

Peak-to-Average Power Ratio

PC 3

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	PAPR (dB)
n2	15	5	370500	25@0	DFT_BPSK	3.87
n2	15	5	370500	25@0	DFT_QPSK	5.19
n2	15	5	370500	25@0	DFT_16QAM	6.21
n2	15	5	370500	25@0	DFT_64QAM	6.53
n2	15	5	370500	25@0	DFT_256QAM	6.52
n2	15	5	370500	25@0	CP_QPSK	7.32
n2	15	5	370500	25@0	CP_16QAM	7.43
n2	15	5	370500	25@0	CP_64QAM	7.14
n2	15	5	370500	25@0	CP_256QAM	8.38
n2	15	5	376000	25@0	DFT_BPSK	4.09
n2	15	5	376000	25@0	DFT_QPSK	5.21
n2	15	5	376000	25@0	DFT_16QAM	6.19
n2	15	5	376000	25@0	DFT_64QAM	6.54
n2	15	5	376000	25@0	DFT_256QAM	6.5
n2	15	5	376000	25@0	CP_QPSK	7.36
n2	15	5	376000	25@0	CP_16QAM	7.49
n2	15	5	376000	25@0	CP_64QAM	7.41
n2	15	5	376000	25@0	CP_256QAM	8.38
n2	15	5	381500	25@0	DFT_BPSK	4.09
n2	15	5	381500	25@0	DFT_QPSK	5.35
n2	15	5	381500	25@0	DFT_16QAM	6.27
n2	15	5	381500	25@0	DFT_64QAM	6.56
n2	15	5	381500	25@0	DFT_256QAM	6.51
n2	15	5	381500	25@0	CP_QPSK	6.79
n2	15	5	381500	25@0	CP_16QAM	7
n2	15	5	381500	25@0	CP_64QAM	7.44
n2	15	5	381500	25@0	CP_256QAM	8.43
n2	15	10	371000	50@0	DFT_BPSK	4.4
n2	15	10	371000	50@0	DFT_QPSK	5.49
n2	15	10	371000	50@0	DFT_16QAM	6.42
n2	15	10	371000	50@0	DFT_64QAM	6.51
n2	15	10	371000	50@0	DFT_256QAM	6.68
n2	15	10	371000	52@0	CP_QPSK	7.21
n2	15	10	371000	52@0	CP_16QAM	7.42
n2	15	10	371000	52@0	CP_64QAM	7.88
n2	15	10	371000	52@0	CP_256QAM	8.56
n2	15	10	376000	50@0	DFT_BPSK	4.15
n2	15	10	376000	50@0	DFT_QPSK	5.5
n2	15	10	376000	50@0	DFT_16QAM	6.41

n2	15	10	376000	50@0	DFT_64QAM	6.51
n2	15	10	376000	50@0	DFT_256QAM	6.66
n2	15	10	376000	52@0	CP_QPSK	7.22
n2	15	10	376000	52@0	CP_16QAM	7.36
n2	15	10	376000	52@0	CP_64QAM	7.34
n2	15	10	376000	52@0	CP_256QAM	8.51
n2	15	10	381000	50@0	DFT_BPSK	4.26
n2	15	10	381000	50@0	DFT_QPSK	5.32
n2	15	10	381000	50@0	DFT_16QAM	6.3
n2	15	10	381000	50@0	DFT_64QAM	6.46
n2	15	10	381000	50@0	DFT_256QAM	6.68
n2	15	10	381000	52@0	CP_QPSK	6.91
n2	15	10	381000	52@0	CP_16QAM	7.05
n2	15	10	381000	52@0	CP_64QAM	7.58
n2	15	10	381000	52@0	CP_256QAM	8.6
n2	15	15	371500	75@0	DFT_BPSK	4.4
n2	15	15	371500	75@0	DFT_QPSK	5.56
n2	15	15	371500	75@0	DFT_16QAM	6.46
n2	15	15	371500	75@0	DFT_64QAM	6.59
n2	15	15	371500	75@0	DFT_256QAM	6.78
n2	15	15	371500	79@0	CP_QPSK	7.28
n2	15	15	371500	79@0	CP_16QAM	7.42
n2	15	15	371500	79@0	CP_64QAM	7.83
n2	15	15	371500	79@0	CP_256QAM	8.44
n2	15	15	376000	75@0	DFT_BPSK	3.95
n2	15	15	376000	75@0	DFT_QPSK	5.54
n2	15	15	376000	75@0	DFT_16QAM	6.37
n2	15	15	376000	75@0	DFT_64QAM	6.53
n2	15	15	376000	75@0	DFT_256QAM	6.7
n2	15	15	376000	79@0	CP_QPSK	7.25
n2	15	15	376000	79@0	CP_16QAM	7.42
n2	15	15	376000	79@0	CP_64QAM	7.31
n2	15	15	376000	79@0	CP_256QAM	8.46
n2	15	15	380500	75@0	DFT_BPSK	4.09
n2	15	15	380500	75@0	DFT_QPSK	5.41
n2	15	15	380500	75@0	DFT_16QAM	6.29
n2	15	15	380500	75@0	DFT_64QAM	6.52
n2	15	15	380500	75@0	DFT_256QAM	6.7
n2	15	15	380500	79@0	CP_QPSK	7.63
n2	15	15	380500	79@0	CP_16QAM	7.14
n2	15	15	380500	79@0	CP_64QAM	7.58
n2	15	15	380500	79@0	CP_256QAM	8.46
n2	15	20	372000	100@0	DFT_BPSK	4.58
n2	15	20	372000	100@0	DFT_QPSK	5.7

n2	15	20	372000	100@0	DFT_16QAM	6.54
n2	15	20	372000	100@0	DFT_64QAM	6.63
n2	15	20	372000	100@0	DFT_256QAM	6.85
n2	15	20	372000	106@0	CP_QPSK	7.42
n2	15	20	372000	106@0	CP_16QAM	7.53
n2	15	20	372000	106@0	CP_64QAM	7.28
n2	15	20	372000	106@0	CP_256QAM	8.39
n2	15	20	376000	100@0	DFT_BPSK	3.98
n2	15	20	376000	100@0	DFT_QPSK	5.58
n2	15	20	376000	100@0	DFT_16QAM	6.39
n2	15	20	376000	100@0	DFT_64QAM	6.43
n2	15	20	376000	100@0	DFT_256QAM	6.71
n2	15	20	376000	106@0	CP_QPSK	7.16
n2	15	20	376000	106@0	CP_16QAM	7.3
n2	15	20	376000	106@0	CP_64QAM	7.25
n2	15	20	376000	106@0	CP_256QAM	8.47
n2	15	20	380000	100@0	DFT_BPSK	4.11
n2	15	20	380000	100@0	DFT_QPSK	5.42
n2	15	20	380000	100@0	DFT_16QAM	6.31
n2	15	20	380000	100@0	DFT_64QAM	6.39
n2	15	20	380000	100@0	DFT_256QAM	6.8
n2	15	20	380000	106@0	CP_QPSK	7.62
n2	15	20	380000	106@0	CP_16QAM	7.73
n2	15	20	380000	106@0	CP_64QAM	7.58
n2	15	20	380000	106@0	CP_256QAM	8.51
n5	15	5	165300	25@0	DFT_BPSK	4.02
n5	15	5	165300	25@0	DFT_QPSK	4.93
n5	15	5	165300	25@0	DFT_16QAM	5.83
n5	15	5	165300	25@0	DFT_64QAM	6.15
n5	15	5	165300	25@0	DFT_256QAM	6.39
n5	15	5	165300	25@0	CP_QPSK	6.69
n5	15	5	165300	25@0	CP_16QAM	6.79
n5	15	5	165300	25@0	CP_64QAM	7.24
n5	15	5	165300	25@0	CP_256QAM	8.43
n5	15	5	167300	25@0	DFT_BPSK	4.28
n5	15	5	167300	25@0	DFT_QPSK	5.53
n5	15	5	167300	25@0	DFT_16QAM	6.37
n5	15	5	167300	25@0	DFT_64QAM	6.54
n5	15	5	167300	25@0	DFT_256QAM	6.48
n5	15	5	167300	25@0	CP_QPSK	7.13
n5	15	5	167300	25@0	CP_16QAM	7.3
n5	15	5	167300	25@0	CP_64QAM	7.71
n5	15	5	167300	25@0	CP_256QAM	8.51
n5	15	5	169300	25@0	DFT_BPSK	3.97

n5	15	5	169300	25@0	DFT_QPSK	5.18
n5	15	5	169300	25@0	DFT_16QAM	6.08
n5	15	5	169300	25@0	DFT_64QAM	6.35
n5	15	5	169300	25@0	DFT_256QAM	6.45
n5	15	5	169300	25@0	CP_QPSK	7.31
n5	15	5	169300	25@0	CP_16QAM	7.4
n5	15	5	169300	25@0	CP_64QAM	7.3
n5	15	5	169300	25@0	CP_256QAM	8.45
n5	15	10	165800	50@0	DFT_BPSK	4.07
n5	15	10	165800	50@0	DFT_QPSK	5.05
n5	15	10	165800	50@0	DFT_16QAM	5.97
n5	15	10	165800	50@0	DFT_64QAM	6.19
n5	15	10	165800	50@0	DFT_256QAM	6.59
n5	15	10	165800	52@0	CP_QPSK	7.06
n5	15	10	165800	52@0	CP_16QAM	7.13
n5	15	10	165800	52@0	CP_64QAM	7.09
n5	15	10	165800	52@0	CP_256QAM	8.65
n5	15	10	167300	50@0	DFT_BPSK	4.27
n5	15	10	167300	50@0	DFT_QPSK	5.32
n5	15	10	167300	50@0	DFT_16QAM	6.31
n5	15	10	167300	50@0	DFT_64QAM	6.39
n5	15	10	167300	50@0	DFT_256QAM	6.58
n5	15	10	167300	52@0	CP_QPSK	6.94
n5	15	10	167300	52@0	CP_16QAM	7.19
n5	15	10	167300	52@0	CP_64QAM	7.64
n5	15	10	167300	52@0	CP_256QAM	8.61
n5	15	10	168800	50@0	DFT_BPSK	4.28
n5	15	10	168800	50@0	DFT_QPSK	5.26
n5	15	10	168800	50@0	DFT_16QAM	6.16
n5	15	10	168800	50@0	DFT_64QAM	6.31
n5	15	10	168800	50@0	DFT_256QAM	6.6
n5	15	10	168800	52@0	CP_QPSK	7.34
n5	15	10	168800	52@0	CP_16QAM	7.42
n5	15	10	168800	52@0	CP_64QAM	7.41
n5	15	10	168800	52@0	CP_256QAM	8.53
n5	15	15	166300	75@0	DFT_BPSK	4.27
n5	15	15	166300	75@0	DFT_QPSK	5.26
n5	15	15	166300	75@0	DFT_16QAM	6.14
n5	15	15	166300	75@0	DFT_64QAM	6.4
n5	15	15	166300	75@0	DFT_256QAM	6.64
n5	15	15	166300	79@0	CP_QPSK	7.41
n5	15	15	166300	79@0	CP_16QAM	7.51
n5	15	15	166300	79@0	CP_64QAM	7.32
n5	15	15	166300	79@0	CP_256QAM	8.46

n5	15	15	167300	75@0	DFT_BPSK	4.09
n5	15	15	167300	75@0	DFT_QPSK	5.29
n5	15	15	167300	75@0	DFT_16QAM	6.18
n5	15	15	167300	75@0	DFT_64QAM	6.42
n5	15	15	167300	75@0	DFT_256QAM	6.64
n5	15	15	167300	79@0	CP_QPSK	6.88
n5	15	15	167300	79@0	CP_16QAM	7.04
n5	15	15	167300	79@0	CP_64QAM	7.55
n5	15	15	167300	79@0	CP_256QAM	8.47
n5	15	15	168300	75@0	DFT_BPSK	4.31
n5	15	15	168300	75@0	DFT_QPSK	5.43
n5	15	15	168300	75@0	DFT_16QAM	6.18
n5	15	15	168300	75@0	DFT_64QAM	6.47
n5	15	15	168300	75@0	DFT_256QAM	6.64
n5	15	15	168300	79@0	CP_QPSK	7.55
n5	15	15	168300	79@0	CP_16QAM	7.68
n5	15	15	168300	79@0	CP_64QAM	7.46
n5	15	15	168300	79@0	CP_256QAM	8.47
n5	15	20	166800	100@0	DFT_BPSK	4.1
n5	15	20	166800	100@0	DFT_QPSK	5.29
n5	15	20	166800	100@0	DFT_16QAM	6.17
n5	15	20	166800	100@0	DFT_64QAM	6.31
n5	15	20	166800	100@0	DFT_256QAM	6.65
n5	15	20	166800	106@0	CP_QPSK	7.42
n5	15	20	166800	106@0	CP_16QAM	7.49
n5	15	20	166800	106@0	CP_64QAM	7.37
n5	15	20	166800	106@0	CP_256QAM	8.49
n5	15	20	167300	100@0	DFT_BPSK	4.05
n5	15	20	167300	100@0	DFT_QPSK	5.26
n5	15	20	167300	100@0	DFT_16QAM	6.08
n5	15	20	167300	100@0	DFT_64QAM	6.32
n5	15	20	167300	100@0	DFT_256QAM	6.66
n5	15	20	167300	106@0	CP_QPSK	7.53
n5	15	20	167300	106@0	CP_16QAM	7.61
n5	15	20	167300	106@0	CP_64QAM	7.44
n5	15	20	167300	106@0	CP_256QAM	8.46
n5	15	20	167800	100@0	DFT_BPSK	4.13
n5	15	20	167800	100@0	DFT_QPSK	5.34
n5	15	20	167800	100@0	DFT_16QAM	6.14
n5	15	20	167800	100@0	DFT_64QAM	6.33
n5	15	20	167800	100@0	DFT_256QAM	6.65
n5	15	20	167800	106@0	CP_QPSK	7.48
n5	15	20	167800	106@0	CP_16QAM	7.62
n5	15	20	167800	106@0	CP_64QAM	7.48

n5	15	20	167800	106@0	CP_256QAM	8.47
n7	15	5	500500	25@0	DFT_BPSK	3.35
n7	15	5	500500	25@0	DFT_QPSK	4.46
n7	15	5	500500	25@0	DFT_16QAM	5.26
n7	15	5	500500	25@0	DFT_64QAM	5.65
n7	15	5	500500	25@0	DFT_256QAM	6.14
n7	15	5	500500	25@0	CP_QPSK	6.44
n7	15	5	500500	25@0	CP_16QAM	6.63
n7	15	5	500500	25@0	CP_64QAM	6.36
n7	15	5	500500	25@0	CP_256QAM	8.23
n7	15	5	507000	25@0	DFT_BPSK	3.49
n7	15	5	507000	25@0	DFT_QPSK	4.61
n7	15	5	507000	25@0	DFT_16QAM	5.58
n7	15	5	507000	25@0	DFT_64QAM	5.93
n7	15	5	507000	25@0	DFT_256QAM	6.45
n7	15	5	507000	25@0	CP_QPSK	6.56
n7	15	5	507000	25@0	CP_16QAM	6.75
n7	15	5	507000	25@0	CP_64QAM	6.69
n7	15	5	507000	25@0	CP_256QAM	8.44
n7	15	5	513500	25@0	DFT_BPSK	3.32
n7	15	5	513500	25@0	DFT_QPSK	4.25
n7	15	5	513500	25@0	DFT_16QAM	5.17
n7	15	5	513500	25@0	DFT_64QAM	5.55
n7	15	5	513500	25@0	DFT_256QAM	6.32
n7	15	5	513500	25@0	CP_QPSK	6.13
n7	15	5	513500	25@0	CP_16QAM	6.2
n7	15	5	513500	25@0	CP_64QAM	6.63
n7	15	5	513500	25@0	CP_256QAM	8.23
n7	15	10	501000	50@0	DFT_BPSK	3.45
n7	15	10	501000	50@0	DFT_QPSK	4.62
n7	15	10	501000	50@0	DFT_16QAM	5.54
n7	15	10	501000	50@0	DFT_64QAM	5.78
n7	15	10	501000	50@0	DFT_256QAM	6.4
n7	15	10	501000	52@0	CP_QPSK	6.22
n7	15	10	501000	52@0	CP_16QAM	6.41
n7	15	10	501000	52@0	CP_64QAM	6.81
n7	15	10	501000	52@0	CP_256QAM	8.45
n7	15	10	507000	50@0	DFT_BPSK	3.75
n7	15	10	507000	50@0	DFT_QPSK	4.7
n7	15	10	507000	50@0	DFT_16QAM	5.6
n7	15	10	507000	50@0	DFT_64QAM	5.9
n7	15	10	507000	50@0	DFT_256QAM	6.63
n7	15	10	507000	52@0	CP_QPSK	6.72
n7	15	10	507000	52@0	CP_16QAM	6.81

n7	15	10	507000	52@0	CP_64QAM	6.79
n7	15	10	507000	52@0	CP_256QAM	8.62
n7	15	10	513000	50@0	DFT_BPSK	3.58
n7	15	10	513000	50@0	DFT_QPSK	4.42
n7	15	10	513000	50@0	DFT_16QAM	5.41
n7	15	10	513000	50@0	DFT_64QAM	5.63
n7	15	10	513000	50@0	DFT_256QAM	6.49
n7	15	10	513000	52@0	CP_QPSK	6.34
n7	15	10	513000	52@0	CP_16QAM	6.44
n7	15	10	513000	52@0	CP_64QAM	6.86
n7	15	10	513000	52@0	CP_256QAM	8.45
n7	15	15	501500	75@0	DFT_BPSK	3.79
n7	15	15	501500	75@0	DFT_QPSK	4.86
n7	15	15	501500	75@0	DFT_16QAM	5.73
n7	15	15	501500	75@0	DFT_64QAM	5.98
n7	15	15	501500	75@0	DFT_256QAM	6.5
n7	15	15	501500	79@0	CP_QPSK	6.57
n7	15	15	501500	79@0	CP_16QAM	6.67
n7	15	15	501500	79@0	CP_64QAM	7.05
n7	15	15	501500	79@0	CP_256QAM	8.37
n7	15	15	507000	75@0	DFT_BPSK	3.7
n7	15	15	507000	75@0	DFT_QPSK	5.08
n7	15	15	507000	75@0	DFT_16QAM	5.95
n7	15	15	507000	75@0	DFT_64QAM	6.03
n7	15	15	507000	75@0	DFT_256QAM	6.65
n7	15	15	507000	79@0	CP_QPSK	6.8
n7	15	15	507000	79@0	CP_16QAM	6.93
n7	15	15	507000	79@0	CP_64QAM	6.85
n7	15	15	507000	79@0	CP_256QAM	8.54
n7	15	15	512500	75@0	DFT_BPSK	3.76
n7	15	15	512500	75@0	DFT_QPSK	4.68
n7	15	15	512500	75@0	DFT_16QAM	5.53
n7	15	15	512500	75@0	DFT_64QAM	5.88
n7	15	15	512500	75@0	DFT_256QAM	6.63
n7	15	15	512500	79@0	CP_QPSK	6.59
n7	15	15	512500	79@0	CP_16QAM	6.68
n7	15	15	512500	79@0	CP_64QAM	7.12
n7	15	15	512500	79@0	CP_256QAM	8.4
n7	15	20	502000	100@0	DFT_BPSK	3.72
n7	15	20	502000	100@0	DFT_QPSK	4.79
n7	15	20	502000	100@0	DFT_16QAM	5.66
n7	15	20	502000	100@0	DFT_64QAM	5.91
n7	15	20	502000	100@0	DFT_256QAM	6.6
n7	15	20	502000	106@0	CP_QPSK	6.85

n7	15	20	502000	106@0	CP_16QAM	6.87
n7	15	20	502000	106@0	CP_64QAM	6.85
n7	15	20	502000	106@0	CP_256QAM	8.41
n7	15	20	507000	100@0	DFT_BPSK	3.9
n7	15	20	507000	100@0	DFT_QPSK	4.99
n7	15	20	507000	100@0	DFT_16QAM	5.89
n7	15	20	507000	100@0	DFT_64QAM	6.1
n7	15	20	507000	100@0	DFT_256QAM	6.73
n7	15	20	507000	106@0	CP_QPSK	7.01
n7	15	20	507000	106@0	CP_16QAM	7.05
n7	15	20	507000	106@0	CP_64QAM	7
n7	15	20	507000	106@0	CP_256QAM	8.49
n7	15	20	512000	100@0	DFT_BPSK	3.77
n7	15	20	512000	100@0	DFT_QPSK	4.92
n7	15	20	512000	100@0	DFT_16QAM	5.74
n7	15	20	512000	100@0	DFT_64QAM	6.01
n7	15	20	512000	100@0	DFT_256QAM	6.78
n7	15	20	512000	106@0	CP_QPSK	6.97
n7	15	20	512000	106@0	CP_16QAM	7.02
n7	15	20	512000	106@0	CP_64QAM	6.92
n7	15	20	512000	106@0	CP_256QAM	8.45
n12	15	5	140300	25@0	DFT_BPSK	4.29
n12	15	5	140300	25@0	DFT_QPSK	5.66
n12	15	5	140300	25@0	DFT_16QAM	6.55
n12	15	5	140300	25@0	DFT_64QAM	6.72
n12	15	5	140300	25@0	DFT_256QAM	6.62
n12	15	5	140300	25@0	CP_QPSK	7.83
n12	15	5	140300	25@0	CP_16QAM	7.98
n12	15	5	140300	25@0	CP_64QAM	7.55
n12	15	5	140300	25@0	CP_256QAM	8.73
n12	15	5	141500	25@0	DFT_BPSK	4.2
n12	15	5	141500	25@0	DFT_QPSK	5.54
n12	15	5	141500	25@0	DFT_16QAM	6.46
n12	15	5	141500	25@0	DFT_64QAM	6.69
n12	15	5	141500	25@0	DFT_256QAM	6.6
n12	15	5	141500	25@0	CP_QPSK	7.69
n12	15	5	141500	25@0	CP_16QAM	7.85
n12	15	5	141500	25@0	CP_64QAM	7.38
n12	15	5	141500	25@0	CP_256QAM	8.67
n12	15	5	142700	25@0	DFT_BPSK	3.96
n12	15	5	142700	25@0	DFT_QPSK	5.31
n12	15	5	142700	25@0	DFT_16QAM	6.31
n12	15	5	142700	25@0	DFT_64QAM	6.61
n12	15	5	142700	25@0	DFT_256QAM	6.54

n12	15	5	142700	25@0	CP_QPSK	7.4
n12	15	5	142700	25@0	CP_16QAM	7.57
n12	15	5	142700	25@0	CP_64QAM	7.99
n12	15	5	142700	25@0	CP_256QAM	8.63
n12	15	10	140800	50@0	DFT_BPSK	4.37
n12	15	10	140800	50@0	DFT_QPSK	5.64
n12	15	10	140800	50@0	DFT_16QAM	6.49
n12	15	10	140800	50@0	DFT_64QAM	6.65
n12	15	10	140800	50@0	DFT_256QAM	6.83
n12	15	10	140800	52@0	CP_QPSK	7.73
n12	15	10	140800	52@0	CP_16QAM	7.88
n12	15	10	140800	52@0	CP_64QAM	7.64
n12	15	10	140800	52@0	CP_256QAM	8.99
n12	15	10	141500	50@0	DFT_BPSK	4.3
n12	15	10	141500	50@0	DFT_QPSK	5.56
n12	15	10	141500	50@0	DFT_16QAM	6.46
n12	15	10	141500	50@0	DFT_64QAM	6.63
n12	15	10	141500	50@0	DFT_256QAM	6.82
n12	15	10	141500	52@0	CP_QPSK	7.6
n12	15	10	141500	52@0	CP_16QAM	7.75
n12	15	10	141500	52@0	CP_64QAM	7.46
n12	15	10	141500	52@0	CP_256QAM	8.89
n12	15	10	142200	50@0	DFT_BPSK	4.13
n12	15	10	142200	50@0	DFT_QPSK	5.45
n12	15	10	142200	50@0	DFT_16QAM	6.39
n12	15	10	142200	50@0	DFT_64QAM	6.59
n12	15	10	142200	50@0	DFT_256QAM	6.74
n12	15	10	142200	52@0	CP_QPSK	7.54
n12	15	10	142200	52@0	CP_16QAM	7.64
n12	15	10	142200	52@0	CP_64QAM	7.39
n12	15	10	142200	52@0	CP_256QAM	8.79
n12	15	15	141300	75@0	DFT_BPSK	4.09
n12	15	15	141300	75@0	DFT_QPSK	5.47
n12	15	15	141300	75@0	DFT_16QAM	6.4
n12	15	15	141300	75@0	DFT_64QAM	6.66
n12	15	15	141300	75@0	DFT_256QAM	6.86
n12	15	15	141300	79@0	CP_QPSK	7.55
n12	15	15	141300	79@0	CP_16QAM	7.73
n12	15	15	141300	79@0	CP_64QAM	8.16
n12	15	15	141300	79@0	CP_256QAM	8.67
n12	15	15	141500	75@0	DFT_BPSK	4.14
n12	15	15	141500	75@0	DFT_QPSK	5.48
n12	15	15	141500	75@0	DFT_16QAM	6.43
n12	15	15	141500	75@0	DFT_64QAM	6.64

n12	15	15	141500	75@0	DFT_256QAM	6.82
n12	15	15	141500	79@0	CP_QPSK	7.59
n12	15	15	141500	79@0	CP_16QAM	7.79
n12	15	15	141500	79@0	CP_64QAM	7.36
n12	15	15	141500	79@0	CP_256QAM	8.66
n12	15	15	141700	75@0	DFT_BPSK	4.43
n12	15	15	141700	75@0	DFT_QPSK	5.65
n12	15	15	141700	75@0	DFT_16QAM	6.49
n12	15	15	141700	75@0	DFT_64QAM	6.64
n12	15	15	141700	75@0	DFT_256QAM	6.78
n12	15	15	141700	79@0	CP_QPSK	7.5
n12	15	15	141700	79@0	CP_16QAM	7.69
n12	15	15	141700	79@0	CP_64QAM	8.07
n12	15	15	141700	79@0	CP_256QAM	8.65
n25	15	5	370500	25@0	DFT_BPSK	3.75
n25	15	5	370500	25@0	DFT_QPSK	5.14
n25	15	5	370500	25@0	DFT_16QAM	6.15
n25	15	5	370500	25@0	DFT_64QAM	6.48
n25	15	5	370500	25@0	DFT_256QAM	6.52
n25	15	5	370500	25@0	CP_QPSK	7.23
n25	15	5	370500	25@0	CP_16QAM	7.37
n25	15	5	370500	25@0	CP_64QAM	7.05
n25	15	5	370500	25@0	CP_256QAM	8.36
n25	15	5	376500	25@0	DFT_BPSK	3.93
n25	15	5	376500	25@0	DFT_QPSK	5.14
n25	15	5	376500	25@0	DFT_16QAM	6.4
n25	15	5	376500	25@0	DFT_64QAM	6.51
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n25	15	5	376500	25@0	CP_QPSK	7.38
n25	15	5	376500	25@0	CP_16QAM	7.38
n25	15	5	376500	25@0	CP_64QAM	7.3
n25	15	5	376500	25@0	CP_256QAM	8.38
n25	15	5	382500	25@0	DFT_BPSK	3.97
n25	15	5	382500	25@0	DFT_QPSK	5.53
n25	15	5	382500	25@0	DFT_16QAM	6.2
n25	15	5	382500	25@0	DFT_64QAM	6.54
n25	15	5	382500	25@0	DFT_256QAM	6.6
n25	15	5	382500	25@0	CP_QPSK	7.34
n25	15	5	382500	25@0	CP_16QAM	7.5
n25	15	5	382500	25@0	CP_64QAM	7.29
n25	15	5	382500	25@0	CP_256QAM	8.56
n25	15	10	371000	50@0	DFT_BPSK	4.44
n25	15	10	371000	50@0	DFT_QPSK	5.5
n25	15	10	371000	50@0	DFT_16QAM	6.46

n25	15	10	371000	50@0	DFT_64QAM	6.53
n25	15	10	371000	50@0	DFT_256QAM	6.7
n25	15	10	371000	52@0	CP_QPSK	7.31
n25	15	10	371000	52@0	CP_16QAM	7.46
n25	15	10	371000	52@0	CP_64QAM	7.22
n25	15	10	371000	52@0	CP_256QAM	8.67
n25	15	10	376500	50@0	DFT_BPSK	4.15
n25	15	10	376500	50@0	DFT_QPSK	5.31
n25	15	10	376500	50@0	DFT_16QAM	6.2
n25	15	10	376500	50@0	DFT_64QAM	6.39
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n25	15	10	376500	52@0	CP_QPSK	7.26
n25	15	10	376500	52@0	CP_16QAM	7.42
n25	15	10	376500	52@0	CP_64QAM	7.39
n25	15	10	376500	52@0	CP_256QAM	8.48
n25	15	10	382000	50@0	DFT_BPSK	4.4
n25	15	10	382000	50@0	DFT_QPSK	5.41
n25	15	10	382000	50@0	DFT_16QAM	6.4
n25	15	10	382000	50@0	DFT_64QAM	6.52
n25	15	10	382000	50@0	DFT_256QAM	6.69
n25	15	10	382000	52@0	CP_QPSK	7.15
n25	15	10	382000	52@0	CP_16QAM	7.38
n25	15	10	382000	52@0	CP_64QAM	7.2
n25	15	10	382000	52@0	CP_256QAM	8.6
n25	15	15	371500	75@0	DFT_BPSK	4.43
n25	15	15	371500	75@0	DFT_QPSK	5.58
n25	15	15	371500	75@0	DFT_16QAM	6.47
n25	15	15	371500	75@0	DFT_64QAM	6.61
n25	15	15	371500	75@0	DFT_256QAM	6.78
n25	15	15	371500	79@0	CP_QPSK	7.28
n25	15	15	371500	79@0	CP_16QAM	7.42
n25	15	15	371500	79@0	CP_64QAM	7.77
n25	15	15	371500	79@0	CP_256QAM	8.43
n25	15	15	376500	75@0	DFT_BPSK	4.3
n25	15	15	376500	75@0	DFT_QPSK	5.49
n25	15	15	376500	75@0	DFT_16QAM	6.4
n25	15	15	376500	75@0	DFT_64QAM	6.55
n25	15	15	376500	75@0	DFT_256QAM	6.7
n25	15	15	376500	79@0	CP_QPSK	7.11
n25	15	15	376500	79@0	CP_16QAM	7.32
n25	15	15	376500	79@0	CP_64QAM	7.22
n25	15	15	376500	79@0	CP_256QAM	8.46
n25	15	15	381500	75@0	DFT_BPSK	4.34
n25	15	15	381500	75@0	DFT_QPSK	5.46

n25	15	15	381500	75@0	DFT_16QAM	6.13
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n25	15	15	381500	75@0	DFT_256QAM	6.75
n25	15	15	381500	79@0	CP_QPSK	7.33
n25	15	15	381500	79@0	CP_16QAM	7.53
n25	15	15	381500	79@0	CP_64QAM	7.29
n25	15	15	381500	79@0	CP_256QAM	8.4
n25	15	20	372000	100@0	DFT_BPSK	4.56
n25	15	20	372000	100@0	DFT_QPSK	5.69
n25	15	20	372000	100@0	DFT_16QAM	6.49
n25	15	20	372000	100@0	DFT_64QAM	6.62
n25	15	20	372000	100@0	DFT_256QAM	6.79
n25	15	20	372000	106@0	CP_QPSK	7.45
n25	15	20	372000	106@0	CP_16QAM	7.53
n25	15	20	372000	106@0	CP_64QAM	7.28
n25	15	20	372000	106@0	CP_256QAM	8.5
n25	15	20	376500	100@0	DFT_BPSK	4.32
n25	15	20	376500	100@0	DFT_QPSK	5.53
n25	15	20	376500	100@0	DFT_16QAM	6.39
n25	15	20	376500	100@0	DFT_64QAM	6.49
n25	15	20	376500	100@0	DFT_256QAM	6.73
n25	15	20	376500	106@0	CP_QPSK	7.09
n25	15	20	376500	106@0	CP_16QAM	7.24
n25	15	20	376500	106@0	CP_64QAM	7.2
n25	15	20	376500	106@0	CP_256QAM	8.43
n25	15	20	381000	100@0	DFT_BPSK	4.09
n25	15	20	381000	100@0	DFT_QPSK	5.32
n25	15	20	381000	100@0	DFT_16QAM	6.26
n25	15	20	381000	100@0	DFT_64QAM	6.41
n25	15	20	381000	100@0	DFT_256QAM	6.84
n25	15	20	381000	106@0	CP_QPSK	7.49
n25	15	20	381000	106@0	CP_16QAM	7.59
n25	15	20	381000	106@0	CP_64QAM	7.44
n25	15	20	381000	106@0	CP_256QAM	8.44
n38	30	20	516000	50@0	DFT_BPSK	4.46
n38	30	20	516000	50@0	DFT_QPSK	5.62
n38	30	20	516000	50@0	DFT_16QAM	6.46
n38	30	20	516000	50@0	DFT_64QAM	6.78
n38	30	20	516000	50@0	DFT_256QAM	6.85
n38	30	20	516000	51@0	CP_QPSK	7.54
n38	30	20	516000	51@0	CP_16QAM	7.68
n38	30	20	516000	51@0	CP_64QAM	7.6
n38	30	20	516000	51@0	CP_256QAM	9.02
n38	30	20	519000	50@0	DFT_BPSK	4.75

n38	30	20	519000	50@0	DFT_QPSK	5.87
n38	30	20	519000	50@0	DFT_16QAM	6.57
n38	30	20	519000	50@0	DFT_64QAM	6.89
n38	30	20	519000	50@0	DFT_256QAM	6.87
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n38	30	20	519000	51@0	CP_16QAM	7.53
n38	30	20	519000	51@0	CP_64QAM	8.08
n38	30	20	519000	51@0	CP_256QAM	9.01
n38	30	20	522000	50@0	DFT_BPSK	4.68
n38	30	20	522000	50@0	DFT_QPSK	5.83
n38	30	20	522000	50@0	DFT_16QAM	6.6
n38	30	20	522000	50@0	DFT_64QAM	6.92
n38	30	20	522000	50@0	DFT_256QAM	6.87
n38	30	20	522000	51@0	CP_QPSK	7.83
n38	30	20	522000	51@0	CP_16QAM	7.97
n38	30	20	522000	51@0	CP_64QAM	7.86
n38	30	20	522000	51@0	CP_256QAM	9.04
n38	30	30	517000	75@0	DFT_BPSK	4.17
n38	30	30	517000	75@0	DFT_QPSK	5.78
n38	30	30	517000	75@0	DFT_16QAM	6.62
n38	30	30	517000	75@0	DFT_64QAM	6.78
n38	30	30	517000	75@0	DFT_256QAM	6.9
n38	30	30	517000	78@0	CP_QPSK	7.45
n38	30	30	517000	78@0	CP_16QAM	7.48
n38	30	30	517000	78@0	CP_64QAM	8.04
n38	30	30	517000	78@0	CP_256QAM	8.92
n38	30	30	519000	75@0	DFT_BPSK	4.61
n38	30	30	519000	75@0	DFT_QPSK	5.81
n38	30	30	519000	75@0	DFT_16QAM	6.66
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n38	30	30	519000	78@0	CP_QPSK	7.33
n38	30	30	519000	78@0	CP_16QAM	7.33
n38	30	30	519000	78@0	CP_64QAM	7.91
n38	30	30	519000	78@0	CP_256QAM	8.82
n38	30	30	521000	75@0	DFT_BPSK	4.58
n38	30	30	521000	75@0	DFT_QPSK	5.81
n38	30	30	521000	75@0	DFT_16QAM	6.66
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n38	30	30	521000	75@0	DFT_256QAM	6.93
n38	30	30	521000	78@0	CP_QPSK	7.95
n38	30	30	521000	78@0	CP_16QAM	7.93
n38	30	30	521000	78@0	CP_64QAM	7.78
n38	30	30	521000	78@0	CP_256QAM	8.89

n38	30	40	518000	100@0	DFT_BPSK	4.61
n38	30	40	518000	100@0	DFT_QPSK	5.71
n38	30	40	518000	100@0	DFT_16QAM	6.61
n38	30	40	518000	100@0	DFT_64QAM	6.8
n38	30	40	518000	100@0	DFT_256QAM	6.88
n38	30	40	518000	106@0	CP_QPSK	7.33
n38	30	40	518000	106@0	CP_16QAM	7.52
n38	30	40	518000	106@0	CP_64QAM	7.94
n38	30	40	518000	106@0	CP_256QAM	8.93
n38	30	40	519000	100@0	DFT_BPSK	4.63
n38	30	40	519000	100@0	DFT_QPSK	5.77
n38	30	40	519000	100@0	DFT_16QAM	6.63
n38	30	40	519000	100@0	DFT_64QAM	6.83
n38	30	40	519000	100@0	DFT_256QAM	6.9
n38	30	40	519000	106@0	CP_QPSK	7.33
n38	30	40	519000	106@0	CP_16QAM	7.5
n38	30	40	519000	106@0	CP_64QAM	7.9
n38	30	40	519000	106@0	CP_256QAM	8.86
n38	30	40	520000	100@0	DFT_BPSK	4.63
n38	30	40	520000	100@0	DFT_QPSK	5.78
n38	30	40	520000	100@0	DFT_16QAM	6.62
n38	30	40	520000	100@0	DFT_64QAM	6.81
n38	30	40	520000	100@0	DFT_256QAM	6.93
n38	30	40	520000	106@0	CP_QPSK	7.27
n38	30	40	520000	106@0	CP_16QAM	7.44
n38	30	40	520000	106@0	CP_64QAM	7.84
n38	30	40	520000	106@0	CP_256QAM	8.9
n41	30	20	501204	50@0	DFT_BPSK	4.59
n41	30	20	501204	50@0	DFT_QPSK	5.77
n41	30	20	501204	50@0	DFT_16QAM	6.58
n41	30	20	501204	50@0	DFT_64QAM	6.86
n41	30	20	501204	50@0	DFT_256QAM	7
n41	30	20	501204	51@0	CP_QPSK	7.76
n41	30	20	501204	51@0	CP_16QAM	7.88
n41	30	20	501204	51@0	CP_64QAM	7.74
n41	30	20	501204	51@0	CP_256QAM	9.12
n41	30	20	518598	50@0	DFT_BPSK	4.53
n41	30	20	518598	50@0	DFT_QPSK	5.65
n41	30	20	518598	50@0	DFT_16QAM	6.48
n41	30	20	518598	50@0	DFT_64QAM	6.82
n41	30	20	518598	50@0	DFT_256QAM	6.86
n41	30	20	518598	51@0	CP_QPSK	7.59
n41	30	20	518598	51@0	CP_16QAM	7.7
n41	30	20	518598	51@0	CP_64QAM	7.59

n41	30	20	518598	51@0	CP_256QAM	9
n41	30	20	535998	50@0	DFT_BPSK	4.65
n41	30	20	535998	50@0	DFT_QPSK	5.74
n41	30	20	535998	50@0	DFT_16QAM	6.49
n41	30	20	535998	50@0	DFT_64QAM	6.83
n41	30	20	535998	50@0	DFT_256QAM	6.85
n41	30	20	535998	51@0	CP_QPSK	7.27
n41	30	20	535998	51@0	CP_16QAM	7.42
n41	30	20	535998	51@0	CP_64QAM	7.91
n41	30	20	535998	51@0	CP_256QAM	9.02
n41	30	30	502200	75@0	DFT_BPSK	4.59
n41	30	30	502200	75@0	DFT_QPSK	5.86
n41	30	30	502200	75@0	DFT_16QAM	6.68
n41	30	30	502200	75@0	DFT_64QAM	6.9
n41	30	30	502200	75@0	DFT_256QAM	7
n41	30	30	502200	78@0	CP_QPSK	7.99
n41	30	30	502200	78@0	CP_16QAM	7.96
n41	30	30	502200	78@0	CP_64QAM	7.82
n41	30	30	502200	78@0	CP_256QAM	9.02
n41	30	30	518598	75@0	DFT_BPSK	4.36
n41	30	30	518598	75@0	DFT_QPSK	5.58
n41	30	30	518598	75@0	DFT_16QAM	6.51
n41	30	30	518598	75@0	DFT_64QAM	6.84
n41	30	30	518598	75@0	DFT_256QAM	6.98
n41	30	30	518598	78@0	CP_QPSK	7.62
n41	30	30	518598	78@0	CP_16QAM	7.63
n41	30	30	518598	78@0	CP_64QAM	8.13
n41	30	30	518598	78@0	CP_256QAM	8.94
n41	30	30	534996	75@0	DFT_BPSK	4.33
n41	30	30	534996	75@0	DFT_QPSK	5.78
n41	30	30	534996	75@0	DFT_16QAM	6.58
n41	30	30	534996	75@0	DFT_64QAM	6.75
n41	30	30	534996	75@0	DFT_256QAM	6.99
n41	30	30	534996	78@0	CP_QPSK	7.55
n41	30	30	534996	78@0	CP_16QAM	7.51
n41	30	30	534996	78@0	CP_64QAM	8.06
n41	30	30	534996	78@0	CP_256QAM	8.89
n41	30	40	503202	100@0	DFT_BPSK	4.61
n41	30	40	503202	100@0	DFT_QPSK	5.8
n41	30	40	503202	100@0	DFT_16QAM	6.65
n41	30	40	503202	100@0	DFT_64QAM	6.9
n41	30	40	503202	100@0	DFT_256QAM	7
n41	30	40	503202	106@0	CP_QPSK	8
n41	30	40	503202	106@0	CP_16QAM	8.09

n41	30	40	503202	106@0	CP_64QAM	7.8
n41	30	40	503202	106@0	CP_256QAM	9.11
n41	30	40	518598	100@0	DFT_BPSK	4.39
n41	30	40	518598	100@0	DFT_QPSK	5.56
n41	30	40	518598	100@0	DFT_16QAM	6.47
n41	30	40	518598	100@0	DFT_64QAM	6.88
n41	30	40	518598	100@0	DFT_256QAM	7.03
n41	30	40	518598	106@0	CP_QPSK	7.59
n41	30	40	518598	106@0	CP_16QAM	7.71
n41	30	40	518598	106@0	CP_64QAM	8.08
n41	30	40	518598	106@0	CP_256QAM	8.97
n41	30	40	534000	100@0	DFT_BPSK	4.49
n41	30	40	534000	100@0	DFT_QPSK	5.58
n41	30	40	534000	100@0	DFT_16QAM	6.52
n41	30	40	534000	100@0	DFT_64QAM	6.77
n41	30	40	534000	100@0	DFT_256QAM	7.02
n41	30	40	534000	106@0	CP_QPSK	7.67
n41	30	40	534000	106@0	CP_16QAM	7.78
n41	30	40	534000	106@0	CP_64QAM	7.46
n41	30	40	534000	106@0	CP_256QAM	9
n41	30	50	504204	128@0	DFT_BPSK	5.13
n41	30	50	504204	128@0	DFT_QPSK	5.84
n41	30	50	504204	128@0	DFT_16QAM	6.67
n41	30	50	504204	128@0	DFT_64QAM	6.87
n41	30	50	504204	128@0	DFT_256QAM	7.05
n41	30	50	504204	133@0	CP_QPSK	7.58
n41	30	50	504204	133@0	CP_16QAM	7.58
n41	30	50	504204	133@0	CP_64QAM	8.1
n41	30	50	504204	133@0	CP_256QAM	9.26
n41	30	50	518598	128@0	DFT_BPSK	4.46
n41	30	50	518598	128@0	DFT_QPSK	5.51
n41	30	50	518598	128@0	DFT_16QAM	6.46
n41	30	50	518598	128@0	DFT_64QAM	6.9
n41	30	50	518598	128@0	DFT_256QAM	7.08
n41	30	50	518598	133@0	CP_QPSK	7.6
n41	30	50	518598	133@0	CP_16QAM	7.6
n41	30	50	518598	133@0	CP_64QAM	8.13
n41	30	50	518598	133@0	CP_256QAM	9.16
n41	30	50	532998	128@0	DFT_BPSK	4.57
n41	30	50	532998	128@0	DFT_QPSK	5.71
n41	30	50	532998	128@0	DFT_16QAM	6.53
n41	30	50	532998	128@0	DFT_64QAM	6.8
n41	30	50	532998	128@0	DFT_256QAM	7.04
n41	30	50	532998	133@0	CP_QPSK	7.87

n41	30	50	532998	133@0	CP_16QAM	7.81
n41	30	50	532998	133@0	CP_64QAM	7.71
n41	30	50	532998	133@0	CP_256QAM	9.19
n41	30	60	505200	162@0	DFT_BPSK	4.16
n41	30	60	505200	162@0	DFT_QPSK	5.87
n41	30	60	505200	162@0	DFT_16QAM	6.6
n41	30	60	505200	162@0	DFT_64QAM	6.99
n41	30	60	505200	162@0	DFT_256QAM	6.94
n41	30	60	505200	162@0	CP_QPSK	7.6
n41	30	60	505200	162@0	CP_16QAM	7.65
n41	30	60	505200	162@0	CP_64QAM	8.2
n41	30	60	505200	162@0	CP_256QAM	8.92
n41	30	60	518598	162@0	DFT_BPSK	4.16
n41	30	60	518598	162@0	DFT_QPSK	5.89
n41	30	60	518598	162@0	DFT_16QAM	6.57
n41	30	60	518598	162@0	DFT_64QAM	6.9
n41	30	60	518598	162@0	DFT_256QAM	6.96
n41	30	60	518598	162@0	CP_QPSK	7.6
n41	30	60	518598	162@0	CP_16QAM	7.61
n41	30	60	518598	162@0	CP_64QAM	8.14
n41	30	60	518598	162@0	CP_256QAM	8.93
n41	30	60	531996	162@0	DFT_BPSK	4.53
n41	30	60	531996	162@0	DFT_QPSK	5.69
n41	30	60	531996	162@0	DFT_16QAM	6.52
n41	30	60	531996	162@0	DFT_64QAM	6.88
n41	30	60	531996	162@0	DFT_256QAM	6.94
n41	30	60	531996	162@0	CP_QPSK	8
n41	30	60	531996	162@0	CP_16QAM	8.03
n41	30	60	531996	162@0	CP_64QAM	7.85
n41	30	60	531996	162@0	CP_256QAM	9.01
n41	30	80	507204	216@0	DFT_BPSK	4.27
n41	30	80	507204	216@0	DFT_QPSK	5.78
n41	30	80	507204	216@0	DFT_16QAM	6.61
n41	30	80	507204	216@0	DFT_64QAM	6.83
n41	30	80	507204	216@0	DFT_256QAM	6.83
n41	30	80	507204	217@0	CP_QPSK	7.69
n41	30	80	507204	217@0	CP_16QAM	7.64
n41	30	80	507204	217@0	CP_64QAM	8.17
n41	30	80	507204	217@0	CP_256QAM	8.86
n41	30	80	518598	216@0	DFT_BPSK	4.12
n41	30	80	518598	216@0	DFT_QPSK	5.79
n41	30	80	518598	216@0	DFT_16QAM	6.61
n41	30	80	518598	216@0	DFT_64QAM	6.81
n41	30	80	518598	216@0	DFT_256QAM	6.82

n41	30	80	518598	217@0	CP_QPSK	7.59
n41	30	80	518598	217@0	CP_16QAM	7.54
n41	30	80	518598	217@0	CP_64QAM	8.11
n41	30	80	518598	217@0	CP_256QAM	8.84
n41	30	80	529998	216@0	DFT_BPSK	4.77
n41	30	80	529998	216@0	DFT_QPSK	5.76
n41	30	80	529998	216@0	DFT_16QAM	6.59
n41	30	80	529998	216@0	DFT_64QAM	6.85
n41	30	80	529998	216@0	DFT_256QAM	6.85
n41	30	80	529998	217@0	CP_QPSK	7.45
n41	30	80	529998	217@0	CP_16QAM	7.46
n41	30	80	529998	217@0	CP_64QAM	8.06
n41	30	80	529998	217@0	CP_256QAM	8.86
n41	30	100	509202	270@0	DFT_BPSK	4.18
n41	30	100	509202	270@0	DFT_QPSK	5.82
n41	30	100	509202	270@0	DFT_16QAM	6.53
n41	30	100	509202	270@0	DFT_64QAM	6.85
n41	30	100	509202	270@0	DFT_256QAM	6.97
n41	30	100	509202	273@0	CP_QPSK	7.77
n41	30	100	509202	273@0	CP_16QAM	7.73
n41	30	100	509202	273@0	CP_64QAM	8.24
n41	30	100	509202	273@0	CP_256QAM	8.93
n41	30	100	518598	270@0	DFT_BPSK	4.17
n41	30	100	518598	270@0	DFT_QPSK	5.78
n41	30	100	518598	270@0	DFT_16QAM	6.52
n41	30	100	518598	270@0	DFT_64QAM	6.82
n41	30	100	518598	270@0	DFT_256QAM	6.93
n41	30	100	518598	273@0	CP_QPSK	7.58
n41	30	100	518598	273@0	CP_16QAM	7.59
n41	30	100	518598	273@0	CP_64QAM	8.1
n41	30	100	518598	273@0	CP_256QAM	8.93
n41	30	100	528000	270@0	DFT_BPSK	4.34
n41	30	100	528000	270@0	DFT_QPSK	5.43
n41	30	100	528000	270@0	DFT_16QAM	6.53
n41	30	100	528000	270@0	DFT_64QAM	6.81
n41	30	100	528000	270@0	DFT_256QAM	6.94
n41	30	100	528000	273@0	CP_QPSK	7.75
n41	30	100	528000	273@0	CP_16QAM	7.72
n41	30	100	528000	273@0	CP_64QAM	8.23
n41	30	100	528000	273@0	CP_256QAM	8.93
n48	30	20	637334	50@0	DFT_BPSK	4.39
n48	30	20	637334	50@0	DFT_QPSK	4.95
n48	30	20	637334	50@0	DFT_16QAM	5.9
n48	30	20	637334	50@0	DFT_64QAM	6.49

n48	30	20	637334	50@0	DFT_256QAM	6.69
n48	30	20	637334	51@0	CP_QPSK	6.9
n48	30	20	637334	51@0	CP_16QAM	6.93
n48	30	20	637334	51@0	CP_64QAM	7.35
n48	30	20	637334	51@0	CP_256QAM	8.71
n48	30	20	641666	50@0	DFT_BPSK	4.56
n48	30	20	641666	50@0	DFT_QPSK	5.25
n48	30	20	641666	50@0	DFT_16QAM	6.11
n48	30	20	641666	50@0	DFT_64QAM	6.59
n48	30	20	641666	50@0	DFT_256QAM	6.62
n48	30	20	641666	51@0	CP_QPSK	7.18
n48	30	20	641666	51@0	CP_16QAM	7.16
n48	30	20	641666	51@0	CP_64QAM	7.6
n48	30	20	641666	51@0	CP_256QAM	8.55
n48	30	20	646000	50@0	DFT_BPSK	4.23
n48	30	20	646000	50@0	DFT_QPSK	4.81
n48	30	20	646000	50@0	DFT_16QAM	5.77
n48	30	20	646000	50@0	DFT_64QAM	6.31
n48	30	20	646000	50@0	DFT_256QAM	6.54
n48	30	20	646000	51@0	CP_QPSK	6.81
n48	30	20	646000	51@0	CP_16QAM	6.84
n48	30	20	646000	51@0	CP_64QAM	7.27
n48	30	20	646000	51@0	CP_256QAM	8.48
n48	30	40	638000	100@0	DFT_BPSK	4.64
n48	30	40	638000	100@0	DFT_QPSK	5.44
n48	30	40	638000	100@0	DFT_16QAM	6.39
n48	30	40	638000	100@0	DFT_64QAM	6.65
n48	30	40	638000	100@0	DFT_256QAM	6.7
n48	30	40	638000	106@0	CP_QPSK	7.37
n48	30	40	638000	106@0	CP_16QAM	7.57
n48	30	40	638000	106@0	CP_64QAM	7.96
n48	30	40	638000	106@0	CP_256QAM	8.55
n48	30	40	641666	100@0	DFT_BPSK	3.99
n48	30	40	641666	100@0	DFT_QPSK	4.86
n48	30	40	641666	100@0	DFT_16QAM	5.93
n48	30	40	641666	100@0	DFT_64QAM	6.28
n48	30	40	641666	100@0	DFT_256QAM	6.55
n48	30	40	641666	106@0	CP_QPSK	6.94
n48	30	40	641666	106@0	CP_16QAM	7.13
n48	30	40	641666	106@0	CP_64QAM	7.57
n48	30	40	641666	106@0	CP_256QAM	8.54
n48	30	40	645332	100@0	DFT_BPSK	3.86
n48	30	40	645332	100@0	DFT_QPSK	4.6
n48	30	40	645332	100@0	DFT_16QAM	5.74

n48	30	40	645332	100@0	DFT_64QAM	6.12
n48	30	40	645332	100@0	DFT_256QAM	6.54
n48	30	40	645332	106@0	CP_QPSK	6.71
n48	30	40	645332	106@0	CP_16QAM	8.17
n48	30	40	645332	106@0	CP_64QAM	7.32
n48	30	40	645332	106@0	CP_256QAM	8.49
n66	15	5	342500	25@0	DFT_BPSK	4.42
n66	15	5	342500	25@0	DFT_QPSK	5.62
n66	15	5	342500	25@0	DFT_16QAM	6.55
n66	15	5	342500	25@0	DFT_64QAM	6.77
n66	15	5	342500	25@0	DFT_256QAM	6.63
n66	15	5	342500	25@0	CP_QPSK	7.33
n66	15	5	342500	25@0	CP_16QAM	7.51
n66	15	5	342500	25@0	CP_64QAM	7.16
n66	15	5	342500	25@0	CP_256QAM	8.61
n66	15	5	349000	25@0	DFT_BPSK	3.99
n66	15	5	349000	25@0	DFT_QPSK	5.28
n66	15	5	349000	25@0	DFT_16QAM	6.29
n66	15	5	349000	25@0	DFT_64QAM	6.63
n66	15	5	349000	25@0	DFT_256QAM	6.61
n66	15	5	349000	25@0	CP_QPSK	7.46
n66	15	5	349000	25@0	CP_16QAM	7.62
n66	15	5	349000	25@0	CP_64QAM	7.4
n66	15	5	349000	25@0	CP_256QAM	8.51
n66	15	5	355500	25@0	DFT_BPSK	3.93
n66	15	5	355500	25@0	DFT_QPSK	5.14
n66	15	5	355500	25@0	DFT_16QAM	6.16
n66	15	5	355500	25@0	DFT_64QAM	6.52
n66	15	5	355500	25@0	DFT_256QAM	6.62
n66	15	5	355500	25@0	CP_QPSK	7.36
n66	15	5	355500	25@0	CP_16QAM	7.48
n66	15	5	355500	25@0	CP_64QAM	7.31
n66	15	5	355500	25@0	CP_256QAM	8.51
n66	15	10	343000	50@0	DFT_BPSK	4.56
n66	15	10	343000	50@0	DFT_QPSK	5.63
n66	15	10	343000	50@0	DFT_16QAM	6.59
n66	15	10	343000	50@0	DFT_64QAM	6.69
n66	15	10	343000	50@0	DFT_256QAM	6.82
n66	15	10	343000	52@0	CP_QPSK	7.33
n66	15	10	343000	52@0	CP_16QAM	7.55
n66	15	10	343000	52@0	CP_64QAM	8.05
n66	15	10	343000	52@0	CP_256QAM	8.79
n66	15	10	349000	50@0	DFT_BPSK	4.17
n66	15	10	349000	50@0	DFT_QPSK	5.37

n66	15	10	349000	50@0	DFT_16QAM	6.29
n66	15	10	349000	50@0	DFT_64QAM	6.52
n66	15	10	349000	50@0	DFT_256QAM	6.79
n66	15	10	349000	52@0	CP_QPSK	7.54
n66	15	10	349000	52@0	CP_16QAM	7.53
n66	15	10	349000	52@0	CP_64QAM	7.51
n66	15	10	349000	52@0	CP_256QAM	8.64
n66	15	10	355000	50@0	DFT_BPSK	4.34
n66	15	10	355000	50@0	DFT_QPSK	5.42
n66	15	10	355000	50@0	DFT_16QAM	6.36
n66	15	10	355000	50@0	DFT_64QAM	6.51
n66	15	10	355000	50@0	DFT_256QAM	6.73
n66	15	10	355000	52@0	CP_QPSK	7
n66	15	10	355000	52@0	CP_16QAM	7.12
n66	15	10	355000	52@0	CP_64QAM	7.68
n66	15	10	355000	52@0	CP_256QAM	8.63
n66	15	15	343500	75@0	DFT_BPSK	4.28
n66	15	15	343500	75@0	DFT_QPSK	5.54
n66	15	15	343500	75@0	DFT_16QAM	6.52
n66	15	15	343500	75@0	DFT_64QAM	6.7
n66	15	15	343500	75@0	DFT_256QAM	6.85
n66	15	15	343500	79@0	CP_QPSK	7.82
n66	15	15	343500	79@0	CP_16QAM	7.99
n66	15	15	343500	79@0	CP_64QAM	7.76
n66	15	15	343500	79@0	CP_256QAM	8.48
n66	15	15	349000	75@0	DFT_BPSK	4.06
n66	15	15	349000	75@0	DFT_QPSK	5.59
n66	15	15	349000	75@0	DFT_16QAM	6.42
n66	15	15	349000	75@0	DFT_64QAM	6.61
n66	15	15	349000	75@0	DFT_256QAM	6.87
n66	15	15	349000	79@0	CP_QPSK	7.5
n66	15	15	349000	79@0	CP_16QAM	7.77
n66	15	15	349000	79@0	CP_64QAM	7.45
n66	15	15	349000	79@0	CP_256QAM	8.51
n66	15	15	354500	75@0	DFT_BPSK	4.26
n66	15	15	354500	75@0	DFT_QPSK	5.49
n66	15	15	354500	75@0	DFT_16QAM	6.33
n66	15	15	354500	75@0	DFT_64QAM	6.58
n66	15	15	354500	75@0	DFT_256QAM	6.74
n66	15	15	354500	79@0	CP_QPSK	7.16
n66	15	15	354500	79@0	CP_16QAM	7.29
n66	15	15	354500	79@0	CP_64QAM	7.68
n66	15	15	354500	79@0	CP_256QAM	8.54
n66	15	20	344000	100@0	DFT_BPSK	4.35

n66	15	20	344000	100@0	DFT_QPSK	5.57
n66	15	20	344000	100@0	DFT_16QAM	6.39
n66	15	20	344000	100@0	DFT_64QAM	6.64
n66	15	20	344000	100@0	DFT_256QAM	6.97
n66	15	20	344000	106@0	CP_QPSK	7.71
n66	15	20	344000	106@0	CP_16QAM	7.8
n66	15	20	344000	106@0	CP_64QAM	7.7
n66	15	20	344000	106@0	CP_256QAM	8.58
n66	15	20	349000	100@0	DFT_BPSK	4.13
n66	15	20	349000	100@0	DFT_QPSK	5.43
n66	15	20	349000	100@0	DFT_16QAM	6.42
n66	15	20	349000	100@0	DFT_64QAM	6.51
n66	15	20	349000	100@0	DFT_256QAM	6.82
n66	15	20	349000	106@0	CP_QPSK	7.46
n66	15	20	349000	106@0	CP_16QAM	7.61
n66	15	20	349000	106@0	CP_64QAM	7.5
n66	15	20	349000	106@0	CP_256QAM	8.55
n66	15	20	354000	100@0	DFT_BPSK	4.07
n66	15	20	354000	100@0	DFT_QPSK	5.63
n66	15	20	354000	100@0	DFT_16QAM	6.42
n66	15	20	354000	100@0	DFT_64QAM	6.44
n66	15	20	354000	100@0	DFT_256QAM	6.86
n66	15	20	354000	106@0	CP_QPSK	7.31
n66	15	20	354000	106@0	CP_16QAM	7.4
n66	15	20	354000	106@0	CP_64QAM	7.33
n66	15	20	354000	106@0	CP_256QAM	8.49
n71	15	5	133100	25@0	DFT_BPSK	4
n71	15	5	133100	25@0	DFT_QPSK	5.23
n71	15	5	133100	25@0	DFT_16QAM	6.2
n71	15	5	133100	25@0	DFT_64QAM	6.6
n71	15	5	133100	25@0	DFT_256QAM	6.62
n71	15	5	133100	25@0	CP_QPSK	7.28
n71	15	5	133100	25@0	CP_16QAM	7.53
n71	15	5	133100	25@0	CP_64QAM	7.84
n71	15	5	133100	25@0	CP_256QAM	8.76
n71	15	5	136100	25@0	DFT_BPSK	4.18
n71	15	5	136100	25@0	DFT_QPSK	5.29
n71	15	5	136100	25@0	DFT_16QAM	6.21
n71	15	5	136100	25@0	DFT_64QAM	6.49
n71	15	5	136100	25@0	DFT_256QAM	6.55
n71	15	5	136100	25@0	CP_QPSK	7.03
n71	15	5	136100	25@0	CP_16QAM	7.19
n71	15	5	136100	25@0	CP_64QAM	7.62
n71	15	5	136100	25@0	CP_256QAM	8.69

n71	15	5	139100	25@0	DFT_BPSK	4.05
n71	15	5	139100	25@0	DFT_QPSK	5.33
n71	15	5	139100	25@0	DFT_16QAM	6.2
n71	15	5	139100	25@0	DFT_64QAM	6.52
n71	15	5	139100	25@0	DFT_256QAM	6.59
n71	15	5	139100	25@0	CP_QPSK	7.41
n71	15	5	139100	25@0	CP_16QAM	7.53
n71	15	5	139100	25@0	CP_64QAM	7.36
n71	15	5	139100	25@0	CP_256QAM	8.66
n71	15	10	133600	50@0	DFT_BPSK	3.86
n71	15	10	133600	50@0	DFT_QPSK	5.32
n71	15	10	133600	50@0	DFT_16QAM	6.18
n71	15	10	133600	50@0	DFT_64QAM	6.47
n71	15	10	133600	50@0	DFT_256QAM	6.76
n71	15	10	133600	52@0	CP_QPSK	7.35
n71	15	10	133600	52@0	CP_16QAM	7.64
n71	15	10	133600	52@0	CP_64QAM	8.02
n71	15	10	133600	52@0	CP_256QAM	8.99
n71	15	10	136100	50@0	DFT_BPSK	4.43
n71	15	10	136100	50@0	DFT_QPSK	5.31
n71	15	10	136100	50@0	DFT_16QAM	6.26
n71	15	10	136100	50@0	DFT_64QAM	6.42
n71	15	10	136100	50@0	DFT_256QAM	6.77
n71	15	10	136100	52@0	CP_QPSK	7.02
n71	15	10	136100	52@0	CP_16QAM	7.19
n71	15	10	136100	52@0	CP_64QAM	7.69
n71	15	10	136100	52@0	CP_256QAM	8.8
n71	15	10	138600	50@0	DFT_BPSK	4.14
n71	15	10	138600	50@0	DFT_QPSK	5.27
n71	15	10	138600	50@0	DFT_16QAM	6.2
n71	15	10	138600	50@0	DFT_64QAM	6.44
n71	15	10	138600	50@0	DFT_256QAM	6.8
n71	15	10	138600	52@0	CP_QPSK	7.3
n71	15	10	138600	52@0	CP_16QAM	7.53
n71	15	10	138600	52@0	CP_64QAM	7.3
n71	15	10	138600	52@0	CP_256QAM	8.77
n71	15	15	134100	75@0	DFT_BPSK	4.35
n71	15	15	134100	75@0	DFT_QPSK	5.57
n71	15	15	134100	75@0	DFT_16QAM	6.43
n71	15	15	134100	75@0	DFT_64QAM	6.48
n71	15	15	134100	75@0	DFT_256QAM	7
n71	15	15	134100	79@0	CP_QPSK	7.77
n71	15	15	134100	79@0	CP_16QAM	7.91
n71	15	15	134100	79@0	CP_64QAM	7.86

n71	15	15	134100	79@0	CP_256QAM	8.62
n71	15	15	136100	75@0	DFT_BPSK	4.5
n71	15	15	136100	75@0	DFT_QPSK	5.45
n71	15	15	136100	75@0	DFT_16QAM	6.31
n71	15	15	136100	75@0	DFT_64QAM	6.56
n71	15	15	136100	75@0	DFT_256QAM	6.77
n71	15	15	136100	79@0	CP_QPSK	7.19
n71	15	15	136100	79@0	CP_16QAM	7.32
n71	15	15	136100	79@0	CP_64QAM	7.72
n71	15	15	136100	79@0	CP_256QAM	8.7
n71	15	15	138100	75@0	DFT_BPSK	4.14
n71	15	15	138100	75@0	DFT_QPSK	5.36
n71	15	15	138100	75@0	DFT_16QAM	6.22
n71	15	15	138100	75@0	DFT_64QAM	6.57
n71	15	15	138100	75@0	DFT_256QAM	6.78
n71	15	15	138100	79@0	CP_QPSK	7.44
n71	15	15	138100	79@0	CP_16QAM	7.58
n71	15	15	138100	79@0	CP_64QAM	7.94
n71	15	15	138100	79@0	CP_256QAM	8.65
n71	15	20	134600	100@0	DFT_BPSK	4.69
n71	15	20	134600	100@0	DFT_QPSK	5.66
n71	15	20	134600	100@0	DFT_16QAM	6.44
n71	15	20	134600	100@0	DFT_64QAM	6.59
n71	15	20	134600	100@0	DFT_256QAM	6.89
n71	15	20	134600	106@0	CP_QPSK	7.9
n71	15	20	134600	106@0	CP_16QAM	7.91
n71	15	20	134600	106@0	CP_64QAM	7.87
n71	15	20	134600	106@0	CP_256QAM	8.72
n71	15	20	136100	100@0	DFT_BPSK	4.5
n71	15	20	136100	100@0	DFT_QPSK	5.58
n71	15	20	136100	100@0	DFT_16QAM	6.38
n71	15	20	136100	100@0	DFT_64QAM	6.53
n71	15	20	136100	100@0	DFT_256QAM	6.81
n71	15	20	136100	106@0	CP_QPSK	7.12
n71	15	20	136100	106@0	CP_16QAM	7.22
n71	15	20	136100	106@0	CP_64QAM	7.79
n71	15	20	136100	106@0	CP_256QAM	8.73
n71	15	20	137600	100@0	DFT_BPSK	4.05
n71	15	20	137600	100@0	DFT_QPSK	5.29
n71	15	20	137600	100@0	DFT_16QAM	6.19
n71	15	20	137600	100@0	DFT_64QAM	6.35
n71	15	20	137600	100@0	DFT_256QAM	6.76
n71	15	20	137600	106@0	CP_QPSK	7.37
n71	15	20	137600	106@0	CP_16QAM	7.47

n71	15	20	137600	106@0	CP_64QAM	7.96
n71	15	20	137600	106@0	CP_256QAM	8.65
n77(3450-3550)	30	20	630668	50@0	DFT_BPSK	4.39
n77(3450-3550)	30	20	630668	50@0	DFT_QPSK	5.07
n77(3450-3550)	30	20	630668	50@0	DFT_16QAM	6.02
n77(3450-3550)	30	20	630668	50@0	DFT_64QAM	6.39
n77(3450-3550)	30	20	630668	50@0	DFT_256QAM	6.61
n77(3450-3550)	30	20	630668	51@0	CP_QPSK	7.08
n77(3450-3550)	30	20	630668	51@0	CP_16QAM	7.14
n77(3450-3550)	30	20	630668	51@0	CP_64QAM	7.53
n77(3450-3550)	30	20	630668	51@0	CP_256QAM	8.9
n77(3450-3550)	30	20	633334	50@0	DFT_BPSK	4.51
n77(3450-3550)	30	20	633334	50@0	DFT_QPSK	5.2
n77(3450-3550)	30	20	633334	50@0	DFT_16QAM	6.12
n77(3450-3550)	30	20	633334	50@0	DFT_64QAM	6.48
n77(3450-3550)	30	20	633334	50@0	DFT_256QAM	6.64
n77(3450-3550)	30	20	633334	51@0	CP_QPSK	7.3
n77(3450-3550)	30	20	633334	51@0	CP_16QAM	7.24
n77(3450-3550)	30	20	633334	51@0	CP_64QAM	7.79
n77(3450-3550)	30	20	633334	51@0	CP_256QAM	8.9
n77(3450-3550)	30	20	636000	50@0	DFT_BPSK	4.56
n77(3450-3550)	30	20	636000	50@0	DFT_QPSK	5.43
n77(3450-3550)	30	20	636000	50@0	DFT_16QAM	6.35
n77(3450-3550)	30	20	636000	50@0	DFT_64QAM	6.5
n77(3450-3550)	30	20	636000	50@0	DFT_256QAM	6.63
n77(3450-3550)	30	20	636000	51@0	CP_QPSK	7.37
n77(3450-3550)	30	20	636000	51@0	CP_16QAM	7.72
n77(3450-3550)	30	20	636000	51@0	CP_64QAM	7.83
n77(3450-3550)	30	20	636000	51@0	CP_256QAM	8.58
n77(3450-3550)	30	30	631000	75@0	DFT_BPSK	3.98
n77(3450-3550)	30	30	631000	75@0	DFT_QPSK	4.56
n77(3450-3550)	30	30	631000	75@0	DFT_16QAM	5.57
n77(3450-3550)	30	30	631000	75@0	DFT_64QAM	6.07
n77(3450-3550)	30	30	631000	75@0	DFT_256QAM	6.65
n77(3450-3550)	30	30	631000	78@0	CP_QPSK	7.47
n77(3450-3550)	30	30	631000	78@0	CP_16QAM	7.49
n77(3450-3550)	30	30	631000	78@0	CP_64QAM	8.01
n77(3450-3550)	30	30	631000	78@0	CP_256QAM	8.61
n77(3450-3550)	30	30	633334	75@0	DFT_BPSK	4.22
n77(3450-3550)	30	30	633334	75@0	DFT_QPSK	4.84
n77(3450-3550)	30	30	633334	75@0	DFT_16QAM	5.79
n77(3450-3550)	30	30	633334	75@0	DFT_64QAM	6.29
n77(3450-3550)	30	30	633334	75@0	DFT_256QAM	6.64
n77(3450-3550)	30	30	633334	78@0	CP_QPSK	6.89

n77(3450-3550)	30	30	633334	78@0	CP_16QAM	7.88
n77(3450-3550)	30	30	633334	78@0	CP_64QAM	7.41
n77(3450-3550)	30	30	633334	78@0	CP_256QAM	8.57
n77(3450-3550)	30	30	635666	75@0	DFT_BPSK	4.48
n77(3450-3550)	30	30	635666	75@0	DFT_QPSK	5.28
n77(3450-3550)	30	30	635666	75@0	DFT_16QAM	6.17
n77(3450-3550)	30	30	635666	75@0	DFT_64QAM	6.43
n77(3450-3550)	30	30	635666	75@0	DFT_256QAM	6.7
n77(3450-3550)	30	30	635666	78@0	CP_QPSK	7.34
n77(3450-3550)	30	30	635666	78@0	CP_16QAM	7.37
n77(3450-3550)	30	30	635666	78@0	CP_64QAM	7.82
n77(3450-3550)	30	30	635666	78@0	CP_256QAM	8.52
n77(3450-3550)	30	40	631334	100@0	DFT_BPSK	4.4
n77(3450-3550)	30	40	631334	100@0	DFT_QPSK	5.2
n77(3450-3550)	30	40	631334	100@0	DFT_16QAM	6.19
n77(3450-3550)	30	40	631334	100@0	DFT_64QAM	6.46
n77(3450-3550)	30	40	631334	100@0	DFT_256QAM	7.17
n77(3450-3550)	30	40	631334	106@0	CP_QPSK	7.2
n77(3450-3550)	30	40	631334	106@0	CP_16QAM	7.31
n77(3450-3550)	30	40	631334	106@0	CP_64QAM	7.74
n77(3450-3550)	30	40	631334	106@0	CP_256QAM	8.6
n77(3450-3550)	30	40	633334	100@0	DFT_BPSK	4.3
n77(3450-3550)	30	40	633334	100@0	DFT_QPSK	4.87
n77(3450-3550)	30	40	633334	100@0	DFT_16QAM	5.85
n77(3450-3550)	30	40	633334	100@0	DFT_64QAM	6.28
n77(3450-3550)	30	40	633334	100@0	DFT_256QAM	6.72
n77(3450-3550)	30	40	633334	106@0	CP_QPSK	6.78
n77(3450-3550)	30	40	633334	106@0	CP_16QAM	7.45
n77(3450-3550)	30	40	633334	106@0	CP_64QAM	7.34
n77(3450-3550)	30	40	633334	106@0	CP_256QAM	8.79
n77(3450-3550)	30	40	635332	100@0	DFT_BPSK	4.45
n77(3450-3550)	30	40	635332	100@0	DFT_QPSK	5.29
n77(3450-3550)	30	40	635332	100@0	DFT_16QAM	6.28
n77(3450-3550)	30	40	635332	100@0	DFT_64QAM	6.48
n77(3450-3550)	30	40	635332	100@0	DFT_256QAM	6.68
n77(3450-3550)	30	40	635332	106@0	CP_QPSK	7.29
n77(3450-3550)	30	40	635332	106@0	CP_16QAM	7.51
n77(3450-3550)	30	40	635332	106@0	CP_64QAM	7.81
n77(3450-3550)	30	40	635332	106@0	CP_256QAM	8.82
n77(3450-3550)	30	60	632000	162@0	DFT_BPSK	4.66
n77(3450-3550)	30	60	632000	162@0	DFT_QPSK	5.4
n77(3450-3550)	30	60	632000	162@0	DFT_16QAM	6.28
n77(3450-3550)	30	60	632000	162@0	DFT_64QAM	6.65
n77(3450-3550)	30	60	632000	162@0	DFT_256QAM	6.72

n77(3450-3550)	30	60	632000	162@0	CP_QPSK	7.4
n77(3450-3550)	30	60	632000	162@0	CP_16QAM	7.37
n77(3450-3550)	30	60	632000	162@0	CP_64QAM	7.92
n77(3450-3550)	30	60	632000	162@0	CP_256QAM	8.55
n77(3450-3550)	30	60	633334	162@0	DFT_BPSK	4.56
n77(3450-3550)	30	60	633334	162@0	DFT_QPSK	5.23
n77(3450-3550)	30	60	633334	162@0	DFT_16QAM	6.12
n77(3450-3550)	30	60	633334	162@0	DFT_64QAM	6.58
n77(3450-3550)	30	60	633334	162@0	DFT_256QAM	6.74
n77(3450-3550)	30	60	633334	162@0	CP_QPSK	7.12
n77(3450-3550)	30	60	633334	162@0	CP_16QAM	7.12
n77(3450-3550)	30	60	633334	162@0	CP_64QAM	7.63
n77(3450-3550)	30	60	633334	162@0	CP_256QAM	8.45
n77(3450-3550)	30	60	634666	162@0	DFT_BPSK	4.33
n77(3450-3550)	30	60	634666	162@0	DFT_QPSK	4.86
n77(3450-3550)	30	60	634666	162@0	DFT_16QAM	5.85
n77(3450-3550)	30	60	634666	162@0	DFT_64QAM	6.35
n77(3450-3550)	30	60	634666	162@0	DFT_256QAM	6.64
n77(3450-3550)	30	60	634666	162@0	CP_QPSK	6.82
n77(3450-3550)	30	60	634666	162@0	CP_16QAM	6.8
n77(3450-3550)	30	60	634666	162@0	CP_64QAM	7.39
n77(3450-3550)	30	60	634666	162@0	CP_256QAM	8.45
n77(3450-3550)	30	80	632668	216@0	DFT_BPSK	4.7
n77(3450-3550)	30	80	632668	216@0	DFT_QPSK	5.22
n77(3450-3550)	30	80	632668	216@0	DFT_16QAM	6.16
n77(3450-3550)	30	80	632668	216@0	DFT_64QAM	6.51
n77(3450-3550)	30	80	632668	216@0	DFT_256QAM	6.65
n77(3450-3550)	30	80	632668	217@0	CP_QPSK	7.2
n77(3450-3550)	30	80	632668	217@0	CP_16QAM	7.23
n77(3450-3550)	30	80	632668	217@0	CP_64QAM	7.71
n77(3450-3550)	30	80	632668	217@0	CP_256QAM	9.07
n77(3450-3550)	30	80	633334	216@0	DFT_BPSK	4.6
n77(3450-3550)	30	80	633334	216@0	DFT_QPSK	5.1
n77(3450-3550)	30	80	633334	216@0	DFT_16QAM	6.02
n77(3450-3550)	30	80	633334	216@0	DFT_64QAM	6.45
n77(3450-3550)	30	80	633334	216@0	DFT_256QAM	6.61
n77(3450-3550)	30	80	633334	217@0	CP_QPSK	7.02
n77(3450-3550)	30	80	633334	217@0	CP_16QAM	7.02
n77(3450-3550)	30	80	633334	217@0	CP_64QAM	7.52
n77(3450-3550)	30	80	633334	217@0	CP_256QAM	8.95
n77(3450-3550)	30	80	634000	216@0	DFT_BPSK	4.47
n77(3450-3550)	30	80	634000	216@0	DFT_QPSK	4.95
n77(3450-3550)	30	80	634000	216@0	DFT_16QAM	5.95
n77(3450-3550)	30	80	634000	216@0	DFT_64QAM	6.37

n77(3450-3550)	30	80	634000	216@0	DFT_256QAM	6.57
n77(3450-3550)	30	80	634000	217@0	CP_QPSK	6.84
n77(3450-3550)	30	80	634000	217@0	CP_16QAM	6.92
n77(3450-3550)	30	80	634000	217@0	CP_64QAM	7.42
n77(3450-3550)	30	80	634000	217@0	CP_256QAM	8.43
n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	4.4
n77(3450-3550)	30	100	633334	270@0	DFT_QPSK	4.96
n77(3450-3550)	30	100	633334	270@0	DFT_16QAM	5.92
n77(3450-3550)	30	100	633334	270@0	DFT_64QAM	6.32
n77(3450-3550)	30	100	633334	270@0	DFT_256QAM	6.69
n77(3450-3550)	30	100	633334	273@0	CP_QPSK	6.94
n77(3450-3550)	30	100	633334	273@0	CP_16QAM	6.95
n77(3450-3550)	30	100	633334	273@0	CP_64QAM	7.46
n77(3450-3550)	30	100	633334	273@0	CP_256QAM	8.61
n77(3700-3980)	30	20	647334	50@0	DFT_BPSK	4.42
n77(3700-3980)	30	20	647334	50@0	DFT_QPSK	5.21
n77(3700-3980)	30	20	647334	50@0	DFT_16QAM	6.12
n77(3700-3980)	30	20	647334	50@0	DFT_64QAM	6.38
n77(3700-3980)	30	20	647334	50@0	DFT_256QAM	6.43
n77(3700-3980)	30	20	647334	51@0	CP_QPSK	7.18
n77(3700-3980)	30	20	647334	51@0	CP_16QAM	7.18
n77(3700-3980)	30	20	647334	51@0	CP_64QAM	7.66
n77(3700-3980)	30	20	647334	51@0	CP_256QAM	8.73
n77(3700-3980)	30	20	656000	50@0	DFT_BPSK	4.24
n77(3700-3980)	30	20	656000	50@0	DFT_QPSK	5.24
n77(3700-3980)	30	20	656000	50@0	DFT_16QAM	6.08
n77(3700-3980)	30	20	656000	50@0	DFT_64QAM	6.26
n77(3700-3980)	30	20	656000	50@0	DFT_256QAM	6.49
n77(3700-3980)	30	20	656000	51@0	CP_QPSK	7.33
n77(3700-3980)	30	20	656000	51@0	CP_16QAM	7.31
n77(3700-3980)	30	20	656000	51@0	CP_64QAM	7.6
n77(3700-3980)	30	20	656000	51@0	CP_256QAM	8.49
n77(3700-3980)	30	20	664666	50@0	DFT_BPSK	4.42
n77(3700-3980)	30	20	664666	50@0	DFT_QPSK	4.97
n77(3700-3980)	30	20	664666	50@0	DFT_16QAM	6
n77(3700-3980)	30	20	664666	50@0	DFT_64QAM	6.38
n77(3700-3980)	30	20	664666	50@0	DFT_256QAM	6.5
n77(3700-3980)	30	20	664666	51@0	CP_QPSK	7.27
n77(3700-3980)	30	20	664666	51@0	CP_16QAM	7.02
n77(3700-3980)	30	20	664666	51@0	CP_64QAM	7.41
n77(3700-3980)	30	20	664666	51@0	CP_256QAM	8.92
n77(3700-3980)	30	30	647668	75@0	DFT_BPSK	4.2
n77(3700-3980)	30	30	647668	75@0	DFT_QPSK	5.16
n77(3700-3980)	30	30	647668	75@0	DFT_16QAM	6.08

n77(3700-3980)	30	30	647668	75@0	DFT_64QAM	6.32
n77(3700-3980)	30	30	647668	75@0	DFT_256QAM	6.51
n77(3700-3980)	30	30	647668	78@0	CP_QPSK	7.26
n77(3700-3980)	30	30	647668	78@0	CP_16QAM	7.24
n77(3700-3980)	30	30	647668	78@0	CP_64QAM	7.84
n77(3700-3980)	30	30	647668	78@0	CP_256QAM	8.84
n77(3700-3980)	30	30	656000	75@0	DFT_BPSK	4.24
n77(3700-3980)	30	30	656000	75@0	DFT_QPSK	5.15
n77(3700-3980)	30	30	656000	75@0	DFT_16QAM	6
n77(3700-3980)	30	30	656000	75@0	DFT_64QAM	6.18
n77(3700-3980)	30	30	656000	75@0	DFT_256QAM	6.53
n77(3700-3980)	30	30	656000	78@0	CP_QPSK	7.29
n77(3700-3980)	30	30	656000	78@0	CP_16QAM	7.29
n77(3700-3980)	30	30	656000	78@0	CP_64QAM	7.81
n77(3700-3980)	30	30	656000	78@0	CP_256QAM	8.58
n77(3700-3980)	30	30	664332	75@0	DFT_BPSK	4.39
n77(3700-3980)	30	30	664332	75@0	DFT_QPSK	4.86
n77(3700-3980)	30	30	664332	75@0	DFT_16QAM	5.88
n77(3700-3980)	30	30	664332	75@0	DFT_64QAM	6.27
n77(3700-3980)	30	30	664332	75@0	DFT_256QAM	6.55
n77(3700-3980)	30	30	664332	78@0	CP_QPSK	7.08
n77(3700-3980)	30	30	664332	78@0	CP_16QAM	7.05
n77(3700-3980)	30	30	664332	78@0	CP_64QAM	7.58
n77(3700-3980)	30	30	664332	78@0	CP_256QAM	8.72
n77(3700-3980)	30	40	648000	100@0	DFT_BPSK	4.37
n77(3700-3980)	30	40	648000	100@0	DFT_QPSK	5.17
n77(3700-3980)	30	40	648000	100@0	DFT_16QAM	6.09
n77(3700-3980)	30	40	648000	100@0	DFT_64QAM	6.38
n77(3700-3980)	30	40	648000	100@0	DFT_256QAM	6.57
n77(3700-3980)	30	40	648000	106@0	CP_QPSK	7.17
n77(3700-3980)	30	40	648000	106@0	CP_16QAM	7.27
n77(3700-3980)	30	40	648000	106@0	CP_64QAM	7.67
n77(3700-3980)	30	40	648000	106@0	CP_256QAM	8.8
n77(3700-3980)	30	40	656000	100@0	DFT_BPSK	4.29
n77(3700-3980)	30	40	656000	100@0	DFT_QPSK	5.2
n77(3700-3980)	30	40	656000	100@0	DFT_16QAM	6.08
n77(3700-3980)	30	40	656000	100@0	DFT_64QAM	6.27
n77(3700-3980)	30	40	656000	100@0	DFT_256QAM	6.59
n77(3700-3980)	30	40	656000	106@0	CP_QPSK	7.21
n77(3700-3980)	30	40	656000	106@0	CP_16QAM	7.32
n77(3700-3980)	30	40	656000	106@0	CP_64QAM	7.68
n77(3700-3980)	30	40	656000	106@0	CP_256QAM	8.63
n77(3700-3980)	30	40	664000	100@0	DFT_BPSK	4.48
n77(3700-3980)	30	40	664000	100@0	DFT_QPSK	5.07

n77(3700-3980)	30	40	664000	100@0	DFT_16QAM	6.04
n77(3700-3980)	30	40	664000	100@0	DFT_64QAM	6.37
n77(3700-3980)	30	40	664000	100@0	DFT_256QAM	6.59
n77(3700-3980)	30	40	664000	106@0	CP_QPSK	7.17
n77(3700-3980)	30	40	664000	106@0	CP_16QAM	7.26
n77(3700-3980)	30	40	664000	106@0	CP_64QAM	7.64
n77(3700-3980)	30	40	664000	106@0	CP_256QAM	8.77
n77(3700-3980)	30	60	648668	162@0	DFT_BPSK	4.2
n77(3700-3980)	30	60	648668	162@0	DFT_QPSK	4.7
n77(3700-3980)	30	60	648668	162@0	DFT_16QAM	5.69
n77(3700-3980)	30	60	648668	162@0	DFT_64QAM	6.18
n77(3700-3980)	30	60	648668	162@0	DFT_256QAM	6.57
n77(3700-3980)	30	60	648668	162@0	CP_QPSK	6.64
n77(3700-3980)	30	60	648668	162@0	CP_16QAM	6.67
n77(3700-3980)	30	60	648668	162@0	CP_64QAM	7.2
n77(3700-3980)	30	60	648668	162@0	CP_256QAM	8.57
n77(3700-3980)	30	60	656000	162@0	DFT_BPSK	4.31
n77(3700-3980)	30	60	656000	162@0	DFT_QPSK	4.67
n77(3700-3980)	30	60	656000	162@0	DFT_16QAM	5.64
n77(3700-3980)	30	60	656000	162@0	DFT_64QAM	6.15
n77(3700-3980)	30	60	656000	162@0	DFT_256QAM	6.58
n77(3700-3980)	30	60	656000	162@0	CP_QPSK	7.4
n77(3700-3980)	30	60	656000	162@0	CP_16QAM	7.39
n77(3700-3980)	30	60	656000	162@0	CP_64QAM	7.83
n77(3700-3980)	30	60	656000	162@0	CP_256QAM	8.35
n77(3700-3980)	30	60	663332	162@0	DFT_BPSK	4.6
n77(3700-3980)	30	60	663332	162@0	DFT_QPSK	5.26
n77(3700-3980)	30	60	663332	162@0	DFT_16QAM	6.15
n77(3700-3980)	30	60	663332	162@0	DFT_64QAM	6.54
n77(3700-3980)	30	60	663332	162@0	DFT_256QAM	6.53
n77(3700-3980)	30	60	663332	162@0	CP_QPSK	7.37
n77(3700-3980)	30	60	663332	162@0	CP_16QAM	7.37
n77(3700-3980)	30	60	663332	162@0	CP_64QAM	7.89
n77(3700-3980)	30	60	663332	162@0	CP_256QAM	8.42
n77(3700-3980)	30	80	649334	216@0	DFT_BPSK	4.75
n77(3700-3980)	30	80	649334	216@0	DFT_QPSK	5.25
n77(3700-3980)	30	80	649334	216@0	DFT_16QAM	6.11
n77(3700-3980)	30	80	649334	216@0	DFT_64QAM	6.44
n77(3700-3980)	30	80	649334	216@0	DFT_256QAM	6.52
n77(3700-3980)	30	80	649334	217@0	CP_QPSK	7.2
n77(3700-3980)	30	80	649334	217@0	CP_16QAM	7.26
n77(3700-3980)	30	80	649334	217@0	CP_64QAM	7.74
n77(3700-3980)	30	80	649334	217@0	CP_256QAM	8.36
n77(3700-3980)	30	80	656000	216@0	DFT_BPSK	4.84

n77(3700-3980)	30	80	656000	216@0	DFT_QPSK	5.32
n77(3700-3980)	30	80	656000	216@0	DFT_16QAM	6.14
n77(3700-3980)	30	80	656000	216@0	DFT_64QAM	6.38
n77(3700-3980)	30	80	656000	216@0	DFT_256QAM	6.51
n77(3700-3980)	30	80	656000	217@0	CP_QPSK	7.41
n77(3700-3980)	30	80	656000	217@0	CP_16QAM	7.46
n77(3700-3980)	30	80	656000	217@0	CP_64QAM	7.84
n77(3700-3980)	30	80	656000	217@0	CP_256QAM	8.37
n77(3700-3980)	30	80	662666	216@0	DFT_BPSK	4.84
n77(3700-3980)	30	80	662666	216@0	DFT_QPSK	5.27
n77(3700-3980)	30	80	662666	216@0	DFT_16QAM	6.19
n77(3700-3980)	30	80	662666	216@0	DFT_64QAM	6.47
n77(3700-3980)	30	80	662666	216@0	DFT_256QAM	6.47
n77(3700-3980)	30	80	662666	217@0	CP_QPSK	7.34
n77(3700-3980)	30	80	662666	217@0	CP_16QAM	7.42
n77(3700-3980)	30	80	662666	217@0	CP_64QAM	7.85
n77(3700-3980)	30	80	662666	217@0	CP_256QAM	8.33
n77(3700-3980)	30	100	650000	270@0	DFT_BPSK	4.7
n77(3700-3980)	30	100	650000	270@0	DFT_QPSK	5.19
n77(3700-3980)	30	100	650000	270@0	DFT_16QAM	6.11
n77(3700-3980)	30	100	650000	270@0	DFT_64QAM	6.43
n77(3700-3980)	30	100	650000	270@0	DFT_256QAM	6.58
n77(3700-3980)	30	100	650000	273@0	CP_QPSK	7.24
n77(3700-3980)	30	100	650000	273@0	CP_16QAM	7.23
n77(3700-3980)	30	100	650000	273@0	CP_64QAM	7.75
n77(3700-3980)	30	100	650000	273@0	CP_256QAM	8.6
n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	4.82
n77(3700-3980)	30	100	656000	270@0	DFT_QPSK	5.29
n77(3700-3980)	30	100	656000	270@0	DFT_16QAM	6.13
n77(3700-3980)	30	100	656000	270@0	DFT_64QAM	6.41
n77(3700-3980)	30	100	656000	270@0	DFT_256QAM	6.63
n77(3700-3980)	30	100	656000	273@0	CP_QPSK	7.48
n77(3700-3980)	30	100	656000	273@0	CP_16QAM	7.48
n77(3700-3980)	30	100	656000	273@0	CP_64QAM	7.91
n77(3700-3980)	30	100	656000	273@0	CP_256QAM	8.4
n77(3700-3980)	30	100	662000	270@0	DFT_BPSK	4.94
n77(3700-3980)	30	100	662000	270@0	DFT_QPSK	5.36
n77(3700-3980)	30	100	662000	270@0	DFT_16QAM	6.21
n77(3700-3980)	30	100	662000	270@0	DFT_64QAM	6.47
n77(3700-3980)	30	100	662000	270@0	DFT_256QAM	6.56
n77(3700-3980)	30	100	662000	273@0	CP_QPSK	7.47
n77(3700-3980)	30	100	662000	273@0	CP_16QAM	7.47
n77(3700-3980)	30	100	662000	273@0	CP_64QAM	7.99
n77(3700-3980)	30	100	662000	273@0	CP_256QAM	8.45

n78(3450-3550)	30	20	630668	50@0	DFT_BPSK	4.47
n78(3450-3550)	30	20	630668	50@0	DFT_QPSK	5.28
n78(3450-3550)	30	20	630668	50@0	DFT_16QAM	6.19
n78(3450-3550)	30	20	630668	50@0	DFT_64QAM	6.5
n78(3450-3550)	30	20	630668	50@0	DFT_256QAM	6.49
n78(3450-3550)	30	20	630668	51@0	CP_QPSK	7.34
n78(3450-3550)	30	20	630668	51@0	CP_16QAM	7.68
n78(3450-3550)	30	20	630668	51@0	CP_64QAM	7.77
n78(3450-3550)	30	20	630668	51@0	CP_256QAM	8.52
n78(3450-3550)	30	20	633334	50@0	DFT_BPSK	4.27
n78(3450-3550)	30	20	633334	50@0	DFT_QPSK	4.8
n78(3450-3550)	30	20	633334	50@0	DFT_16QAM	5.72
n78(3450-3550)	30	20	633334	50@0	DFT_64QAM	6.23
n78(3450-3550)	30	20	633334	50@0	DFT_256QAM	6.59
n78(3450-3550)	30	20	633334	51@0	CP_QPSK	6.75
n78(3450-3550)	30	20	633334	51@0	CP_16QAM	6.95
n78(3450-3550)	30	20	633334	51@0	CP_64QAM	7.18
n78(3450-3550)	30	20	633334	51@0	CP_256QAM	8.61
n78(3450-3550)	30	20	636000	50@0	DFT_BPSK	4.49
n78(3450-3550)	30	20	636000	50@0	DFT_QPSK	5.18
n78(3450-3550)	30	20	636000	50@0	DFT_16QAM	6.11
n78(3450-3550)	30	20	636000	50@0	DFT_64QAM	6.49
n78(3450-3550)	30	20	636000	50@0	DFT_256QAM	6.56
n78(3450-3550)	30	20	636000	51@0	CP_QPSK	7.09
n78(3450-3550)	30	20	636000	51@0	CP_16QAM	7.2
n78(3450-3550)	30	20	636000	51@0	CP_64QAM	7.57
n78(3450-3550)	30	20	636000	51@0	CP_256QAM	8.72
n78(3450-3550)	30	30	631000	75@0	DFT_BPSK	4.35
n78(3450-3550)	30	30	631000	75@0	DFT_QPSK	5.07
n78(3450-3550)	30	30	631000	75@0	DFT_16QAM	6.08
n78(3450-3550)	30	30	631000	75@0	DFT_64QAM	6.42
n78(3450-3550)	30	30	631000	75@0	DFT_256QAM	6.65
n78(3450-3550)	30	30	631000	78@0	CP_QPSK	7.25
n78(3450-3550)	30	30	631000	78@0	CP_16QAM	7.28
n78(3450-3550)	30	30	631000	78@0	CP_64QAM	7.82
n78(3450-3550)	30	30	631000	78@0	CP_256QAM	8.46
n78(3450-3550)	30	30	633334	75@0	DFT_BPSK	4.52
n78(3450-3550)	30	30	633334	75@0	DFT_QPSK	5.47
n78(3450-3550)	30	30	633334	75@0	DFT_16QAM	6.33
n78(3450-3550)	30	30	633334	75@0	DFT_64QAM	6.45
n78(3450-3550)	30	30	633334	75@0	DFT_256QAM	6.68
n78(3450-3550)	30	30	633334	78@0	CP_QPSK	7.63
n78(3450-3550)	30	30	633334	78@0	CP_16QAM	8.33
n78(3450-3550)	30	30	633334	78@0	CP_64QAM	8.08

n78(3450-3550)	30	30	633334	78@0	CP_256QAM	8.76
n78(3450-3550)	30	30	635666	75@0	DFT_BPSK	4.35
n78(3450-3550)	30	30	635666	75@0	DFT_QPSK	5.06
n78(3450-3550)	30	30	635666	75@0	DFT_16QAM	6.01
n78(3450-3550)	30	30	635666	75@0	DFT_64QAM	6.37
n78(3450-3550)	30	30	635666	75@0	DFT_256QAM	6.56
n78(3450-3550)	30	30	635666	78@0	CP_QPSK	7.17
n78(3450-3550)	30	30	635666	78@0	CP_16QAM	7.6
n78(3450-3550)	30	30	635666	78@0	CP_64QAM	7.71
n78(3450-3550)	30	30	635666	78@0	CP_256QAM	8.41
n78(3450-3550)	30	40	631334	100@0	DFT_BPSK	4.32
n78(3450-3550)	30	40	631334	100@0	DFT_QPSK	5.1
n78(3450-3550)	30	40	631334	100@0	DFT_16QAM	6.07
n78(3450-3550)	30	40	631334	100@0	DFT_64QAM	6.39
n78(3450-3550)	30	40	631334	100@0	DFT_256QAM	6.81
n78(3450-3550)	30	40	631334	106@0	CP_QPSK	7.11
n78(3450-3550)	30	40	631334	106@0	CP_16QAM	7.77
n78(3450-3550)	30	40	631334	106@0	CP_64QAM	7.6
n78(3450-3550)	30	40	631334	106@0	CP_256QAM	8.73
n78(3450-3550)	30	40	633334	100@0	DFT_BPSK	4.14
n78(3450-3550)	30	40	633334	100@0	DFT_QPSK	5
n78(3450-3550)	30	40	633334	100@0	DFT_16QAM	6.4
n78(3450-3550)	30	40	633334	100@0	DFT_64QAM	6.54
n78(3450-3550)	30	40	633334	100@0	DFT_256QAM	6.68
n78(3450-3550)	30	40	633334	106@0	CP_QPSK	7.54
n78(3450-3550)	30	40	633334	106@0	CP_16QAM	7.69
n78(3450-3550)	30	40	633334	106@0	CP_64QAM	8.08
n78(3450-3550)	30	40	633334	106@0	CP_256QAM	8.74
n78(3450-3550)	30	40	635332	100@0	DFT_BPSK	4.4
n78(3450-3550)	30	40	635332	100@0	DFT_QPSK	5.17
n78(3450-3550)	30	40	635332	100@0	DFT_16QAM	6.17
n78(3450-3550)	30	40	635332	100@0	DFT_64QAM	6.44
n78(3450-3550)	30	40	635332	100@0	DFT_256QAM	6.71
n78(3450-3550)	30	40	635332	106@0	CP_QPSK	7.19
n78(3450-3550)	30	40	635332	106@0	CP_16QAM	7.31
n78(3450-3550)	30	40	635332	106@0	CP_64QAM	7.75
n78(3450-3550)	30	40	635332	106@0	CP_256QAM	8.51
n78(3450-3550)	30	60	632000	162@0	DFT_BPSK	4.64
n78(3450-3550)	30	60	632000	162@0	DFT_QPSK	5.31
n78(3450-3550)	30	60	632000	162@0	DFT_16QAM	6.18
n78(3450-3550)	30	60	632000	162@0	DFT_64QAM	6.6
n78(3450-3550)	30	60	632000	162@0	DFT_256QAM	6.68
n78(3450-3550)	30	60	632000	162@0	CP_QPSK	7.26
n78(3450-3550)	30	60	632000	162@0	CP_16QAM	7.34

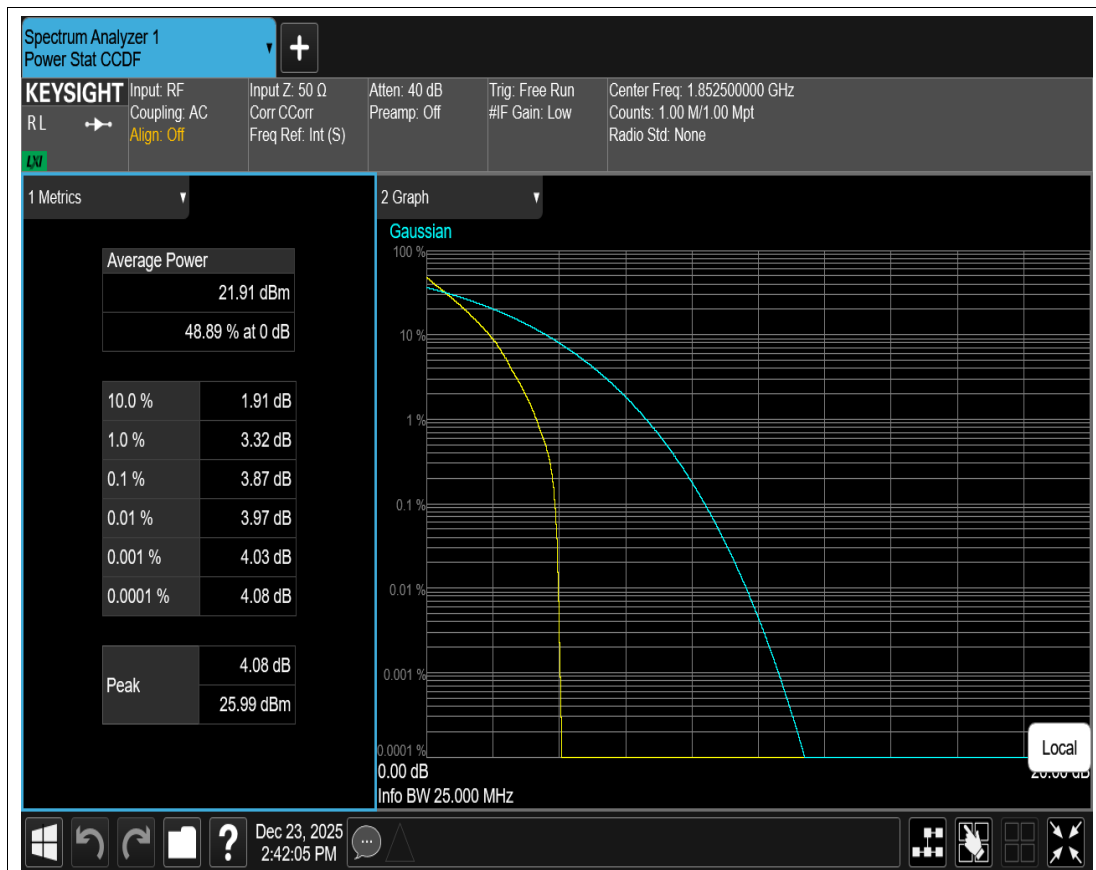
n78(3450-3550)	30	60	632000	162@0	CP_64QAM	7.84
n78(3450-3550)	30	60	632000	162@0	CP_256QAM	8.72
n78(3450-3550)	30	60	633334	162@0	DFT_BPSK	4.5
n78(3450-3550)	30	60	633334	162@0	DFT_QPSK	5.09
n78(3450-3550)	30	60	633334	162@0	DFT_16QAM	6.02
n78(3450-3550)	30	60	633334	162@0	DFT_64QAM	6.51
n78(3450-3550)	30	60	633334	162@0	DFT_256QAM	6.69
n78(3450-3550)	30	60	633334	162@0	CP_QPSK	7.07
n78(3450-3550)	30	60	633334	162@0	CP_16QAM	7.02
n78(3450-3550)	30	60	633334	162@0	CP_64QAM	7.59
n78(3450-3550)	30	60	633334	162@0	CP_256QAM	8.44
n78(3450-3550)	30	60	634666	162@0	DFT_BPSK	4.25
n78(3450-3550)	30	60	634666	162@0	DFT_QPSK	4.75
n78(3450-3550)	30	60	634666	162@0	DFT_16QAM	5.76
n78(3450-3550)	30	60	634666	162@0	DFT_64QAM	6.26
n78(3450-3550)	30	60	634666	162@0	DFT_256QAM	6.63
n78(3450-3550)	30	60	634666	162@0	CP_QPSK	7.5
n78(3450-3550)	30	60	634666	162@0	CP_16QAM	7.53
n78(3450-3550)	30	60	634666	162@0	CP_64QAM	8.08
n78(3450-3550)	30	60	634666	162@0	CP_256QAM	8.57
n78(3450-3550)	30	80	632668	216@0	DFT_BPSK	4.67
n78(3450-3550)	30	80	632668	216@0	DFT_QPSK	5.16
n78(3450-3550)	30	80	632668	216@0	DFT_16QAM	6.1
n78(3450-3550)	30	80	632668	216@0	DFT_64QAM	6.48
n78(3450-3550)	30	80	632668	216@0	DFT_256QAM	6.6
n78(3450-3550)	30	80	632668	217@0	CP_QPSK	7.12
n78(3450-3550)	30	80	632668	217@0	CP_16QAM	7.15
n78(3450-3550)	30	80	632668	217@0	CP_64QAM	7.67
n78(3450-3550)	30	80	632668	217@0	CP_256QAM	8.66
n78(3450-3550)	30	80	633334	216@0	DFT_BPSK	4.58
n78(3450-3550)	30	80	633334	216@0	DFT_QPSK	5.06
n78(3450-3550)	30	80	633334	216@0	DFT_16QAM	6
n78(3450-3550)	30	80	633334	216@0	DFT_64QAM	6.44
n78(3450-3550)	30	80	633334	216@0	DFT_256QAM	6.62
n78(3450-3550)	30	80	633334	217@0	CP_QPSK	6.96
n78(3450-3550)	30	80	633334	217@0	CP_16QAM	6.99
n78(3450-3550)	30	80	633334	217@0	CP_64QAM	7.52
n78(3450-3550)	30	80	633334	217@0	CP_256QAM	9.02
n78(3450-3550)	30	80	634000	216@0	DFT_BPSK	4.46
n78(3450-3550)	30	80	634000	216@0	DFT_QPSK	4.91
n78(3450-3550)	30	80	634000	216@0	DFT_16QAM	5.85
n78(3450-3550)	30	80	634000	216@0	DFT_64QAM	6.32
n78(3450-3550)	30	80	634000	216@0	DFT_256QAM	6.56
n78(3450-3550)	30	80	634000	217@0	CP_QPSK	6.84

n78(3450-3550)	30	80	634000	217@0	CP_16QAM	6.88
n78(3450-3550)	30	80	634000	217@0	CP_64QAM	7.41
n78(3450-3550)	30	80	634000	217@0	CP_256QAM	8.46
n78(3450-3550)	30	100	633334	270@0	DFT_BPSK	4.4
n78(3450-3550)	30	100	633334	270@0	DFT_QPSK	4.95
n78(3450-3550)	30	100	633334	270@0	DFT_16QAM	5.92
n78(3450-3550)	30	100	633334	270@0	DFT_64QAM	6.31
n78(3450-3550)	30	100	633334	270@0	DFT_256QAM	6.7
n78(3450-3550)	30	100	633334	273@0	CP_QPSK	6.95
n78(3450-3550)	30	100	633334	273@0	CP_16QAM	6.95
n78(3450-3550)	30	100	633334	273@0	CP_64QAM	7.49
n78(3450-3550)	30	100	633334	273@0	CP_256QAM	8.74
n78(3700-3800)	30	20	647334	50@0	DFT_BPSK	4.31
n78(3700-3800)	30	20	647334	50@0	DFT_QPSK	5.33
n78(3700-3800)	30	20	647334	50@0	DFT_16QAM	6.16
n78(3700-3800)	30	20	647334	50@0	DFT_64QAM	6.28
n78(3700-3800)	30	20	647334	50@0	DFT_256QAM	6.36
n78(3700-3800)	30	20	647334	51@0	CP_QPSK	7.37
n78(3700-3800)	30	20	647334	51@0	CP_16QAM	7.35
n78(3700-3800)	30	20	647334	51@0	CP_64QAM	7.79
n78(3700-3800)	30	20	647334	51@0	CP_256QAM	8.31
n78(3700-3800)	30	20	650000	50@0	DFT_BPSK	4.29
n78(3700-3800)	30	20	650000	50@0	DFT_QPSK	5
n78(3700-3800)	30	20	650000	50@0	DFT_16QAM	6
n78(3700-3800)	30	20	650000	50@0	DFT_64QAM	6.22
n78(3700-3800)	30	20	650000	50@0	DFT_256QAM	6.31
n78(3700-3800)	30	20	650000	51@0	CP_QPSK	7.06
n78(3700-3800)	30	20	650000	51@0	CP_16QAM	6.98
n78(3700-3800)	30	20	650000	51@0	CP_64QAM	7.48
n78(3700-3800)	30	20	650000	51@0	CP_256QAM	8.33
n78(3700-3800)	30	20	652666	50@0	DFT_BPSK	4.02
n78(3700-3800)	30	20	652666	50@0	DFT_QPSK	4.67
n78(3700-3800)	30	20	652666	50@0	DFT_16QAM	5.58
n78(3700-3800)	30	20	652666	50@0	DFT_64QAM	6.06
n78(3700-3800)	30	20	652666	50@0	DFT_256QAM	6.53
n78(3700-3800)	30	20	652666	51@0	CP_QPSK	6.55
n78(3700-3800)	30	20	652666	51@0	CP_16QAM	6.5
n78(3700-3800)	30	20	652666	51@0	CP_64QAM	6.94
n78(3700-3800)	30	20	652666	51@0	CP_256QAM	8.41
n78(3700-3800)	30	30	647668	75@0	DFT_BPSK	4.29
n78(3700-3800)	30	30	647668	75@0	DFT_QPSK	5.26
n78(3700-3800)	30	30	647668	75@0	DFT_16QAM	6.1
n78(3700-3800)	30	30	647668	75@0	DFT_64QAM	6.26
n78(3700-3800)	30	30	647668	75@0	DFT_256QAM	6.49

n78(3700-3800)	30	30	647668	78@0	CP_QPSK	7.39
n78(3700-3800)	30	30	647668	78@0	CP_16QAM	7.39
n78(3700-3800)	30	30	647668	78@0	CP_64QAM	7.81
n78(3700-3800)	30	30	647668	78@0	CP_256QAM	8.44
n78(3700-3800)	30	30	650000	75@0	DFT_BPSK	4.21
n78(3700-3800)	30	30	650000	75@0	DFT_QPSK	4.96
n78(3700-3800)	30	30	650000	75@0	DFT_16QAM	5.85
n78(3700-3800)	30	30	650000	75@0	DFT_64QAM	6.17
n78(3700-3800)	30	30	650000	75@0	DFT_256QAM	6.39
n78(3700-3800)	30	30	650000	78@0	CP_QPSK	7.08
n78(3700-3800)	30	30	650000	78@0	CP_16QAM	7.01
n78(3700-3800)	30	30	650000	78@0	CP_64QAM	7.43
n78(3700-3800)	30	30	650000	78@0	CP_256QAM	8.17
n78(3700-3800)	30	30	652332	75@0	DFT_BPSK	3.94
n78(3700-3800)	30	30	652332	75@0	DFT_QPSK	4.45
n78(3700-3800)	30	30	652332	75@0	DFT_16QAM	5.45
n78(3700-3800)	30	30	652332	75@0	DFT_64QAM	5.9
n78(3700-3800)	30	30	652332	75@0	DFT_256QAM	6.39
n78(3700-3800)	30	30	652332	78@0	CP_QPSK	6.6
n78(3700-3800)	30	30	652332	78@0	CP_16QAM	6.67
n78(3700-3800)	30	30	652332	78@0	CP_64QAM	7.03
n78(3700-3800)	30	30	652332	78@0	CP_256QAM	8.15
n78(3700-3800)	30	40	648000	100@0	DFT_BPSK	4.34
n78(3700-3800)	30	40	648000	100@0	DFT_QPSK	5.25
n78(3700-3800)	30	40	648000	100@0	DFT_16QAM	6.15
n78(3700-3800)	30	40	648000	100@0	DFT_64QAM	6.37
n78(3700-3800)	30	40	648000	100@0	DFT_256QAM	6.52
n78(3700-3800)	30	40	648000	106@0	CP_QPSK	7.29
n78(3700-3800)	30	40	648000	106@0	CP_16QAM	7.39
n78(3700-3800)	30	40	648000	106@0	CP_64QAM	7.8
n78(3700-3800)	30	40	648000	106@0	CP_256QAM	8.31
n78(3700-3800)	30	40	650000	100@0	DFT_BPSK	4.31
n78(3700-3800)	30	40	650000	100@0	DFT_QPSK	5.05
n78(3700-3800)	30	40	650000	100@0	DFT_16QAM	5.97
n78(3700-3800)	30	40	650000	100@0	DFT_64QAM	6.21
n78(3700-3800)	30	40	650000	100@0	DFT_256QAM	6.45
n78(3700-3800)	30	40	650000	106@0	CP_QPSK	7.02
n78(3700-3800)	30	40	650000	106@0	CP_16QAM	7.05
n78(3700-3800)	30	40	650000	106@0	CP_64QAM	7.52
n78(3700-3800)	30	40	650000	106@0	CP_256QAM	8.28
n78(3700-3800)	30	40	652000	100@0	DFT_BPSK	4.03
n78(3700-3800)	30	40	652000	100@0	DFT_QPSK	4.75
n78(3700-3800)	30	40	652000	100@0	DFT_16QAM	5.71
n78(3700-3800)	30	40	652000	100@0	DFT_64QAM	6.1

n78(3700-3800)	30	40	652000	100@0	DFT_256QAM	6.43
n78(3700-3800)	30	40	652000	106@0	CP_QPSK	6.63
n78(3700-3800)	30	40	652000	106@0	CP_16QAM	6.68
n78(3700-3800)	30	40	652000	106@0	CP_64QAM	7.23
n78(3700-3800)	30	40	652000	106@0	CP_256QAM	8.28
n78(3700-3800)	30	60	648668	162@0	DFT_BPSK	4.24
n78(3700-3800)	30	60	648668	162@0	DFT_QPSK	4.7
n78(3700-3800)	30	60	648668	162@0	DFT_16QAM	5.67
n78(3700-3800)	30	60	648668	162@0	DFT_64QAM	6.15
n78(3700-3800)	30	60	648668	162@0	DFT_256QAM	6.56
n78(3700-3800)	30	60	648668	162@0	CP_QPSK	6.6
n78(3700-3800)	30	60	648668	162@0	CP_16QAM	6.58
n78(3700-3800)	30	60	648668	162@0	CP_64QAM	7.2
n78(3700-3800)	30	60	648668	162@0	CP_256QAM	8.42
n78(3700-3800)	30	60	650000	162@0	DFT_BPSK	4.53
n78(3700-3800)	30	60	650000	162@0	DFT_QPSK	5.39
n78(3700-3800)	30	60	650000	162@0	DFT_16QAM	6.1
n78(3700-3800)	30	60	650000	162@0	DFT_64QAM	6.41
n78(3700-3800)	30	60	650000	162@0	DFT_256QAM	6.52
n78(3700-3800)	30	60	650000	162@0	CP_QPSK	7.32
n78(3700-3800)	30	60	650000	162@0	CP_16QAM	7.38
n78(3700-3800)	30	60	650000	162@0	CP_64QAM	7.8
n78(3700-3800)	30	60	650000	162@0	CP_256QAM	8.27
n78(3700-3800)	30	60	651332	162@0	DFT_BPSK	4.43
n78(3700-3800)	30	60	651332	162@0	DFT_QPSK	5.2
n78(3700-3800)	30	60	651332	162@0	DFT_16QAM	6.03
n78(3700-3800)	30	60	651332	162@0	DFT_64QAM	6.45
n78(3700-3800)	30	60	651332	162@0	DFT_256QAM	6.43
n78(3700-3800)	30	60	651332	162@0	CP_QPSK	7.21
n78(3700-3800)	30	60	651332	162@0	CP_16QAM	7.21
n78(3700-3800)	30	60	651332	162@0	CP_64QAM	7.66
n78(3700-3800)	30	60	651332	162@0	CP_256QAM	8.3
n78(3700-3800)	30	80	649334	216@0	DFT_BPSK	4.29
n78(3700-3800)	30	80	649334	216@0	DFT_QPSK	4.65
n78(3700-3800)	30	80	649334	216@0	DFT_16QAM	5.66
n78(3700-3800)	30	80	649334	216@0	DFT_64QAM	6.15
n78(3700-3800)	30	80	649334	216@0	DFT_256QAM	6.52
n78(3700-3800)	30	80	649334	217@0	CP_QPSK	6.6
n78(3700-3800)	30	80	649334	217@0	CP_16QAM	7.47
n78(3700-3800)	30	80	649334	217@0	CP_64QAM	7.17
n78(3700-3800)	30	80	649334	217@0	CP_256QAM	8.43
n78(3700-3800)	30	80	650000	216@0	DFT_BPSK	4.87
n78(3700-3800)	30	80	650000	216@0	DFT_QPSK	5.34
n78(3700-3800)	30	80	650000	216@0	DFT_16QAM	6.23

n78(3700-3800)	30	80	650000	216@0	DFT_64QAM	6.47
n78(3700-3800)	30	80	650000	216@0	DFT_256QAM	6.5
n78(3700-3800)	30	80	650000	217@0	CP_QPSK	7.3
n78(3700-3800)	30	80	650000	217@0	CP_16QAM	7.38
n78(3700-3800)	30	80	650000	217@0	CP_64QAM	7.86
n78(3700-3800)	30	80	650000	217@0	CP_256QAM	8.23
n78(3700-3800)	30	80	650666	216@0	DFT_BPSK	4.8
n78(3700-3800)	30	80	650666	216@0	DFT_QPSK	5.24
n78(3700-3800)	30	80	650666	216@0	DFT_16QAM	6.13
n78(3700-3800)	30	80	650666	216@0	DFT_64QAM	6.36
n78(3700-3800)	30	80	650666	216@0	DFT_256QAM	6.43
n78(3700-3800)	30	80	650666	217@0	CP_QPSK	7.15
n78(3700-3800)	30	80	650666	217@0	CP_16QAM	7.11
n78(3700-3800)	30	80	650666	217@0	CP_64QAM	7.68
n78(3700-3800)	30	80	650666	217@0	CP_256QAM	8.31
n78(3700-3800)	30	100	650000	270@0	DFT_BPSK	4.88
n78(3700-3800)	30	100	650000	270@0	DFT_QPSK	5.33
n78(3700-3800)	30	100	650000	270@0	DFT_16QAM	6.21
n78(3700-3800)	30	100	650000	270@0	DFT_64QAM	6.42
n78(3700-3800)	30	100	650000	270@0	DFT_256QAM	6.61
n78(3700-3800)	30	100	650000	273@0	CP_QPSK	7.37
n78(3700-3800)	30	100	650000	273@0	CP_16QAM	7.36
n78(3700-3800)	30	100	650000	273@0	CP_64QAM	7.9
n78(3700-3800)	30	100	650000	273@0	CP_256QAM	8.38



n2 SCS=15kHz DFT_BPSK BW=5MHz Channel=370500 RB=25@0 NVNT



n2 SCS=15kHz DFT_QPSK BW=5MHz Channel=370500 RB=25@0 NVNT