

Page 102 of 143

Page 103 of 143

Page 104 of 143

System	Band	Channel	TestItem	Measured Value	EIRP
NR UL MIMO	n78	649668	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_649668;7;CP-OFDM 16QAM_Edge_1RB_Right;PC3_SUM	21.72	26.24
NR UL MIMO	n78	649668	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_649668;8;CP-OFDM 16QAM_Outer_Full;PC3_SUM	20.48	25
NR UL MIMO	n78	649668	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_649668;9;CP-OFDM 64QAM_Edge_1RB_Left;PC3_SUM	20.22	24.74
NR UL MIMO	n78	649668	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_649668;10;CP-OFDM 64QAM_Edge_1RB_Right;PC3_SUM	20.41	24.93
NR UL MIMO	n78	649668	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_649668;11;CP-OFDM 64QAM_Outer_Full;PC3_SUM	18.79	23.31
NR UL MIMO	n78	649668	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_649668;12;CP-OFDM 256QAM_Edge_1RB_Left;PC3_SUM	17.8	22.32
NR UL MIMO	n78	649668	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_649668;13;CP-OFDM 256QAM_Edge_1RB_Right;PC3_SUM	17.87	22.39
NR UL MIMO	n78	649668	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_649668;14;CP-OFDM 256QAM_Outer_Full;PC3_SUM	16.91	21.43
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;1;CP-OFDM QPSK_Inner_Full;PC3_SUM	20.79	25.31
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;2;CP-OFDM QPSK_Edge_1RB_Left;PC3_SUM	21.71	26.23
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;3;CP-OFDM QPSK_Edge_1RB_Right;PC3_SUM	21.49	26.01
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;4;CP-OFDM QPSK_Outer_Full;PC3_SUM	20.34	24.86
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;5;CP-OFDM 16QAM_Inner_Full;PC3_SUM	20.84	25.36
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;6;CP-OFDM 16QAM_Edge_1RB_Left;PC3_SUM	21.58	26.1
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;7;CP-OFDM 16QAM_Edge_1RB_Right;PC3_SUM	21.52	26.04
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;8;CP-OFDM 16QAM_Outer_Full;PC3_SUM	20.34	24.86
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;9;CP-OFDM 64QAM_Edge_1RB_Left;PC3_SUM	20.22	24.74
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;10;CP-OFDM 64QAM_Edge_1RB_Right;PC3_SUM	20.02	24.54
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;11;CP-OFDM 64QAM_Outer_Full;PC3_SUM	18.86	23.38
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;12;CP-OFDM 256QAM_Edge_1RB_Left;PC3_SUM	17.75	22.27
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;13;CP-OFDM 256QAM_Edge_1RB_Right;PC3_SUM	17.55	22.07
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650000;14;CP-OFDM 256QAM_Outer_Full;PC3_SUM	16.79	21.31
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;1;CP-OFDM QPSK_Inner_Full;PC3_SUM	20.86	25.38
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;2;CP-OFDM QPSK_Edge_1RB_Left;PC3_SUM	21.84	26.36
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;3;CP-OFDM QPSK_Edge_1RB_Right;PC3_SUM	21.4	25.92
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;4;CP-OFDM QPSK_Outer_Full;PC3_SUM	20.46	24.98
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;5;CP-OFDM 16QAM_Inner_Full;PC3_SUM	20.91	25.43
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;6;CP-OFDM 16QAM_Edge_1RB_Left;PC3_SUM	21.8	26.32
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;7;CP-OFDM 16QAM_Edge_1RB_Right;PC3_SUM	21.37	25.89
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;8;CP-OFDM 16QAM_Outer_Full;PC3_SUM	20.41	24.93
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;9;CP-OFDM 64QAM_Edge_1RB_Left;PC3_SUM	20.49	25.01
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;10;CP-OFDM 64QAM_Edge_1RB_Right;PC3_SUM	20.09	24.61
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;11;CP-OFDM 64QAM_Outer_Full;PC3_SUM	18.81	23.33
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;12;CP-OFDM 256QAM_Edge_1RB_Left;PC3_SUM	17.99	22.51
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;13;CP-OFDM 256QAM_Edge_1RB_Right;PC3_SUM	17.54	22.06
NR UL MIMO	n78	650332	6.2D.2 UE maximum output power reduction:n78_90MHz_30kHz_650332;14;CP-OFDM 256QAM_Outer_Full;PC3_SUM	16.89	21.41
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;1;CP-OFDM QPSK_Inner_Full;PC3_SUM	20.88	25.4
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;2;CP-OFDM QPSK_Edge_1RB_Left;PC3_SUM	20.46	24.98
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;3;CP-OFDM QPSK_Edge_1RB_Right;PC3_SUM	20.2	24.72
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;4;CP-OFDM QPSK_Outer_Full;PC3_SUM	20.17	24.69
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;5;CP-OFDM 16QAM_Inner_Full;PC3_SUM	20.85	25.37
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;6;CP-OFDM 16QAM_Edge_1RB_Left;PC3_SUM	20.51	25.03
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;7;CP-OFDM 16QAM_Edge_1RB_Right;PC3_SUM	20.13	24.65
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;8;CP-OFDM 16QAM_Outer_Full;PC3_SUM	20.17	24.69
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;9;CP-OFDM 64QAM_Edge_1RB_Left;PC3_SUM	19.01	23.53
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;10;CP-OFDM 64QAM_Edge_1RB_Right;PC3_SUM	18.79	23.31
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;11;CP-OFDM 64QAM_Outer_Full;PC3_SUM	18.58	23.1
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;12;CP-OFDM 256QAM_Edge_1RB_Left;PC3_SUM	16.61	21.13
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;13;CP-OFDM 256QAM_Edge_1RB_Right;PC3_SUM	16.29	20.81
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;14;CP-OFDM 256QAM_Outer_Full;PC3_SUM	16.59	21.11

SA_n78 HPUE (UL MIMO)

System	Band	Channel	TestItem		Measured Value	EIRP
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;1,CP-OFDM QPSK_Inner_Full;PC2_SUM	24.03	28.57
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;2,CP-OFDM QPSK_Edge_1RB_Left;PC2_SUM	21.94	26.48
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;3,CP-OFDM QPSK_Edge_1RB_Right;PC2_SUM	21.98	26.52
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;4,CP-OFDM QPSK_Outer_Full;PC2_SUM	21.3	25.84
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;5,CP-OFDM 16QAM_Inner_Full;PC2_SUM	23.46	28
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;6,CP-OFDM 16QAM_Edge_1RB_Left;PC2_SUM	21.96	26.5
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;7,CP-OFDM 16QAM_Edge_1RB_Right;PC2_SUM	22.01	26.55
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;8,CP-OFDM 16QAM_Outer_Full;PC2_SUM	21.31	25.85
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;9,CP-OFDM 64QAM_Edge_1RB_Left;PC2_SUM	20.5	25.04
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;10,CP-OFDM 64QAM_Edge_1RB_Right;PC2_SUM	20.58	25.12
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;11,CP-OFDM 64QAM_Outer_Full;PC2_SUM	19.7	24.24
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;12,CP-OFDM 256QAM_Edge_1RB_Left;PC2_SUM	17.96	22.5
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;13,CP-OFDM 256QAM_Edge_1RB_Right;PC2_SUM	17.99	22.53
NR UL MIMO	n78	647000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 647000;14,CP-OFDM 256QAM_Outer_Full;PC2_SUM	17.64	22.18
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;1,CP-OFDM QPSK_Inner_Full;PC2_SUM	23.95	28.49
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;2,CP-OFDM QPSK_Edge_1RB_Left;PC2_SUM	21.98	26.52
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;3,CP-OFDM QPSK_Edge_1RB_Right;PC2_SUM	22.01	26.55
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;4,CP-OFDM QPSK_Outer_Full;PC2_SUM	21.28	25.82
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;5,CP-OFDM 16QAM_Inner_Full;PC2_SUM	23.48	28.02
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;6,CP-OFDM 16QAM_Edge_1RB_Left;PC2_SUM	21.95	26.49
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;7,CP-OFDM 16QAM_Edge_1RB_Right;PC2_SUM	22.04	26.58
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;8,CP-OFDM 16QAM_Outer_Full;PC2_SUM	21.3	25.84
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;9,CP-OFDM 64QAM_Edge_1RB_Left;PC2_SUM	20.47	25.01
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;10,CP-OFDM 64QAM_Edge_1RB_Right;PC2_SUM	20.48	25.02
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;11,CP-OFDM 64QAM_Outer_Full;PC2_SUM	19.75	24.29
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;12,CP-OFDM 256QAM_Edge_1RB_Left;PC2_SUM	17.96	22.52
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;13,CP-OFDM 256QAM_Edge_1RB_Right;PC2_SUM	18	22.54
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 650000;14,CP-OFDM 256QAM_Outer_Full;PC2_SUM	17.63	22.17
NR UL MIMO	n78	653000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 653000;1,CP-OFDM QPSK_Inner_Full;PC2_SUM	23.89	28.43
NR UL MIMO	n78	653000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 653000;2,CP-OFDM QPSK_Edge_1RB_Left;PC2_SUM	22.12	26.66
NR UL MIMO	n78	653000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 653000;3,CP-OFDM QPSK_Edge_1RB_Right;PC2_SUM	22.08	26.62
NR UL MIMO	n78	653000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 653000;4,CP-OFDM QPSK_Outer_Full;PC2_SUM	21.28	25.82
NR UL MIMO	n78	653000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 653000;5,CP-OFDM 16QAM_Inner_Full;PC2_SUM	23.52	28.06
NR UL MIMO	n78	653000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 653000;6,CP-OFDM 16QAM_Edge_1RB_Left;PC2_SUM	22.12	26.66
NR UL MIMO	n78	653000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 653000;7,CP-OFDM 16QAM_Edge_1RB_Right;PC2_SUM	22.14	26.68
NR UL MIMO	n78	653000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 653000;8,CP-OFDM 16QAM_Outer_Full;PC2_SUM	21.3	25.84
NR UL MIMO	n78	653000	6.2D.2 UE maximum output power reduction:n78	10MHz 30kHz 653000;9,CP-OFDM 64QAM_Edge_1RB_Left;PC2_SUM	20.55	25.0

Page 107 of 143

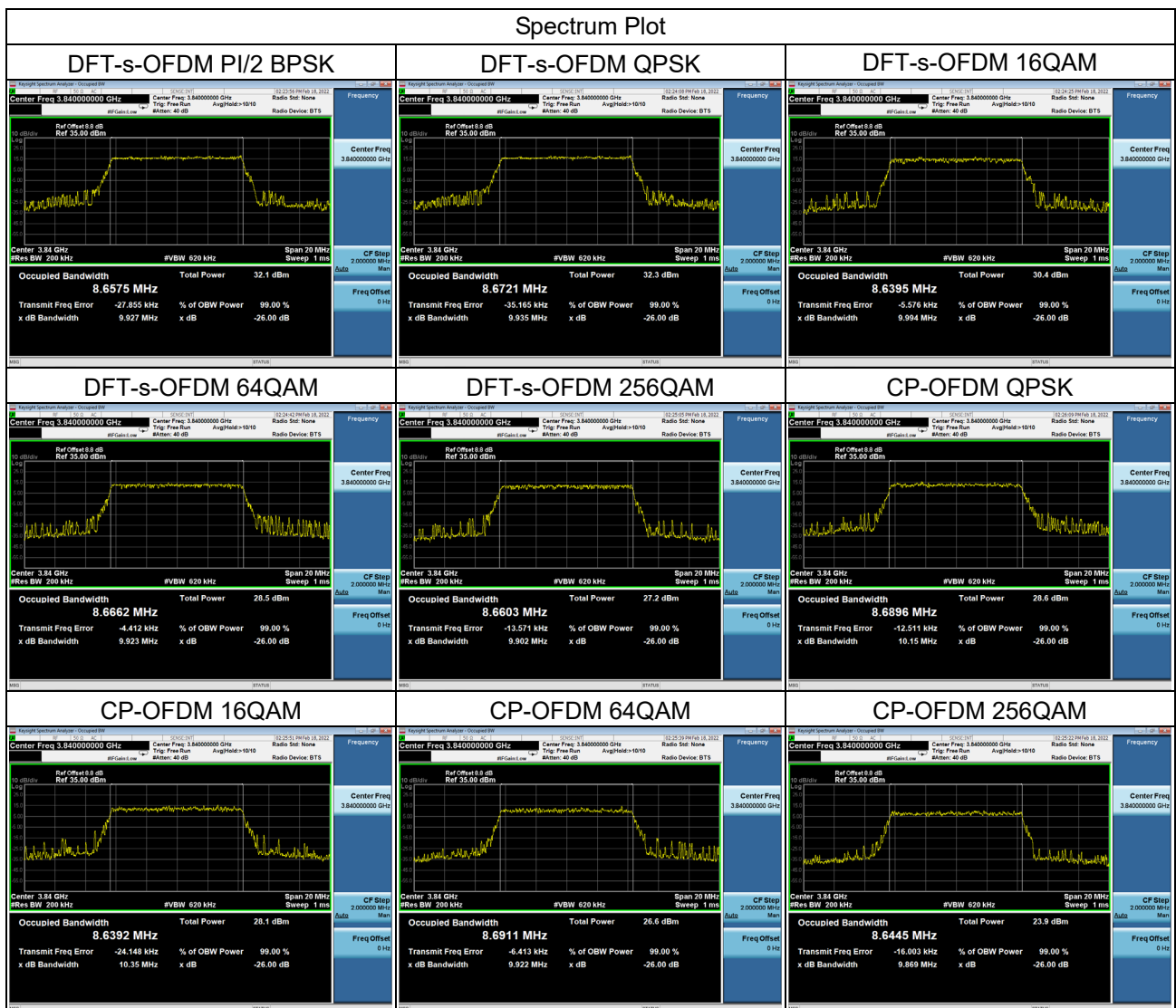
Page 108 of 143

Page 109 of 143

System	Band	Channel	TestItem	Measured Value	EIRP
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;7;CP-OFDM 16QAM_Edge_1RB_Right;PC2_SUM	22.14	26.68
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;8;CP-OFDM 16QAM_Outer_Full;PC2_SUM	22.06	26.6
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;9;CP-OFDM 64QAM_Edge_1RB_Left;PC2_SUM	20.93	25.47
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;10;CP-OFDM 64QAM_Edge_1RB_Right;PC2_SUM	20.58	25.12
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;11;CP-OFDM 64QAM_Outer_Full;PC2_SUM	20.57	25.11
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;12;CP-OFDM 256QAM_Edge_1RB_Left;PC2_SUM	18.5	23.04
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;13;CP-OFDM 256QAM_Edge_1RB_Right;PC2_SUM	18.16	22.7
NR UL MIMO	n78	650000	6.2D.2 UE maximum output power reduction:n78_100MHz_30kHz_650000;14;CP-OFDM 256QAM_Outer_Full;PC2_SUM	18.55	23.09

APPENDIX B - OCCUPIED BANDWIDTH

NR n77_CH656000_10MHz		
Modulation	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
DFT-s-OFDM PI/2 BPSK	8.6575	9.927
DFT-s-OFDM QPSK	8.6721	9.935
DFT-s-OFDM 16QAM	8.9395	9.994
DFT-s-OFDM 64QAM	8.6662	9.923
DFT-s-OFDM 256QAM	8.6603	9.902
CP-OFDM QPSK	8.6896	10.15
CP-OFDM 16QAM	8.6392	10.35
CP-OFDM 64QAM	8.6911	9.922
CP-OFDM 256QAM	8.6445	9.869



NR n77_CH656000_15MHz		
Modulation	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
DFT-s-OFDM PI/2 BPSK	12.893	14.78
DFT-s-OFDM QPSK	12.962	14.60
DFT-s-OFDM 16QAM	12.978	14.54
DFT-s-OFDM 64QAM	12.978	14.87
DFT-s-OFDM 256QAM	12.928	14.88
CP-OFDM QPSK	13.640	15.02
CP-OFDM 16QAM	13.608	15.13
CP-OFDM 64QAM	13.660	15.30
CP-OFDM 256QAM	13.657	14.93

