	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	1@1	19.57	16.98	0.0499
78	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	1@76	19.14	16.55	0.0452
78	30	30	631000	3465.0	CP-OFDM QPSK	39@19	22.22	19.63	0.0918
78	30	30	631000	3465.0	CP-OFDM QPSK	1@1	22.2	19.61	0.0914
78	30	30	631000	3465.0	CP-OFDM QPSK	1@76	22.44	19.85	0.0966
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	23.65	21.06	0.1276
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.08	21.49	0.1409
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	23.54	20.95	0.1245
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	23.69	21.1	0.1288
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.09	21.5	0.1413
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	23.58	20.99	0.1256
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	22.65	20.06	0.1014
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.71	20.12	0.1028
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	22.56	19.97	0.0993
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	21.27	18.68	0.0738
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.36	18.77	0.0753
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	21.15	18.56	0.0718
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	19.28	16.69	0.0467
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.8	17.21	0.0526
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	19.07	16.48	0.0445
78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	22.15	19.56	0.0904
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	22.34	19.75	0.0944
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	22.24	19.65	0.0923
78	30	30	635666	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	23.92	21.33	0.1358

78	30	30	635666	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.16	21.57	0.1435
78	30	30	635666	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	23.9	21.31	0.1352
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	23.94	21.35	0.1365
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.98	21.39	0.1377
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	23.5	20.91	0.1233
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	22.99	20.4	0.1096
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	22.73	20.14	0.1033
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	22.59	20	0.1000
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	21.55	18.96	0.0787
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	21.27	18.68	0.0738
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	21.17	18.58	0.0721
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	19.17	16.58	0.0455
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	19.58	16.99	0.0500
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	19.35	16.76	0.0474
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	22.42	19.83	0.0962
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	22.21	19.62	0.0916
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	22.11	19.52	0.0895
78	30	40	631334	3534.99	DFT-s-OFDM PI/2 BPSK	50@25	23.98	21.39	0.1377
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	23.88	21.29	0.1346
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	24.1	21.51	0.1416
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	24.07	21.48	0.1406
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	24.2	21.61	0.1449
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	24.03	21.44	0.1393
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	23.02	20.43	0.1104

78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	22.77	20.18	0.1042
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	23.03	20.44	0.1107
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	21.19	18.6	0.0724
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	21.4	18.81	0.0760
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	21.3	18.71	0.0743
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	19.49	16.9	0.0490
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	19.58	16.99	0.0500
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	19.09	16.5	0.0447
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	22.49	19.9	0.0977
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	22.36	19.77	0.0948
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	22.62	20.03	0.1007
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	23.66	21.07	0.1279
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.12	21.53	0.1422
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	23.62	21.03	0.1268
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	24.04	21.45	0.1396
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.18	21.59	0.1442
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	23.99	21.4	0.1380
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	22.69	20.1	0.1023
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.26	20.67	0.1167
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	23.09	20.5	0.1122
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	21.19	18.6	0.0724
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.4	18.81	0.0760
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	21.37	18.78	0.0755
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	19.42	16.83	0.0482

78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.8	17.21	0.0526
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	19.62	17.03	0.0505
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	22.18	19.59	0.0910
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	22.27	19.68	0.0929
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	22.51	19.92	0.0982
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	23.65	21.06	0.1276
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	24.1	21.51	0.1416
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	23.54	20.95	0.1245
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	24.1	21.51	0.1416
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	24.17	21.58	0.1439
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	23.95	21.36	0.1368
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	22.71	20.12	0.1028
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	23.08	20.49	0.1119
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	23.01	20.42	0.1102
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	21.42	18.83	0.0764
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	21.67	19.08	0.0809
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	21.32	18.73	0.0746
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	19.52	16.93	0.0493
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	19.35	16.76	0.0474
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	19.42	16.83	0.0482
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	22.45	19.86	0.0968
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	22.38	19.79	0.0953
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	22.57	19.98	0.0995
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	23.94	21.35	0.1365

78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	23.41	20.82	0.1208
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	23.32	20.73	0.1183
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	23.99	21.4	0.1380
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	23.45	20.86	0.1219
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	23.7	21.11	0.1291
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	22.61	20.02	0.1005
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	22.19	19.6	0.0912
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	22.85	20.26	0.1062
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	21.46	18.87	0.0771
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	21.38	18.79	0.0757
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	21.1	18.51	0.0710
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	19.45	16.86	0.0485
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	19.32	16.73	0.0471
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	19.28	16.69	0.0467
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	22.45	19.86	0.0968
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	22.13	19.54	0.0899
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	22.24	19.65	0.0923
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	23.57	20.98	0.1253
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.78	21.19	0.1315
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	23.62	21.03	0.1268
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	23.86	21.27	0.1340
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.89	21.3	0.1349
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	23.69	21.1	0.1288
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	22.87	20.28	0.1067

78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.6	20.01	0.1002
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	22.25	19.66	0.0925
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	21.11	18.52	0.0711
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.27	18.68	0.0738
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	20.78	18.19	0.0659
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	19.3	16.71	0.0469
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.48	16.89	0.0489
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	18.82	16.23	0.0420
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	22.4	19.81	0.0957
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	22.26	19.67	0.0927
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	21.91	19.32	0.0855
78	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	64@32	23.78	21.19	0.1315
78	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	1@1	23.78	21.19	0.1315
78	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	1@131	23.28	20.69	0.1172
78	30	50	635000	3525.0	DFT-s-OFDM QPSK	64@32	23.66	21.07	0.1279
78	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@1	23.76	21.17	0.1309
78	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@131	23.29	20.7	0.1175
78	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	64@32	22.82	20.23	0.1054
78	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	1@1	22.9	20.31	0.1074
78	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	1@131	22.71	20.12	0.1028
78	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	64@32	21.23	18.64	0.0731
78	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	1@1	21.4	18.81	0.0760
78	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	1@131	21	18.41	0.0693
78	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	64@32	18.84	16.25	0.0422

78	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	1@1	18.81	16.22	0.0419
78	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	1@131	19.08	16.49	0.0446
78	30	50	635000	3525.0	CP-OFDM QPSK	67@33	21.88	19.29	0.0849
78	30	50	635000	3525.0	CP-OFDM QPSK	1@1	22.12	19.53	0.0897
78	30	50	635000	3525.0	CP-OFDM QPSK	1@131	21.93	19.34	0.0859
78	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	81@40	23.55	20.96	0.1247
78	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	1@1	22.68	20.09	0.1021
78	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	1@160	24.67	22.08	0.1614
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	81@40	23.84	21.25	0.1334
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@1	22.39	19.8	0.0955
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@160	24.3	21.71	0.1483
78	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	81@40	16.92	14.33	0.0271
78	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	1@1	21.5	18.91	0.0778
78	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	1@160	23.73	21.14	0.1300
78	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	81@40	21.38	18.79	0.0757
78	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	1@1	20.27	17.68	0.0586
78	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	1@160	22.09	19.5	0.0891
78	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	81@40	19.31	16.72	0.0470
78	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	1@1	17.9	15.31	0.0340
78	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	1@160	19.78	17.19	0.0524
78	30	60	632000	3480.0	CP-OFDM QPSK	81@40	22.33	19.74	0.0942
78	30	60	632000	3480.0	CP-OFDM QPSK	1@1	21.24	18.65	0.0733
78	30	60	632000	3480.0	CP-OFDM QPSK	1@160	22.94	20.35	0.1084
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	23.87	21.28	0.1343

78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.75	20.16	0.1038
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	24.15	21.56	0.1432
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	23.37	20.78	0.1197
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.71	20.12	0.1028
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	24.26	21.67	0.1469
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	22.83	20.24	0.1057
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.52	18.93	0.0782
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	23.72	21.13	0.1297
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	21.31	18.72	0.0745
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.3	17.71	0.0590
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	22.22	19.63	0.0918
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	19.35	16.76	0.0474
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.06	15.47	0.0352
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	19.97	17.38	0.0547
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	22.06	19.47	0.0885
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	20.96	18.37	0.0687
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	23.19	20.6	0.1148
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	23.61	21.02	0.1265
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	22.19	19.6	0.0912
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	24.52	21.93	0.1560
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	23.27	20.68	0.1169
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	22.18	19.59	0.0910
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	24.11	21.52	0.1419
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	22.35	19.76	0.0946

78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	21.56	18.97	0.0789
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	23.2	20.61	0.1151
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	20.79	18.2	0.0661
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	20.07	17.48	0.0560
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	22.05	19.46	0.0883
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	18.87	16.28	0.0425
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	17.52	14.93	0.0311
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	19.46	16.87	0.0486
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	21.85	19.26	0.0843
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	20.86	18.27	0.0671
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	23.1	20.51	0.1125
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	23.43	20.84	0.1213
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	23.84	21.25	0.1334
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	23.11	20.52	0.1127
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	23.47	20.88	0.1225
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	23.77	21.18	0.1312
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	23.53	20.94	0.1242
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	22.49	19.9	0.0977
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	22.61	20.02	0.1005
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	22.24	19.65	0.0923
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	21.18	18.59	0.0723
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	21.21	18.62	0.0728
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	20.83	18.24	0.0667
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	19.24	16.65	0.0462

78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	19.29	16.7	0.0468
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	18.79	16.2	0.0417
78	30	70	632334	3485.01	CP-OFDM QPSK	95@47	22.32	19.73	0.0940
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	22.44	19.85	0.0966
78	30	70	632334	3485.01	CP-OFDM QPSK	1@187	21.74	19.15	0.0822
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	23.5	20.91	0.1233
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.83	21.24	0.1330
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	23.15	20.56	0.1138
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	23.46	20.87	0.1222
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.91	21.32	0.1355
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	23.13	20.54	0.1132
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	22.47	19.88	0.0973
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.65	20.06	0.1014
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	22.62	20.03	0.1007
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	21.29	18.7	0.0741
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.33	18.74	0.0748
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	21.05	18.46	0.0701
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	19.2	16.61	0.0458
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.15	16.56	0.0453
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	19.03	16.44	0.0441
78	30	70	633334	3500.01	CP-OFDM QPSK	95@47	21.99	19.4	0.0871
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	22.36	19.77	0.0948
78	30	70	633334	3500.01	CP-OFDM QPSK	1@187	22.06	19.47	0.0885
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	23.8	21.21	0.1321

78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	23.84	21.25	0.1334
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	23.12	20.53	0.1130
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	23.38	20.79	0.1199
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	23.43	20.84	0.1213
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	23.55	20.96	0.1247
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	22.92	20.33	0.1079
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	23.01	20.42	0.1102
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	22.73	20.14	0.1033
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	20.92	18.33	0.0681
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	21.13	18.54	0.0714
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	20.8	18.21	0.0662
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	19.01	16.42	0.0439
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	19.21	16.62	0.0459
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	19.14	16.55	0.0452
78	30	70	634332	3514.98	CP-OFDM QPSK	95@47	21.91	19.32	0.0855
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	21.89	19.3	0.0851
78	30	70	634332	3514.98	CP-OFDM QPSK	1@187	22.13	19.54	0.0899
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	23.39	20.8	0.1202
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	23.82	21.23	0.1327
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	23.51	20.92	0.1236
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	23.86	21.27	0.1340
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	23.53	20.94	0.1242
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	23.18	20.59	0.1146
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	22.36	19.77	0.0948

78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	22.49	19.9	0.0977
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	22.53	19.94	0.0986
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	21.02	18.43	0.0697
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	21.24	18.65	0.0733
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	21.18	18.59	0.0723
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	19.29	16.7	0.0468
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	18.9	16.31	0.0428
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	18.6	16.01	0.0399
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	21.94	19.35	0.0861
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	22.28	19.69	0.0931
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	22.07	19.48	0.0887
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	23.78	21.19	0.1315
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.53	20.94	0.1242
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	23.56	20.97	0.1250
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	23.85	21.26	0.1337
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.94	21.35	0.1365
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	23.52	20.93	0.1239
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	22.5	19.91	0.0979
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.04	20.45	0.1109
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	22.33	19.74	0.0942
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	21.27	18.68	0.0738
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.16	18.57	0.0719
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	21.17	18.58	0.0721
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	19.24	16.65	0.0462

78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.27	16.68	0.0466
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	18.56	15.97	0.0395
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	22.29	19.7	0.0933
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	22.1	19.51	0.0893
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	21.78	19.19	0.0830
78	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	108@54	23.55	20.96	0.1247
78	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	1@1	23.97	21.38	0.1374
78	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	1@215	23.55	20.96	0.1247
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	108@54	23.83	21.24	0.1330
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@1	24	21.41	0.1384
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@215	23.23	20.64	0.1159
78	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	108@54	22.67	20.08	0.1019
78	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	1@1	22.95	20.36	0.1086
78	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	1@215	22.46	19.87	0.0971
78	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	108@54	21.31	18.72	0.0745
78	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	1@1	21.15	18.56	0.0718
78	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	1@215	20.69	18.1	0.0646
78	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	108@54	19.34	16.75	0.0473
78	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	1@1	19.31	16.72	0.0470
78	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	1@215	18.91	16.32	0.0429
78	30	80	634000	3510.0	CP-OFDM QPSK	109@54	22.03	19.44	0.0879
78	30	80	634000	3510.0	CP-OFDM QPSK	1@1	22.19	19.6	0.0912
78	30	80	634000	3510.0	CP-OFDM QPSK	1@215	21.88	19.29	0.0849
78	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	120@60	23.48	20.89	0.1227

78	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	1@1	23.85	21.26	0.1337
78	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	1@243	23.55	20.96	0.1247
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	120@60	23.42	20.83	0.1211
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@1	23.51	20.92	0.1236
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@243	23.65	21.06	0.1276
78	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	120@60	22.56	19.97	0.0993
78	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	1@1	22.63	20.04	0.1009
78	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	1@243	22.69	20.1	0.1023
78	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	120@60	21.28	18.69	0.0740
78	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	1@1	21.51	18.92	0.0780
78	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	1@243	21.22	18.63	0.0729
78	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	120@60	19.12	16.53	0.0450
78	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	1@1	18.8	16.21	0.0418
78	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	1@243	19.37	16.78	0.0476
78	30	90	633000	3495.0	CP-OFDM QPSK	123@61	22	19.41	0.0873
78	30	90	633000	3495.0	CP-OFDM QPSK	1@1	22.12	19.53	0.0897
78	30	90	633000	3495.0	CP-OFDM QPSK	1@243	21.79	19.2	0.0832
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	23.83	21.24	0.1330
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.49	20.9	0.1230
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	23.53	20.94	0.1242
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	23.75	21.16	0.1306
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.46	20.87	0.1222
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	23.65	21.06	0.1276
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	22.87	20.28	0.1067

78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.88	20.29	0.1069
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	22.36	19.77	0.0948
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	21.08	18.49	0.0706
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.17	18.58	0.0721
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	21.25	18.66	0.0735
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	19.23	16.64	0.0461
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.99	16.4	0.0437
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	19.08	16.49	0.0446
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	22.34	19.75	0.0944
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	22.31	19.72	0.0938
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	21.77	19.18	0.0828
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	23.91	21.32	0.1355
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	23.47	20.88	0.1225
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	23.59	21	0.1259
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	23.88	21.29	0.1346
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	24	21.41	0.1384
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	23.22	20.63	0.1156
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	22.79	20.2	0.1047
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	22.81	20.22	0.1052
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	22.68	20.09	0.1021
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	21.12	18.53	0.0713
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	21.14	18.55	0.0716
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	21.22	18.63	0.0729
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	19.35	16.76	0.0474

78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	19.18	16.59	0.0456
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	18.61	16.02	0.0400
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	22.3	19.71	0.0935
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	22.03	19.44	0.0879
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	23.58	20.99	0.1256
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	23.46	20.87	0.1222
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.5	20.91	0.1233
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	23.25	20.66	0.1164
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	23.48	20.89	0.1227
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.82	21.23	0.1327
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	24.67	22.08	0.1614
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	22.41	19.82	0.0959
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.85	20.26	0.1062
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	22.62	20.03	0.1007
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	21.26	18.67	0.0736
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.32	18.73	0.0746
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	21.04	18.45	0.0700
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	19.3	16.71	0.0469
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.81	16.22	0.0419
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	18.5	15.91	0.0390
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	22.33	19.74	0.0942
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	22.27	19.68	0.0929
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	22.11	19.52	0.0895

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LTE Band: 2, LTE BW: 20M, LTE ARFCN: Mid

Transmitter Conducted Output Power And ERP/EIRP, ($G_T - L_C$)=-2.59dB

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	23.09	20.5	0.1122
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	23.37	20.78	0.1197
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	22.99	20.4	0.1096
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	23.34	20.75	0.1189
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	23.04	20.45	0.1109
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	23.33	20.74	0.1186
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	22.51	19.92	0.0982
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	22.31	19.72	0.0938
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	22.29	19.7	0.0933
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	20.75	18.16	0.0655
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	21.13	18.54	0.0714
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	20.98	18.39	0.069
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	19.08	16.49	0.0446
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	18.79	16.2	0.0417
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	19.0	16.41	0.0438
78	30	20	630668	3460.02	CP-OFDM QPSK	25@121	20.19	17.6	0.0575
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	22.03	19.44	0.0879
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	21.71	19.12	0.0817

78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	23.05	20.46	0.1112
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.45	20.86	0.1219
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	23.23	20.64	0.1159
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	23.01	20.42	0.1102
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.14	20.55	0.1135
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	22.88	20.29	0.1069
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	22.19	19.6	0.0912
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.67	20.08	0.1019
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	22.11	19.52	0.0895
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	20.77	18.18	0.0658
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.11	18.52	0.0711
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	20.59	18.0	0.0631
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	18.95	16.36	0.0433
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.86	16.27	0.0424
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	18.67	16.08	0.0406
78	30	20	633334	3500.01	CP-OFDM QPSK	25@121	20.23	17.64	0.0581
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	22.11	19.52	0.0895
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	21.57	18.98	0.0791
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	25@12	23.39	20.8	0.1202
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@1	23.4	20.81	0.1205
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@49	23.23	20.64	0.1159
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	25@12	22.95	20.36	0.1086
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@1	23.39	20.8	0.1202
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@49	23.26	20.67	0.1167

78	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	25@12	22.48	19.89	0.0975
78	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	1@1	22.22	19.63	0.0918
78	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	1@49	22.12	19.53	0.0897
78	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	25@12	20.95	18.36	0.0685
78	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	1@1	20.75	18.16	0.0655
78	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	1@49	20.69	18.1	0.0646
78	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	25@12	18.97	16.38	0.0435
78	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	1@1	18.78	16.19	0.0416
78	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	1@49	18.66	16.07	0.0405
78	30	20	636000	3540.0	CP-OFDM QPSK	25@121	20.41	17.82	0.0605
78	30	20	636000	3540.0	CP-OFDM QPSK	1@1	21.64	19.05	0.0804
78	30	20	636000	3540.0	CP-OFDM QPSK	1@49	21.86	19.27	0.0845
78	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	36@18	23.52	20.93	0.1239
78	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	1@1	23.12	20.53	0.113
78	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	1@76	23.39	20.8	0.1202
78	30	30	631000	3465.0	DFT-s-OFDM QPSK	36@18	23.1	20.51	0.1125
78	30	30	631000	3465.0	DFT-s-OFDM QPSK	1@1	23.21	20.62	0.1153
78	30	30	631000	3465.0	DFT-s-OFDM QPSK	1@76	23.45	20.86	0.1219
78	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	36@18	22.63	20.04	0.1009
78	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	1@1	22.6	20.01	0.1002
78	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	1@76	22.43	19.84	0.0964
78	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	36@18	21.21	18.62	0.0728
78	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	1@1	20.7	18.11	0.0647
78	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	1@76	20.94	18.35	0.0684

78	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	36@18	18.79	16.2	0.0417
78	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	1@1	18.94	16.35	0.0432
78	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	1@76	19.02	16.43	0.044
78	30	30	631000	3465.0	CP-OFDM QPSK	39@19	21.74	19.15	0.0822
78	30	30	631000	3465.0	CP-OFDM QPSK	1@1	21.76	19.17	0.0826
78	30	30	631000	3465.0	CP-OFDM QPSK	1@76	21.94	19.35	0.0861
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	23.18	20.59	0.1146
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.56	20.97	0.125
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	22.98	20.39	0.1094
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	23.09	20.5	0.1122
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.2	20.61	0.1151
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	23.05	20.46	0.1112
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	22.25	19.66	0.0925
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.65	20.06	0.1014
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	22.01	19.42	0.0875
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	21.18	18.59	0.0723
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.98	18.39	0.069
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	20.44	17.85	0.061
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	18.76	16.17	0.0414
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.93	16.34	0.0431
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	18.9	16.31	0.0428
78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	21.66	19.07	0.0807
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	22.1	19.51	0.0893
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	21.84	19.25	0.0841

78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	23.07	20.48	0.1117
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	23.43	20.84	0.1213
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	23.3	20.71	0.1178
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	23.13	20.54	0.1132
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.41	20.82	0.1208
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	23.38	20.79	0.1199
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	22.5	19.91	0.0979
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	22.5	19.91	0.0979
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	22.37	19.78	0.0951
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	21.11	18.52	0.0711
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	20.61	18.02	0.0634
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	20.7	18.11	0.0647
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	18.67	16.08	0.0406
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	19.08	16.49	0.0446
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	18.99	16.4	0.0437
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	21.76	19.17	0.0826
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	21.82	19.23	0.0838
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	21.91	19.32	0.0855
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	23.08	20.49	0.1119
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	23.27	20.68	0.1169
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	23.61	21.02	0.1265
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	23.55	20.96	0.1247
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	23.65	21.06	0.1276
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	23.62	21.03	0.1268

78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	22.61	20.02	0.1005
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	22.79	20.2	0.1047
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	22.76	20.17	0.104
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	20.85	18.26	0.067
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	21.13	18.54	0.0714
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	21.11	18.52	0.0711
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	19.08	16.49	0.0446
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	19.19	16.6	0.0457
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	18.91	16.32	0.0429
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	21.75	19.16	0.0824
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	22.23	19.64	0.092
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	21.87	19.28	0.0847
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	23.57	20.98	0.1253
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.58	20.99	0.1256
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	23.42	20.83	0.1211
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	23.51	20.92	0.1236
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.19	20.6	0.1148
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	23.47	20.88	0.1225
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	22.22	19.63	0.0918
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.44	19.85	0.0966
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	22.49	19.9	0.0977
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	21.02	18.43	0.0697
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.79	18.2	0.0661
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	20.56	17.97	0.0627

78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	18.79	16.2	0.0417
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.87	16.28	0.0425
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	18.73	16.14	0.0411
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	21.67	19.08	0.0809
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	21.82	19.23	0.0838
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	21.66	19.07	0.0807
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	23.34	20.75	0.1189
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	22.98	20.39	0.1094
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	22.95	20.36	0.1086
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	23.01	20.42	0.1102
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	23.11	20.52	0.1127
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	22.99	20.4	0.1096
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	22.14	19.55	0.0902
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	22.49	19.9	0.0977
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	22.1	19.51	0.0893
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	20.68	18.09	0.0644
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	20.97	18.38	0.0689
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	20.56	17.97	0.0627
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	18.88	16.29	0.0426
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	19.06	16.47	0.0444
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	18.82	16.23	0.042
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	22.08	19.49	0.0889
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	22.01	19.42	0.0875
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	21.65	19.06	0.0805

78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	23.38	20.79	0.1199
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	22.83	20.24	0.1057
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	22.87	20.28	0.1067
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	23.06	20.47	0.1114
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	23.27	20.68	0.1169
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	23.19	20.6	0.1148
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	22.17	19.58	0.0908
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	22.11	19.52	0.0895
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	22.46	19.87	0.0971
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	20.92	18.33	0.0681
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	20.58	17.99	0.063
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	20.44	17.85	0.061
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	18.6	16.01	0.0399
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	18.51	15.92	0.0391
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	18.72	16.13	0.041
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	22.04	19.45	0.0881
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	21.58	18.99	0.0793
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	21.47	18.88	0.0773
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	22.88	20.29	0.1069
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.16	20.57	0.114
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	22.75	20.16	0.1038
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	23.22	20.63	0.1156
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.75	20.16	0.1038
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	22.81	20.22	0.1052

78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	22.06	19.47	0.0885
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.42	19.83	0.0962
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	22.28	19.69	0.0931
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	20.91	18.32	0.0679
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.74	18.15	0.0653
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	20.4	17.81	0.0604
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	18.57	15.98	0.0396
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.83	16.24	0.0421
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	18.31	15.72	0.0373
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	21.65	19.06	0.0805
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	21.49	18.9	0.0776
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	21.45	18.86	0.0769
78	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	64@32	23.24	20.65	0.1161
78	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	1@1	22.9	20.31	0.1074
78	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	1@131	22.81	20.22	0.1052
78	30	50	635000	3525.0	DFT-s-OFDM QPSK	64@32	22.85	20.26	0.1062
78	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@1	23.21	20.62	0.1153
78	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@131	22.8	20.21	0.105
78	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	64@32	22.4	19.81	0.0957
78	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	1@1	22.47	19.88	0.0973
78	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	1@131	22.28	19.69	0.0931
78	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	64@32	20.55	17.96	0.0625
78	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	1@1	20.68	18.09	0.0644
78	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	1@131	20.84	18.25	0.0668

78	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	64@32	18.53	15.94	0.0393
78	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	1@1	18.59	16.0	0.0398
78	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	1@131	18.64	16.05	0.0403
78	30	50	635000	3525.0	CP-OFDM QPSK	67@33	21.86	19.27	0.0845
78	30	50	635000	3525.0	CP-OFDM QPSK	1@1	21.98	19.39	0.0869
78	30	50	635000	3525.0	CP-OFDM QPSK	1@131	21.74	19.15	0.0822
78	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	81@40	22.98	20.39	0.1094
78	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	1@1	22.09	19.5	0.0891
78	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	1@160	23.79	21.2	0.1318
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	81@40	22.9	20.31	0.1074
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@1	21.83	19.24	0.0839
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@160	23.35	20.76	0.1191
78	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	81@40	22.45	19.86	0.0968
78	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	1@1	20.93	18.34	0.0682
78	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	1@160	22.65	20.06	0.1014
78	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	81@40	20.61	18.02	0.0634
78	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	1@1	19.78	17.19	0.0524
78	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	1@160	21.94	19.35	0.0861
78	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	81@40	18.6	16.01	0.0399
78	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	1@1	17.76	15.17	0.0329
78	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	1@160	19.81	17.22	0.0527
78	30	60	632000	3480.0	CP-OFDM QPSK	81@40	21.89	19.3	0.0851
78	30	60	632000	3480.0	CP-OFDM QPSK	1@1	20.77	18.18	0.0658
78	30	60	632000	3480.0	CP-OFDM QPSK	1@160	22.4	19.81	0.0957

78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	23.26	20.67	0.1167
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.09	19.5	0.0891
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	23.59	21.0	0.1259
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	22.85	20.26	0.1062
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	21.83	19.24	0.0839
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	23.25	20.66	0.1164
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	22.47	19.88	0.0973
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.98	18.39	0.069
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	22.69	20.1	0.1023
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	20.53	17.94	0.0622
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.5	16.91	0.0491
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	21.3	18.71	0.0743
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	18.84	16.25	0.0422
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.81	15.22	0.0333
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	19.46	16.87	0.0486
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	21.56	18.97	0.0789
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	20.53	17.94	0.0622
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	22.71	20.12	0.1028
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	22.93	20.34	0.1081
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	21.88	19.29	0.0849
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	23.54	20.95	0.1245
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	22.91	20.32	0.1076
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	21.85	19.26	0.0843
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	23.35	20.76	0.1191

78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	22.07	19.48	0.0887
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	21.22	18.63	0.0729
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	22.84	20.25	0.1059
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	20.78	18.19	0.0659
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	19.77	17.18	0.0522
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	21.37	18.78	0.0755
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	18.84	16.25	0.0422
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	17.78	15.19	0.033
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	19.54	16.95	0.0495
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	21.48	18.89	0.0774
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	20.84	18.25	0.0668
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	22.7	20.11	0.1026
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	23.37	20.78	0.1197
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	22.92	20.33	0.1079
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	22.72	20.13	0.103
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	22.99	20.4	0.1096
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	22.95	20.36	0.1086
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	22.71	20.12	0.1028
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	22.44	19.85	0.0966
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	22.37	19.78	0.0951
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	22.1	19.51	0.0893
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	20.52	17.93	0.0621
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	20.58	17.99	0.063
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	20.66	18.07	0.0641

78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	18.65	16.06	0.0404
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	18.69	16.1	0.0407
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	18.36	15.77	0.0378
78	30	70	632334	3485.01	CP-OFDM QPSK	95@47	21.89	19.3	0.0851
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	21.93	19.34	0.0859
78	30	70	632334	3485.01	CP-OFDM QPSK	1@187	21.37	18.78	0.0755
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	22.84	20.25	0.1059
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.93	20.34	0.1081
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	22.61	20.02	0.1005
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	22.99	20.4	0.1096
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.08	20.49	0.1119
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	22.67	20.08	0.1019
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	22.03	19.44	0.0879
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.94	19.35	0.0861
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	22.1	19.51	0.0893
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	20.87	18.28	0.0673
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.73	18.14	0.0652
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	20.23	17.64	0.0581
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	18.58	15.99	0.0397
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.91	16.32	0.0429
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	18.68	16.09	0.0406
78	30	70	633334	3500.01	CP-OFDM QPSK	95@47	21.84	19.25	0.0841
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	22.02	19.43	0.0877
78	30	70	633334	3500.01	CP-OFDM QPSK	1@187	21.69	19.1	0.0813

78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	23.36	20.77	0.1194
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	23.34	20.75	0.1189
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	23.17	20.58	0.1143
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	23.39	20.8	0.1202
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	23.11	20.52	0.1127
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	22.73	20.14	0.1033
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	22.04	19.45	0.0881
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	22.16	19.57	0.0906
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	21.79	19.2	0.0832
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	20.66	18.07	0.0641
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	20.65	18.06	0.064
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	20.55	17.96	0.0625
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	18.7	16.11	0.0408
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	18.74	16.15	0.0412
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	18.68	16.09	0.0406
78	30	70	634332	3514.98	CP-OFDM QPSK	95@47	21.88	19.29	0.0849
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	22.05	19.46	0.0883
78	30	70	634332	3514.98	CP-OFDM QPSK	1@187	21.79	19.2	0.0832
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	23.28	20.69	0.1172
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	22.94	20.35	0.1084
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	23.06	20.47	0.1114
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	23.26	20.67	0.1167
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	23.34	20.75	0.1189
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	23.02	20.43	0.1104

78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	22.1	19.51	0.0893
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	22.05	19.46	0.0883
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	22.18	19.59	0.091
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	20.89	18.3	0.0676
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	20.83	18.24	0.0667
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	20.39	17.8	0.0603
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	18.55	15.96	0.0394
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	18.87	16.28	0.0425
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	18.67	16.08	0.0406
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	21.88	19.29	0.0849
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	21.69	19.1	0.0813
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	21.49	18.9	0.0776
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	23.03	20.44	0.1107
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.98	20.39	0.1094
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	22.76	20.17	0.104
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	23.2	20.61	0.1151
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.29	20.7	0.1175
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	22.75	20.16	0.1038
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	22.34	19.75	0.0944
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.96	19.37	0.0865
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	22.27	19.68	0.0929
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	20.53	17.94	0.0622
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.6	18.01	0.0632
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	20.34	17.75	0.0596

78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	18.9	16.31	0.0428
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.94	16.35	0.0432
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	18.74	16.15	0.0412
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	21.55	18.96	0.0787
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	21.93	19.34	0.0859
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	21.68	19.09	0.0811
78	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	108@54	23.36	20.77	0.1194
78	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	1@1	23.51	20.92	0.1236
78	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	1@215	23.22	20.63	0.1156
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	108@54	23.4	20.81	0.1205
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@1	23.48	20.89	0.1227
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@215	22.83	20.24	0.1057
78	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	108@54	22.46	19.87	0.0971
78	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	1@1	22.51	19.92	0.0982
78	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	1@215	22.35	19.76	0.0946
78	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	108@54	20.73	18.14	0.0652
78	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	1@1	20.83	18.24	0.0667
78	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	1@215	20.78	18.19	0.0659
78	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	108@54	18.92	16.33	0.043
78	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	1@1	18.82	16.23	0.042
78	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	1@215	18.87	16.28	0.0425
78	30	80	634000	3510.0	CP-OFDM QPSK	109@54	21.71	19.12	0.0817
78	30	80	634000	3510.0	CP-OFDM QPSK	1@1	21.78	19.19	0.083
78	30	80	634000	3510.0	CP-OFDM QPSK	1@215	21.88	19.29	0.0849

78	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	120@60	22.93	20.34	0.1081
78	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	1@1	23.27	20.68	0.1169
78	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	1@243	23.08	20.49	0.1119
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	120@60	23.39	20.8	0.1202
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@1	23.29	20.7	0.1175
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@243	22.77	20.18	0.1042
78	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	120@60	22.13	19.54	0.0899
78	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	1@1	22.39	19.8	0.0955
78	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	1@243	22.27	19.68	0.0929
78	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	120@60	20.96	18.37	0.0687
78	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	1@1	20.91	18.32	0.0679
78	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	1@243	20.75	18.16	0.0655
78	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	120@60	18.9	16.31	0.0428
78	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	1@1	18.95	16.36	0.0433
78	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	1@243	18.39	15.8	0.038
78	30	90	633000	3495.0	CP-OFDM QPSK	123@61	21.95	19.36	0.0863
78	30	90	633000	3495.0	CP-OFDM QPSK	1@1	21.95	19.36	0.0863
78	30	90	633000	3495.0	CP-OFDM QPSK	1@243	21.41	18.82	0.0762
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	23.03	20.44	0.1107
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.91	20.32	0.1076
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	22.74	20.15	0.1035
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	23.0	20.41	0.1099
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.25	20.66	0.1164
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	23.11	20.52	0.1127

78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	22.16	19.57	0.0906
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.05	19.46	0.0883
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	22.35	19.76	0.0946
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	20.92	18.33	0.0681
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.83	18.24	0.0667
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	20.34	17.75	0.0596
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	18.78	16.19	0.0416
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.56	15.97	0.0395
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	18.72	16.13	0.041
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	21.62	19.03	0.08
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	21.55	18.96	0.0787
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	21.36	18.77	0.0753
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	23.08	20.49	0.1119
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	23.0	20.41	0.1099
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	23.05	20.46	0.1112
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	23.39	20.8	0.1202
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	23.39	20.8	0.1202
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	23.14	20.55	0.1135
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	22.22	19.63	0.0918
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	22.59	20.0	0.1
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	22.34	19.75	0.0944
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	20.66	18.07	0.0641
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	20.62	18.03	0.0635
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	20.31	17.72	0.0592

78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	18.72	16.13	0.041
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	18.76	16.17	0.0414
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	18.69	16.1	0.0407
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	22.0	19.41	0.0873
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	21.72	19.13	0.0818
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	21.76	19.17	0.0826
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	23.12	20.53	0.113
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.83	20.24	0.1057
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	22.69	20.1	0.1023
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	22.94	20.35	0.1084
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.84	20.25	0.1059
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	22.74	20.15	0.1035
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	22.37	19.78	0.0951
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.39	19.8	0.0955
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	22.3	19.71	0.0935
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	20.58	17.99	0.063
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.76	18.17	0.0656
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	20.8	18.21	0.0662
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	18.88	16.29	0.0426
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.6	16.01	0.0399
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	18.39	15.8	0.038
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.52	18.93	0.0782
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	21.51	18.92	0.078
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	21.4	18.81	0.076

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

SA n77 / 100MHz / DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	7000.02	-55.12	-13	-42.12	-79.39	-58.45	8.26	11.59	H
	10500.03	-49.81	-13	-36.81	-79.74	-51.34	10.45	11.98	H
	14000.04	-45.95	-13	-32.95	-78.92	-47.62	11.78	13.45	H
	7000.02	-54.48	-13	-41.48	-79.2	-57.81	8.26	11.59	V
	10500.03	-50.34	-13	-37.34	-79.74	-51.87	10.45	11.98	V
	14000.04	-46.38	-13	-33.38	-79.01	-48.05	11.78	13.45	V

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

EN-DC_2A_n77A / LTE 20MHz + NR 100MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	7000.02	-55.05	-13	-42.05	-79.32	-58.38	8.26	11.59	H
	10500.03	-49.72	-13	-36.72	-79.65	-51.25	10.45	11.98	H
	14000.04	-46.16	-13	-33.16	-79.13	-47.83	11.78	13.45	H
	7000.02	-54.62	-13	-41.62	-79.34	-57.95	8.26	11.59	V
	10500.03	-50.41	-13	-37.41	-79.81	-51.94	10.45	11.98	V
	14000.04	-46.10	-13	-33.10	-78.73	-47.77	11.78	13.45	V
LTE Band2 Middle	3760	-62.15	-13	-49.15	-78.87	-65.40	4.00	9.40	H
	5640	-51.35	-13	-38.35	-71.95	-54.92	4.88	10.60	H
	7520	-54.78	-13	-41.78	-79.41	-59.71	5.52	12.60	H
	3760	-62.07	-13	-49.07	-78.96	-65.32	4.00	9.40	V
	5640	-57.41	-13	-44.41	-78.64	-60.98	4.88	10.60	V
	7520	-53.51	-13	-40.51	-78.12	-58.44	5.52	12.60	V

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