



n41	30	80	518598	109@54	CP_QPSK	22.52
n41	30	80	518598	1@1	CP_QPSK	22.19
n41	30	80	518598	1@215	CP_QPSK	22.07
n41	30	80	518598	217@0	CP_16QAM	19.89
n41	30	80	518598	109@54	CP_16QAM	20.95
n41	30	80	518598	1@1	CP_16QAM	20.68
n41	30	80	518598	1@215	CP_16QAM	20.64
n41	30	80	518598	217@0	CP_64QAM	19.37
n41	30	80	518598	109@54	CP_64QAM	19.5
n41	30	80	518598	1@1	CP_64QAM	19.03
n41	30	80	518598	1@215	CP_64QAM	18.95
n41	30	80	518598	217@0	CP_256QAM	16.27
n41	30	80	518598	109@54	CP_256QAM	16.4
n41	30	80	518598	1@1	CP_256QAM	16.27
n41	30	80	518598	1@215	CP_256QAM	16.18
n41	30	80	529998	216@0	DFT_BPSK	22.9
n41	30	80	529998	108@54	DFT_BPSK	23.01
n41	30	80	529998	1@1	DFT_BPSK	22.49
n41	30	80	529998	1@215	DFT_BPSK	22.5
n41	30	80	529998	216@0	DFT_QPSK	22.95
n41	30	80	529998	108@54	DFT_QPSK	23.07
n41	30	80	529998	1@1	DFT_QPSK	22.75
n41	30	80	529998	1@215	DFT_QPSK	22.74
n41	30	80	529998	216@0	DFT_16QAM	21.42
n41	30	80	529998	108@54	DFT_16QAM	22.58
n41	30	80	529998	1@1	DFT_16QAM	22.28
n41	30	80	529998	1@215	DFT_16QAM	22.26
n41	30	80	529998	216@0	DFT_64QAM	20.4
n41	30	80	529998	108@54	DFT_64QAM	20.49
n41	30	80	529998	1@1	DFT_64QAM	20.02
n41	30	80	529998	1@215	DFT_64QAM	20.06
n41	30	80	529998	216@0	DFT_256QAM	18.34
n41	30	80	529998	108@54	DFT_256QAM	18.44
n41	30	80	529998	1@1	DFT_256QAM	18.08
n41	30	80	529998	1@215	DFT_256QAM	18.13
n41	30	80	529998	217@0	CP_QPSK	19.88
n41	30	80	529998	109@54	CP_QPSK	22.49
n41	30	80	529998	1@1	CP_QPSK	22.51
n41	30	80	529998	1@215	CP_QPSK	22.51
n41	30	80	529998	217@0	CP_16QAM	19.86
n41	30	80	529998	109@54	CP_16QAM	20.98
n41	30	80	529998	1@1	CP_16QAM	20.67
n41	30	80	529998	1@215	CP_16QAM	20.71
n41	30	80	529998	217@0	CP_64QAM	19.37
n41	30	80	529998	109@54	CP_64QAM	19.5
n41	30	80	529998	1@1	CP_64QAM	18.81
n41	30	80	529998	1@215	CP_64QAM	18.88
n41	30	80	529998	217@0	CP_256QAM	16.28
n41	30	80	529998	109@54	CP_256QAM	16.4
n41	30	80	529998	1@1	CP_256QAM	16.18
n41	30	80	529998	1@215	CP_256QAM	16.16



n41	30	90	508200	240@0	DFT_BPSK	22.83
n41	30	90	508200	120@60	DFT_BPSK	22.99
n41	30	90	508200	1@1	DFT_BPSK	22.39
n41	30	90	508200	1@243	DFT_BPSK	22.24
n41	30	90	508200	240@0	DFT_QPSK	22.85
n41	30	90	508200	120@60	DFT_QPSK	22.99
n41	30	90	508200	1@1	DFT_QPSK	22.44
n41	30	90	508200	1@243	DFT_QPSK	22.26
n41	30	90	508200	240@0	DFT_16QAM	21.32
n41	30	90	508200	120@60	DFT_16QAM	22.48
n41	30	90	508200	1@1	DFT_16QAM	21.97
n41	30	90	508200	1@243	DFT_16QAM	21.84
n41	30	90	508200	240@0	DFT_64QAM	20.28
n41	30	90	508200	120@60	DFT_64QAM	20.44
n41	30	90	508200	1@1	DFT_64QAM	19.96
n41	30	90	508200	1@243	DFT_64QAM	19.77
n41	30	90	508200	240@0	DFT_256QAM	18.25
n41	30	90	508200	120@60	DFT_256QAM	18.39
n41	30	90	508200	1@1	DFT_256QAM	18.02
n41	30	90	508200	1@243	DFT_256QAM	17.87
n41	30	90	508200	245@0	CP_QPSK	19.76
n41	30	90	508200	123@61	CP_QPSK	22.47
n41	30	90	508200	1@1	CP_QPSK	22.2
n41	30	90	508200	1@243	CP_QPSK	22.02
n41	30	90	508200	245@0	CP_16QAM	19.77
n41	30	90	508200	123@61	CP_16QAM	21
n41	30	90	508200	1@1	CP_16QAM	20.5
n41	30	90	508200	1@243	CP_16QAM	20.32
n41	30	90	508200	245@0	CP_64QAM	19.27
n41	30	90	508200	123@61	CP_64QAM	19.44
n41	30	90	508200	1@1	CP_64QAM	18.73
n41	30	90	508200	1@243	CP_64QAM	18.58
n41	30	90	508200	245@0	CP_256QAM	16.2
n41	30	90	508200	123@61	CP_256QAM	16.35
n41	30	90	508200	1@1	CP_256QAM	16.02
n41	30	90	508200	1@243	CP_256QAM	15.83
n41	30	90	518598	240@0	DFT_BPSK	22.87
n41	30	90	518598	120@60	DFT_BPSK	23.01
n41	30	90	518598	1@1	DFT_BPSK	22.35
n41	30	90	518598	1@243	DFT_BPSK	22.27
n41	30	90	518598	240@0	DFT_QPSK	22.91
n41	30	90	518598	120@60	DFT_QPSK	23.03
n41	30	90	518598	1@1	DFT_QPSK	22.35
n41	30	90	518598	1@243	DFT_QPSK	22.27
n41	30	90	518598	240@0	DFT_16QAM	21.39
n41	30	90	518598	120@60	DFT_16QAM	22.52
n41	30	90	518598	1@1	DFT_16QAM	21.99
n41	30	90	518598	1@243	DFT_16QAM	21.89
n41	30	90	518598	240@0	DFT_64QAM	20.34
n41	30	90	518598	120@60	DFT_64QAM	20.47
n41	30	90	518598	1@1	DFT_64QAM	19.88
n41	30	90	518598	1@243	DFT_64QAM	19.77
n41	30	90	518598	240@0	DFT_256QAM	18.31
n41	30	90	518598	120@60	DFT_256QAM	18.4
n41	30	90	518598	1@1	DFT_256QAM	17.95
n41	30	90	518598	1@243	DFT_256QAM	17.84
n41	30	90	518598	245@0	CP_QPSK	19.82



n41	30	90	518598	123@61	CP_QPSK	22.49
n41	30	90	518598	1@1	CP_QPSK	22.16
n41	30	90	518598	1@243	CP_QPSK	22.05
n41	30	90	518598	245@0	CP_16QAM	19.86
n41	30	90	518598	123@61	CP_16QAM	21
n41	30	90	518598	1@1	CP_16QAM	20.48
n41	30	90	518598	1@243	CP_16QAM	20.37
n41	30	90	518598	245@0	CP_64QAM	19.34
n41	30	90	518598	123@61	CP_64QAM	19.46
n41	30	90	518598	1@1	CP_64QAM	18.71
n41	30	90	518598	1@243	CP_64QAM	18.58
n41	30	90	518598	245@0	CP_256QAM	16.26
n41	30	90	518598	123@61	CP_256QAM	16.36
n41	30	90	518598	1@1	CP_256QAM	16.02
n41	30	90	518598	1@243	CP_256QAM	15.91
n41	30	90	528996	240@0	DFT_BPSK	22.84
n41	30	90	528996	120@60	DFT_BPSK	23
n41	30	90	528996	1@1	DFT_BPSK	22.3
n41	30	90	528996	1@243	DFT_BPSK	22.31
n41	30	90	528996	240@0	DFT_QPSK	22.86
n41	30	90	528996	120@60	DFT_QPSK	23.03
n41	30	90	528996	1@1	DFT_QPSK	22.35
n41	30	90	528996	1@243	DFT_QPSK	22.33
n41	30	90	528996	240@0	DFT_16QAM	21.32
n41	30	90	528996	120@60	DFT_16QAM	22.51
n41	30	90	528996	1@1	DFT_16QAM	21.88
n41	30	90	528996	1@243	DFT_16QAM	21.93
n41	30	90	528996	240@0	DFT_64QAM	20.3
n41	30	90	528996	120@60	DFT_64QAM	20.45
n41	30	90	528996	1@1	DFT_64QAM	19.85
n41	30	90	528996	1@243	DFT_64QAM	19.85
n41	30	90	528996	240@0	DFT_256QAM	18.27
n41	30	90	528996	120@60	DFT_256QAM	18.38
n41	30	90	528996	1@1	DFT_256QAM	17.94
n41	30	90	528996	1@243	DFT_256QAM	17.94
n41	30	90	528996	245@0	CP_QPSK	19.77
n41	30	90	528996	123@61	CP_QPSK	22.45
n41	30	90	528996	1@1	CP_QPSK	21.96
n41	30	90	528996	1@243	CP_QPSK	22.13
n41	30	90	528996	245@0	CP_16QAM	19.79
n41	30	90	528996	123@61	CP_16QAM	20.97
n41	30	90	528996	1@1	CP_16QAM	20.38
n41	30	90	528996	1@243	CP_16QAM	20.43
n41	30	90	528996	245@0	CP_64QAM	19.29
n41	30	90	528996	123@61	CP_64QAM	19.41
n41	30	90	528996	1@1	CP_64QAM	18.63
n41	30	90	528996	1@243	CP_64QAM	18.69
n41	30	90	528996	245@0	CP_256QAM	16.21
n41	30	90	528996	123@61	CP_256QAM	16.34
n41	30	90	528996	1@1	CP_256QAM	15.98
n41	30	90	528996	1@243	CP_256QAM	16.05



n41	30	100	509202	270@0	DFT_BPSK	23.29
n41	30	100	509202	135@67	DFT_BPSK	23.45
n41	30	100	509202	1@1	DFT_BPSK	22.76
n41	30	100	509202	1@271	DFT_BPSK	22.59
n41	30	100	509202	270@0	DFT_QPSK	23.31
n41	30	100	509202	135@67	DFT_QPSK	23.46
n41	30	100	509202	1@1	DFT_QPSK	22.81
n41	30	100	509202	1@271	DFT_QPSK	22.64
n41	30	100	509202	270@0	DFT_16QAM	21.81
n41	30	100	509202	135@67	DFT_16QAM	23.01
n41	30	100	509202	1@1	DFT_16QAM	22.35
n41	30	100	509202	1@271	DFT_16QAM	22.17
n41	30	100	509202	270@0	DFT_64QAM	20.77
n41	30	100	509202	135@67	DFT_64QAM	20.97
n41	30	100	509202	1@1	DFT_64QAM	20.31
n41	30	100	509202	1@271	DFT_64QAM	20.14
n41	30	100	509202	270@0	DFT_256QAM	18.72
n41	30	100	509202	135@67	DFT_256QAM	18.89
n41	30	100	509202	1@1	DFT_256QAM	18.38
n41	30	100	509202	1@271	DFT_256QAM	18.2
n41	30	100	509202	273@0	CP_QPSK	20.23
n41	30	100	509202	137@68	CP_QPSK	22.98
n41	30	100	509202	1@1	CP_QPSK	22.45
n41	30	100	509202	1@271	CP_QPSK	22.31
n41	30	100	509202	273@0	CP_16QAM	20.24
n41	30	100	509202	137@68	CP_16QAM	21.41
n41	30	100	509202	1@1	CP_16QAM	20.83
n41	30	100	509202	1@271	CP_16QAM	20.7
n41	30	100	509202	273@0	CP_64QAM	19.73
n41	30	100	509202	137@68	CP_64QAM	19.93
n41	30	100	509202	1@1	CP_64QAM	19.11
n41	30	100	509202	1@271	CP_64QAM	18.96
n41	30	100	509202	273@0	CP_256QAM	16.69
n41	30	100	509202	137@68	CP_256QAM	16.83
n41	30	100	509202	1@1	CP_256QAM	16.44
n41	30	100	509202	1@271	CP_256QAM	16.24
n41	30	100	518598	270@0	DFT_BPSK	23.3
n41	30	100	518598	135@67	DFT_BPSK	23.45
n41	30	100	518598	1@1	DFT_BPSK	22.71
n41	30	100	518598	1@271	DFT_BPSK	22.55
n41	30	100	518598	270@0	DFT_QPSK	23.33
n41	30	100	518598	135@67	DFT_QPSK	23.47
n41	30	100	518598	1@1	DFT_QPSK	22.72
n41	30	100	518598	1@271	DFT_QPSK	22.56
n41	30	100	518598	270@0	DFT_16QAM	21.83
n41	30	100	518598	135@67	DFT_16QAM	23.02
n41	30	100	518598	1@1	DFT_16QAM	22.29
n41	30	100	518598	1@271	DFT_16QAM	22.12
n41	30	100	518598	270@0	DFT_64QAM	20.78
n41	30	100	518598	135@67	DFT_64QAM	20.98
n41	30	100	518598	1@1	DFT_64QAM	20.24
n41	30	100	518598	1@271	DFT_64QAM	20.08
n41	30	100	518598	270@0	DFT_256QAM	18.75
n41	30	100	518598	135@67	DFT_256QAM	18.89
n41	30	100	518598	1@1	DFT_256QAM	18.32
n41	30	100	518598	1@271	DFT_256QAM	18.12
n41	30	100	518598	273@0	CP_QPSK	20.25



n41	30	100	518598	137@68	CP_QPSK	23.04
n41	30	100	518598	1@1	CP_QPSK	22.41
n41	30	100	518598	1@271	CP_QPSK	22.25
n41	30	100	518598	273@0	CP_16QAM	20.26
n41	30	100	518598	137@68	CP_16QAM	21.44
n41	30	100	518598	1@1	CP_16QAM	20.79
n41	30	100	518598	1@271	CP_16QAM	20.66
n41	30	100	518598	273@0	CP_64QAM	19.77
n41	30	100	518598	137@68	CP_64QAM	19.93
n41	30	100	518598	1@1	CP_64QAM	19.07
n41	30	100	518598	1@271	CP_64QAM	18.9
n41	30	100	518598	273@0	CP_256QAM	16.69
n41	30	100	518598	137@68	CP_256QAM	16.87
n41	30	100	518598	1@1	CP_256QAM	16.38
n41	30	100	518598	1@271	CP_256QAM	16.15
n41	30	100	528000	270@0	DFT_BPSK	23.31
n41	30	100	528000	135@67	DFT_BPSK	23.48
n41	30	100	528000	1@1	DFT_BPSK	22.77
n41	30	100	528000	1@271	DFT_BPSK	22.7
n41	30	100	528000	270@0	DFT_QPSK	23.33
n41	30	100	528000	135@67	DFT_QPSK	23.5
n41	30	100	528000	1@1	DFT_QPSK	22.76
n41	30	100	528000	1@271	DFT_QPSK	22.7
n41	30	100	528000	270@0	DFT_16QAM	21.82
n41	30	100	528000	135@67	DFT_16QAM	23.03
n41	30	100	528000	1@1	DFT_16QAM	22.38
n41	30	100	528000	1@271	DFT_16QAM	22.32
n41	30	100	528000	270@0	DFT_64QAM	20.79
n41	30	100	528000	135@67	DFT_64QAM	20.97
n41	30	100	528000	1@1	DFT_64QAM	20.28
n41	30	100	528000	1@271	DFT_64QAM	20.19
n41	30	100	528000	270@0	DFT_256QAM	18.72
n41	30	100	528000	135@67	DFT_256QAM	18.89
n41	30	100	528000	1@1	DFT_256QAM	18.36
n41	30	100	528000	1@271	DFT_256QAM	18.32
n41	30	100	528000	273@0	CP_QPSK	20.22
n41	30	100	528000	137@68	CP_QPSK	23.02
n41	30	100	528000	1@1	CP_QPSK	22.44
n41	30	100	528000	1@271	CP_QPSK	22.4
n41	30	100	528000	273@0	CP_16QAM	20.25
n41	30	100	528000	137@68	CP_16QAM	21.45
n41	30	100	528000	1@1	CP_16QAM	20.82
n41	30	100	528000	1@271	CP_16QAM	20.77
n41	30	100	528000	273@0	CP_64QAM	19.76
n41	30	100	528000	137@68	CP_64QAM	19.95
n41	30	100	528000	1@1	CP_64QAM	19.13
n41	30	100	528000	1@271	CP_64QAM	19.07
n41	30	100	528000	273@0	CP_256QAM	16.7
n41	30	100	528000	137@68	CP_256QAM	16.87
n41	30	100	528000	1@1	CP_256QAM	16.38
n41	30	100	528000	1@271	CP_256QAM	16.34



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)
n77(3450-3550)	30	10	630334	24@0	DFT_BPSK	22.89
n77(3450-3550)	30	10	630334	12@6	DFT_BPSK	22.85
n77(3450-3550)	30	10	630334	1@1	DFT_BPSK	22.89
n77(3450-3550)	30	10	630334	1@22	DFT_BPSK	22.79
n77(3450-3550)	30	10	630334	24@0	DFT_QPSK	22.87
n77(3450-3550)	30	10	630334	12@6	DFT_QPSK	22.84
n77(3450-3550)	30	10	630334	1@1	DFT_QPSK	22.87
n77(3450-3550)	30	10	630334	1@22	DFT_QPSK	22.77
n77(3450-3550)	30	10	630334	24@0	DFT_16QAM	21.29
n77(3450-3550)	30	10	630334	12@6	DFT_16QAM	22.35
n77(3450-3550)	30	10	630334	1@1	DFT_16QAM	22.27
n77(3450-3550)	30	10	630334	1@22	DFT_16QAM	22.2
n77(3450-3550)	30	10	630334	24@0	DFT_64QAM	20.3
n77(3450-3550)	30	10	630334	12@6	DFT_64QAM	20.31
n77(3450-3550)	30	10	630334	1@1	DFT_64QAM	20.09
n77(3450-3550)	30	10	630334	1@22	DFT_64QAM	20.04
n77(3450-3550)	30	10	630334	24@0	DFT_256QAM	18.46
n77(3450-3550)	30	10	630334	12@6	DFT_256QAM	18.47
n77(3450-3550)	30	10	630334	1@1	DFT_256QAM	18.41
n77(3450-3550)	30	10	630334	1@22	DFT_256QAM	18.59
n77(3450-3550)	30	10	630334	24@0	CP_QPSK	19.81
n77(3450-3550)	30	10	630334	12@6	CP_QPSK	22.32
n77(3450-3550)	30	10	630334	1@1	CP_QPSK	22.38
n77(3450-3550)	30	10	630334	1@22	CP_QPSK	22.31
n77(3450-3550)	30	10	630334	24@0	CP_16QAM	19.78
n77(3450-3550)	30	10	630334	12@6	CP_16QAM	20.76
n77(3450-3550)	30	10	630334	1@1	CP_16QAM	20.98
n77(3450-3550)	30	10	630334	1@22	CP_16QAM	20.93
n77(3450-3550)	30	10	630334	24@0	CP_64QAM	19.48
n77(3450-3550)	30	10	630334	12@6	CP_64QAM	19.53
n77(3450-3550)	30	10	630334	1@1	CP_64QAM	19.56
n77(3450-3550)	30	10	630334	1@22	CP_64QAM	19.47
n77(3450-3550)	30	10	630334	24@0	CP_256QAM	16.4
n77(3450-3550)	30	10	630334	12@6	CP_256QAM	16.47
n77(3450-3550)	30	10	630334	1@1	CP_256QAM	16.56
n77(3450-3550)	30	10	630334	1@22	CP_256QAM	16.25
n77(3450-3550)	30	10	633334	24@0	DFT_BPSK	22.6
n77(3450-3550)	30	10	633334	12@6	DFT_BPSK	22.58
n77(3450-3550)	30	10	633334	1@1	DFT_BPSK	22.46
n77(3450-3550)	30	10	633334	1@22	DFT_BPSK	22.55
n77(3450-3550)	30	10	633334	24@0	DFT_QPSK	22.61
n77(3450-3550)	30	10	633334	12@6	DFT_QPSK	22.54
n77(3450-3550)	30	10	633334	1@1	DFT_QPSK	22.46
n77(3450-3550)	30	10	633334	1@22	DFT_QPSK	22.55
n77(3450-3550)	30	10	633334	24@0	DFT_16QAM	21.02
n77(3450-3550)	30	10	633334	12@6	DFT_16QAM	22.05
n77(3450-3550)	30	10	633334	1@1	DFT_16QAM	21.86
n77(3450-3550)	30	10	633334	1@22	DFT_16QAM	21.93
n77(3450-3550)	30	10	633334	24@0	DFT_64QAM	19.98
n77(3450-3550)	30	10	633334	12@6	DFT_64QAM	20.02
n77(3450-3550)	30	10	633334	1@1	DFT_64QAM	19.72
n77(3450-3550)	30	10	633334	1@22	DFT_64QAM	19.79
n77(3450-3550)	30	10	633334	24@0	DFT_256QAM	18.2
n77(3450-3550)	30	10	633334	12@6	DFT_256QAM	18.05
n77(3450-3550)	30	10	633334	1@1	DFT_256QAM	18.01



n77(3450-3550)	30	10	633334	1@22	DFT_256QAM	18.15
n77(3450-3550)	30	10	633334	24@0	CP_QPSK	16.14
n77(3450-3550)	30	10	633334	12@6	CP_QPSK	22.04
n77(3450-3550)	30	10	633334	1@1	CP_QPSK	22.03
n77(3450-3550)	30	10	633334	1@22	CP_QPSK	22.09
n77(3450-3550)	30	10	633334	24@0	CP_16QAM	19.69
n77(3450-3550)	30	10	633334	12@6	CP_16QAM	20.43
n77(3450-3550)	30	10	633334	1@1	CP_16QAM	20.62
n77(3450-3550)	30	10	633334	1@22	CP_16QAM	20.67
n77(3450-3550)	30	10	633334	24@0	CP_64QAM	19.19
n77(3450-3550)	30	10	633334	12@6	CP_64QAM	19.25
n77(3450-3550)	30	10	633334	1@1	CP_64QAM	19.18
n77(3450-3550)	30	10	633334	1@22	CP_64QAM	19.27
n77(3450-3550)	30	10	633334	24@0	CP_256QAM	16.52
n77(3450-3550)	30	10	633334	12@6	CP_256QAM	16.16
n77(3450-3550)	30	10	633334	1@1	CP_256QAM	15.91
n77(3450-3550)	30	10	633334	1@22	CP_256QAM	16.04
n77(3450-3550)	30	10	636332	24@0	DFT_BPSK	23.04
n77(3450-3550)	30	10	636332	12@6	DFT_BPSK	23.04
n77(3450-3550)	30	10	636332	1@1	DFT_BPSK	22.98
n77(3450-3550)	30	10	636332	1@22	DFT_BPSK	22.98
n77(3450-3550)	30	10	636332	24@0	DFT_QPSK	22.98
n77(3450-3550)	30	10	636332	12@6	DFT_QPSK	23.04
n77(3450-3550)	30	10	636332	1@1	DFT_QPSK	22.97
n77(3450-3550)	30	10	636332	1@22	DFT_QPSK	22.95
n77(3450-3550)	30	10	636332	24@0	DFT_16QAM	21.46
n77(3450-3550)	30	10	636332	12@6	DFT_16QAM	22.53
n77(3450-3550)	30	10	636332	1@1	DFT_16QAM	22.38
n77(3450-3550)	30	10	636332	1@22	DFT_16QAM	22.36
n77(3450-3550)	30	10	636332	24@0	DFT_64QAM	20.45
n77(3450-3550)	30	10	636332	12@6	DFT_64QAM	20.51
n77(3450-3550)	30	10	636332	1@1	DFT_64QAM	20.24
n77(3450-3550)	30	10	636332	1@22	DFT_64QAM	20.24
n77(3450-3550)	30	10	636332	24@0	DFT_256QAM	18.26
n77(3450-3550)	30	10	636332	12@6	DFT_256QAM	18.64
n77(3450-3550)	30	10	636332	1@1	DFT_256QAM	18.52
n77(3450-3550)	30	10	636332	1@22	DFT_256QAM	18.26
n77(3450-3550)	30	10	636332	24@0	CP_QPSK	19.99
n77(3450-3550)	30	10	636332	12@6	CP_QPSK	22.51
n77(3450-3550)	30	10	636332	1@1	CP_QPSK	22.5
n77(3450-3550)	30	10	636332	1@22	CP_QPSK	22.51
n77(3450-3550)	30	10	636332	24@0	CP_16QAM	19.99
n77(3450-3550)	30	10	636332	12@6	CP_16QAM	20.96
n77(3450-3550)	30	10	636332	1@1	CP_16QAM	21.1
n77(3450-3550)	30	10	636332	1@22	CP_16QAM	21.09
n77(3450-3550)	30	10	636332	24@0	CP_64QAM	19.66
n77(3450-3550)	30	10	636332	12@6	CP_64QAM	19.71
n77(3450-3550)	30	10	636332	1@1	CP_64QAM	19.7
n77(3450-3550)	30	10	636332	1@22	CP_64QAM	19.62
n77(3450-3550)	30	10	636332	24@0	CP_256QAM	16.56
n77(3450-3550)	30	10	636332	12@6	CP_256QAM	16.66
n77(3450-3550)	30	10	636332	1@1	CP_256QAM	16.63
n77(3450-3550)	30	10	636332	1@22	CP_256QAM	16.39



n77(3450-3550)	30	15	630500	36@0	DFT_BPSK	22.88
n77(3450-3550)	30	15	630500	18@9	DFT_BPSK	22.91
n77(3450-3550)	30	15	630500	1@1	DFT_BPSK	22.89
n77(3450-3550)	30	15	630500	1@36	DFT_BPSK	22.73
n77(3450-3550)	30	15	630500	36@0	DFT_QPSK	22.87
n77(3450-3550)	30	15	630500	18@9	DFT_QPSK	22.89
n77(3450-3550)	30	15	630500	1@1	DFT_QPSK	22.83
n77(3450-3550)	30	15	630500	1@36	DFT_QPSK	22.72
n77(3450-3550)	30	15	630500	36@0	DFT_16QAM	21.28
n77(3450-3550)	30	15	630500	18@9	DFT_16QAM	22.37
n77(3450-3550)	30	15	630500	1@1	DFT_16QAM	22.25
n77(3450-3550)	30	15	630500	1@36	DFT_16QAM	22.17
n77(3450-3550)	30	15	630500	36@0	DFT_64QAM	20.31
n77(3450-3550)	30	15	630500	18@9	DFT_64QAM	20.34
n77(3450-3550)	30	15	630500	1@1	DFT_64QAM	20.12
n77(3450-3550)	30	15	630500	1@36	DFT_64QAM	20
n77(3450-3550)	30	15	630500	36@0	DFT_256QAM	18.47
n77(3450-3550)	30	15	630500	18@9	DFT_256QAM	18.49
n77(3450-3550)	30	15	630500	1@1	DFT_256QAM	18.26
n77(3450-3550)	30	15	630500	1@36	DFT_256QAM	18.32
n77(3450-3550)	30	15	630500	38@0	CP_QPSK	19.82
n77(3450-3550)	30	15	630500	19@9	CP_QPSK	22.3
n77(3450-3550)	30	15	630500	1@1	CP_QPSK	22.33
n77(3450-3550)	30	15	630500	1@36	CP_QPSK	22.27
n77(3450-3550)	30	15	630500	38@0	CP_16QAM	19.84
n77(3450-3550)	30	15	630500	19@9	CP_16QAM	20.85
n77(3450-3550)	30	15	630500	1@1	CP_16QAM	20.9
n77(3450-3550)	30	15	630500	1@36	CP_16QAM	20.82
n77(3450-3550)	30	15	630500	38@0	CP_64QAM	19.43
n77(3450-3550)	30	15	630500	19@9	CP_64QAM	19.47
n77(3450-3550)	30	15	630500	1@1	CP_64QAM	19.57
n77(3450-3550)	30	15	630500	1@36	CP_64QAM	19.46
n77(3450-3550)	30	15	630500	38@0	CP_256QAM	16.26
n77(3450-3550)	30	15	630500	19@9	CP_256QAM	16.42
n77(3450-3550)	30	15	630500	1@1	CP_256QAM	16.31
n77(3450-3550)	30	15	630500	1@36	CP_256QAM	16.24
n77(3450-3550)	30	15	633334	36@0	DFT_BPSK	22.57
n77(3450-3550)	30	15	633334	18@9	DFT_BPSK	22.62
n77(3450-3550)	30	15	633334	1@1	DFT_BPSK	22.42
n77(3450-3550)	30	15	633334	1@36	DFT_BPSK	22.58
n77(3450-3550)	30	15	633334	36@0	DFT_QPSK	22.54
n77(3450-3550)	30	15	633334	18@9	DFT_QPSK	22.58
n77(3450-3550)	30	15	633334	1@1	DFT_QPSK	22.37
n77(3450-3550)	30	15	633334	1@36	DFT_QPSK	22.55
n77(3450-3550)	30	15	633334	36@0	DFT_16QAM	20.99
n77(3450-3550)	30	15	633334	18@9	DFT_16QAM	22.08
n77(3450-3550)	30	15	633334	1@1	DFT_16QAM	21.79
n77(3450-3550)	30	15	633334	1@36	DFT_16QAM	21.95
n77(3450-3550)	30	15	633334	36@0	DFT_64QAM	20.01
n77(3450-3550)	30	15	633334	18@9	DFT_64QAM	20.03
n77(3450-3550)	30	15	633334	1@1	DFT_64QAM	19.65
n77(3450-3550)	30	15	633334	1@36	DFT_64QAM	19.77
n77(3450-3550)	30	15	633334	36@0	DFT_256QAM	18.16
n77(3450-3550)	30	15	633334	18@9	DFT_256QAM	17.53
n77(3450-3550)	30	15	633334	1@1	DFT_256QAM	17.97
n77(3450-3550)	30	15	633334	1@36	DFT_256QAM	18.14
n77(3450-3550)	30	15	633334	38@0	CP_QPSK	19.69



n77(3450-3550)	30	15	633334	19@9	CP_QPSK	22
n77(3450-3550)	30	15	633334	1@1	CP_QPSK	21.91
n77(3450-3550)	30	15	633334	1@36	CP_QPSK	22.08
n77(3450-3550)	30	15	633334	38@0	CP_16QAM	19.7
n77(3450-3550)	30	15	633334	19@9	CP_16QAM	20.53
n77(3450-3550)	30	15	633334	1@1	CP_16QAM	20.48
n77(3450-3550)	30	15	633334	1@36	CP_16QAM	20.65
n77(3450-3550)	30	15	633334	38@0	CP_64QAM	19.13
n77(3450-3550)	30	15	633334	19@9	CP_64QAM	19.18
n77(3450-3550)	30	15	633334	1@1	CP_64QAM	19.15
n77(3450-3550)	30	15	633334	1@36	CP_64QAM	19.27
n77(3450-3550)	30	15	633334	38@0	CP_256QAM	16.12
n77(3450-3550)	30	15	633334	19@9	CP_256QAM	16.11
n77(3450-3550)	30	15	633334	1@1	CP_256QAM	16.29
n77(3450-3550)	30	15	633334	1@36	CP_256QAM	16.04
n77(3450-3550)	30	15	636166	36@0	DFT_BPSK	22.99
n77(3450-3550)	30	15	636166	18@9	DFT_BPSK	23.06
n77(3450-3550)	30	15	636166	1@1	DFT_BPSK	22.93
n77(3450-3550)	30	15	636166	1@36	DFT_BPSK	22.89
n77(3450-3550)	30	15	636166	36@0	DFT_QPSK	23.02
n77(3450-3550)	30	15	636166	18@9	DFT_QPSK	23.05
n77(3450-3550)	30	15	636166	1@1	DFT_QPSK	22.9
n77(3450-3550)	30	15	636166	1@36	DFT_QPSK	22.87
n77(3450-3550)	30	15	636166	36@0	DFT_16QAM	21.44
n77(3450-3550)	30	15	636166	18@9	DFT_16QAM	22.52
n77(3450-3550)	30	15	636166	1@1	DFT_16QAM	22.35
n77(3450-3550)	30	15	636166	1@36	DFT_16QAM	22.34
n77(3450-3550)	30	15	636166	36@0	DFT_64QAM	20.44
n77(3450-3550)	30	15	636166	18@9	DFT_64QAM	20.49
n77(3450-3550)	30	15	636166	1@1	DFT_64QAM	20.15
n77(3450-3550)	30	15	636166	1@36	DFT_64QAM	20.14
n77(3450-3550)	30	15	636166	36@0	DFT_256QAM	18.61
n77(3450-3550)	30	15	636166	18@9	DFT_256QAM	18.32
n77(3450-3550)	30	15	636166	1@1	DFT_256QAM	18.54
n77(3450-3550)	30	15	636166	1@36	DFT_256QAM	18.59
n77(3450-3550)	30	15	636166	38@0	CP_QPSK	16.59
n77(3450-3550)	30	15	636166	19@9	CP_QPSK	22.48
n77(3450-3550)	30	15	636166	1@1	CP_QPSK	22.47
n77(3450-3550)	30	15	636166	1@36	CP_QPSK	22.46
n77(3450-3550)	30	15	636166	38@0	CP_16QAM	19.99
n77(3450-3550)	30	15	636166	19@9	CP_16QAM	20.98
n77(3450-3550)	30	15	636166	1@1	CP_16QAM	20.98
n77(3450-3550)	30	15	636166	1@36	CP_16QAM	20.95
n77(3450-3550)	30	15	636166	38@0	CP_64QAM	19.59
n77(3450-3550)	30	15	636166	19@9	CP_64QAM	19.65
n77(3450-3550)	30	15	636166	1@1	CP_64QAM	19.61
n77(3450-3550)	30	15	636166	1@36	CP_64QAM	19.58
n77(3450-3550)	30	15	636166	38@0	CP_256QAM	16.58
n77(3450-3550)	30	15	636166	19@9	CP_256QAM	16.58
n77(3450-3550)	30	15	636166	1@1	CP_256QAM	16.43
n77(3450-3550)	30	15	636166	1@36	CP_256QAM	16.41



n77(3450-3550)	30	20	630668	50@0	DFT_BPSK	22.88
n77(3450-3550)	30	20	630668	25@12	DFT_BPSK	22.87
n77(3450-3550)	30	20	630668	1@1	DFT_BPSK	22.8
n77(3450-3550)	30	20	630668	1@49	DFT_BPSK	22.67
n77(3450-3550)	30	20	630668	50@0	DFT_QPSK	22.86
n77(3450-3550)	30	20	630668	25@12	DFT_QPSK	22.88
n77(3450-3550)	30	20	630668	1@1	DFT_QPSK	22.77
n77(3450-3550)	30	20	630668	1@49	DFT_QPSK	22.63
n77(3450-3550)	30	20	630668	50@0	DFT_16QAM	21.35
n77(3450-3550)	30	20	630668	25@12	DFT_16QAM	22.38
n77(3450-3550)	30	20	630668	1@1	DFT_16QAM	22.26
n77(3450-3550)	30	20	630668	1@49	DFT_16QAM	22.23
n77(3450-3550)	30	20	630668	50@0	DFT_64QAM	20.33
n77(3450-3550)	30	20	630668	25@12	DFT_64QAM	20.34
n77(3450-3550)	30	20	630668	1@1	DFT_64QAM	20.05
n77(3450-3550)	30	20	630668	1@49	DFT_64QAM	19.91
n77(3450-3550)	30	20	630668	50@0	DFT_256QAM	18.46
n77(3450-3550)	30	20	630668	25@12	DFT_256QAM	18.49
n77(3450-3550)	30	20	630668	1@1	DFT_256QAM	18.35
n77(3450-3550)	30	20	630668	1@49	DFT_256QAM	18.24
n77(3450-3550)	30	20	630668	51@0	CP_QPSK	19.77
n77(3450-3550)	30	20	630668	25@12	CP_QPSK	22.35
n77(3450-3550)	30	20	630668	1@1	CP_QPSK	22.28
n77(3450-3550)	30	20	630668	1@49	CP_QPSK	22.15
n77(3450-3550)	30	20	630668	51@0	CP_16QAM	19.78
n77(3450-3550)	30	20	630668	25@12	CP_16QAM	20.85
n77(3450-3550)	30	20	630668	1@1	CP_16QAM	20.87
n77(3450-3550)	30	20	630668	1@49	CP_16QAM	20.72
n77(3450-3550)	30	20	630668	51@0	CP_64QAM	19.47
n77(3450-3550)	30	20	630668	25@12	CP_64QAM	19.49
n77(3450-3550)	30	20	630668	1@1	CP_64QAM	19.48
n77(3450-3550)	30	20	630668	1@49	CP_64QAM	19.35
n77(3450-3550)	30	20	630668	51@0	CP_256QAM	16.41
n77(3450-3550)	30	20	630668	25@12	CP_256QAM	16.49
n77(3450-3550)	30	20	630668	1@1	CP_256QAM	16.28
n77(3450-3550)	30	20	630668	1@49	CP_256QAM	16.16
n77(3450-3550)	30	20	633334	50@0	DFT_BPSK	22.59
n77(3450-3550)	30	20	633334	25@12	DFT_BPSK	22.6
n77(3450-3550)	30	20	633334	1@1	DFT_BPSK	22.37
n77(3450-3550)	30	20	633334	1@49	DFT_BPSK	22.52
n77(3450-3550)	30	20	633334	50@0	DFT_QPSK	22.59
n77(3450-3550)	30	20	633334	25@12	DFT_QPSK	22.59
n77(3450-3550)	30	20	633334	1@1	DFT_QPSK	22.3
n77(3450-3550)	30	20	633334	1@49	DFT_QPSK	22.46
n77(3450-3550)	30	20	633334	50@0	DFT_16QAM	21.05
n77(3450-3550)	30	20	633334	25@12	DFT_16QAM	22.09
n77(3450-3550)	30	20	633334	1@1	DFT_16QAM	21.75
n77(3450-3550)	30	20	633334	1@49	DFT_16QAM	21.91
n77(3450-3550)	30	20	633334	50@0	DFT_64QAM	20.03
n77(3450-3550)	30	20	633334	25@12	DFT_64QAM	20.05
n77(3450-3550)	30	20	633334	1@1	DFT_64QAM	19.61
n77(3450-3550)	30	20	633334	1@49	DFT_64QAM	19.77
n77(3450-3550)	30	20	633334	50@0	DFT_256QAM	18.29
n77(3450-3550)	30	20	633334	25@12	DFT_256QAM	18.23
n77(3450-3550)	30	20	633334	1@1	DFT_256QAM	18.22
n77(3450-3550)	30	20	633334	1@49	DFT_256QAM	18.07
n77(3450-3550)	30	20	633334	51@0	CP_QPSK	19.65



n77(3450-3550)	30	20	633334	25@12	CP_QPSK	22.08
n77(3450-3550)	30	20	633334	1@1	CP_QPSK	21.87
n77(3450-3550)	30	20	633334	1@49	CP_QPSK	21.97
n77(3450-3550)	30	20	633334	51@0	CP_16QAM	19.65
n77(3450-3550)	30	20	633334	25@12	CP_16QAM	20.56
n77(3450-3550)	30	20	633334	1@1	CP_16QAM	20.4
n77(3450-3550)	30	20	633334	1@49	CP_16QAM	20.55
n77(3450-3550)	30	20	633334	51@0	CP_64QAM	19.18
n77(3450-3550)	30	20	633334	25@12	CP_64QAM	19.21
n77(3450-3550)	30	20	633334	1@1	CP_64QAM	19.11
n77(3450-3550)	30	20	633334	1@49	CP_64QAM	19.23
n77(3450-3550)	30	20	633334	51@0	CP_256QAM	16.1
n77(3450-3550)	30	20	633334	25@12	CP_256QAM	16.2
n77(3450-3550)	30	20	633334	1@1	CP_256QAM	15.88
n77(3450-3550)	30	20	633334	1@49	CP_256QAM	15.96
n77(3450-3550)	30	20	636000	50@0	DFT_BPSK	22.99
n77(3450-3550)	30	20	636000	25@12	DFT_BPSK	23.03
n77(3450-3550)	30	20	636000	1@1	DFT_BPSK	22.84
n77(3450-3550)	30	20	636000	1@49	DFT_BPSK	22.84
n77(3450-3550)	30	20	636000	50@0	DFT_QPSK	23.01
n77(3450-3550)	30	20	636000	25@12	DFT_QPSK	23.01
n77(3450-3550)	30	20	636000	1@1	DFT_QPSK	22.88
n77(3450-3550)	30	20	636000	1@49	DFT_QPSK	22.84
n77(3450-3550)	30	20	636000	50@0	DFT_16QAM	21.48
n77(3450-3550)	30	20	636000	25@12	DFT_16QAM	22.52
n77(3450-3550)	30	20	636000	1@1	DFT_16QAM	22.58
n77(3450-3550)	30	20	636000	1@49	DFT_16QAM	22.54
n77(3450-3550)	30	20	636000	50@0	DFT_64QAM	20.4
n77(3450-3550)	30	20	636000	25@12	DFT_64QAM	20.48
n77(3450-3550)	30	20	636000	1@1	DFT_64QAM	20.19
n77(3450-3550)	30	20	636000	1@49	DFT_64QAM	20.18
n77(3450-3550)	30	20	636000	50@0	DFT_256QAM	18.59
n77(3450-3550)	30	20	636000	25@12	DFT_256QAM	18.66
n77(3450-3550)	30	20	636000	1@1	DFT_256QAM	18.3
n77(3450-3550)	30	20	636000	1@49	DFT_256QAM	18.3
n77(3450-3550)	30	20	636000	51@0	CP_QPSK	19.92
n77(3450-3550)	30	20	636000	25@12	CP_QPSK	22.52
n77(3450-3550)	30	20	636000	1@1	CP_QPSK	22.27
n77(3450-3550)	30	20	636000	1@49	CP_QPSK	22.28
n77(3450-3550)	30	20	636000	51@0	CP_16QAM	19.89
n77(3450-3550)	30	20	636000	25@12	CP_16QAM	20.99
n77(3450-3550)	30	20	636000	1@1	CP_16QAM	20.86
n77(3450-3550)	30	20	636000	1@49	CP_16QAM	20.83
n77(3450-3550)	30	20	636000	51@0	CP_64QAM	19.56
n77(3450-3550)	30	20	636000	25@12	CP_64QAM	19.6
n77(3450-3550)	30	20	636000	1@1	CP_64QAM	19.66
n77(3450-3550)	30	20	636000	1@49	CP_64QAM	19.63
n77(3450-3550)	30	20	636000	51@0	CP_256QAM	16.52
n77(3450-3550)	30	20	636000	25@12	CP_256QAM	16.63
n77(3450-3550)	30	20	636000	1@1	CP_256QAM	16.29
n77(3450-3550)	30	20	636000	1@49	CP_256QAM	16.27



n77(3450-3550)	30	40	631334	100@0	DFT_BPSK	22.64
n77(3450-3550)	30	40	631334	50@25	DFT_BPSK	22.81
n77(3450-3550)	30	40	631334	1@1	DFT_BPSK	22.49
n77(3450-3550)	30	40	631334	1@104	DFT_BPSK	21.94
n77(3450-3550)	30	40	631334	100@0	DFT_QPSK	22.63
n77(3450-3550)	30	40	631334	50@25	DFT_QPSK	22.76
n77(3450-3550)	30	40	631334	1@1	DFT_QPSK	22.52
n77(3450-3550)	30	40	631334	1@104	DFT_QPSK	21.95
n77(3450-3550)	30	40	631334	100@0	DFT_16QAM	21.14
n77(3450-3550)	30	40	631334	50@25	DFT_16QAM	22.31
n77(3450-3550)	30	40	631334	1@1	DFT_16QAM	22.25
n77(3450-3550)	30	40	631334	1@104	DFT_16QAM	21.65
n77(3450-3550)	30	40	631334	100@0	DFT_64QAM	20.14
n77(3450-3550)	30	40	631334	50@25	DFT_64QAM	20.24
n77(3450-3550)	30	40	631334	1@1	DFT_64QAM	19.86
n77(3450-3550)	30	40	631334	1@104	DFT_64QAM	19.26
n77(3450-3550)	30	40	631334	100@0	DFT_256QAM	18.23
n77(3450-3550)	30	40	631334	50@25	DFT_256QAM	18.39
n77(3450-3550)	30	40	631334	1@1	DFT_256QAM	17.93
n77(3450-3550)	30	40	631334	1@104	DFT_256QAM	17.34
n77(3450-3550)	30	40	631334	106@0	CP_QPSK	19.72
n77(3450-3550)	30	40	631334	53@26	CP_QPSK	22.24
n77(3450-3550)	30	40	631334	1@1	CP_QPSK	21.87
n77(3450-3550)	30	40	631334	1@104	CP_QPSK	21.32
n77(3450-3550)	30	40	631334	106@0	CP_16QAM	19.7
n77(3450-3550)	30	40	631334	53@26	CP_16QAM	20.72
n77(3450-3550)	30	40	631334	1@1	CP_16QAM	20.49
n77(3450-3550)	30	40	631334	1@104	CP_16QAM	19.9
n77(3450-3550)	30	40	631334	106@0	CP_64QAM	19.21
n77(3450-3550)	30	40	631334	53@26	CP_64QAM	19.39
n77(3450-3550)	30	40	631334	1@1	CP_64QAM	19.26
n77(3450-3550)	30	40	631334	1@104	CP_64QAM	18.63
n77(3450-3550)	30	40	631334	106@0	CP_256QAM	16.2
n77(3450-3550)	30	40	631334	53@26	CP_256QAM	16.35
n77(3450-3550)	30	40	631334	1@1	CP_256QAM	15.98
n77(3450-3550)	30	40	631334	1@104	CP_256QAM	15.38
n77(3450-3550)	30	40	633334	100@0	DFT_BPSK	22.48
n77(3450-3550)	30	40	633334	50@25	DFT_BPSK	22.58
n77(3450-3550)	30	40	633334	1@1	DFT_BPSK	22.24
n77(3450-3550)	30	40	633334	1@104	DFT_BPSK	22.16
n77(3450-3550)	30	40	633334	100@0	DFT_QPSK	22.46
n77(3450-3550)	30	40	633334	50@25	DFT_QPSK	22.55
n77(3450-3550)	30	40	633334	1@1	DFT_QPSK	22.28
n77(3450-3550)	30	40	633334	1@104	DFT_QPSK	22.21
n77(3450-3550)	30	40	633334	100@0	DFT_16QAM	20.97
n77(3450-3550)	30	40	633334	50@25	DFT_16QAM	22.07
n77(3450-3550)	30	40	633334	1@1	DFT_16QAM	21.98
n77(3450-3550)	30	40	633334	1@104	DFT_16QAM	21.92
n77(3450-3550)	30	40	633334	100@0	DFT_64QAM	19.96
n77(3450-3550)	30	40	633334	50@25	DFT_64QAM	19.99
n77(3450-3550)	30	40	633334	1@1	DFT_64QAM	19.61
n77(3450-3550)	30	40	633334	1@104	DFT_64QAM	19.52
n77(3450-3550)	30	40	633334	100@0	DFT_256QAM	18.07
n77(3450-3550)	30	40	633334	50@25	DFT_256QAM	18.14
n77(3450-3550)	30	40	633334	1@1	DFT_256QAM	17.77
n77(3450-3550)	30	40	633334	1@104	DFT_256QAM	17.73
n77(3450-3550)	30	40	633334	106@0	CP_QPSK	19.54



n77(3450-3550)	30	40	633334	53@26	CP_QPSK	22.02
n77(3450-3550)	30	40	633334	1@1	CP_QPSK	21.73
n77(3450-3550)	30	40	633334	1@104	CP_QPSK	21.64
n77(3450-3550)	30	40	633334	106@0	CP_16QAM	19.52
n77(3450-3550)	30	40	633334	53@26	CP_16QAM	20.5
n77(3450-3550)	30	40	633334	1@1	CP_16QAM	20.28
n77(3450-3550)	30	40	633334	1@104	CP_16QAM	20.21
n77(3450-3550)	30	40	633334	106@0	CP_64QAM	19.02
n77(3450-3550)	30	40	633334	53@26	CP_64QAM	19.17
n77(3450-3550)	30	40	633334	1@1	CP_64QAM	18.89
n77(3450-3550)	30	40	633334	1@104	CP_64QAM	18.87
n77(3450-3550)	30	40	633334	106@0	CP_256QAM	16.59
n77(3450-3550)	30	40	633334	53@26	CP_256QAM	16.12
n77(3450-3550)	30	40	633334	1@1	CP_256QAM	16.42
n77(3450-3550)	30	40	633334	1@104	CP_256QAM	15.64
n77(3450-3550)	30	40	635332	100@0	DFT_BPSK	22.73
n77(3450-3550)	30	40	635332	50@25	DFT_BPSK	22.85
n77(3450-3550)	30	40	635332	1@1	DFT_BPSK	22.4
n77(3450-3550)	30	40	635332	1@104	DFT_BPSK	22.38
n77(3450-3550)	30	40	635332	100@0	DFT_QPSK	22.71
n77(3450-3550)	30	40	635332	50@25	DFT_QPSK	22.86
n77(3450-3550)	30	40	635332	1@1	DFT_QPSK	22.33
n77(3450-3550)	30	40	635332	1@104	DFT_QPSK	22.29
n77(3450-3550)	30	40	635332	100@0	DFT_16QAM	21.21
n77(3450-3550)	30	40	635332	50@25	DFT_16QAM	22.35
n77(3450-3550)	30	40	635332	1@1	DFT_16QAM	21.74
n77(3450-3550)	30	40	635332	1@104	DFT_16QAM	21.67
n77(3450-3550)	30	40	635332	100@0	DFT_64QAM	20.18
n77(3450-3550)	30	40	635332	50@25	DFT_64QAM	20.31
n77(3450-3550)	30	40	635332	1@1	DFT_64QAM	19.69
n77(3450-3550)	30	40	635332	1@104	DFT_64QAM	19.61
n77(3450-3550)	30	40	635332	100@0	DFT_256QAM	18.55
n77(3450-3550)	30	40	635332	50@25	DFT_256QAM	18.44
n77(3450-3550)	30	40	635332	1@1	DFT_256QAM	17.93
n77(3450-3550)	30	40	635332	1@104	DFT_256QAM	17.89
n77(3450-3550)	30	40	635332	106@0	CP_QPSK	19.64
n77(3450-3550)	30	40	635332	53@26	CP_QPSK	22.29
n77(3450-3550)	30	40	635332	1@1	CP_QPSK	21.87
n77(3450-3550)	30	40	635332	1@104	CP_QPSK	21.81
n77(3450-3550)	30	40	635332	106@0	CP_16QAM	19.64
n77(3450-3550)	30	40	635332	53@26	CP_16QAM	20.77
n77(3450-3550)	30	40	635332	1@1	CP_16QAM	20.5
n77(3450-3550)	30	40	635332	1@104	CP_16QAM	20.46
n77(3450-3550)	30	40	635332	106@0	CP_64QAM	19.28
n77(3450-3550)	30	40	635332	53@26	CP_64QAM	19.43
n77(3450-3550)	30	40	635332	1@1	CP_64QAM	19.05
n77(3450-3550)	30	40	635332	1@104	CP_64QAM	19.26
n77(3450-3550)	30	40	635332	106@0	CP_256QAM	16.28
n77(3450-3550)	30	40	635332	53@26	CP_256QAM	15.69
n77(3450-3550)	30	40	635332	1@1	CP_256QAM	15.83
n77(3450-3550)	30	40	635332	1@104	CP_256QAM	15.41



n77(3450-3550)	30	50	631668	128@0	DFT_BPSK	22.66
n77(3450-3550)	30	50	631668	64@32	DFT_BPSK	22.74
n77(3450-3550)	30	50	631668	1@1	DFT_BPSK	22.75
n77(3450-3550)	30	50	631668	1@131	DFT_BPSK	22.19
n77(3450-3550)	30	50	631668	128@0	DFT_QPSK	22.64
n77(3450-3550)	30	50	631668	64@32	DFT_QPSK	22.72
n77(3450-3550)	30	50	631668	1@1	DFT_QPSK	22.75
n77(3450-3550)	30	50	631668	1@131	DFT_QPSK	22.17
n77(3450-3550)	30	50	631668	128@0	DFT_16QAM	21.14
n77(3450-3550)	30	50	631668	64@32	DFT_16QAM	22.24
n77(3450-3550)	30	50	631668	1@1	DFT_16QAM	22.13
n77(3450-3550)	30	50	631668	1@131	DFT_16QAM	21.57
n77(3450-3550)	30	50	631668	128@0	DFT_64QAM	20.1
n77(3450-3550)	30	50	631668	64@32	DFT_64QAM	20.19
n77(3450-3550)	30	50	631668	1@1	DFT_64QAM	20.02
n77(3450-3550)	30	50	631668	1@131	DFT_64QAM	19.47
n77(3450-3550)	30	50	631668	128@0	DFT_256QAM	18.27
n77(3450-3550)	30	50	631668	64@32	DFT_256QAM	18.53
n77(3450-3550)	30	50	631668	1@1	DFT_256QAM	18.34
n77(3450-3550)	30	50	631668	1@131	DFT_256QAM	18.69
n77(3450-3550)	30	50	631668	133@0	CP_QPSK	19.7
n77(3450-3550)	30	50	631668	67@33	CP_QPSK	22.19
n77(3450-3550)	30	50	631668	1@1	CP_QPSK	22.27
n77(3450-3550)	30	50	631668	1@131	CP_QPSK	21.68
n77(3450-3550)	30	50	631668	133@0	CP_16QAM	19.72
n77(3450-3550)	30	50	631668	67@33	CP_16QAM	20.65
n77(3450-3550)	30	50	631668	1@1	CP_16QAM	20.85
n77(3450-3550)	30	50	631668	1@131	CP_16QAM	20.25
n77(3450-3550)	30	50	631668	133@0	CP_64QAM	19.24
n77(3450-3550)	30	50	631668	67@33	CP_64QAM	19.36
n77(3450-3550)	30	50	631668	1@1	CP_64QAM	19.44
n77(3450-3550)	30	50	631668	1@131	CP_64QAM	19.59
n77(3450-3550)	30	50	631668	133@0	CP_256QAM	16.18
n77(3450-3550)	30	50	631668	67@33	CP_256QAM	16.42
n77(3450-3550)	30	50	631668	1@1	CP_256QAM	16.23
n77(3450-3550)	30	50	631668	1@131	CP_256QAM	15.64
n77(3450-3550)	30	50	633334	128@0	DFT_BPSK	22.57
n77(3450-3550)	30	50	633334	64@32	DFT_BPSK	22.62
n77(3450-3550)	30	50	633334	1@1	DFT_BPSK	22.61
n77(3450-3550)	30	50	633334	1@131	DFT_BPSK	22.42
n77(3450-3550)	30	50	633334	128@0	DFT_QPSK	22.59
n77(3450-3550)	30	50	633334	64@32	DFT_QPSK	22.58
n77(3450-3550)	30	50	633334	1@1	DFT_QPSK	22.61
n77(3450-3550)	30	50	633334	1@131	DFT_QPSK	22.42
n77(3450-3550)	30	50	633334	128@0	DFT_16QAM	21.08
n77(3450-3550)	30	50	633334	64@32	DFT_16QAM	22.11
n77(3450-3550)	30	50	633334	1@1	DFT_16QAM	21.96
n77(3450-3550)	30	50	633334	1@131	DFT_16QAM	21.77
n77(3450-3550)	30	50	633334	128@0	DFT_64QAM	20.06
n77(3450-3550)	30	50	633334	64@32	DFT_64QAM	20.06
n77(3450-3550)	30	50	633334	1@1	DFT_64QAM	19.86
n77(3450-3550)	30	50	633334	1@131	DFT_64QAM	19.67
n77(3450-3550)	30	50	633334	128@0	DFT_256QAM	18.11
n77(3450-3550)	30	50	633334	64@32	DFT_256QAM	18.22
n77(3450-3550)	30	50	633334	1@1	DFT_256QAM	18.17
n77(3450-3550)	30	50	633334	1@131	DFT_256QAM	18.41
n77(3450-3550)	30	50	633334	133@0	CP_QPSK	19.99



n77(3450-3550)	30	50	633334	67@33	CP_QPSK	22.11
n77(3450-3550)	30	50	633334	1@1	CP_QPSK	22.14
n77(3450-3550)	30	50	633334	1@131	CP_QPSK	21.92
n77(3450-3550)	30	50	633334	133@0	CP_16QAM	19.67
n77(3450-3550)	30	50	633334	67@33	CP_16QAM	20.56
n77(3450-3550)	30	50	633334	1@1	CP_16QAM	20.68
n77(3450-3550)	30	50	633334	1@131	CP_16QAM	20.47
n77(3450-3550)	30	50	633334	133@0	CP_64QAM	19.2
n77(3450-3550)	30	50	633334	67@33	CP_64QAM	19.21
n77(3450-3550)	30	50	633334	1@1	CP_64QAM	19.35
n77(3450-3550)	30	50	633334	1@131	CP_64QAM	19.15
n77(3450-3550)	30	50	633334	133@0	CP_256QAM	16.12
n77(3450-3550)	30	50	633334	67@33	CP_256QAM	16.52
n77(3450-3550)	30	50	633334	1@1	CP_256QAM	16.12
n77(3450-3550)	30	50	633334	1@131	CP_256QAM	16.25
n77(3450-3550)	30	50	635000	128@0	DFT_BPSK	22.67
n77(3450-3550)	30	50	635000	64@32	DFT_BPSK	22.71
n77(3450-3550)	30	50	635000	1@1	DFT_BPSK	22.45
n77(3450-3550)	30	50	635000	1@131	DFT_BPSK	22.5
n77(3450-3550)	30	50	635000	128@0	DFT_QPSK	22.67
n77(3450-3550)	30	50	635000	64@32	DFT_QPSK	22.7
n77(3450-3550)	30	50	635000	1@1	DFT_QPSK	22.41
n77(3450-3550)	30	50	635000	1@131	DFT_QPSK	22.45
n77(3450-3550)	30	50	635000	128@0	DFT_16QAM	21.15
n77(3450-3550)	30	50	635000	64@32	DFT_16QAM	22.21
n77(3450-3550)	30	50	635000	1@1	DFT_16QAM	21.82
n77(3450-3550)	30	50	635000	1@131	DFT_16QAM	21.88
n77(3450-3550)	30	50	635000	128@0	DFT_64QAM	20.13
n77(3450-3550)	30	50	635000	64@32	DFT_64QAM	20.18
n77(3450-3550)	30	50	635000	1@1	DFT_64QAM	19.71
n77(3450-3550)	30	50	635000	1@131	DFT_64QAM	19.74
n77(3450-3550)	30	50	635000	128@0	DFT_256QAM	18.69
n77(3450-3550)	30	50	635000	64@32	DFT_256QAM	18.32
n77(3450-3550)	30	50	635000	1@1	DFT_256QAM	18.49
n77(3450-3550)	30	50	635000	1@131	DFT_256QAM	18.13
n77(3450-3550)	30	50	635000	133@0	CP_QPSK	19.61
n77(3450-3550)	30	50	635000	67@33	CP_QPSK	22.22
n77(3450-3550)	30	50	635000	1@1	CP_QPSK	21.96
n77(3450-3550)	30	50	635000	1@131	CP_QPSK	22.01
n77(3450-3550)	30	50	635000	133@0	CP_16QAM	19.61
n77(3450-3550)	30	50	635000	67@33	CP_16QAM	20.65
n77(3450-3550)	30	50	635000	1@1	CP_16QAM	20.55
n77(3450-3550)	30	50	635000	1@131	CP_16QAM	20.61
n77(3450-3550)	30	50	635000	133@0	CP_64QAM	19.28
n77(3450-3550)	30	50	635000	67@33	CP_64QAM	19.34
n77(3450-3550)	30	50	635000	1@1	CP_64QAM	19.13
n77(3450-3550)	30	50	635000	1@131	CP_64QAM	19.19
n77(3450-3550)	30	50	635000	133@0	CP_256QAM	16.54
n77(3450-3550)	30	50	635000	67@33	CP_256QAM	16.3
n77(3450-3550)	30	50	635000	1@1	CP_256QAM	16.42
n77(3450-3550)	30	50	635000	1@131	CP_256QAM	16.01



n77(3450-3550)	30	60	632000	162@0	DFT_BPSK	22.58
n77(3450-3550)	30	60	632000	81@40	DFT_BPSK	22.66
n77(3450-3550)	30	60	632000	1@1	DFT_BPSK	22.64
n77(3450-3550)	30	60	632000	1@160	DFT_BPSK	22.14
n77(3450-3550)	30	60	632000	162@0	DFT_QPSK	22.58
n77(3450-3550)	30	60	632000	81@40	DFT_QPSK	22.65
n77(3450-3550)	30	60	632000	1@1	DFT_QPSK	22.64
n77(3450-3550)	30	60	632000	1@160	DFT_QPSK	22.18
n77(3450-3550)	30	60	632000	162@0	DFT_16QAM	21.08
n77(3450-3550)	30	60	632000	81@40	DFT_16QAM	22.17
n77(3450-3550)	30	60	632000	1@1	DFT_16QAM	21.97
n77(3450-3550)	30	60	632000	1@160	DFT_16QAM	21.53
n77(3450-3550)	30	60	632000	162@0	DFT_64QAM	20.03
n77(3450-3550)	30	60	632000	81@40	DFT_64QAM	20.13
n77(3450-3550)	30	60	632000	1@1	DFT_64QAM	19.9
n77(3450-3550)	30	60	632000	1@160	DFT_64QAM	19.44
n77(3450-3550)	30	60	632000	162@0	DFT_256QAM	18.16
n77(3450-3550)	30	60	632000	81@40	DFT_256QAM	18.26
n77(3450-3550)	30	60	632000	1@1	DFT_256QAM	18.22
n77(3450-3550)	30	60	632000	1@160	DFT_256QAM	18.46
n77(3450-3550)	30	60	632000	162@0	CP_QPSK	19.64
n77(3450-3550)	30	60	632000	81@40	CP_QPSK	22.12
n77(3450-3550)	30	60	632000	1@1	CP_QPSK	22.16
n77(3450-3550)	30	60	632000	1@160	CP_QPSK	21.68
n77(3450-3550)	30	60	632000	162@0	CP_16QAM	19.62
n77(3450-3550)	30	60	632000	81@40	CP_16QAM	20.64
n77(3450-3550)	30	60	632000	1@1	CP_16QAM	20.73
n77(3450-3550)	30	60	632000	1@160	CP_16QAM	20.26
n77(3450-3550)	30	60	632000	162@0	CP_64QAM	19.15
n77(3450-3550)	30	60	632000	81@40	CP_64QAM	19.26
n77(3450-3550)	30	60	632000	1@1	CP_64QAM	19.4
n77(3450-3550)	30	60	632000	1@160	CP_64QAM	19.06
n77(3450-3550)	30	60	632000	162@0	CP_256QAM	16.12
n77(3450-3550)	30	60	632000	81@40	CP_256QAM	16.52
n77(3450-3550)	30	60	632000	1@1	CP_256QAM	16.13
n77(3450-3550)	30	60	632000	1@160	CP_256QAM	15.65
n77(3450-3550)	30	60	633334	162@0	DFT_BPSK	22.55
n77(3450-3550)	30	60	633334	81@40	DFT_BPSK	22.6
n77(3450-3550)	30	60	633334	1@1	DFT_BPSK	22.55
n77(3450-3550)	30	60	633334	1@160	DFT_BPSK	22.26
n77(3450-3550)	30	60	633334	162@0	DFT_QPSK	22.54
n77(3450-3550)	30	60	633334	81@40	DFT_QPSK	22.59
n77(3450-3550)	30	60	633334	1@1	DFT_QPSK	22.55
n77(3450-3550)	30	60	633334	1@160	DFT_QPSK	22.25
n77(3450-3550)	30	60	633334	162@0	DFT_16QAM	21.05
n77(3450-3550)	30	60	633334	81@40	DFT_16QAM	22.08
n77(3450-3550)	30	60	633334	1@1	DFT_16QAM	21.91
n77(3450-3550)	30	60	633334	1@160	DFT_16QAM	21.58
n77(3450-3550)	30	60	633334	162@0	DFT_64QAM	20.01
n77(3450-3550)	30	60	633334	81@40	DFT_64QAM	20.04
n77(3450-3550)	30	60	633334	1@1	DFT_64QAM	19.81
n77(3450-3550)	30	60	633334	1@160	DFT_64QAM	19.5
n77(3450-3550)	30	60	633334	162@0	DFT_256QAM	18.15
n77(3450-3550)	30	60	633334	81@40	DFT_256QAM	18.58
n77(3450-3550)	30	60	633334	1@1	DFT_256QAM	18.19
n77(3450-3550)	30	60	633334	1@160	DFT_256QAM	18.22
n77(3450-3550)	30	60	633334	162@0	CP_QPSK	19.63



n77(3450-3550)	30	60	633334	81@40	CP_QPSK	22.06
n77(3450-3550)	30	60	633334	1@1	CP_QPSK	22.09
n77(3450-3550)	30	60	633334	1@160	CP_QPSK	21.79
n77(3450-3550)	30	60	633334	162@0	CP_16QAM	19.6
n77(3450-3550)	30	60	633334	81@40	CP_16QAM	20.56
n77(3450-3550)	30	60	633334	1@1	CP_16QAM	20.67
n77(3450-3550)	30	60	633334	1@160	CP_16QAM	20.38
n77(3450-3550)	30	60	633334	162@0	CP_64QAM	19.12
n77(3450-3550)	30	60	633334	81@40	CP_64QAM	19.19
n77(3450-3550)	30	60	633334	1@1	CP_64QAM	19.31
n77(3450-3550)	30	60	633334	1@160	CP_64QAM	19.04
n77(3450-3550)	30	60	633334	162@0	CP_256QAM	16.25
n77(3450-3550)	30	60	633334	81@40	CP_256QAM	16.15
n77(3450-3550)	30	60	633334	1@1	CP_256QAM	16.23
n77(3450-3550)	30	60	633334	1@160	CP_256QAM	15.73
n77(3450-3550)	30	60	634666	162@0	DFT_BPSK	22.62
n77(3450-3550)	30	60	634666	81@40	DFT_BPSK	22.74
n77(3450-3550)	30	60	634666	1@1	DFT_BPSK	22.22
n77(3450-3550)	30	60	634666	1@160	DFT_BPSK	22.33
n77(3450-3550)	30	60	634666	162@0	DFT_QPSK	22.6
n77(3450-3550)	30	60	634666	81@40	DFT_QPSK	22.73
n77(3450-3550)	30	60	634666	1@1	DFT_QPSK	22.2
n77(3450-3550)	30	60	634666	1@160	DFT_QPSK	22.31
n77(3450-3550)	30	60	634666	162@0	DFT_16QAM	21.12
n77(3450-3550)	30	60	634666	81@40	DFT_16QAM	22.24
n77(3450-3550)	30	60	634666	1@1	DFT_16QAM	21.56
n77(3450-3550)	30	60	634666	1@160	DFT_16QAM	21.69
n77(3450-3550)	30	60	634666	162@0	DFT_64QAM	20.08
n77(3450-3550)	30	60	634666	81@40	DFT_64QAM	20.2
n77(3450-3550)	30	60	634666	1@1	DFT_64QAM	19.45
n77(3450-3550)	30	60	634666	1@160	DFT_64QAM	19.57
n77(3450-3550)	30	60	634666	162@0	DFT_256QAM	18.02
n77(3450-3550)	30	60	634666	81@40	DFT_256QAM	18.33
n77(3450-3550)	30	60	634666	1@1	DFT_256QAM	17.81
n77(3450-3550)	30	60	634666	1@160	DFT_256QAM	17.92
n77(3450-3550)	30	60	634666	162@0	CP_QPSK	19.55
n77(3450-3550)	30	60	634666	81@40	CP_QPSK	22.18
n77(3450-3550)	30	60	634666	1@1	CP_QPSK	21.69
n77(3450-3550)	30	60	634666	1@160	CP_QPSK	21.79
n77(3450-3550)	30	60	634666	162@0	CP_16QAM	19.5
n77(3450-3550)	30	60	634666	81@40	CP_16QAM	20.7
n77(3450-3550)	30	60	634666	1@1	CP_16QAM	20.27
n77(3450-3550)	30	60	634666	1@160	CP_16QAM	20.42
n77(3450-3550)	30	60	634666	162@0	CP_64QAM	19.19
n77(3450-3550)	30	60	634666	81@40	CP_64QAM	19.34
n77(3450-3550)	30	60	634666	1@1	CP_64QAM	18.91
n77(3450-3550)	30	60	634666	1@160	CP_64QAM	19.02
n77(3450-3550)	30	60	634666	162@0	CP_256QAM	16.26
n77(3450-3550)	30	60	634666	81@40	CP_256QAM	16.28
n77(3450-3550)	30	60	634666	1@1	CP_256QAM	15.73
n77(3450-3550)	30	60	634666	1@160	CP_256QAM	15.81



n77(3450-3550)	30	70	632334	180@0	DFT_BPSK	22.66
n77(3450-3550)	30	70	632334	90@45	DFT_BPSK	22.67
n77(3450-3550)	30	70	632334	1@1	DFT_BPSK	22.65
n77(3450-3550)	30	70	632334	1@187	DFT_BPSK	22.21
n77(3450-3550)	30	70	632334	180@0	DFT_QPSK	22.65
n77(3450-3550)	30	70	632334	90@45	DFT_QPSK	22.67
n77(3450-3550)	30	70	632334	1@1	DFT_QPSK	22.62
n77(3450-3550)	30	70	632334	1@187	DFT_QPSK	22.19
n77(3450-3550)	30	70	632334	180@0	DFT_16QAM	21.11
n77(3450-3550)	30	70	632334	90@45	DFT_16QAM	22.15
n77(3450-3550)	30	70	632334	1@1	DFT_16QAM	21.98
n77(3450-3550)	30	70	632334	1@187	DFT_16QAM	21.56
n77(3450-3550)	30	70	632334	180@0	DFT_64QAM	20.12
n77(3450-3550)	30	70	632334	90@45	DFT_64QAM	20.13
n77(3450-3550)	30	70	632334	1@1	DFT_64QAM	19.86
n77(3450-3550)	30	70	632334	1@187	DFT_64QAM	19.4
n77(3450-3550)	30	70	632334	180@0	DFT_256QAM	18.81
n77(3450-3550)	30	70	632334	90@45	DFT_256QAM	18.28
n77(3450-3550)	30	70	632334	1@1	DFT_256QAM	18.21
n77(3450-3550)	30	70	632334	1@187	DFT_256QAM	17.81
n77(3450-3550)	30	70	632334	189@0	CP_QPSK	19.57
n77(3450-3550)	30	70	632334	95@47	CP_QPSK	22.13
n77(3450-3550)	30	70	632334	1@1	CP_QPSK	22.14
n77(3450-3550)	30	70	632334	1@187	CP_QPSK	21.73
n77(3450-3550)	30	70	632334	189@0	CP_16QAM	19.57
n77(3450-3550)	30	70	632334	95@47	CP_16QAM	20.62
n77(3450-3550)	30	70	632334	1@1	CP_16QAM	20.68
n77(3450-3550)	30	70	632334	1@187	CP_16QAM	20.23
n77(3450-3550)	30	70	632334	189@0	CP_64QAM	19.28
n77(3450-3550)	30	70	632334	95@47	CP_64QAM	19.27
n77(3450-3550)	30	70	632334	1@1	CP_64QAM	19.5
n77(3450-3550)	30	70	632334	1@187	CP_64QAM	19.07
n77(3450-3550)	30	70	632334	189@0	CP_256QAM	16.22
n77(3450-3550)	30	70	632334	95@47	CP_256QAM	16.23
n77(3450-3550)	30	70	632334	1@1	CP_256QAM	16.19
n77(3450-3550)	30	70	632334	1@187	CP_256QAM	16.2
n77(3450-3550)	30	70	633334	180@0	DFT_BPSK	22.66
n77(3450-3550)	30	70	633334	90@45	DFT_BPSK	22.66
n77(3450-3550)	30	70	633334	1@1	DFT_BPSK	22.57
n77(3450-3550)	30	70	633334	1@187	DFT_BPSK	22.28
n77(3450-3550)	30	70	633334	180@0	DFT_QPSK	22.65
n77(3450-3550)	30	70	633334	90@45	DFT_QPSK	22.68
n77(3450-3550)	30	70	633334	1@1	DFT_QPSK	22.58
n77(3450-3550)	30	70	633334	1@187	DFT_QPSK	22.25
n77(3450-3550)	30	70	633334	180@0	DFT_16QAM	21.13
n77(3450-3550)	30	70	633334	90@45	DFT_16QAM	22.14
n77(3450-3550)	30	70	633334	1@1	DFT_16QAM	21.92
n77(3450-3550)	30	70	633334	1@187	DFT_16QAM	21.58
n77(3450-3550)	30	70	633334	180@0	DFT_64QAM	20.13
n77(3450-3550)	30	70	633334	90@45	DFT_64QAM	20.08
n77(3450-3550)	30	70	633334	1@1	DFT_64QAM	19.77
n77(3450-3550)	30	70	633334	1@187	DFT_64QAM	19.46
n77(3450-3550)	30	70	633334	180@0	DFT_256QAM	18.29
n77(3450-3550)	30	70	633334	90@45	DFT_256QAM	18.24
n77(3450-3550)	30	70	633334	1@1	DFT_256QAM	18.16
n77(3450-3550)	30	70	633334	1@187	DFT_256QAM	18.23
n77(3450-3550)	30	70	633334	189@0	CP_QPSK	19.58



n77(3450-3550)	30	70	633334	95@47	CP_QPSK	22.11
n77(3450-3550)	30	70	633334	1@1	CP_QPSK	22.21
n77(3450-3550)	30	70	633334	1@187	CP_QPSK	21.88
n77(3450-3550)	30	70	633334	189@0	CP_16QAM	19.6
n77(3450-3550)	30	70	633334	95@47	CP_16QAM	20.6
n77(3450-3550)	30	70	633334	1@1	CP_16QAM	20.68
n77(3450-3550)	30	70	633334	1@187	CP_16QAM	20.33
n77(3450-3550)	30	70	633334	189@0	CP_64QAM	19.25
n77(3450-3550)	30	70	633334	95@47	CP_64QAM	19.24
n77(3450-3550)	30	70	633334	1@1	CP_64QAM	19.4
n77(3450-3550)	30	70	633334	1@187	CP_64QAM	19.06
n77(3450-3550)	30	70	633334	189@0	CP_256QAM	16.71
n77(3450-3550)	30	70	633334	95@47	CP_256QAM	16.2
n77(3450-3550)	30	70	633334	1@1	CP_256QAM	16.64
n77(3450-3550)	30	70	633334	1@187	CP_256QAM	15.79
n77(3450-3550)	30	70	634332	180@0	DFT_BPSK	22.68
n77(3450-3550)	30	70	634332	90@45	DFT_BPSK	22.76
n77(3450-3550)	30	70	634332	1@1	DFT_BPSK	22.45
n77(3450-3550)	30	70	634332	1@187	DFT_BPSK	22.36
n77(3450-3550)	30	70	634332	180@0	DFT_QPSK	22.65
n77(3450-3550)	30	70	634332	90@45	DFT_QPSK	22.76
n77(3450-3550)	30	70	634332	1@1	DFT_QPSK	22.4
n77(3450-3550)	30	70	634332	1@187	DFT_QPSK	22.31
n77(3450-3550)	30	70	634332	180@0	DFT_16QAM	21.15
n77(3450-3550)	30	70	634332	90@45	DFT_16QAM	22.23
n77(3450-3550)	30	70	634332	1@1	DFT_16QAM	21.8
n77(3450-3550)	30	70	634332	1@187	DFT_16QAM	21.71
n77(3450-3550)	30	70	634332	180@0	DFT_64QAM	20.12
n77(3450-3550)	30	70	634332	90@45	DFT_64QAM	20.21
n77(3450-3550)	30	70	634332	1@1	DFT_64QAM	19.6
n77(3450-3550)	30	70	634332	1@187	DFT_64QAM	19.53
n77(3450-3550)	30	70	634332	180@0	DFT_256QAM	18.31
n77(3450-3550)	30	70	634332	90@45	DFT_256QAM	18.26
n77(3450-3550)	30	70	634332	1@1	DFT_256QAM	18.05
n77(3450-3550)	30	70	634332	1@187	DFT_256QAM	18.4
n77(3450-3550)	30	70	634332	189@0	CP_QPSK	19.58
n77(3450-3550)	30	70	634332	95@47	CP_QPSK	22.23
n77(3450-3550)	30	70	634332	1@1	CP_QPSK	22.03
n77(3450-3550)	30	70	634332	1@187	CP_QPSK	21.97
n77(3450-3550)	30	70	634332	189@0	CP_16QAM	19.6
n77(3450-3550)	30	70	634332	95@47	CP_16QAM	20.71
n77(3450-3550)	30	70	634332	1@1	CP_16QAM	20.46
n77(3450-3550)	30	70	634332	1@187	CP_16QAM	20.43
n77(3450-3550)	30	70	634332	189@0	CP_64QAM	19.27
n77(3450-3550)	30	70	634332	95@47	CP_64QAM	19.37
n77(3450-3550)	30	70	634332	1@1	CP_64QAM	19.21
n77(3450-3550)	30	70	634332	1@187	CP_64QAM	19.15
n77(3450-3550)	30	70	634332	189@0	CP_256QAM	16.51
n77(3450-3550)	30	70	634332	95@47	CP_256QAM	16.33
n77(3450-3550)	30	70	634332	1@1	CP_256QAM	16.52
n77(3450-3550)	30	70	634332	1@187	CP_256QAM	15.89



n77(3450-3550)	30	80	632668	216@0	DFT_BPSK	22.24
n77(3450-3550)	30	80	632668	108@54	DFT_BPSK	22.25
n77(3450-3550)	30	80	632668	1@1	DFT_BPSK	22
n77(3450-3550)	30	80	632668	1@215	DFT_BPSK	21.81
n77(3450-3550)	30	80	632668	216@0	DFT_QPSK	22.24
n77(3450-3550)	30	80	632668	108@54	DFT_QPSK	22.26
n77(3450-3550)	30	80	632668	1@1	DFT_QPSK	21.97
n77(3450-3550)	30	80	632668	1@215	DFT_QPSK	21.79
n77(3450-3550)	30	80	632668	216@0	DFT_16QAM	20.72
n77(3450-3550)	30	80	632668	108@54	DFT_16QAM	21.75
n77(3450-3550)	30	80	632668	1@1	DFT_16QAM	21.38
n77(3450-3550)	30	80	632668	1@215	DFT_16QAM	21.18
n77(3450-3550)	30	80	632668	216@0	DFT_64QAM	19.67
n77(3450-3550)	30	80	632668	108@54	DFT_64QAM	19.71
n77(3450-3550)	30	80	632668	1@1	DFT_64QAM	19.37
n77(3450-3550)	30	80	632668	1@215	DFT_64QAM	19.16
n77(3450-3550)	30	80	632668	216@0	DFT_256QAM	17.7
n77(3450-3550)	30	80	632668	108@54	DFT_256QAM	17.86
n77(3450-3550)	30	80	632668	1@1	DFT_256QAM	17.52
n77(3450-3550)	30	80	632668	1@215	DFT_256QAM	17.56
n77(3450-3550)	30	80	632668	217@0	CP_QPSK	19.17
n77(3450-3550)	30	80	632668	109@54	CP_QPSK	21.72
n77(3450-3550)	30	80	632668	1@1	CP_QPSK	21.58
n77(3450-3550)	30	80	632668	1@215	CP_QPSK	21.38
n77(3450-3550)	30	80	632668	217@0	CP_16QAM	19.14
n77(3450-3550)	30	80	632668	109@54	CP_16QAM	20.17
n77(3450-3550)	30	80	632668	1@1	CP_16QAM	20.25
n77(3450-3550)	30	80	632668	1@215	CP_16QAM	20.09
n77(3450-3550)	30	80	632668	217@0	CP_64QAM	17.59
n77(3450-3550)	30	80	632668	109@54	CP_64QAM	18.84
n77(3450-3550)	30	80	632668	1@1	CP_64QAM	18.12
n77(3450-3550)	30	80	632668	1@215	CP_64QAM	18.62
n77(3450-3550)	30	80	632668	217@0	CP_256QAM	15.16
n77(3450-3550)	30	80	632668	109@54	CP_256QAM	15.86
n77(3450-3550)	30	80	632668	1@1	CP_256QAM	15.79
n77(3450-3550)	30	80	632668	1@215	CP_256QAM	15.2
n77(3450-3550)	30	80	633334	216@0	DFT_BPSK	22.28
n77(3450-3550)	30	80	633334	108@54	DFT_BPSK	22.31
n77(3450-3550)	30	80	633334	1@1	DFT_BPSK	22.01
n77(3450-3550)	30	80	633334	1@215	DFT_BPSK	21.94
n77(3450-3550)	30	80	633334	216@0	DFT_QPSK	22.27
n77(3450-3550)	30	80	633334	108@54	DFT_QPSK	22.31
n77(3450-3550)	30	80	633334	1@1	DFT_QPSK	22.01
n77(3450-3550)	30	80	633334	1@215	DFT_QPSK	21.93
n77(3450-3550)	30	80	633334	216@0	DFT_16QAM	20.76
n77(3450-3550)	30	80	633334	108@54	DFT_16QAM	21.79
n77(3450-3550)	30	80	633334	1@1	DFT_16QAM	21.41
n77(3450-3550)	30	80	633334	1@215	DFT_16QAM	21.35
n77(3450-3550)	30	80	633334	216@0	DFT_64QAM	19.73
n77(3450-3550)	30	80	633334	108@54	DFT_64QAM	19.76
n77(3450-3550)	30	80	633334	1@1	DFT_64QAM	19.4
n77(3450-3550)	30	80	633334	1@215	DFT_64QAM	19.3
n77(3450-3550)	30	80	633334	216@0	DFT_256QAM	16.99
n77(3450-3550)	30	80	633334	108@54	DFT_256QAM	17.94
n77(3450-3550)	30	80	633334	1@1	DFT_256QAM	17.77
n77(3450-3550)	30	80	633334	1@215	DFT_256QAM	17.11
n77(3450-3550)	30	80	633334	217@0	CP_QPSK	19.19



n77(3450-3550)	30	80	633334	109@54	CP_QPSK	21.81
n77(3450-3550)	30	80	633334	1@1	CP_QPSK	21.61
n77(3450-3550)	30	80	633334	1@215	CP_QPSK	21.5
n77(3450-3550)	30	80	633334	217@0	CP_16QAM	19.2
n77(3450-3550)	30	80	633334	109@54	CP_16QAM	20.29
n77(3450-3550)	30	80	633334	1@1	CP_16QAM	20.15
n77(3450-3550)	30	80	633334	1@215	CP_16QAM	20.04
n77(3450-3550)	30	80	633334	217@0	CP_64QAM	18.9
n77(3450-3550)	30	80	633334	109@54	CP_64QAM	18.9
n77(3450-3550)	30	80	633334	1@1	CP_64QAM	18.37
n77(3450-3550)	30	80	633334	1@215	CP_64QAM	18.81
n77(3450-3550)	30	80	633334	217@0	CP_256QAM	15.55
n77(3450-3550)	30	80	633334	109@54	CP_256QAM	15.92
n77(3450-3550)	30	80	633334	1@1	CP_256QAM	15.85
n77(3450-3550)	30	80	633334	1@215	CP_256QAM	15.69
n77(3450-3550)	30	80	634000	216@0	DFT_BPSK	22.35
n77(3450-3550)	30	80	634000	108@54	DFT_BPSK	22.44
n77(3450-3550)	30	80	634000	1@1	DFT_BPSK	22.05
n77(3450-3550)	30	80	634000	1@215	DFT_BPSK	22.01
n77(3450-3550)	30	80	634000	216@0	DFT_QPSK	22.31
n77(3450-3550)	30	80	634000	108@54	DFT_QPSK	22.44
n77(3450-3550)	30	80	634000	1@1	DFT_QPSK	21.98
n77(3450-3550)	30	80	634000	1@215	DFT_QPSK	21.93
n77(3450-3550)	30	80	634000	216@0	DFT_16QAM	20.82
n77(3450-3550)	30	80	634000	108@54	DFT_16QAM	21.96
n77(3450-3550)	30	80	634000	1@1	DFT_16QAM	21.71
n77(3450-3550)	30	80	634000	1@215	DFT_16QAM	21.68
n77(3450-3550)	30	80	634000	216@0	DFT_64QAM	19.78
n77(3450-3550)	30	80	634000	108@54	DFT_64QAM	19.89
n77(3450-3550)	30	80	634000	1@1	DFT_64QAM	19.33
n77(3450-3550)	30	80	634000	1@215	DFT_64QAM	19.3
n77(3450-3550)	30	80	634000	216@0	DFT_256QAM	17.97
n77(3450-3550)	30	80	634000	108@54	DFT_256QAM	17.15
n77(3450-3550)	30	80	634000	1@1	DFT_256QAM	17.81
n77(3450-3550)	30	80	634000	1@215	DFT_256QAM	17.56
n77(3450-3550)	30	80	634000	217@0	CP_QPSK	19.23
n77(3450-3550)	30	80	634000	109@54	CP_QPSK	21.91
n77(3450-3550)	30	80	634000	1@1	CP_QPSK	21.63
n77(3450-3550)	30	80	634000	1@215	CP_QPSK	21.57
n77(3450-3550)	30	80	634000	217@0	CP_16QAM	19.25
n77(3450-3550)	30	80	634000	109@54	CP_16QAM	20.39
n77(3450-3550)	30	80	634000	1@1	CP_16QAM	20.13
n77(3450-3550)	30	80	634000	1@215	CP_16QAM	20.13
n77(3450-3550)	30	80	634000	217@0	CP_64QAM	18.95
n77(3450-3550)	30	80	634000	109@54	CP_64QAM	18.37
n77(3450-3550)	30	80	634000	1@1	CP_64QAM	18.93
n77(3450-3550)	30	80	634000	1@215	CP_64QAM	18.21
n77(3450-3550)	30	80	634000	217@0	CP_256QAM	15.93
n77(3450-3550)	30	80	634000	109@54	CP_256QAM	16.03
n77(3450-3550)	30	80	634000	1@1	CP_256QAM	16.13
n77(3450-3550)	30	80	634000	1@215	CP_256QAM	15.8



n77(3450-3550)	30	90	633000	240@0	DFT_BPSK	22.29
n77(3450-3550)	30	90	633000	120@60	DFT_BPSK	22.34
n77(3450-3550)	30	90	633000	1@1	DFT_BPSK	21.91
n77(3450-3550)	30	90	633000	1@243	DFT_BPSK	21.78
n77(3450-3550)	30	90	633000	240@0	DFT_QPSK	22.27
n77(3450-3550)	30	90	633000	120@60	DFT_QPSK	22.33
n77(3450-3550)	30	90	633000	1@1	DFT_QPSK	21.94
n77(3450-3550)	30	90	633000	1@243	DFT_QPSK	21.8
n77(3450-3550)	30	90	633000	240@0	DFT_16QAM	20.74
n77(3450-3550)	30	90	633000	120@60	DFT_16QAM	21.85
n77(3450-3550)	30	90	633000	1@1	DFT_16QAM	21.34
n77(3450-3550)	30	90	633000	1@243	DFT_16QAM	21.23
n77(3450-3550)	30	90	633000	240@0	DFT_64QAM	19.76
n77(3450-3550)	30	90	633000	120@60	DFT_64QAM	19.78
n77(3450-3550)	30	90	633000	1@1	DFT_64QAM	19.3
n77(3450-3550)	30	90	633000	1@243	DFT_64QAM	19.17
n77(3450-3550)	30	90	633000	240@0	DFT_256QAM	17.95
n77(3450-3550)	30	90	633000	120@60	DFT_256QAM	17.41
n77(3450-3550)	30	90	633000	1@1	DFT_256QAM	17.72
n77(3450-3550)	30	90	633000	1@243	DFT_256QAM	17.31
n77(3450-3550)	30	90	633000	245@0	CP_QPSK	19.56
n77(3450-3550)	30	90	633000	123@61	CP_QPSK	21.83
n77(3450-3550)	30	90	633000	1@1	CP_QPSK	21.45
n77(3450-3550)	30	90	633000	1@243	CP_QPSK	21.31
n77(3450-3550)	30	90	633000	245@0	CP_16QAM	19.22
n77(3450-3550)	30	90	633000	123@61	CP_16QAM	20.3
n77(3450-3550)	30	90	633000	1@1	CP_16QAM	19.99
n77(3450-3550)	30	90	633000	1@243	CP_16QAM	19.88
n77(3450-3550)	30	90	633000	245@0	CP_64QAM	18.33
n77(3450-3550)	30	90	633000	123@61	CP_64QAM	18.96
n77(3450-3550)	30	90	633000	1@1	CP_64QAM	18.18
n77(3450-3550)	30	90	633000	1@243	CP_64QAM	18.69
n77(3450-3550)	30	90	633000	245@0	CP_256QAM	15.91
n77(3450-3550)	30	90	633000	123@61	CP_256QAM	15.92
n77(3450-3550)	30	90	633000	1@1	CP_256QAM	15.81
n77(3450-3550)	30	90	633000	1@243	CP_256QAM	15.26
n77(3450-3550)	30	90	633334	240@0	DFT_BPSK	22.35
n77(3450-3550)	30	90	633334	120@60	DFT_BPSK	22.44
n77(3450-3550)	30	90	633334	1@1	DFT_BPSK	21.92
n77(3450-3550)	30	90	633334	1@243	DFT_BPSK	21.85
n77(3450-3550)	30	90	633334	240@0	DFT_QPSK	22.34
n77(3450-3550)	30	90	633334	120@60	DFT_QPSK	22.43
n77(3450-3550)	30	90	633334	1@1	DFT_QPSK	21.96
n77(3450-3550)	30	90	633334	1@243	DFT_QPSK	21.9
n77(3450-3550)	30	90	633334	240@0	DFT_16QAM	20.82
n77(3450-3550)	30	90	633334	120@60	DFT_16QAM	21.93
n77(3450-3550)	30	90	633334	1@1	DFT_16QAM	21.36
n77(3450-3550)	30	90	633334	1@243	DFT_16QAM	21.3
n77(3450-3550)	30	90	633334	240@0	DFT_64QAM	19.81
n77(3450-3550)	30	90	633334	120@60	DFT_64QAM	19.89
n77(3450-3550)	30	90	633334	1@1	DFT_64QAM	19.32
n77(3450-3550)	30	90	633334	1@243	DFT_64QAM	19.22
n77(3450-3550)	30	90	633334	240@0	DFT_256QAM	18.01
n77(3450-3550)	30	90	633334	120@60	DFT_256QAM	17.58
n77(3450-3550)	30	90	633334	1@1	DFT_256QAM	17.76
n77(3450-3550)	30	90	633334	1@243	DFT_256QAM	17.26
n77(3450-3550)	30	90	633334	245@0	CP_QPSK	19.26



n77(3450-3550)	30	90	633334	123@61	CP_QPSK	21.85
n77(3450-3550)	30	90	633334	1@1	CP_QPSK	21.53
n77(3450-3550)	30	90	633334	1@243	CP_QPSK	21.42
n77(3450-3550)	30	90	633334	245@0	CP_16QAM	19.28
n77(3450-3550)	30	90	633334	123@61	CP_16QAM	20.37
n77(3450-3550)	30	90	633334	1@1	CP_16QAM	20.15
n77(3450-3550)	30	90	633334	1@243	CP_16QAM	20.02
n77(3450-3550)	30	90	633334	245@0	CP_64QAM	19
n77(3450-3550)	30	90	633334	123@61	CP_64QAM	19.03
n77(3450-3550)	30	90	633334	1@1	CP_64QAM	18.59
n77(3450-3550)	30	90	633334	1@243	CP_64QAM	18.64
n77(3450-3550)	30	90	633334	245@0	CP_256QAM	15.37
n77(3450-3550)	30	90	633334	123@61	CP_256QAM	15.97
n77(3450-3550)	30	90	633334	1@1	CP_256QAM	15.49
n77(3450-3550)	30	90	633334	1@243	CP_256QAM	15.67
n77(3450-3550)	30	90	633666	240@0	DFT_BPSK	22.4
n77(3450-3550)	30	90	633666	120@60	DFT_BPSK	22.5
n77(3450-3550)	30	90	633666	1@1	DFT_BPSK	22.05
n77(3450-3550)	30	90	633666	1@243	DFT_BPSK	21.9
n77(3450-3550)	30	90	633666	240@0	DFT_QPSK	22.4
n77(3450-3550)	30	90	633666	120@60	DFT_QPSK	22.49
n77(3450-3550)	30	90	633666	1@1	DFT_QPSK	22.09
n77(3450-3550)	30	90	633666	1@243	DFT_QPSK	21.95
n77(3450-3550)	30	90	633666	240@0	DFT_16QAM	20.88
n77(3450-3550)	30	90	633666	120@60	DFT_16QAM	21.96
n77(3450-3550)	30	90	633666	1@1	DFT_16QAM	21.48
n77(3450-3550)	30	90	633666	1@243	DFT_16QAM	21.35
n77(3450-3550)	30	90	633666	240@0	DFT_64QAM	19.88
n77(3450-3550)	30	90	633666	120@60	DFT_64QAM	19.92
n77(3450-3550)	30	90	633666	1@1	DFT_64QAM	19.41
n77(3450-3550)	30	90	633666	1@243	DFT_64QAM	19.28
n77(3450-3550)	30	90	633666	240@0	DFT_256QAM	18.39
n77(3450-3550)	30	90	633666	120@60	DFT_256QAM	18.11
n77(3450-3550)	30	90	633666	1@1	DFT_256QAM	18.24
n77(3450-3550)	30	90	633666	1@243	DFT_256QAM	17.74
n77(3450-3550)	30	90	633666	245@0	CP_QPSK	19.33
n77(3450-3550)	30	90	633666	123@61	CP_QPSK	21.96
n77(3450-3550)	30	90	633666	1@1	CP_QPSK	21.56
n77(3450-3550)	30	90	633666	1@243	CP_QPSK	21.52
n77(3450-3550)	30	90	633666	245@0	CP_16QAM	19.33
n77(3450-3550)	30	90	633666	123@61	CP_16QAM	20.46
n77(3450-3550)	30	90	633666	1@1	CP_16QAM	20.14
n77(3450-3550)	30	90	633666	1@243	CP_16QAM	20.1
n77(3450-3550)	30	90	633666	245@0	CP_64QAM	19.04
n77(3450-3550)	30	90	633666	123@61	CP_64QAM	19.11
n77(3450-3550)	30	90	633666	1@1	CP_64QAM	19.4
n77(3450-3550)	30	90	633666	1@243	CP_64QAM	18.91
n77(3450-3550)	30	90	633666	245@0	CP_256QAM	16.37
n77(3450-3550)	30	90	633666	123@61	CP_256QAM	16.08
n77(3450-3550)	30	90	633666	1@1	CP_256QAM	16.27
n77(3450-3550)	30	90	633666	1@243	CP_256QAM	15.84



n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	23.4
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	23.47
n77(3450-3550)	30	100	633334	1@1	DFT_BPSK	22.9
n77(3450-3550)	30	100	633334	1@271	DFT_BPSK	22.71
n77(3450-3550)	30	100	633334	270@0	DFT_QPSK	23.39
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	23.47
n77(3450-3550)	30	100	633334	1@1	DFT_QPSK	22.93
n77(3450-3550)	30	100	633334	1@271	DFT_QPSK	22.77
n77(3450-3550)	30	100	633334	270@0	DFT_16QAM	21.84
n77(3450-3550)	30	100	633334	135@67	DFT_16QAM	22.97
n77(3450-3550)	30	100	633334	1@1	DFT_16QAM	22.37
n77(3450-3550)	30	100	633334	1@271	DFT_16QAM	22.16
n77(3450-3550)	30	100	633334	270@0	DFT_64QAM	20.8
n77(3450-3550)	30	100	633334	135@67	DFT_64QAM	20.92
n77(3450-3550)	30	100	633334	1@1	DFT_64QAM	20.23
n77(3450-3550)	30	100	633334	1@271	DFT_64QAM	20.06
n77(3450-3550)	30	100	633334	270@0	DFT_256QAM	19.03
n77(3450-3550)	30	100	633334	135@67	DFT_256QAM	18.56
n77(3450-3550)	30	100	633334	1@1	DFT_256QAM	18.74
n77(3450-3550)	30	100	633334	1@271	DFT_256QAM	18.1
n77(3450-3550)	30	100	633334	273@0	CP_QPSK	20.28
n77(3450-3550)	30	100	633334	137@68	CP_QPSK	22.94
n77(3450-3550)	30	100	633334	1@1	CP_QPSK	22.41
n77(3450-3550)	30	100	633334	1@271	CP_QPSK	22.24
n77(3450-3550)	30	100	633334	273@0	CP_16QAM	20.29
n77(3450-3550)	30	100	633334	137@68	CP_16QAM	21.41
n77(3450-3550)	30	100	633334	1@1	CP_16QAM	20.93
n77(3450-3550)	30	100	633334	1@271	CP_16QAM	20.8
n77(3450-3550)	30	100	633334	273@0	CP_64QAM	20.02
n77(3450-3550)	30	100	633334	137@68	CP_64QAM	20.07
n77(3450-3550)	30	100	633334	1@1	CP_64QAM	19.9
n77(3450-3550)	30	100	633334	1@271	CP_64QAM	19.5
n77(3450-3550)	30	100	633334	273@0	CP_256QAM	16.95
n77(3450-3550)	30	100	633334	137@68	CP_256QAM	16.52
n77(3450-3550)	30	100	633334	1@1	CP_256QAM	16.74
n77(3450-3550)	30	100	633334	1@271	CP_256QAM	16.63



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)
n77(3700-3980)	30	10	647000	24@0	DFT_BPSK	22.15
n77(3700-3980)	30	10	647000	12@6	DFT_BPSK	22.19
n77(3700-3980)	30	10	647000	1@1	DFT_BPSK	22.11
n77(3700-3980)	30	10	647000	1@22	DFT_BPSK	22.11
n77(3700-3980)	30	10	647000	24@0	DFT_QPSK	22.17
n77(3700-3980)	30	10	647000	12@6	DFT_QPSK	22.17
n77(3700-3980)	30	10	647000	1@1	DFT_QPSK	22.12
n77(3700-3980)	30	10	647000	1@22	DFT_QPSK	22.09
n77(3700-3980)	30	10	647000	24@0	DFT_16QAM	20.62
n77(3700-3980)	30	10	647000	12@6	DFT_16QAM	21.69
n77(3700-3980)	30	10	647000	1@1	DFT_16QAM	21.53
n77(3700-3980)	30	10	647000	1@22	DFT_16QAM	21.54
n77(3700-3980)	30	10	647000	24@0	DFT_64QAM	19.56
n77(3700-3980)	30	10	647000	12@6	DFT_64QAM	19.63
n77(3700-3980)	30	10	647000	1@1	DFT_64QAM	19.44
n77(3700-3980)	30	10	647000	1@22	DFT_64QAM	19.46
n77(3700-3980)	30	10	647000	24@0	DFT_256QAM	17.23
n77(3700-3980)	30	10	647000	12@6	DFT_256QAM	17.74
n77(3700-3980)	30	10	647000	1@1	DFT_256QAM	17.78
n77(3700-3980)	30	10	647000	1@22	DFT_256QAM	17.76
n77(3700-3980)	30	10	647000	24@0	CP_QPSK	19.1
n77(3700-3980)	30	10	647000	12@6	CP_QPSK	21.66
n77(3700-3980)	30	10	647000	1@1	CP_QPSK	21.64
n77(3700-3980)	30	10	647000	1@22	CP_QPSK	21.64
n77(3700-3980)	30	10	647000	24@0	CP_16QAM	19.12
n77(3700-3980)	30	10	647000	12@6	CP_16QAM	20.23
n77(3700-3980)	30	10	647000	1@1	CP_16QAM	20.23
n77(3700-3980)	30	10	647000	1@22	CP_16QAM	20.24
n77(3700-3980)	30	10	647000	24@0	CP_64QAM	18.59
n77(3700-3980)	30	10	647000	12@6	CP_64QAM	18.46
n77(3700-3980)	30	10	647000	1@1	CP_64QAM	18.61
n77(3700-3980)	30	10	647000	1@22	CP_64QAM	18.2
n77(3700-3980)	30	10	647000	24@0	CP_256QAM	15.78
n77(3700-3980)	30	10	647000	12@6	CP_256QAM	15.8
n77(3700-3980)	30	10	647000	1@1	CP_256QAM	15.68
n77(3700-3980)	30	10	647000	1@22	CP_256QAM	15.65
n77(3700-3980)	30	10	656000	24@0	DFT_BPSK	22.33
n77(3700-3980)	30	10	656000	12@6	DFT_BPSK	22.36
n77(3700-3980)	30	10	656000	1@1	DFT_BPSK	22.22
n77(3700-3980)	30	10	656000	1@22	DFT_BPSK	22.38
n77(3700-3980)	30	10	656000	24@0	DFT_QPSK	22.34
n77(3700-3980)	30	10	656000	12@6	DFT_QPSK	22.37
n77(3700-3980)	30	10	656000	1@1	DFT_QPSK	22.17
n77(3700-3980)	30	10	656000	1@22	DFT_QPSK	22.32
n77(3700-3980)	30	10	656000	24@0	DFT_16QAM	20.81
n77(3700-3980)	30	10	656000	12@6	DFT_16QAM	21.86
n77(3700-3980)	30	10	656000	1@1	DFT_16QAM	21.88
n77(3700-3980)	30	10	656000	1@22	DFT_16QAM	22
n77(3700-3980)	30	10	656000	24@0	DFT_64QAM	19.78
n77(3700-3980)	30	10	656000	12@6	DFT_64QAM	19.82
n77(3700-3980)	30	10	656000	1@1	DFT_64QAM	19.57
n77(3700-3980)	30	10	656000	1@22	DFT_64QAM	19.7
n77(3700-3980)	30	10	656000	24@0	DFT_256QAM	17.49
n77(3700-3980)	30	10	656000	12@6	DFT_256QAM	17.71
n77(3700-3980)	30	10	656000	1@1	DFT_256QAM	17.73



n77(3700-3980)	30	10	656000	1@22	DFT_256QAM	17.88
n77(3700-3980)	30	10	656000	24@0	CP_QPSK	19.25
n77(3700-3980)	30	10	656000	12@6	CP_QPSK	21.82
n77(3700-3980)	30	10	656000	1@1	CP_QPSK	21.72
n77(3700-3980)	30	10	656000	1@22	CP_QPSK	21.86
n77(3700-3980)	30	10	656000	24@0	CP_16QAM	19.27
n77(3700-3980)	30	10	656000	12@6	CP_16QAM	20.41
n77(3700-3980)	30	10	656000	1@1	CP_16QAM	20.26
n77(3700-3980)	30	10	656000	1@22	CP_16QAM	20.41
n77(3700-3980)	30	10	656000	24@0	CP_64QAM	18.81
n77(3700-3980)	30	10	656000	12@6	CP_64QAM	18.88
n77(3700-3980)	30	10	656000	1@1	CP_64QAM	18.87
n77(3700-3980)	30	10	656000	1@22	CP_64QAM	19.02
n77(3700-3980)	30	10	656000	24@0	CP_256QAM	15.92
n77(3700-3980)	30	10	656000	12@6	CP_256QAM	15.92
n77(3700-3980)	30	10	656000	1@1	CP_256QAM	15.94
n77(3700-3980)	30	10	656000	1@22	CP_256QAM	16.06
n77(3700-3980)	30	10	665000	24@0	DFT_BPSK	22.56
n77(3700-3980)	30	10	665000	12@6	DFT_BPSK	22.61
n77(3700-3980)	30	10	665000	1@1	DFT_BPSK	22.4
n77(3700-3980)	30	10	665000	1@22	DFT_BPSK	22.65
n77(3700-3980)	30	10	665000	24@0	DFT_QPSK	22.6
n77(3700-3980)	30	10	665000	12@6	DFT_QPSK	22.59
n77(3700-3980)	30	10	665000	1@1	DFT_QPSK	22.4
n77(3700-3980)	30	10	665000	1@22	DFT_QPSK	22.63
n77(3700-3980)	30	10	665000	24@0	DFT_16QAM	21.09
n77(3700-3980)	30	10	665000	12@6	DFT_16QAM	22.11
n77(3700-3980)	30	10	665000	1@1	DFT_16QAM	21.96
n77(3700-3980)	30	10	665000	1@22	DFT_16QAM	22.19
n77(3700-3980)	30	10	665000	24@0	DFT_64QAM	20.01
n77(3700-3980)	30	10	665000	12@6	DFT_64QAM	20.06
n77(3700-3980)	30	10	665000	1@1	DFT_64QAM	19.71
n77(3700-3980)	30	10	665000	1@22	DFT_64QAM	19.94
n77(3700-3980)	30	10	665000	24@0	DFT_256QAM	17.56
n77(3700-3980)	30	10	665000	12@6	DFT_256QAM	17.99
n77(3700-3980)	30	10	665000	1@1	DFT_256QAM	17.66
n77(3700-3980)	30	10	665000	1@22	DFT_256QAM	18.19
n77(3700-3980)	30	10	665000	24@0	CP_QPSK	19.56
n77(3700-3980)	30	10	665000	12@6	CP_QPSK	22.04
n77(3700-3980)	30	10	665000	1@1	CP_QPSK	21.82
n77(3700-3980)	30	10	665000	1@22	CP_QPSK	22.02
n77(3700-3980)	30	10	665000	24@0	CP_16QAM	19.51
n77(3700-3980)	30	10	665000	12@6	CP_16QAM	20.63
n77(3700-3980)	30	10	665000	1@1	CP_16QAM	20.47
n77(3700-3980)	30	10	665000	1@22	CP_16QAM	20.65
n77(3700-3980)	30	10	665000	24@0	CP_64QAM	19.07
n77(3700-3980)	30	10	665000	12@6	CP_64QAM	19.15
n77(3700-3980)	30	10	665000	1@1	CP_64QAM	19.03
n77(3700-3980)	30	10	665000	1@22	CP_64QAM	19.25
n77(3700-3980)	30	10	665000	24@0	CP_256QAM	16.2
n77(3700-3980)	30	10	665000	12@6	CP_256QAM	16.19
n77(3700-3980)	30	10	665000	1@1	CP_256QAM	16.09
n77(3700-3980)	30	10	665000	1@22	CP_256QAM	16.34



n77(3700-3980)	30	15	647168	36@0	DFT_BPSK	22.22
n77(3700-3980)	30	15	647168	18@9	DFT_BPSK	22.26
n77(3700-3980)	30	15	647168	1@1	DFT_BPSK	22.13
n77(3700-3980)	30	15	647168	1@36	DFT_BPSK	22.1
n77(3700-3980)	30	15	647168	36@0	DFT_QPSK	22.23
n77(3700-3980)	30	15	647168	18@9	DFT_QPSK	22.27
n77(3700-3980)	30	15	647168	1@1	DFT_QPSK	22.13
n77(3700-3980)	30	15	647168	1@36	DFT_QPSK	22.1
n77(3700-3980)	30	15	647168	36@0	DFT_16QAM	20.69
n77(3700-3980)	30	15	647168	18@9	DFT_16QAM	21.7
n77(3700-3980)	30	15	647168	1@1	DFT_16QAM	21.59
n77(3700-3980)	30	15	647168	1@36	DFT_16QAM	21.61
n77(3700-3980)	30	15	647168	36@0	DFT_64QAM	19.68
n77(3700-3980)	30	15	647168	18@9	DFT_64QAM	19.71
n77(3700-3980)	30	15	647168	1@1	DFT_64QAM	19.38
n77(3700-3980)	30	15	647168	1@36	DFT_64QAM	19.37
n77(3700-3980)	30	15	647168	36@0	DFT_256QAM	17.77
n77(3700-3980)	30	15	647168	18@9	DFT_256QAM	17.79
n77(3700-3980)	30	15	647168	1@1	DFT_256QAM	17.76
n77(3700-3980)	30	15	647168	1@36	DFT_256QAM	17.73
n77(3700-3980)	30	15	647168	38@0	CP_QPSK	19.18
n77(3700-3980)	30	15	647168	19@9	CP_QPSK	21.71
n77(3700-3980)	30	15	647168	1@1	CP_QPSK	21.59
n77(3700-3980)	30	15	647168	1@36	CP_QPSK	21.57
n77(3700-3980)	30	15	647168	38@0	CP_16QAM	19.14
n77(3700-3980)	30	15	647168	19@9	CP_16QAM	20.23
n77(3700-3980)	30	15	647168	1@1	CP_16QAM	20.19
n77(3700-3980)	30	15	647168	1@36	CP_16QAM	20.16
n77(3700-3980)	30	15	647168	38@0	CP_64QAM	18.71
n77(3700-3980)	30	15	647168	19@9	CP_64QAM	18.66
n77(3700-3980)	30	15	647168	1@1	CP_64QAM	18.68
n77(3700-3980)	30	15	647168	1@36	CP_64QAM	18.64
n77(3700-3980)	30	15	647168	38@0	CP_256QAM	15.79
n77(3700-3980)	30	15	647168	19@9	CP_256QAM	15.78
n77(3700-3980)	30	15	647168	1@1	CP_256QAM	15.81
n77(3700-3980)	30	15	647168	1@36	CP_256QAM	15.6
n77(3700-3980)	30	15	656000	36@0	DFT_BPSK	22.4
n77(3700-3980)	30	15	656000	18@9	DFT_BPSK	22.42
n77(3700-3980)	30	15	656000	1@1	DFT_BPSK	22.2
n77(3700-3980)	30	15	656000	1@36	DFT_BPSK	22.43
n77(3700-3980)	30	15	656000	36@0	DFT_QPSK	22.36
n77(3700-3980)	30	15	656000	18@9	DFT_QPSK	22.41
n77(3700-3980)	30	15	656000	1@1	DFT_QPSK	22.14
n77(3700-3980)	30	15	656000	1@36	DFT_QPSK	22.34
n77(3700-3980)	30	15	656000	36@0	DFT_16QAM	20.85
n77(3700-3980)	30	15	656000	18@9	DFT_16QAM	21.86
n77(3700-3980)	30	15	656000	1@1	DFT_16QAM	21.85
n77(3700-3980)	30	15	656000	1@36	DFT_16QAM	22.07
n77(3700-3980)	30	15	656000	36@0	DFT_64QAM	19.87
n77(3700-3980)	30	15	656000	18@9	DFT_64QAM	19.85
n77(3700-3980)	30	15	656000	1@1	DFT_64QAM	19.48
n77(3700-3980)	30	15	656000	1@36	DFT_64QAM	19.67
n77(3700-3980)	30	15	656000	36@0	DFT_256QAM	17.85
n77(3700-3980)	30	15	656000	18@9	DFT_256QAM	17.41
n77(3700-3980)	30	15	656000	1@1	DFT_256QAM	17.84
n77(3700-3980)	30	15	656000	1@36	DFT_256QAM	17.7
n77(3700-3980)	30	15	656000	38@0	CP_QPSK	19.32



n77(3700-3980)	30	15	656000	19@9	CP_QPSK	21.81
n77(3700-3980)	30	15	656000	1@1	CP_QPSK	21.76
n77(3700-3980)	30	15	656000	1@36	CP_QPSK	21.93
n77(3700-3980)	30	15	656000	38@0	CP_16QAM	19.35
n77(3700-3980)	30	15	656000	19@9	CP_16QAM	20.34
n77(3700-3980)	30	15	656000	1@1	CP_16QAM	20.22
n77(3700-3980)	30	15	656000	1@36	CP_16QAM	20.41
n77(3700-3980)	30	15	656000	38@0	CP_64QAM	18.86
n77(3700-3980)	30	15	656000	19@9	CP_64QAM	18.83
n77(3700-3980)	30	15	656000	1@1	CP_64QAM	18.79
n77(3700-3980)	30	15	656000	1@36	CP_64QAM	18.98
n77(3700-3980)	30	15	656000	38@0	CP_256QAM	15.96
n77(3700-3980)	30	15	656000	19@9	CP_256QAM	15.93
n77(3700-3980)	30	15	656000	1@1	CP_256QAM	15.91
n77(3700-3980)	30	15	656000	1@36	CP_256QAM	16.13
n77(3700-3980)	30	15	664832	36@0	DFT_BPSK	22.55
n77(3700-3980)	30	15	664832	18@9	DFT_BPSK	22.55
n77(3700-3980)	30	15	664832	1@1	DFT_BPSK	22.3
n77(3700-3980)	30	15	664832	1@36	DFT_BPSK	22.63
n77(3700-3980)	30	15	664832	36@0	DFT_QPSK	22.53
n77(3700-3980)	30	15	664832	18@9	DFT_QPSK	22.54
n77(3700-3980)	30	15	664832	1@1	DFT_QPSK	22.27
n77(3700-3980)	30	15	664832	1@36	DFT_QPSK	22.6
n77(3700-3980)	30	15	664832	36@0	DFT_16QAM	21.08
n77(3700-3980)	30	15	664832	18@9	DFT_16QAM	22
n77(3700-3980)	30	15	664832	1@1	DFT_16QAM	21.73
n77(3700-3980)	30	15	664832	1@36	DFT_16QAM	22.08
n77(3700-3980)	30	15	664832	36@0	DFT_64QAM	20.02
n77(3700-3980)	30	15	664832	18@9	DFT_64QAM	20.04
n77(3700-3980)	30	15	664832	1@1	DFT_64QAM	19.58
n77(3700-3980)	30	15	664832	1@36	DFT_64QAM	19.92
n77(3700-3980)	30	15	664832	36@0	DFT_256QAM	17.97
n77(3700-3980)	30	15	664832	18@9	DFT_256QAM	17.93
n77(3700-3980)	30	15	664832	1@1	DFT_256QAM	17.78
n77(3700-3980)	30	15	664832	1@36	DFT_256QAM	18.13
n77(3700-3980)	30	15	664832	38@0	CP_QPSK	19.53
n77(3700-3980)	30	15	664832	19@9	CP_QPSK	22.04
n77(3700-3980)	30	15	664832	1@1	CP_QPSK	21.71
n77(3700-3980)	30	15	664832	1@36	CP_QPSK	22
n77(3700-3980)	30	15	664832	38@0	CP_16QAM	19.46
n77(3700-3980)	30	15	664832	19@9	CP_16QAM	20.5
n77(3700-3980)	30	15	664832	1@1	CP_16QAM	20.34
n77(3700-3980)	30	15	664832	1@36	CP_16QAM	20.67
n77(3700-3980)	30	15	664832	38@0	CP_64QAM	19.07
n77(3700-3980)	30	15	664832	19@9	CP_64QAM	19
n77(3700-3980)	30	15	664832	1@1	CP_64QAM	18.86
n77(3700-3980)	30	15	664832	1@36	CP_64QAM	19.19
n77(3700-3980)	30	15	664832	38@0	CP_256QAM	16.14
n77(3700-3980)	30	15	664832	19@9	CP_256QAM	16.11
n77(3700-3980)	30	15	664832	1@1	CP_256QAM	16
n77(3700-3980)	30	15	664832	1@36	CP_256QAM	16.32



n77(3700-3980)	30	20	647334	50@0	DFT_BPSK	22.19
n77(3700-3980)	30	20	647334	25@12	DFT_BPSK	22.22
n77(3700-3980)	30	20	647334	1@1	DFT_BPSK	22.07
n77(3700-3980)	30	20	647334	1@49	DFT_BPSK	22.03
n77(3700-3980)	30	20	647334	50@0	DFT_QPSK	22.21
n77(3700-3980)	30	20	647334	25@12	DFT_QPSK	22.21
n77(3700-3980)	30	20	647334	1@1	DFT_QPSK	22.1
n77(3700-3980)	30	20	647334	1@49	DFT_QPSK	22.03
n77(3700-3980)	30	20	647334	50@0	DFT_16QAM	20.65
n77(3700-3980)	30	20	647334	25@12	DFT_16QAM	21.67
n77(3700-3980)	30	20	647334	1@1	DFT_16QAM	21.58
n77(3700-3980)	30	20	647334	1@49	DFT_16QAM	21.52
n77(3700-3980)	30	20	647334	50@0	DFT_64QAM	19.65
n77(3700-3980)	30	20	647334	25@12	DFT_64QAM	19.69
n77(3700-3980)	30	20	647334	1@1	DFT_64QAM	19.35
n77(3700-3980)	30	20	647334	1@49	DFT_64QAM	19.28
n77(3700-3980)	30	20	647334	50@0	DFT_256QAM	17.78
n77(3700-3980)	30	20	647334	25@12	DFT_256QAM	17.85
n77(3700-3980)	30	20	647334	1@1	DFT_256QAM	17.72
n77(3700-3980)	30	20	647334	1@49	DFT_256QAM	17.65
n77(3700-3980)	30	20	647334	51@0	CP_QPSK	19.11
n77(3700-3980)	30	20	647334	25@12	CP_QPSK	21.67
n77(3700-3980)	30	20	647334	1@1	CP_QPSK	21.6
n77(3700-3980)	30	20	647334	1@49	CP_QPSK	21.54
n77(3700-3980)	30	20	647334	51@0	CP_16QAM	19.09
n77(3700-3980)	30	20	647334	25@12	CP_16QAM	20.22
n77(3700-3980)	30	20	647334	1@1	CP_16QAM	20.09
n77(3700-3980)	30	20	647334	1@49	CP_16QAM	20.01
n77(3700-3980)	30	20	647334	51@0	CP_64QAM	18.58
n77(3700-3980)	30	20	647334	25@12	CP_64QAM	18.68
n77(3700-3980)	30	20	647334	1@1	CP_64QAM	18.66
n77(3700-3980)	30	20	647334	1@49	CP_64QAM	18.59
n77(3700-3980)	30	20	647334	51@0	CP_256QAM	15.78
n77(3700-3980)	30	20	647334	25@12	CP_256QAM	15.82
n77(3700-3980)	30	20	647334	1@1	CP_256QAM	15.79
n77(3700-3980)	30	20	647334	1@49	CP_256QAM	15.7
n77(3700-3980)	30	20	656000	50@0	DFT_BPSK	22.43
n77(3700-3980)	30	20	656000	25@12	DFT_BPSK	22.41
n77(3700-3980)	30	20	656000	1@1	DFT_BPSK	22.17
n77(3700-3980)	30	20	656000	1@49	DFT_BPSK	22.43
n77(3700-3980)	30	20	656000	50@0	DFT_QPSK	22.39
n77(3700-3980)	30	20	656000	25@12	DFT_QPSK	22.39
n77(3700-3980)	30	20	656000	1@1	DFT_QPSK	22.17
n77(3700-3980)	30	20	656000	1@49	DFT_QPSK	22.42
n77(3700-3980)	30	20	656000	50@0	DFT_16QAM	20.84
n77(3700-3980)	30	20	656000	25@12	DFT_16QAM	21.89
n77(3700-3980)	30	20	656000	1@1	DFT_16QAM	21.67
n77(3700-3980)	30	20	656000	1@49	DFT_16QAM	21.95
n77(3700-3980)	30	20	656000	50@0	DFT_64QAM	19.87
n77(3700-3980)	30	20	656000	25@12	DFT_64QAM	19.91
n77(3700-3980)	30	20	656000	1@1	DFT_64QAM	19.47
n77(3700-3980)	30	20	656000	1@49	DFT_64QAM	19.74
n77(3700-3980)	30	20	656000	50@0	DFT_256QAM	17.83
n77(3700-3980)	30	20	656000	25@12	DFT_256QAM	17.88
n77(3700-3980)	30	20	656000	1@1	DFT_256QAM	17.77
n77(3700-3980)	30	20	656000	1@49	DFT_256QAM	17.92
n77(3700-3980)	30	20	656000	51@0	CP_QPSK	19.32



n77(3700-3980)	30	20	656000	25@12	CP_QPSK	21.91
n77(3700-3980)	30	20	656000	1@1	CP_QPSK	21.67
n77(3700-3980)	30	20	656000	1@49	CP_QPSK	21.86
n77(3700-3980)	30	20	656000	51@0	CP_16QAM	19.33
n77(3700-3980)	30	20	656000	25@12	CP_16QAM	20.35
n77(3700-3980)	30	20	656000	1@1	CP_16QAM	20.25
n77(3700-3980)	30	20	656000	1@49	CP_16QAM	20.48
n77(3700-3980)	30	20	656000	51@0	CP_64QAM	18.83
n77(3700-3980)	30	20	656000	25@12	CP_64QAM	18.91
n77(3700-3980)	30	20	656000	1@1	CP_64QAM	18.62
n77(3700-3980)	30	20	656000	1@49	CP_64QAM	18.85
n77(3700-3980)	30	20	656000	51@0	CP_256QAM	15.99
n77(3700-3980)	30	20	656000	25@12	CP_256QAM	15.98
n77(3700-3980)	30	20	656000	1@1	CP_256QAM	15.71
n77(3700-3980)	30	20	656000	1@49	CP_256QAM	16.03
n77(3700-3980)	30	20	664666	50@0	DFT_BPSK	22.49
n77(3700-3980)	30	20	664666	25@12	DFT_BPSK	22.53
n77(3700-3980)	30	20	664666	1@1	DFT_BPSK	22.18
n77(3700-3980)	30	20	664666	1@49	DFT_BPSK	22.59
n77(3700-3980)	30	20	664666	50@0	DFT_QPSK	22.51
n77(3700-3980)	30	20	664666	25@12	DFT_QPSK	22.5
n77(3700-3980)	30	20	664666	1@1	DFT_QPSK	22.2
n77(3700-3980)	30	20	664666	1@49	DFT_QPSK	22.57
n77(3700-3980)	30	20	664666	50@0	DFT_16QAM	20.96
n77(3700-3980)	30	20	664666	25@12	DFT_16QAM	22
n77(3700-3980)	30	20	664666	1@1	DFT_16QAM	21.66
n77(3700-3980)	30	20	664666	1@49	DFT_16QAM	22.08
n77(3700-3980)	30	20	664666	50@0	DFT_64QAM	19.99
n77(3700-3980)	30	20	664666	25@12	DFT_64QAM	20.05
n77(3700-3980)	30	20	664666	1@1	DFT_64QAM	19.52
n77(3700-3980)	30	20	664666	1@49	DFT_64QAM	19.9
n77(3700-3980)	30	20	664666	50@0	DFT_256QAM	17.93
n77(3700-3980)	30	20	664666	25@12	DFT_256QAM	18
n77(3700-3980)	30	20	664666	1@1	DFT_256QAM	17.68
n77(3700-3980)	30	20	664666	1@49	DFT_256QAM	18.1
n77(3700-3980)	30	20	664666	51@0	CP_QPSK	19.42
n77(3700-3980)	30	20	664666	25@12	CP_QPSK	22
n77(3700-3980)	30	20	664666	1@1	CP_QPSK	21.58
n77(3700-3980)	30	20	664666	1@49	CP_QPSK	21.97
n77(3700-3980)	30	20	664666	51@0	CP_16QAM	19.45
n77(3700-3980)	30	20	664666	25@12	CP_16QAM	20.51
n77(3700-3980)	30	20	664666	1@1	CP_16QAM	20.26
n77(3700-3980)	30	20	664666	1@49	CP_16QAM	20.68
n77(3700-3980)	30	20	664666	51@0	CP_64QAM	18.91
n77(3700-3980)	30	20	664666	25@12	CP_64QAM	19.01
n77(3700-3980)	30	20	664666	1@1	CP_64QAM	18.76
n77(3700-3980)	30	20	664666	1@49	CP_64QAM	19.19
n77(3700-3980)	30	20	664666	51@0	CP_256QAM	16.08
n77(3700-3980)	30	20	664666	25@12	CP_256QAM	16.12
n77(3700-3980)	30	20	664666	1@1	CP_256QAM	15.9
n77(3700-3980)	30	20	664666	1@49	CP_256QAM	16.27



n77(3700-3980)	30	40	648000	100@0	DFT_BPSK	22.11
n77(3700-3980)	30	40	648000	50@25	DFT_BPSK	22.25
n77(3700-3980)	30	40	648000	1@1	DFT_BPSK	21.78
n77(3700-3980)	30	40	648000	1@104	DFT_BPSK	21.81
n77(3700-3980)	30	40	648000	100@0	DFT_QPSK	22.11
n77(3700-3980)	30	40	648000	50@25	DFT_QPSK	22.24
n77(3700-3980)	30	40	648000	1@1	DFT_QPSK	21.8
n77(3700-3980)	30	40	648000	1@104	DFT_QPSK	21.79
n77(3700-3980)	30	40	648000	100@0	DFT_16QAM	20.56
n77(3700-3980)	30	40	648000	50@25	DFT_16QAM	21.69
n77(3700-3980)	30	40	648000	1@1	DFT_16QAM	21.29
n77(3700-3980)	30	40	648000	1@104	DFT_16QAM	21.28
n77(3700-3980)	30	40	648000	100@0	DFT_64QAM	19.56
n77(3700-3980)	30	40	648000	50@25	DFT_64QAM	19.71
n77(3700-3980)	30	40	648000	1@1	DFT_64QAM	19.1
n77(3700-3980)	30	40	648000	1@104	DFT_64QAM	19.09
n77(3700-3980)	30	40	648000	100@0	DFT_256QAM	17.73
n77(3700-3980)	30	40	648000	50@25	DFT_256QAM	17.84
n77(3700-3980)	30	40	648000	1@1	DFT_256QAM	17.39
n77(3700-3980)	30	40	648000	1@104	DFT_256QAM	17.42
n77(3700-3980)	30	40	648000	106@0	CP_QPSK	19.03
n77(3700-3980)	30	40	648000	53@26	CP_QPSK	21.7
n77(3700-3980)	30	40	648000	1@1	CP_QPSK	21.33
n77(3700-3980)	30	40	648000	1@104	CP_QPSK	21.3
n77(3700-3980)	30	40	648000	106@0	CP_16QAM	19.05
n77(3700-3980)	30	40	648000	53@26	CP_16QAM	20.18
n77(3700-3980)	30	40	648000	1@1	CP_16QAM	19.87
n77(3700-3980)	30	40	648000	1@104	CP_16QAM	19.88
n77(3700-3980)	30	40	648000	106@0	CP_64QAM	18.54
n77(3700-3980)	30	40	648000	53@26	CP_64QAM	18.7
n77(3700-3980)	30	40	648000	1@1	CP_64QAM	18.53
n77(3700-3980)	30	40	648000	1@104	CP_64QAM	18.42
n77(3700-3980)	30	40	648000	106@0	CP_256QAM	15.36
n77(3700-3980)	30	40	648000	53@26	CP_256QAM	15.77
n77(3700-3980)	30	40	648000	1@1	CP_256QAM	15.55
n77(3700-3980)	30	40	648000	1@104	CP_256QAM	15.45
n77(3700-3980)	30	40	656000	100@0	DFT_BPSK	22.3
n77(3700-3980)	30	40	656000	50@25	DFT_BPSK	22.38
n77(3700-3980)	30	40	656000	1@1	DFT_BPSK	21.7
n77(3700-3980)	30	40	656000	1@104	DFT_BPSK	22.17
n77(3700-3980)	30	40	656000	100@0	DFT_QPSK	22.28
n77(3700-3980)	30	40	656000	50@25	DFT_QPSK	22.39
n77(3700-3980)	30	40	656000	1@1	DFT_QPSK	21.69
n77(3700-3980)	30	40	656000	1@104	DFT_QPSK	22.14
n77(3700-3980)	30	40	656000	100@0	DFT_16QAM	20.74
n77(3700-3980)	30	40	656000	50@25	DFT_16QAM	21.87
n77(3700-3980)	30	40	656000	1@1	DFT_16QAM	21.19
n77(3700-3980)	30	40	656000	1@104	DFT_16QAM	21.66
n77(3700-3980)	30	40	656000	100@0	DFT_64QAM	19.74
n77(3700-3980)	30	40	656000	50@25	DFT_64QAM	19.89
n77(3700-3980)	30	40	656000	1@1	DFT_64QAM	19.06
n77(3700-3980)	30	40	656000	1@104	DFT_64QAM	19.56
n77(3700-3980)	30	40	656000	100@0	DFT_256QAM	17.9
n77(3700-3980)	30	40	656000	50@25	DFT_256QAM	18
n77(3700-3980)	30	40	656000	1@1	DFT_256QAM	17.31
n77(3700-3980)	30	40	656000	1@104	DFT_256QAM	17.72
n77(3700-3980)	30	40	656000	106@0	CP_QPSK	19.23



n77(3700-3980)	30	40	656000	53@26	CP_QPSK	21.88
n77(3700-3980)	30	40	656000	1@1	CP_QPSK	21.21
n77(3700-3980)	30	40	656000	1@104	CP_QPSK	21.66
n77(3700-3980)	30	40	656000	106@0	CP_16QAM	19.23
n77(3700-3980)	30	40	656000	53@26	CP_16QAM	20.34
n77(3700-3980)	30	40	656000	1@1	CP_16QAM	19.78
n77(3700-3980)	30	40	656000	1@104	CP_16QAM	20.28
n77(3700-3980)	30	40	656000	106@0	CP_64QAM	18.72
n77(3700-3980)	30	40	656000	53@26	CP_64QAM	18.87
n77(3700-3980)	30	40	656000	1@1	CP_64QAM	18.31
n77(3700-3980)	30	40	656000	1@104	CP_64QAM	18.87
n77(3700-3980)	30	40	656000	106@0	CP_256QAM	15.87
n77(3700-3980)	30	40	656000	53@26	CP_256QAM	15.97
n77(3700-3980)	30	40	656000	1@1	CP_256QAM	15.39
n77(3700-3980)	30	40	656000	1@104	CP_256QAM	15.87
n77(3700-3980)	30	40	664000	100@0	DFT_BPSK	22.25
n77(3700-3980)	30	40	664000	50@25	DFT_BPSK	22.41
n77(3700-3980)	30	40	664000	1@1	DFT_BPSK	21.42
n77(3700-3980)	30	40	664000	1@104	DFT_BPSK	22.33
n77(3700-3980)	30	40	664000	100@0	DFT_QPSK	22.2
n77(3700-3980)	30	40	664000	50@25	DFT_QPSK	22.37
n77(3700-3980)	30	40	664000	1@1	DFT_QPSK	21.43
n77(3700-3980)	30	40	664000	1@104	DFT_QPSK	22.32
n77(3700-3980)	30	40	664000	100@0	DFT_16QAM	20.71
n77(3700-3980)	30	40	664000	50@25	DFT_16QAM	21.85
n77(3700-3980)	30	40	664000	1@1	DFT_16QAM	21.01
n77(3700-3980)	30	40	664000	1@104	DFT_16QAM	21.87
n77(3700-3980)	30	40	664000	100@0	DFT_64QAM	19.72
n77(3700-3980)	30	40	664000	50@25	DFT_64QAM	19.88
n77(3700-3980)	30	40	664000	1@1	DFT_64QAM	18.82
n77(3700-3980)	30	40	664000	1@104	DFT_64QAM	19.72
n77(3700-3980)	30	40	664000	100@0	DFT_256QAM	17.74
n77(3700-3980)	30	40	664000	50@25	DFT_256QAM	17.88
n77(3700-3980)	30	40	664000	1@1	DFT_256QAM	16.95
n77(3700-3980)	30	40	664000	1@104	DFT_256QAM	17.91
n77(3700-3980)	30	40	664000	106@0	CP_QPSK	19.22
n77(3700-3980)	30	40	664000	53@26	CP_QPSK	21.82
n77(3700-3980)	30	40	664000	1@1	CP_QPSK	20.87
n77(3700-3980)	30	40	664000	1@104	CP_QPSK	21.75
n77(3700-3980)	30	40	664000	106@0	CP_16QAM	19.2
n77(3700-3980)	30	40	664000	53@26	CP_16QAM	20.36
n77(3700-3980)	30	40	664000	1@1	CP_16QAM	19.48
n77(3700-3980)	30	40	664000	1@104	CP_16QAM	20.36
n77(3700-3980)	30	40	664000	106@0	CP_64QAM	18.71
n77(3700-3980)	30	40	664000	53@26	CP_64QAM	18.87
n77(3700-3980)	30	40	664000	1@1	CP_64QAM	18.02
n77(3700-3980)	30	40	664000	1@104	CP_64QAM	18.85
n77(3700-3980)	30	40	664000	106@0	CP_256QAM	15.86
n77(3700-3980)	30	40	664000	53@26	CP_256QAM	15.98
n77(3700-3980)	30	40	664000	1@1	CP_256QAM	14.97
n77(3700-3980)	30	40	664000	1@104	CP_256QAM	15.91



n77(3700-3980)	30	50	648334	128@0	DFT_BPSK	22.27
n77(3700-3980)	30	50	648334	64@32	DFT_BPSK	22.3
n77(3700-3980)	30	50	648334	1@1	DFT_BPSK	22.11
n77(3700-3980)	30	50	648334	1@131	DFT_BPSK	22.27
n77(3700-3980)	30	50	648334	128@0	DFT_QPSK	22.25
n77(3700-3980)	30	50	648334	64@32	DFT_QPSK	22.28
n77(3700-3980)	30	50	648334	1@1	DFT_QPSK	22.06
n77(3700-3980)	30	50	648334	1@131	DFT_QPSK	22.23
n77(3700-3980)	30	50	648334	128@0	DFT_16QAM	20.7
n77(3700-3980)	30	50	648334	64@32	DFT_16QAM	21.77
n77(3700-3980)	30	50	648334	1@1	DFT_16QAM	21.73
n77(3700-3980)	30	50	648334	1@131	DFT_16QAM	21.9
n77(3700-3980)	30	50	648334	128@0	DFT_64QAM	19.7
n77(3700-3980)	30	50	648334	64@32	DFT_64QAM	19.75
n77(3700-3980)	30	50	648334	1@1	DFT_64QAM	19.41
n77(3700-3980)	30	50	648334	1@131	DFT_64QAM	19.59
n77(3700-3980)	30	50	648334	128@0	DFT_256QAM	17.88
n77(3700-3980)	30	50	648334	64@32	DFT_256QAM	17.87
n77(3700-3980)	30	50	648334	1@1	DFT_256QAM	17.75
n77(3700-3980)	30	50	648334	1@131	DFT_256QAM	17.92
n77(3700-3980)	30	50	648334	133@0	CP_QPSK	19.23
n77(3700-3980)	30	50	648334	67@33	CP_QPSK	21.81
n77(3700-3980)	30	50	648334	1@1	CP_QPSK	21.56
n77(3700-3980)	30	50	648334	1@131	CP_QPSK	21.73
n77(3700-3980)	30	50	648334	133@0	CP_16QAM	19.23
n77(3700-3980)	30	50	648334	67@33	CP_16QAM	20.3
n77(3700-3980)	30	50	648334	1@1	CP_16QAM	20.18
n77(3700-3980)	30	50	648334	1@131	CP_16QAM	20.3
n77(3700-3980)	30	50	648334	133@0	CP_64QAM	18.74
n77(3700-3980)	30	50	648334	67@33	CP_64QAM	18.8
n77(3700-3980)	30	50	648334	1@1	CP_64QAM	18.91
n77(3700-3980)	30	50	648334	1@131	CP_64QAM	18.88
n77(3700-3980)	30	50	648334	133@0	CP_256QAM	15.88
n77(3700-3980)	30	50	648334	67@33	CP_256QAM	15.89
n77(3700-3980)	30	50	648334	1@1	CP_256QAM	15.8
n77(3700-3980)	30	50	648334	1@131	CP_256QAM	15.95
n77(3700-3980)	30	50	656000	128@0	DFT_BPSK	22.39
n77(3700-3980)	30	50	656000	64@32	DFT_BPSK	22.44
n77(3700-3980)	30	50	656000	1@1	DFT_BPSK	21.9
n77(3700-3980)	30	50	656000	1@131	DFT_BPSK	22.53
n77(3700-3980)	30	50	656000	128@0	DFT_QPSK	22.34
n77(3700-3980)	30	50	656000	64@32	DFT_QPSK	22.45
n77(3700-3980)	30	50	656000	1@1	DFT_QPSK	21.91
n77(3700-3980)	30	50	656000	1@131	DFT_QPSK	22.53
n77(3700-3980)	30	50	656000	128@0	DFT_16QAM	20.84
n77(3700-3980)	30	50	656000	64@32	DFT_16QAM	21.95
n77(3700-3980)	30	50	656000	1@1	DFT_16QAM	21.38
n77(3700-3980)	30	50	656000	1@131	DFT_16QAM	22.02
n77(3700-3980)	30	50	656000	128@0	DFT_64QAM	19.8
n77(3700-3980)	30	50	656000	64@32	DFT_64QAM	19.89
n77(3700-3980)	30	50	656000	1@1	DFT_64QAM	19.23
n77(3700-3980)	30	50	656000	1@131	DFT_64QAM	19.81
n77(3700-3980)	30	50	656000	128@0	DFT_256QAM	17.99
n77(3700-3980)	30	50	656000	64@32	DFT_256QAM	18.03
n77(3700-3980)	30	50	656000	1@1	DFT_256QAM	17.53
n77(3700-3980)	30	50	656000	1@131	DFT_256QAM	18.02
n77(3700-3980)	30	50	656000	133@0	CP_QPSK	19.36



n77(3700-3980)	30	50	656000	67@33	CP_QPSK	21.93
n77(3700-3980)	30	50	656000	1@1	CP_QPSK	21.4
n77(3700-3980)	30	50	656000	1@131	CP_QPSK	22
n77(3700-3980)	30	50	656000	133@0	CP_16QAM	19.37
n77(3700-3980)	30	50	656000	67@33	CP_16QAM	20.43
n77(3700-3980)	30	50	656000	1@1	CP_16QAM	19.98
n77(3700-3980)	30	50	656000	1@131	CP_16QAM	20.59
n77(3700-3980)	30	50	656000	133@0	CP_64QAM	18.87
n77(3700-3980)	30	50	656000	67@33	CP_64QAM	18.96
n77(3700-3980)	30	50	656000	1@1	CP_64QAM	18.54
n77(3700-3980)	30	50	656000	1@131	CP_64QAM	19.13
n77(3700-3980)	30	50	656000	133@0	CP_256QAM	15.99
n77(3700-3980)	30	50	656000	67@33	CP_256QAM	16.02
n77(3700-3980)	30	50	656000	1@1	CP_256QAM	15.61
n77(3700-3980)	30	50	656000	1@131	CP_256QAM	16.19
n77(3700-3980)	30	50	663666	128@0	DFT_BPSK	22.08
n77(3700-3980)	30	50	663666	64@32	DFT_BPSK	22.13
n77(3700-3980)	30	50	663666	1@1	DFT_BPSK	21.6
n77(3700-3980)	30	50	663666	1@131	DFT_BPSK	22.48
n77(3700-3980)	30	50	663666	128@0	DFT_QPSK	22.08
n77(3700-3980)	30	50	663666	64@32	DFT_QPSK	22.18
n77(3700-3980)	30	50	663666	1@1	DFT_QPSK	21.62
n77(3700-3980)	30	50	663666	1@131	DFT_QPSK	22.45
n77(3700-3980)	30	50	663666	128@0	DFT_16QAM	20.54
n77(3700-3980)	30	50	663666	64@32	DFT_16QAM	21.61
n77(3700-3980)	30	50	663666	1@1	DFT_16QAM	21.15
n77(3700-3980)	30	50	663666	1@131	DFT_16QAM	21.96
n77(3700-3980)	30	50	663666	128@0	DFT_64QAM	19.53
n77(3700-3980)	30	50	663666	64@32	DFT_64QAM	19.62
n77(3700-3980)	30	50	663666	1@1	DFT_64QAM	18.93
n77(3700-3980)	30	50	663666	1@131	DFT_64QAM	19.79
n77(3700-3980)	30	50	663666	128@0	DFT_256QAM	17.54
n77(3700-3980)	30	50	663666	64@32	DFT_256QAM	17.6
n77(3700-3980)	30	50	663666	1@1	DFT_256QAM	17.07
n77(3700-3980)	30	50	663666	1@131	DFT_256QAM	17.98
n77(3700-3980)	30	50	663666	133@0	CP_QPSK	19.07
n77(3700-3980)	30	50	663666	67@33	CP_QPSK	21.64
n77(3700-3980)	30	50	663666	1@1	CP_QPSK	21.05
n77(3700-3980)	30	50	663666	1@131	CP_QPSK	21.98
n77(3700-3980)	30	50	663666	133@0	CP_16QAM	19.07
n77(3700-3980)	30	50	663666	67@33	CP_16QAM	20.17
n77(3700-3980)	30	50	663666	1@1	CP_16QAM	19.64
n77(3700-3980)	30	50	663666	1@131	CP_16QAM	20.5
n77(3700-3980)	30	50	663666	133@0	CP_64QAM	18.58
n77(3700-3980)	30	50	663666	67@33	CP_64QAM	18.66
n77(3700-3980)	30	50	663666	1@1	CP_64QAM	18.21
n77(3700-3980)	30	50	663666	1@131	CP_64QAM	19.11
n77(3700-3980)	30	50	663666	133@0	CP_256QAM	15.71
n77(3700-3980)	30	50	663666	67@33	CP_256QAM	15.74
n77(3700-3980)	30	50	663666	1@1	CP_256QAM	15.3
n77(3700-3980)	30	50	663666	1@131	CP_256QAM	16.18



n77(3700-3980)	30	60	648668	162@0	DFT_BPSK	22.32
n77(3700-3980)	30	60	648668	81@40	DFT_BPSK	22.36
n77(3700-3980)	30	60	648668	1@1	DFT_BPSK	22.01
n77(3700-3980)	30	60	648668	1@160	DFT_BPSK	22.15
n77(3700-3980)	30	60	648668	162@0	DFT_QPSK	22.3
n77(3700-3980)	30	60	648668	81@40	DFT_QPSK	22.35
n77(3700-3980)	30	60	648668	1@1	DFT_QPSK	22.04
n77(3700-3980)	30	60	648668	1@160	DFT_QPSK	22.18
n77(3700-3980)	30	60	648668	162@0	DFT_16QAM	20.76
n77(3700-3980)	30	60	648668	81@40	DFT_16QAM	21.81
n77(3700-3980)	30	60	648668	1@1	DFT_16QAM	21.4
n77(3700-3980)	30	60	648668	1@160	DFT_16QAM	21.57
n77(3700-3980)	30	60	648668	162@0	DFT_64QAM	19.75
n77(3700-3980)	30	60	648668	81@40	DFT_64QAM	19.81
n77(3700-3980)	30	60	648668	1@1	DFT_64QAM	19.36
n77(3700-3980)	30	60	648668	1@160	DFT_64QAM	19.51
n77(3700-3980)	30	60	648668	162@0	DFT_256QAM	17.29
n77(3700-3980)	30	60	648668	81@40	DFT_256QAM	17.94
n77(3700-3980)	30	60	648668	1@1	DFT_256QAM	17.55
n77(3700-3980)	30	60	648668	1@160	DFT_256QAM	17.86
n77(3700-3980)	30	60	648668	162@0	CP_QPSK	19.23
n77(3700-3980)	30	60	648668	81@40	CP_QPSK	21.84
n77(3700-3980)	30	60	648668	1@1	CP_QPSK	21.48
n77(3700-3980)	30	60	648668	1@160	CP_QPSK	21.59
n77(3700-3980)	30	60	648668	162@0	CP_16QAM	19.23
n77(3700-3980)	30	60	648668	81@40	CP_16QAM	20.34
n77(3700-3980)	30	60	648668	1@1	CP_16QAM	20.01
n77(3700-3980)	30	60	648668	1@160	CP_16QAM	20.17
n77(3700-3980)	30	60	648668	162@0	CP_64QAM	18.24
n77(3700-3980)	30	60	648668	81@40	CP_64QAM	18.8
n77(3700-3980)	30	60	648668	1@1	CP_64QAM	18.56
n77(3700-3980)	30	60	648668	1@160	CP_64QAM	18.8
n77(3700-3980)	30	60	648668	162@0	CP_256QAM	15.66
n77(3700-3980)	30	60	648668	81@40	CP_256QAM	15.91
n77(3700-3980)	30	60	648668	1@1	CP_256QAM	15.44
n77(3700-3980)	30	60	648668	1@160	CP_256QAM	15.86
n77(3700-3980)	30	60	656000	162@0	DFT_BPSK	22.37
n77(3700-3980)	30	60	656000	81@40	DFT_BPSK	22.46
n77(3700-3980)	30	60	656000	1@1	DFT_BPSK	21.73
n77(3700-3980)	30	60	656000	1@160	DFT_BPSK	22.35
n77(3700-3980)	30	60	656000	162@0	DFT_QPSK	22.32
n77(3700-3980)	30	60	656000	81@40	DFT_QPSK	22.4
n77(3700-3980)	30	60	656000	1@1	DFT_QPSK	21.74
n77(3700-3980)	30	60	656000	1@160	DFT_QPSK	22.37
n77(3700-3980)	30	60	656000	162@0	DFT_16QAM	20.82
n77(3700-3980)	30	60	656000	81@40	DFT_16QAM	21.93
n77(3700-3980)	30	60	656000	1@1	DFT_16QAM	21.12
n77(3700-3980)	30	60	656000	1@160	DFT_16QAM	21.75
n77(3700-3980)	30	60	656000	162@0	DFT_64QAM	19.82
n77(3700-3980)	30	60	656000	81@40	DFT_64QAM	19.95
n77(3700-3980)	30	60	656000	1@1	DFT_64QAM	19.05
n77(3700-3980)	30	60	656000	1@160	DFT_64QAM	19.69
n77(3700-3980)	30	60	656000	162@0	DFT_256QAM	18.19
n77(3700-3980)	30	60	656000	81@40	DFT_256QAM	18.06
n77(3700-3980)	30	60	656000	1@1	DFT_256QAM	18.11
n77(3700-3980)	30	60	656000	1@160	DFT_256QAM	17.88
n77(3700-3980)	30	60	656000	162@0	CP_QPSK	19.28



n77(3700-3980)	30	60	656000	81@40	CP_QPSK	21.93
n77(3700-3980)	30	60	656000	1@1	CP_QPSK	21.22
n77(3700-3980)	30	60	656000	1@160	CP_QPSK	21.88
n77(3700-3980)	30	60	656000	162@0	CP_16QAM	19.29
n77(3700-3980)	30	60	656000	81@40	CP_16QAM	20.46
n77(3700-3980)	30	60	656000	1@1	CP_16QAM	19.78
n77(3700-3980)	30	60	656000	1@160	CP_16QAM	20.39
n77(3700-3980)	30	60	656000	162@0	CP_64QAM	18.45
n77(3700-3980)	30	60	656000	81@40	CP_64QAM	18.9
n77(3700-3980)	30	60	656000	1@1	CP_64QAM	18.25
n77(3700-3980)	30	60	656000	1@160	CP_64QAM	18.98
n77(3700-3980)	30	60	656000	162@0	CP_256QAM	16.21
n77(3700-3980)	30	60	656000	81@40	CP_256QAM	16.02
n77(3700-3980)	30	60	656000	1@1	CP_256QAM	16.14
n77(3700-3980)	30	60	656000	1@160	CP_256QAM	16.09
n77(3700-3980)	30	60	663332	162@0	DFT_BPSK	22.12
n77(3700-3980)	30	60	663332	81@40	DFT_BPSK	22.17
n77(3700-3980)	30	60	663332	1@1	DFT_BPSK	21.68
n77(3700-3980)	30	60	663332	1@160	DFT_BPSK	22.41
n77(3700-3980)	30	60	663332	162@0	DFT_QPSK	22.09
n77(3700-3980)	30	60	663332	81@40	DFT_QPSK	22.15
n77(3700-3980)	30	60	663332	1@1	DFT_QPSK	21.62
n77(3700-3980)	30	60	663332	1@160	DFT_QPSK	22.41
n77(3700-3980)	30	60	663332	162@0	DFT_16QAM	20.61
n77(3700-3980)	30	60	663332	81@40	DFT_16QAM	21.62
n77(3700-3980)	30	60	663332	1@1	DFT_16QAM	21.03
n77(3700-3980)	30	60	663332	1@160	DFT_16QAM	21.76
n77(3700-3980)	30	60	663332	162@0	DFT_64QAM	19.58
n77(3700-3980)	30	60	663332	81@40	DFT_64QAM	19.64
n77(3700-3980)	30	60	663332	1@1	DFT_64QAM	19
n77(3700-3980)	30	60	663332	1@160	DFT_64QAM	19.76
n77(3700-3980)	30	60	663332	162@0	DFT_256QAM	17.58
n77(3700-3980)	30	60	663332	81@40	DFT_256QAM	17.05
n77(3700-3980)	30	60	663332	1@1	DFT_256QAM	17.17
n77(3700-3980)	30	60	663332	1@160	DFT_256QAM	17.89
n77(3700-3980)	30	60	663332	162@0	CP_QPSK	19.07
n77(3700-3980)	30	60	663332	81@40	CP_QPSK	21.58
n77(3700-3980)	30	60	663332	1@1	CP_QPSK	21.08
n77(3700-3980)	30	60	663332	1@160	CP_QPSK	21.8
n77(3700-3980)	30	60	663332	162@0	CP_16QAM	19.1
n77(3700-3980)	30	60	663332	81@40	CP_16QAM	20.07
n77(3700-3980)	30	60	663332	1@1	CP_16QAM	19.7
n77(3700-3980)	30	60	663332	1@160	CP_16QAM	20.44
n77(3700-3980)	30	60	663332	162@0	CP_64QAM	18.6
n77(3700-3980)	30	60	663332	81@40	CP_64QAM	18.61
n77(3700-3980)	30	60	663332	1@1	CP_64QAM	18.22
n77(3700-3980)	30	60	663332	1@160	CP_64QAM	19
n77(3700-3980)	30	60	663332	162@0	CP_256QAM	15.7
n77(3700-3980)	30	60	663332	81@40	CP_256QAM	15.6
n77(3700-3980)	30	60	663332	1@1	CP_256QAM	15.34
n77(3700-3980)	30	60	663332	1@160	CP_256QAM	15.26



n77(3700-3980)	30	70	649000	180@0	DFT_BPSK	22.49
n77(3700-3980)	30	70	649000	90@45	DFT_BPSK	22.52
n77(3700-3980)	30	70	649000	1@1	DFT_BPSK	22.11
n77(3700-3980)	30	70	649000	1@187	DFT_BPSK	22.38
n77(3700-3980)	30	70	649000	180@0	DFT_QPSK	22.48
n77(3700-3980)	30	70	649000	90@45	DFT_QPSK	22.51
n77(3700-3980)	30	70	649000	1@1	DFT_QPSK	22.12
n77(3700-3980)	30	70	649000	1@187	DFT_QPSK	22.36
n77(3700-3980)	30	70	649000	180@0	DFT_16QAM	20.97
n77(3700-3980)	30	70	649000	90@45	DFT_16QAM	22
n77(3700-3980)	30	70	649000	1@1	DFT_16QAM	21.49
n77(3700-3980)	30	70	649000	1@187	DFT_16QAM	21.72
n77(3700-3980)	30	70	649000	180@0	DFT_64QAM	19.94
n77(3700-3980)	30	70	649000	90@45	DFT_64QAM	19.97
n77(3700-3980)	30	70	649000	1@1	DFT_64QAM	19.43
n77(3700-3980)	30	70	649000	1@187	DFT_64QAM	19.68
n77(3700-3980)	30	70	649000	180@0	DFT_256QAM	18.36
n77(3700-3980)	30	70	649000	90@45	DFT_256QAM	18.14
n77(3700-3980)	30	70	649000	1@1	DFT_256QAM	18.55
n77(3700-3980)	30	70	649000	1@187	DFT_256QAM	18.06
n77(3700-3980)	30	70	649000	189@0	CP_QPSK	19.41
n77(3700-3980)	30	70	649000	95@47	CP_QPSK	21.97
n77(3700-3980)	30	70	649000	1@1	CP_QPSK	21.68
n77(3700-3980)	30	70	649000	1@187	CP_QPSK	21.93
n77(3700-3980)	30	70	649000	189@0	CP_16QAM	19.42
n77(3700-3980)	30	70	649000	95@47	CP_16QAM	20.47
n77(3700-3980)	30	70	649000	1@1	CP_16QAM	20.1
n77(3700-3980)	30	70	649000	1@187	CP_16QAM	20.4
n77(3700-3980)	30	70	649000	189@0	CP_64QAM	18.9
n77(3700-3980)	30	70	649000	95@47	CP_64QAM	18.93
n77(3700-3980)	30	70	649000	1@1	CP_64QAM	18.66
n77(3700-3980)	30	70	649000	1@187	CP_64QAM	18.9
n77(3700-3980)	30	70	649000	189@0	CP_256QAM	16.05
n77(3700-3980)	30	70	649000	95@47	CP_256QAM	16.39
n77(3700-3980)	30	70	649000	1@1	CP_256QAM	15.81
n77(3700-3980)	30	70	649000	1@187	CP_256QAM	15.99
n77(3700-3980)	30	70	656000	180@0	DFT_BPSK	22.44
n77(3700-3980)	30	70	656000	90@45	DFT_BPSK	22.54
n77(3700-3980)	30	70	656000	1@1	DFT_BPSK	21.78
n77(3700-3980)	30	70	656000	1@187	DFT_BPSK	22.42
n77(3700-3980)	30	70	656000	180@0	DFT_QPSK	22.44
n77(3700-3980)	30	70	656000	90@45	DFT_QPSK	22.53
n77(3700-3980)	30	70	656000	1@1	DFT_QPSK	21.73
n77(3700-3980)	30	70	656000	1@187	DFT_QPSK	22.35
n77(3700-3980)	30	70	656000	180@0	DFT_16QAM	20.91
n77(3700-3980)	30	70	656000	90@45	DFT_16QAM	22.03
n77(3700-3980)	30	70	656000	1@1	DFT_16QAM	21.11
n77(3700-3980)	30	70	656000	1@187	DFT_16QAM	21.75
n77(3700-3980)	30	70	656000	180@0	DFT_64QAM	19.92
n77(3700-3980)	30	70	656000	90@45	DFT_64QAM	19.99
n77(3700-3980)	30	70	656000	1@1	DFT_64QAM	19.07
n77(3700-3980)	30	70	656000	1@187	DFT_64QAM	19.75
n77(3700-3980)	30	70	656000	180@0	DFT_256QAM	17.33
n77(3700-3980)	30	70	656000	90@45	DFT_256QAM	17.99
n77(3700-3980)	30	70	656000	1@1	DFT_256QAM	17.21
n77(3700-3980)	30	70	656000	1@187	DFT_256QAM	17.82
n77(3700-3980)	30	70	656000	189@0	CP_QPSK	19.38



n77(3700-3980)	30	70	656000	95@47	CP_QPSK	22.03
n77(3700-3980)	30	70	656000	1@1	CP_QPSK	21.32
n77(3700-3980)	30	70	656000	1@187	CP_QPSK	21.94
n77(3700-3980)	30	70	656000	189@0	CP_16QAM	19.39
n77(3700-3980)	30	70	656000	95@47	CP_16QAM	20.52
n77(3700-3980)	30	70	656000	1@1	CP_16QAM	19.71
n77(3700-3980)	30	70	656000	1@187	CP_16QAM	20.42
n77(3700-3980)	30	70	656000	189@0	CP_64QAM	19.24
n77(3700-3980)	30	70	656000	95@47	CP_64QAM	19.01
n77(3700-3980)	30	70	656000	1@1	CP_64QAM	19.56
n77(3700-3980)	30	70	656000	1@187	CP_64QAM	18.96
n77(3700-3980)	30	70	656000	189@0	CP_256QAM	16.25
n77(3700-3980)	30	70	656000	95@47	CP_256QAM	16.14
n77(3700-3980)	30	70	656000	1@1	CP_256QAM	16.31
n77(3700-3980)	30	70	656000	1@187	CP_256QAM	16.1
n77(3700-3980)	30	70	663000	180@0	DFT_BPSK	22.17
n77(3700-3980)	30	70	663000	90@45	DFT_BPSK	22.13
n77(3700-3980)	30	70	663000	1@1	DFT_BPSK	21.72
n77(3700-3980)	30	70	663000	1@187	DFT_BPSK	22.39
n77(3700-3980)	30	70	663000	180@0	DFT_QPSK	22.16
n77(3700-3980)	30	70	663000	90@45	DFT_QPSK	22.12
n77(3700-3980)	30	70	663000	1@1	DFT_QPSK	21.68
n77(3700-3980)	30	70	663000	1@187	DFT_QPSK	22.39
n77(3700-3980)	30	70	663000	180@0	DFT_16QAM	20.65
n77(3700-3980)	30	70	663000	90@45	DFT_16QAM	21.61
n77(3700-3980)	30	70	663000	1@1	DFT_16QAM	21.08
n77(3700-3980)	30	70	663000	1@187	DFT_16QAM	21.77
n77(3700-3980)	30	70	663000	180@0	DFT_64QAM	19.63
n77(3700-3980)	30	70	663000	90@45	DFT_64QAM	19.6
n77(3700-3980)	30	70	663000	1@1	DFT_64QAM	19.1
n77(3700-3980)	30	70	663000	1@187	DFT_64QAM	19.79
n77(3700-3980)	30	70	663000	180@0	DFT_256QAM	17.56
n77(3700-3980)	30	70	663000	90@45	DFT_256QAM	17.59
n77(3700-3980)	30	70	663000	1@1	DFT_256QAM	17.31
n77(3700-3980)	30	70	663000	1@187	DFT_256QAM	17.89
n77(3700-3980)	30	70	663000	189@0	CP_QPSK	19.11
n77(3700-3980)	30	70	663000	95@47	CP_QPSK	21.64
n77(3700-3980)	30	70	663000	1@1	CP_QPSK	21.24
n77(3700-3980)	30	70	663000	1@187	CP_QPSK	21.88
n77(3700-3980)	30	70	663000	189@0	CP_16QAM	19.13
n77(3700-3980)	30	70	663000	95@47	CP_16QAM	20.15
n77(3700-3980)	30	70	663000	1@1	CP_16QAM	19.71
n77(3700-3980)	30	70	663000	1@187	CP_16QAM	20.42
n77(3700-3980)	30	70	663000	189@0	CP_64QAM	18.14
n77(3700-3980)	30	70	663000	95@47	CP_64QAM	18.61
n77(3700-3980)	30	70	663000	1@1	CP_64QAM	18.18
n77(3700-3980)	30	70	663000	1@187	CP_64QAM	19
n77(3700-3980)	30	70	663000	189@0	CP_256QAM	15.25
n77(3700-3980)	30	70	663000	95@47	CP_256QAM	15.75
n77(3700-3980)	30	70	663000	1@1	CP_256QAM	15.28
n77(3700-3980)	30	70	663000	1@187	CP_256QAM	16.15



n77(3700-3980)	30	80	649334	216@0	DFT_BPSK	22.45
n77(3700-3980)	30	80	649334	108@54	DFT_BPSK	22.48
n77(3700-3980)	30	80	649334	1@1	DFT_BPSK	21.97
n77(3700-3980)	30	80	649334	1@215	DFT_BPSK	22.38
n77(3700-3980)	30	80	649334	216@0	DFT_QPSK	22.42
n77(3700-3980)	30	80	649334	108@54	DFT_QPSK	22.47
n77(3700-3980)	30	80	649334	1@1	DFT_QPSK	21.87
n77(3700-3980)	30	80	649334	1@215	DFT_QPSK	22.29
n77(3700-3980)	30	80	649334	216@0	DFT_16QAM	20.92
n77(3700-3980)	30	80	649334	108@54	DFT_16QAM	21.94
n77(3700-3980)	30	80	649334	1@1	DFT_16QAM	21.32
n77(3700-3980)	30	80	649334	1@215	DFT_16QAM	21.73
n77(3700-3980)	30	80	649334	216@0	DFT_64QAM	19.87
n77(3700-3980)	30	80	649334	108@54	DFT_64QAM	19.94
n77(3700-3980)	30	80	649334	1@1	DFT_64QAM	19.3
n77(3700-3980)	30	80	649334	1@215	DFT_64QAM	19.72
n77(3700-3980)	30	80	649334	216@0	DFT_256QAM	18.36
n77(3700-3980)	30	80	649334	108@54	DFT_256QAM	18.1
n77(3700-3980)	30	80	649334	1@1	DFT_256QAM	18.33
n77(3700-3980)	30	80	649334	1@215	DFT_256QAM	18.11
n77(3700-3980)	30	80	649334	217@0	CP_QPSK	19.36
n77(3700-3980)	30	80	649334	109@54	CP_QPSK	21.94
n77(3700-3980)	30	80	649334	1@1	CP_QPSK	21.54
n77(3700-3980)	30	80	649334	1@215	CP_QPSK	21.94
n77(3700-3980)	30	80	649334	217@0	CP_16QAM	19.36
n77(3700-3980)	30	80	649334	109@54	CP_16QAM	20.45
n77(3700-3980)	30	80	649334	1@1	CP_16QAM	19.97
n77(3700-3980)	30	80	649334	1@215	CP_16QAM	20.36
n77(3700-3980)	30	80	649334	217@0	CP_64QAM	18.49
n77(3700-3980)	30	80	649334	109@54	CP_64QAM	18.86
n77(3700-3980)	30	80	649334	1@1	CP_64QAM	18.5
n77(3700-3980)	30	80	649334	1@215	CP_64QAM	18.93
n77(3700-3980)	30	80	649334	217@0	CP_256QAM	16.52
n77(3700-3980)	30	80	649334	109@54	CP_256QAM	16.07
n77(3700-3980)	30	80	649334	1@1	CP_256QAM	15.68
n77(3700-3980)	30	80	649334	1@215	CP_256QAM	16.09
n77(3700-3980)	30	80	656000	216@0	DFT_BPSK	22.43
n77(3700-3980)	30	80	656000	108@54	DFT_BPSK	22.57
n77(3700-3980)	30	80	656000	1@1	DFT_BPSK	21.59
n77(3700-3980)	30	80	656000	1@215	DFT_BPSK	22.31
n77(3700-3980)	30	80	656000	216@0	DFT_QPSK	22.4
n77(3700-3980)	30	80	656000	108@54	DFT_QPSK	22.58
n77(3700-3980)	30	80	656000	1@1	DFT_QPSK	21.6
n77(3700-3980)	30	80	656000	1@215	DFT_QPSK	22.27
n77(3700-3980)	30	80	656000	216@0	DFT_16QAM	20.91
n77(3700-3980)	30	80	656000	108@54	DFT_16QAM	22.03
n77(3700-3980)	30	80	656000	1@1	DFT_16QAM	20.95
n77(3700-3980)	30	80	656000	1@215	DFT_16QAM	21.65
n77(3700-3980)	30	80	656000	216@0	DFT_64QAM	19.86
n77(3700-3980)	30	80	656000	108@54	DFT_64QAM	20.05
n77(3700-3980)	30	80	656000	1@1	DFT_64QAM	19.09
n77(3700-3980)	30	80	656000	1@215	DFT_64QAM	19.64
n77(3700-3980)	30	80	656000	216@0	DFT_256QAM	17.83
n77(3700-3980)	30	80	656000	108@54	DFT_256QAM	18
n77(3700-3980)	30	80	656000	1@1	DFT_256QAM	17.32
n77(3700-3980)	30	80	656000	1@215	DFT_256QAM	17.75
n77(3700-3980)	30	80	656000	217@0	CP_QPSK	19.35



n77(3700-3980)	30	80	656000	109@54	CP_QPSK	22
n77(3700-3980)	30	80	656000	1@1	CP_QPSK	21.21
n77(3700-3980)	30	80	656000	1@215	CP_QPSK	21.89
n77(3700-3980)	30	80	656000	217@0	CP_16QAM	19.33
n77(3700-3980)	30	80	656000	109@54	CP_16QAM	20.51
n77(3700-3980)	30	80	656000	1@1	CP_16QAM	19.54
n77(3700-3980)	30	80	656000	1@215	CP_16QAM	20.25
n77(3700-3980)	30	80	656000	217@0	CP_64QAM	18.81
n77(3700-3980)	30	80	656000	109@54	CP_64QAM	18.96
n77(3700-3980)	30	80	656000	1@1	CP_64QAM	18.98
n77(3700-3980)	30	80	656000	1@215	CP_64QAM	18.91
n77(3700-3980)	30	80	656000	217@0	CP_256QAM	16.34
n77(3700-3980)	30	80	656000	109@54	CP_256QAM	16.14
n77(3700-3980)	30	80	656000	1@1	CP_256QAM	15.34
n77(3700-3980)	30	80	656000	1@215	CP_256QAM	16.06
n77(3700-3980)	30	80	662666	216@0	DFT_BPSK	22.14
n77(3700-3980)	30	80	662666	108@54	DFT_BPSK	22.1
n77(3700-3980)	30	80	662666	1@1	DFT_BPSK	21.64
n77(3700-3980)	30	80	662666	1@215	DFT_BPSK	22.29
n77(3700-3980)	30	80	662666	216@0	DFT_QPSK	22.13
n77(3700-3980)	30	80	662666	108@54	DFT_QPSK	22.1
n77(3700-3980)	30	80	662666	1@1	DFT_QPSK	21.65
n77(3700-3980)	30	80	662666	1@215	DFT_QPSK	22.3
n77(3700-3980)	30	80	662666	216@0	DFT_16QAM	20.62
n77(3700-3980)	30	80	662666	108@54	DFT_16QAM	21.58
n77(3700-3980)	30	80	662666	1@1	DFT_16QAM	21.07
n77(3700-3980)	30	80	662666	1@215	DFT_16QAM	21.75
n77(3700-3980)	30	80	662666	216@0	DFT_64QAM	19.59
n77(3700-3980)	30	80	662666	108@54	DFT_64QAM	19.59
n77(3700-3980)	30	80	662666	1@1	DFT_64QAM	19.04
n77(3700-3980)	30	80	662666	1@215	DFT_64QAM	19.65
n77(3700-3980)	30	80	662666	216@0	DFT_256QAM	17.56
n77(3700-3980)	30	80	662666	108@54	DFT_256QAM	17.56
n77(3700-3980)	30	80	662666	1@1	DFT_256QAM	17.07
n77(3700-3980)	30	80	662666	1@215	DFT_256QAM	17.69
n77(3700-3980)	30	80	662666	217@0	CP_QPSK	19.08
n77(3700-3980)	30	80	662666	109@54	CP_QPSK	21.54
n77(3700-3980)	30	80	662666	1@1	CP_QPSK	21.14
n77(3700-3980)	30	80	662666	1@215	CP_QPSK	21.68
n77(3700-3980)	30	80	662666	217@0	CP_16QAM	19.09
n77(3700-3980)	30	80	662666	109@54	CP_16QAM	20.02
n77(3700-3980)	30	80	662666	1@1	CP_16QAM	19.74
n77(3700-3980)	30	80	662666	1@215	CP_16QAM	20.36
n77(3700-3980)	30	80	662666	217@0	CP_64QAM	18.32
n77(3700-3980)	30	80	662666	109@54	CP_64QAM	18.48
n77(3700-3980)	30	80	662666	1@1	CP_64QAM	18.85
n77(3700-3980)	30	80	662666	1@215	CP_64QAM	18.83
n77(3700-3980)	30	80	662666	217@0	CP_256QAM	15.71
n77(3700-3980)	30	80	662666	109@54	CP_256QAM	15.72
n77(3700-3980)	30	80	662666	1@1	CP_256QAM	15.39
n77(3700-3980)	30	80	662666	1@215	CP_256QAM	16.07



n77(3700-3980)	30	90	649668	240@0	DFT_BPSK	22.47
n77(3700-3980)	30	90	649668	120@60	DFT_BPSK	22.53
n77(3700-3980)	30	90	649668	1@1	DFT_BPSK	21.77
n77(3700-3980)	30	90	649668	1@243	DFT_BPSK	22.32
n77(3700-3980)	30	90	649668	240@0	DFT_QPSK	22.45
n77(3700-3980)	30	90	649668	120@60	DFT_QPSK	22.51
n77(3700-3980)	30	90	649668	1@1	DFT_QPSK	21.82
n77(3700-3980)	30	90	649668	1@243	DFT_QPSK	22.34
n77(3700-3980)	30	90	649668	240@0	DFT_16QAM	20.93
n77(3700-3980)	30	90	649668	120@60	DFT_16QAM	22
n77(3700-3980)	30	90	649668	1@1	DFT_16QAM	21.25
n77(3700-3980)	30	90	649668	1@243	DFT_16QAM	21.82
n77(3700-3980)	30	90	649668	240@0	DFT_64QAM	19.91
n77(3700-3980)	30	90	649668	120@60	DFT_64QAM	19.96
n77(3700-3980)	30	90	649668	1@1	DFT_64QAM	19.07
n77(3700-3980)	30	90	649668	1@243	DFT_64QAM	19.57
n77(3700-3980)	30	90	649668	240@0	DFT_256QAM	18.11
n77(3700-3980)	30	90	649668	120@60	DFT_256QAM	18.14
n77(3700-3980)	30	90	649668	1@1	DFT_256QAM	17.54
n77(3700-3980)	30	90	649668	1@243	DFT_256QAM	18.08
n77(3700-3980)	30	90	649668	245@0	CP_QPSK	19.38
n77(3700-3980)	30	90	649668	123@61	CP_QPSK	22.03
n77(3700-3980)	30	90	649668	1@1	CP_QPSK	21.27
n77(3700-3980)	30	90	649668	1@243	CP_QPSK	21.8
n77(3700-3980)	30	90	649668	245@0	CP_16QAM	19.39
n77(3700-3980)	30	90	649668	123@61	CP_16QAM	20.52
n77(3700-3980)	30	90	649668	1@1	CP_16QAM	19.74
n77(3700-3980)	30	90	649668	1@243	CP_16QAM	20.29
n77(3700-3980)	30	90	649668	245@0	CP_64QAM	18.86
n77(3700-3980)	30	90	649668	123@61	CP_64QAM	18.99
n77(3700-3980)	30	90	649668	1@1	CP_64QAM	18.34
n77(3700-3980)	30	90	649668	1@243	CP_64QAM	18.87
n77(3700-3980)	30	90	649668	245@0	CP_256QAM	16.08
n77(3700-3980)	30	90	649668	123@61	CP_256QAM	16.16
n77(3700-3980)	30	90	649668	1@1	CP_256QAM	15.63
n77(3700-3980)	30	90	649668	1@243	CP_256QAM	16.15
n77(3700-3980)	30	90	656000	240@0	DFT_BPSK	22.32
n77(3700-3980)	30	90	656000	120@60	DFT_BPSK	22.55
n77(3700-3980)	30	90	656000	1@1	DFT_BPSK	21.41
n77(3700-3980)	30	90	656000	1@243	DFT_BPSK	22.04
n77(3700-3980)	30	90	656000	240@0	DFT_QPSK	22.32
n77(3700-3980)	30	90	656000	120@60	DFT_QPSK	22.53
n77(3700-3980)	30	90	656000	1@1	DFT_QPSK	21.44
n77(3700-3980)	30	90	656000	1@243	DFT_QPSK	22.08
n77(3700-3980)	30	90	656000	240@0	DFT_16QAM	20.82
n77(3700-3980)	30	90	656000	120@60	DFT_16QAM	21.97
n77(3700-3980)	30	90	656000	1@1	DFT_16QAM	20.82
n77(3700-3980)	30	90	656000	1@243	DFT_16QAM	21.47
n77(3700-3980)	30	90	656000	240@0	DFT_64QAM	19.81
n77(3700-3980)	30	90	656000	120@60	DFT_64QAM	19.97
n77(3700-3980)	30	90	656000	1@1	DFT_64QAM	19.63
n77(3700-3980)	30	90	656000	1@243	DFT_64QAM	19.39
n77(3700-3980)	30	90	656000	240@0	DFT_256QAM	17.49
n77(3700-3980)	30	90	656000	120@60	DFT_256QAM	17.93
n77(3700-3980)	30	90	656000	1@1	DFT_256QAM	17.2
n77(3700-3980)	30	90	656000	1@243	DFT_256QAM	17.52
n77(3700-3980)	30	90	656000	245@0	CP_QPSK	19.33



n77(3700-3980)	30	90	656000	123@61	CP_QPSK	22.01
n77(3700-3980)	30	90	656000	1@1	CP_QPSK	20.89
n77(3700-3980)	30	90	656000	1@243	CP_QPSK	21.58
n77(3700-3980)	30	90	656000	245@0	CP_16QAM	19.3
n77(3700-3980)	30	90	656000	123@61	CP_16QAM	20.5
n77(3700-3980)	30	90	656000	1@1	CP_16QAM	19.41
n77(3700-3980)	30	90	656000	1@243	CP_16QAM	20.11
n77(3700-3980)	30	90	656000	245@0	CP_64QAM	18.8
n77(3700-3980)	30	90	656000	123@61	CP_64QAM	18.96
n77(3700-3980)	30	90	656000	1@1	CP_64QAM	18.02
n77(3700-3980)	30	90	656000	1@243	CP_64QAM	18.66
n77(3700-3980)	30	90	656000	245@0	CP_256QAM	15.98
n77(3700-3980)	30	90	656000	123@61	CP_256QAM	16.13
n77(3700-3980)	30	90	656000	1@1	CP_256QAM	15.28
n77(3700-3980)	30	90	656000	1@243	CP_256QAM	15.94
n77(3700-3980)	30	90	662332	240@0	DFT_BPSK	22.09
n77(3700-3980)	30	90	662332	120@60	DFT_BPSK	22.1
n77(3700-3980)	30	90	662332	1@1	DFT_BPSK	21.56
n77(3700-3980)	30	90	662332	1@243	DFT_BPSK	22.16
n77(3700-3980)	30	90	662332	240@0	DFT_QPSK	22.09
n77(3700-3980)	30	90	662332	120@60	DFT_QPSK	22.1
n77(3700-3980)	30	90	662332	1@1	DFT_QPSK	21.59
n77(3700-3980)	30	90	662332	1@243	DFT_QPSK	22.11
n77(3700-3980)	30	90	662332	240@0	DFT_16QAM	20.59
n77(3700-3980)	30	90	662332	120@60	DFT_16QAM	21.54
n77(3700-3980)	30	90	662332	1@1	DFT_16QAM	21.07
n77(3700-3980)	30	90	662332	1@243	DFT_16QAM	21.65
n77(3700-3980)	30	90	662332	240@0	DFT_64QAM	19.59
n77(3700-3980)	30	90	662332	120@60	DFT_64QAM	19.55
n77(3700-3980)	30	90	662332	1@1	DFT_64QAM	18.95
n77(3700-3980)	30	90	662332	1@243	DFT_64QAM	19.51
n77(3700-3980)	30	90	662332	240@0	DFT_256QAM	17.53
n77(3700-3980)	30	90	662332	120@60	DFT_256QAM	17.52
n77(3700-3980)	30	90	662332	1@1	DFT_256QAM	17.04
n77(3700-3980)	30	90	662332	1@243	DFT_256QAM	17.6
n77(3700-3980)	30	90	662332	245@0	CP_QPSK	19.05
n77(3700-3980)	30	90	662332	123@61	CP_QPSK	21.53
n77(3700-3980)	30	90	662332	1@1	CP_QPSK	21.01
n77(3700-3980)	30	90	662332	1@243	CP_QPSK	21.6
n77(3700-3980)	30	90	662332	245@0	CP_16QAM	19.02
n77(3700-3980)	30	90	662332	123@61	CP_16QAM	20.08
n77(3700-3980)	30	90	662332	1@1	CP_16QAM	19.63
n77(3700-3980)	30	90	662332	1@243	CP_16QAM	20.24
n77(3700-3980)	30	90	662332	245@0	CP_64QAM	18.53
n77(3700-3980)	30	90	662332	123@61	CP_64QAM	18.53
n77(3700-3980)	30	90	662332	1@1	CP_64QAM	18.15
n77(3700-3980)	30	90	662332	1@243	CP_64QAM	18.78
n77(3700-3980)	30	90	662332	245@0	CP_256QAM	15.72
n77(3700-3980)	30	90	662332	123@61	CP_256QAM	15.68
n77(3700-3980)	30	90	662332	1@1	CP_256QAM	15.41
n77(3700-3980)	30	90	662332	1@243	CP_256QAM	16.08



n77(3700-3980)	30	100	650000	270@0	DFT_BPSK	22.93
n77(3700-3980)	30	100	650000	135@67	DFT_BPSK	23.04
n77(3700-3980)	30	100	650000	1@1	DFT_BPSK	22.13
n77(3700-3980)	30	100	650000	1@271	DFT_BPSK	22.61
n77(3700-3980)	30	100	650000	270@0	DFT_QPSK	22.91
n77(3700-3980)	30	100	650000	135@67	DFT_QPSK	23.03
n77(3700-3980)	30	100	650000	1@1	DFT_QPSK	22.16
n77(3700-3980)	30	100	650000	1@271	DFT_QPSK	22.62
n77(3700-3980)	30	100	650000	270@0	DFT_16QAM	21.41
n77(3700-3980)	30	100	650000	135@67	DFT_16QAM	22.54
n77(3700-3980)	30	100	650000	1@1	DFT_16QAM	21.63
n77(3700-3980)	30	100	650000	1@271	DFT_16QAM	22.09
n77(3700-3980)	30	100	650000	270@0	DFT_64QAM	20.38
n77(3700-3980)	30	100	650000	135@67	DFT_64QAM	20.51
n77(3700-3980)	30	100	650000	1@1	DFT_64QAM	19.46
n77(3700-3980)	30	100	650000	1@271	DFT_64QAM	19.95
n77(3700-3980)	30	100	650000	270@0	DFT_256QAM	18.57
n77(3700-3980)	30	100	650000	135@67	DFT_256QAM	18.64
n77(3700-3980)	30	100	650000	1@1	DFT_256QAM	17.97
n77(3700-3980)	30	100	650000	1@271	DFT_256QAM	18.42
n77(3700-3980)	30	100	650000	273@0	CP_QPSK	19.85
n77(3700-3980)	30	100	650000	137@68	CP_QPSK	22.53
n77(3700-3980)	30	100	650000	1@1	CP_QPSK	21.63
n77(3700-3980)	30	100	650000	1@271	CP_QPSK	22.13
n77(3700-3980)	30	100	650000	273@0	CP_16QAM	19.82
n77(3700-3980)	30	100	650000	137@68	CP_16QAM	21.04
n77(3700-3980)	30	100	650000	1@1	CP_16QAM	20.11
n77(3700-3980)	30	100	650000	1@271	CP_16QAM	20.6
n77(3700-3980)	30	100	650000	273@0	CP_64QAM	19.33
n77(3700-3980)	30	100	650000	137@68	CP_64QAM	19.48
n77(3700-3980)	30	100	650000	1@1	CP_64QAM	19.2
n77(3700-3980)	30	100	650000	1@271	CP_64QAM	19.23
n77(3700-3980)	30	100	650000	273@0	CP_256QAM	17.02
n77(3700-3980)	30	100	650000	137@68	CP_256QAM	16.64
n77(3700-3980)	30	100	650000	1@1	CP_256QAM	16.02
n77(3700-3980)	30	100	650000	1@271	CP_256QAM	16.5
n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	22.83
n77(3700-3980)	30	100	656000	135@67	DFT_BPSK	23
n77(3700-3980)	30	100	656000	1@1	DFT_BPSK	21.78
n77(3700-3980)	30	100	656000	1@271	DFT_BPSK	22.43
n77(3700-3980)	30	100	656000	270@0	DFT_QPSK	22.83
n77(3700-3980)	30	100	656000	135@67	DFT_QPSK	23.01
n77(3700-3980)	30	100	656000	1@1	DFT_QPSK	21.8
n77(3700-3980)	30	100	656000	1@271	DFT_QPSK	22.41
n77(3700-3980)	30	100	656000	270@0	DFT_16QAM	21.32
n77(3700-3980)	30	100	656000	135@67	DFT_16QAM	22.44
n77(3700-3980)	30	100	656000	1@1	DFT_16QAM	21.28
n77(3700-3980)	30	100	656000	1@271	DFT_16QAM	21.93
n77(3700-3980)	30	100	656000	270@0	DFT_64QAM	20.3
n77(3700-3980)	30	100	656000	135@67	DFT_64QAM	20.47
n77(3700-3980)	30	100	656000	1@1	DFT_64QAM	19.11
n77(3700-3980)	30	100	656000	1@271	DFT_64QAM	19.75
n77(3700-3980)	30	100	656000	270@0	DFT_256QAM	18.26
n77(3700-3980)	30	100	656000	135@67	DFT_256QAM	18.41
n77(3700-3980)	30	100	656000	1@1	DFT_256QAM	17.61
n77(3700-3980)	30	100	656000	1@271	DFT_256QAM	17.89
n77(3700-3980)	30	100	656000	273@0	CP_QPSK	19.78



n77(3700-3980)	30	100	656000	137@68	CP_QPSK	22.49
n77(3700-3980)	30	100	656000	1@1	CP_QPSK	21.27
n77(3700-3980)	30	100	656000	1@271	CP_QPSK	21.89
n77(3700-3980)	30	100	656000	273@0	CP_16QAM	19.74
n77(3700-3980)	30	100	656000	137@68	CP_16QAM	21.02
n77(3700-3980)	30	100	656000	1@1	CP_16QAM	19.86
n77(3700-3980)	30	100	656000	1@271	CP_16QAM	20.51
n77(3700-3980)	30	100	656000	273@0	CP_64QAM	19.27
n77(3700-3980)	30	100	656000	137@68	CP_64QAM	19.47
n77(3700-3980)	30	100	656000	1@1	CP_64QAM	18.41
n77(3700-3980)	30	100	656000	1@271	CP_64QAM	19.01
n77(3700-3980)	30	100	656000	273@0	CP_256QAM	16.43
n77(3700-3980)	30	100	656000	137@68	CP_256QAM	16.61
n77(3700-3980)	30	100	656000	1@1	CP_256QAM	15.7
n77(3700-3980)	30	100	656000	1@271	CP_256QAM	16.32
n77(3700-3980)	30	100	662000	270@0	DFT_BPSK	22.7
n77(3700-3980)	30	100	662000	135@67	DFT_BPSK	22.71
n77(3700-3980)	30	100	662000	1@1	DFT_BPSK	22.09
n77(3700-3980)	30	100	662000	1@271	DFT_BPSK	22.61
n77(3700-3980)	30	100	662000	270@0	DFT_QPSK	22.68
n77(3700-3980)	30	100	662000	135@67	DFT_QPSK	22.74
n77(3700-3980)	30	100	662000	1@1	DFT_QPSK	22.08
n77(3700-3980)	30	100	662000	1@271	DFT_QPSK	22.58
n77(3700-3980)	30	100	662000	270@0	DFT_16QAM	21.16
n77(3700-3980)	30	100	662000	135@67	DFT_16QAM	22.22
n77(3700-3980)	30	100	662000	1@1	DFT_16QAM	21.6
n77(3700-3980)	30	100	662000	1@271	DFT_16QAM	22.11
n77(3700-3980)	30	100	662000	270@0	DFT_64QAM	20.18
n77(3700-3980)	30	100	662000	135@67	DFT_64QAM	20.21
n77(3700-3980)	30	100	662000	1@1	DFT_64QAM	19.43
n77(3700-3980)	30	100	662000	1@271	DFT_64QAM	19.93
n77(3700-3980)	30	100	662000	270@0	DFT_256QAM	18.15
n77(3700-3980)	30	100	662000	135@67	DFT_256QAM	18.14
n77(3700-3980)	30	100	662000	1@1	DFT_256QAM	17.54
n77(3700-3980)	30	100	662000	1@271	DFT_256QAM	18.06
n77(3700-3980)	30	100	662000	273@0	CP_QPSK	19.64
n77(3700-3980)	30	100	662000	137@68	CP_QPSK	22.19
n77(3700-3980)	30	100	662000	1@1	CP_QPSK	21.57
n77(3700-3980)	30	100	662000	1@271	CP_QPSK	22.04
n77(3700-3980)	30	100	662000	273@0	CP_16QAM	19.62
n77(3700-3980)	30	100	662000	137@68	CP_16QAM	20.71
n77(3700-3980)	30	100	662000	1@1	CP_16QAM	20.15
n77(3700-3980)	30	100	662000	1@271	CP_16QAM	20.69
n77(3700-3980)	30	100	662000	273@0	CP_64QAM	19.11
n77(3700-3980)	30	100	662000	137@68	CP_64QAM	19.15
n77(3700-3980)	30	100	662000	1@1	CP_64QAM	18.73
n77(3700-3980)	30	100	662000	1@271	CP_64QAM	19.23
n77(3700-3980)	30	100	662000	273@0	CP_256QAM	16.31
n77(3700-3980)	30	100	662000	137@68	CP_256QAM	16.32
n77(3700-3980)	30	100	662000	1@1	CP_256QAM	15.94
n77(3700-3980)	30	100	662000	1@271	CP_256QAM	16.49



NSA

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)
n41	30	10	500202	24@0	DFT_BPSK	22.42
n41	30	10	500202	12@6	DFT_BPSK	22.42
n41	30	10	500202	1@1	DFT_BPSK	22.31
n41	30	10	500202	1@22	DFT_BPSK	22.33
n41	30	10	500202	24@0	DFT_QPSK	22.45
n41	30	10	500202	12@6	DFT_QPSK	22.42
n41	30	10	500202	1@1	DFT_QPSK	22.27
n41	30	10	500202	1@22	DFT_QPSK	22.30
n41	30	10	500202	24@0	DFT_16QAM	20.88
n41	30	10	500202	12@6	DFT_16QAM	21.97
n41	30	10	500202	1@1	DFT_16QAM	21.82
n41	30	10	500202	1@22	DFT_16QAM	21.84
n41	30	10	500202	24@0	DFT_64QAM	19.93
n41	30	10	500202	12@6	DFT_64QAM	19.89
n41	30	10	500202	1@1	DFT_64QAM	19.82
n41	30	10	500202	1@22	DFT_64QAM	19.74
n41	30	10	500202	24@0	DFT_256QAM	18.26
n41	30	10	500202	12@6	DFT_256QAM	18.36
n41	30	10	500202	1@1	DFT_256QAM	18.27
n41	30	10	500202	1@22	DFT_256QAM	18.55
n41	30	10	500202	24@0	CP_QPSK	19.74
n41	30	10	500202	12@6	CP_QPSK	22.46
n41	30	10	500202	1@1	CP_QPSK	23.02
n41	30	10	500202	1@22	CP_QPSK	22.82
n41	30	10	500202	24@0	CP_16QAM	19.81
n41	30	10	500202	12@6	CP_16QAM	20.73
n41	30	10	500202	1@1	CP_16QAM	20.52
n41	30	10	500202	1@22	CP_16QAM	20.55
n41	30	10	500202	24@0	CP_64QAM	19.25
n41	30	10	500202	12@6	CP_64QAM	19.26
n41	30	10	500202	1@1	CP_64QAM	19.21
n41	30	10	500202	1@22	CP_64QAM	19.21
n41	30	10	500202	24@0	CP_256QAM	16.24
n41	30	10	500202	12@6	CP_256QAM	16.20
n41	30	10	500202	1@1	CP_256QAM	16.07
n41	30	10	500202	1@22	CP_256QAM	16.06
n41	30	10	518598	24@0	DFT_BPSK	22.19
n41	30	10	518598	12@6	DFT_BPSK	22.83
n41	30	10	518598	1@1	DFT_BPSK	22.78
n41	30	10	518598	1@22	DFT_BPSK	22.74
n41	30	10	518598	24@0	DFT_QPSK	22.87
n41	30	10	518598	12@6	DFT_QPSK	22.82
n41	30	10	518598	1@1	DFT_QPSK	22.73
n41	30	10	518598	1@22	DFT_QPSK	22.69
n41	30	10	518598	24@0	DFT_16QAM	21.32



n41	30	10	518598	12@6	DFT_16QAM	22.38
n41	30	10	518598	1@1	DFT_16QAM	22.61
n41	30	10	518598	1@22	DFT_16QAM	22.60
n41	30	10	518598	24@0	DFT_64QAM	20.37
n41	30	10	518598	12@6	DFT_64QAM	20.33
n41	30	10	518598	1@1	DFT_64QAM	20.08
n41	30	10	518598	1@22	DFT_64QAM	20.07
n41	30	10	518598	24@0	DFT_256QAM	18.32
n41	30	10	518598	12@6	DFT_256QAM	18.22
n41	30	10	518598	1@1	DFT_256QAM	18.19
n41	30	10	518598	1@22	DFT_256QAM	18.17
n41	30	10	518598	24@0	CP_QPSK	19.19
n41	30	10	518598	12@6	CP_QPSK	22.26
n41	30	10	518598	1@1	CP_QPSK	22.45
n41	30	10	518598	1@22	CP_QPSK	22.99
n41	30	10	518598	24@0	CP_16QAM	19.19
n41	30	10	518598	12@6	CP_16QAM	20.82
n41	30	10	518598	1@1	CP_16QAM	20.56
n41	30	10	518598	1@22	CP_16QAM	20.51
n41	30	10	518598	24@0	CP_64QAM	19.35
n41	30	10	518598	12@6	CP_64QAM	19.32
n41	30	10	518598	1@1	CP_64QAM	19.28
n41	30	10	518598	1@22	CP_64QAM	19.24
n41	30	10	518598	24@0	CP_256QAM	16.33
n41	30	10	518598	12@6	CP_256QAM	16.25
n41	30	10	518598	1@1	CP_256QAM	16.13
n41	30	10	518598	1@22	CP_256QAM	16.10
n41	30	10	537000	24@0	DFT_BPSK	22.36
n41	30	10	537000	12@6	DFT_BPSK	22.50
n41	30	10	537000	1@1	DFT_BPSK	22.15
n41	30	10	537000	1@22	DFT_BPSK	22.44
n41	30	10	537000	24@0	DFT_QPSK	22.36
n41	30	10	537000	12@6	DFT_QPSK	22.69
n41	30	10	537000	1@1	DFT_QPSK	22.49
n41	30	10	537000	1@22	DFT_QPSK	22.62
n41	30	10	537000	24@0	DFT_16QAM	21.17
n41	30	10	537000	12@6	DFT_16QAM	22.23
n41	30	10	537000	1@1	DFT_16QAM	22.35
n41	30	10	537000	1@22	DFT_16QAM	22.53
n41	30	10	537000	24@0	DFT_64QAM	20.18
n41	30	10	537000	12@6	DFT_64QAM	20.17
n41	30	10	537000	1@1	DFT_64QAM	19.84
n41	30	10	537000	1@22	DFT_64QAM	19.95
n41	30	10	537000	24@0	DFT_256QAM	18.26
n41	30	10	537000	12@6	DFT_256QAM	18.41
n41	30	10	537000	1@1	DFT_256QAM	18.23
n41	30	10	537000	1@22	DFT_256QAM	18.54
n41	30	10	537000	24@0	CP_QPSK	19.36



n41	30	10	537000	12@6	CP_QPSK	22.14
n41	30	10	537000	1@1	CP_QPSK	22.41
n41	30	10	537000	1@22	CP_QPSK	22.54
n41	30	10	537000	24@0	CP_16QAM	19.71
n41	30	10	537000	12@6	CP_16QAM	20.66
n41	30	10	537000	1@1	CP_16QAM	20.29
n41	30	10	537000	1@22	CP_16QAM	20.43
n41	30	10	537000	24@0	CP_64QAM	19.19
n41	30	10	537000	12@6	CP_64QAM	19.13
n41	30	10	537000	1@1	CP_64QAM	18.97
n41	30	10	537000	1@22	CP_64QAM	19.09
n41	30	10	537000	24@0	CP_256QAM	16.19
n41	30	10	537000	12@6	CP_256QAM	16.10
n41	30	10	537000	1@1	CP_256QAM	15.86
n41	30	10	537000	1@22	CP_256QAM	15.99
n41	30	15	500700	36@0	DFT_BPSK	22.89
n41	30	15	500700	18@9	DFT_BPSK	22.84
n41	30	15	500700	1@1	DFT_BPSK	22.72
n41	30	15	500700	1@36	DFT_BPSK	22.65
n41	30	15	500700	36@0	DFT_QPSK	22.87
n41	30	15	500700	18@9	DFT_QPSK	22.83
n41	30	15	500700	1@1	DFT_QPSK	22.65
n41	30	15	500700	1@36	DFT_QPSK	22.58
n41	30	15	500700	36@0	DFT_16QAM	21.33
n41	30	15	500700	18@9	DFT_16QAM	22.32
n41	30	15	500700	1@1	DFT_16QAM	22.64
n41	30	15	500700	1@36	DFT_16QAM	22.54
n41	30	15	500700	36@0	DFT_64QAM	20.27
n41	30	15	500700	18@9	DFT_64QAM	20.28
n41	30	15	500700	1@1	DFT_64QAM	20.01
n41	30	15	500700	1@36	DFT_64QAM	19.93
n41	30	15	500700	36@0	DFT_256QAM	18.29
n41	30	15	500700	18@9	DFT_256QAM	18.23
n41	30	15	500700	1@1	DFT_256QAM	18.18
n41	30	15	500700	1@36	DFT_256QAM	18.09
n41	30	15	500700	38@0	CP_QPSK	19.81
n41	30	15	500700	19@9	CP_QPSK	22.34
n41	30	15	500700	1@1	CP_QPSK	22.65
n41	30	15	500700	1@36	CP_QPSK	22.56
n41	30	15	500700	38@0	CP_16QAM	19.73
n41	30	15	500700	19@9	CP_16QAM	20.84
n41	30	15	500700	1@1	CP_16QAM	20.42
n41	30	15	500700	1@36	CP_16QAM	20.40
n41	30	15	500700	38@0	CP_64QAM	19.27
n41	30	15	500700	19@9	CP_64QAM	19.29
n41	30	15	500700	1@1	CP_64QAM	19.19
n41	30	15	500700	1@36	CP_64QAM	19.11
n41	30	15	500700	38@0	CP_256QAM	16.24



n41	30	15	500700	19@9	CP_256QAM	16.20
n41	30	15	500700	1@1	CP_256QAM	16.08
n41	30	15	500700	1@36	CP_256QAM	16.00
n41	30	15	518598	36@0	DFT_BPSK	22.72
n41	30	15	518598	18@9	DFT_BPSK	22.86
n41	30	15	518598	1@1	DFT_BPSK	22.79
n41	30	15	518598	1@36	DFT_BPSK	22.71
n41	30	15	518598	36@0	DFT_QPSK	22.89
n41	30	15	518598	18@9	DFT_QPSK	22.89
n41	30	15	518598	1@1	DFT_QPSK	22.73
n41	30	15	518598	1@36	DFT_QPSK	22.65
n41	30	15	518598	36@0	DFT_16QAM	21.34
n41	30	15	518598	18@9	DFT_16QAM	22.37
n41	30	15	518598	1@1	DFT_16QAM	22.68
n41	30	15	518598	1@36	DFT_16QAM	22.61
n41	30	15	518598	36@0	DFT_64QAM	20.31
n41	30	15	518598	18@9	DFT_64QAM	20.33
n41	30	15	518598	1@1	DFT_64QAM	20.06
n41	30	15	518598	1@36	DFT_64QAM	19.99
n41	30	15	518598	36@0	DFT_256QAM	18.32
n41	30	15	518598	18@9	DFT_256QAM	18.27
n41	30	15	518598	1@1	DFT_256QAM	18.23
n41	30	15	518598	1@36	DFT_256QAM	18.16
n41	30	15	518598	38@0	CP_QPSK	20.16
n41	30	15	518598	19@9	CP_QPSK	22.55
n41	30	15	518598	1@1	CP_QPSK	22.36
n41	30	15	518598	1@36	CP_QPSK	22.41
n41	30	15	518598	38@0	CP_16QAM	19.53
n41	30	15	518598	19@9	CP_16QAM	20.87
n41	30	15	518598	1@1	CP_16QAM	20.57
n41	30	15	518598	1@36	CP_16QAM	20.46
n41	30	15	518598	38@0	CP_64QAM	19.36
n41	30	15	518598	19@9	CP_64QAM	19.34
n41	30	15	518598	1@1	CP_64QAM	19.25
n41	30	15	518598	1@36	CP_64QAM	19.18
n41	30	15	518598	38@0	CP_256QAM	16.34
n41	30	15	518598	19@9	CP_256QAM	16.23
n41	30	15	518598	1@1	CP_256QAM	16.10
n41	30	15	518598	1@36	CP_256QAM	16.03
n41	30	15	536496	36@0	DFT_BPSK	22.36
n41	30	15	536496	18@9	DFT_BPSK	22.44
n41	30	15	536496	1@1	DFT_BPSK	22.59
n41	30	15	536496	1@36	DFT_BPSK	22.71
n41	30	15	536496	36@0	DFT_QPSK	22.66
n41	30	15	536496	18@9	DFT_QPSK	22.65
n41	30	15	536496	1@1	DFT_QPSK	22.42
n41	30	15	536496	1@36	DFT_QPSK	22.58
n41	30	15	536496	36@0	DFT_16QAM	21.14



n41	30	15	536496	18@9	DFT_16QAM	22.15
n41	30	15	536496	1@1	DFT_16QAM	22.32
n41	30	15	536496	1@36	DFT_16QAM	22.53
n41	30	15	536496	36@0	DFT_64QAM	20.11
n41	30	15	536496	18@9	DFT_64QAM	20.08
n41	30	15	536496	1@1	DFT_64QAM	19.76
n41	30	15	536496	1@36	DFT_64QAM	19.94
n41	30	15	536496	36@0	DFT_256QAM	18.35
n41	30	15	536496	18@9	DFT_256QAM	18.15
n41	30	15	536496	1@1	DFT_256QAM	18.42
n41	30	15	536496	1@36	DFT_256QAM	18.22
n41	30	15	536496	38@0	CP_QPSK	19.94
n41	30	15	536496	19@9	CP_QPSK	22.26
n41	30	15	536496	1@1	CP_QPSK	22.44
n41	30	15	536496	1@36	CP_QPSK	22.35
n41	30	15	536496	38@0	CP_16QAM	22.77
n41	30	15	536496	19@9	CP_16QAM	20.65
n41	30	15	536496	1@1	CP_16QAM	20.21
n41	30	15	536496	1@36	CP_16QAM	20.40
n41	30	15	536496	38@0	CP_64QAM	19.18
n41	30	15	536496	19@9	CP_64QAM	19.15
n41	30	15	536496	1@1	CP_64QAM	18.93
n41	30	15	536496	1@36	CP_64QAM	19.14
n41	30	15	536496	38@0	CP_256QAM	16.12
n41	30	15	536496	19@9	CP_256QAM	16.00
n41	30	15	536496	1@1	CP_256QAM	15.76
n41	30	15	536496	1@36	CP_256QAM	15.95
n41	30	20	501204	50@0	DFT_BPSK	22.87
n41	30	20	501204	25@12	DFT_BPSK	22.79
n41	30	20	501204	1@1	DFT_BPSK	22.60
n41	30	20	501204	1@49	DFT_BPSK	22.59
n41	30	20	501204	50@0	DFT_QPSK	22.78
n41	30	20	501204	25@12	DFT_QPSK	22.81
n41	30	20	501204	1@1	DFT_QPSK	22.58
n41	30	20	501204	1@49	DFT_QPSK	22.51
n41	30	20	501204	50@0	DFT_16QAM	21.22
n41	30	20	501204	25@12	DFT_16QAM	22.33
n41	30	20	501204	1@1	DFT_16QAM	22.48
n41	30	20	501204	1@49	DFT_16QAM	22.40
n41	30	20	501204	50@0	DFT_64QAM	20.21
n41	30	20	501204	25@12	DFT_64QAM	20.21
n41	30	20	501204	1@1	DFT_64QAM	19.91
n41	30	20	501204	1@49	DFT_64QAM	19.83
n41	30	20	501204	50@0	DFT_256QAM	18.60
n41	30	20	501204	25@12	DFT_256QAM	18.33
n41	30	20	501204	1@1	DFT_256QAM	18.26
n41	30	20	501204	1@49	DFT_256QAM	18.40
n41	30	20	501204	51@0	CP_QPSK	19.99



n41	30	20	501204	25@12	CP_QPSK	22.34
n41	30	20	501204	1@1	CP_QPSK	22.51
n41	30	20	501204	1@49	CP_QPSK	22.44
n41	30	20	501204	51@0	CP_16QAM	19.71
n41	30	20	501204	25@12	CP_16QAM	20.81
n41	30	20	501204	1@1	CP_16QAM	20.35
n41	30	20	501204	1@49	CP_16QAM	20.34
n41	30	20	501204	51@0	CP_64QAM	19.17
n41	30	20	501204	25@12	CP_64QAM	19.25
n41	30	20	501204	1@1	CP_64QAM	19.07
n41	30	20	501204	1@49	CP_64QAM	19.01
n41	30	20	501204	51@0	CP_256QAM	16.15
n41	30	20	501204	25@12	CP_256QAM	16.20
n41	30	20	501204	1@1	CP_256QAM	16.01
n41	30	20	501204	1@49	CP_256QAM	15.94
n41	30	20	518598	50@0	DFT_BPSK	22.84
n41	30	20	518598	25@12	DFT_BPSK	22.88
n41	30	20	518598	1@1	DFT_BPSK	22.66
n41	30	20	518598	1@49	DFT_BPSK	22.65
n41	30	20	518598	50@0	DFT_QPSK	22.86
n41	30	20	518598	25@12	DFT_QPSK	22.90
n41	30	20	518598	1@1	DFT_QPSK	22.61
n41	30	20	518598	1@49	DFT_QPSK	22.58
n41	30	20	518598	50@0	DFT_16QAM	21.31
n41	30	20	518598	25@12	DFT_16QAM	22.42
n41	30	20	518598	1@1	DFT_16QAM	22.57
n41	30	20	518598	1@49	DFT_16QAM	22.54
n41	30	20	518598	50@0	DFT_64QAM	20.32
n41	30	20	518598	25@12	DFT_64QAM	20.29
n41	30	20	518598	1@1	DFT_64QAM	19.94
n41	30	20	518598	1@49	DFT_64QAM	19.91
n41	30	20	518598	50@0	DFT_256QAM	18.63
n41	30	20	518598	25@12	DFT_256QAM	18.25
n41	30	20	518598	1@1	DFT_256QAM	18.44
n41	30	20	518598	1@49	DFT_256QAM	18.22
n41	30	20	518598	51@0	CP_QPSK	19.86
n41	30	20	518598	25@12	CP_QPSK	22.38
n41	30	20	518598	1@1	CP_QPSK	22.54
n41	30	20	518598	1@49	CP_QPSK	22.50
n41	30	20	518598	51@0	CP_16QAM	19.78
n41	30	20	518598	25@12	CP_16QAM	20.89
n41	30	20	518598	1@1	CP_16QAM	20.50
n41	30	20	518598	1@49	CP_16QAM	20.46
n41	30	20	518598	51@0	CP_64QAM	19.28
n41	30	20	518598	25@12	CP_64QAM	19.32
n41	30	20	518598	1@1	CP_64QAM	19.13
n41	30	20	518598	1@49	CP_64QAM	19.07
n41	30	20	518598	51@0	CP_256QAM	16.23



n41	30	20	518598	25@12	CP_256QAM	16.28
n41	30	20	518598	1@1	CP_256QAM	16.00
n41	30	20	518598	1@49	CP_256QAM	15.98
n41	30	20	535998	50@0	DFT_BPSK	22.36
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n41	30	20	535998	1@1	DFT_BPSK	22.46
n41	30	20	535998	1@49	DFT_BPSK	22.64
n41	30	20	535998	50@0	DFT_QPSK	22.69
n41	30	20	535998	25@12	DFT_QPSK	22.70
n41	30	20	535998	1@1	DFT_QPSK	22.40
n41	30	20	535998	1@49	DFT_QPSK	22.56
n41	30	20	535998	50@0	DFT_16QAM	21.14
n41	30	20	535998	25@12	DFT_16QAM	22.21
n41	30	20	535998	1@1	DFT_16QAM	22.29
n41	30	20	535998	1@49	DFT_16QAM	22.45
n41	30	20	535998	50@0	DFT_64QAM	20.14
n41	30	20	535998	25@12	DFT_64QAM	20.08
n41	30	20	535998	1@1	DFT_64QAM	19.72
n41	30	20	535998	1@49	DFT_64QAM	19.88
n41	30	20	535998	50@0	DFT_256QAM	18.26
n41	30	20	535998	25@12	DFT_256QAM	18.11
n41	30	20	535998	1@1	DFT_256QAM	18.36
n41	30	20	535998	1@49	DFT_256QAM	18.41
n41	30	20	535998	51@0	CP_QPSK	19.89
n41	30	20	535998	25@12	CP_QPSK	22.18
n41	30	20	535998	1@1	CP_QPSK	22.26
n41	30	20	535998	1@49	CP_QPSK	22.48
n41	30	20	535998	51@0	CP_16QAM	19.62
n41	30	20	535998	25@12	CP_16QAM	20.71
n41	30	20	535998	1@1	CP_16QAM	20.29
n41	30	20	535998	1@49	CP_16QAM	20.45
n41	30	20	535998	51@0	CP_64QAM	19.13
n41	30	20	535998	25@12	CP_64QAM	19.12
n41	30	20	535998	1@1	CP_64QAM	18.90
n41	30	20	535998	1@49	CP_64QAM	19.07
n41	30	20	535998	51@0	CP_256QAM	16.10
n41	30	20	535998	25@12	CP_256QAM	16.07
n41	30	20	535998	1@1	CP_256QAM	15.80
n41	30	20	535998	1@49	CP_256QAM	15.97
n41	30	30	502200	75@0	DFT_BPSK	22.69
n41	30	30	502200	36@18	DFT_BPSK	22.85
n41	30	30	502200	1@1	DFT_BPSK	22.54
n41	30	30	502200	1@76	DFT_BPSK	22.45
n41	30	30	502200	75@0	DFT_QPSK	22.78
n41	30	30	502200	36@18	DFT_QPSK	22.89
n41	30	30	502200	1@1	DFT_QPSK	22.48
n41	30	30	502200	1@76	DFT_QPSK	22.38
n41	30	30	502200	75@0	DFT_16QAM	21.27



n41	30	30	502200	36@18	DFT_16QAM	22.40
n41	30	30	502200	1@1	DFT_16QAM	22.39
n41	30	30	502200	1@76	DFT_16QAM	22.25
n41	30	30	502200	75@0	DFT_64QAM	20.25
n41	30	30	502200	36@18	DFT_64QAM	20.30
n41	30	30	502200	1@1	DFT_64QAM	19.88
n41	30	30	502200	1@76	DFT_64QAM	19.76
n41	30	30	502200	75@0	DFT_256QAM	18.26
n41	30	30	502200	36@18	DFT_256QAM	18.44
n41	30	30	502200	1@1	DFT_256QAM	18.22
n41	30	30	502200	1@76	DFT_256QAM	18.21
n41	30	30	502200	78@0	CP_QPSK	19.70
n41	30	30	502200	39@19	CP_QPSK	22.41
n41	30	30	502200	1@1	CP_QPSK	22.35
n41	30	30	502200	1@76	CP_QPSK	22.20
n41	30	30	502200	78@0	CP_16QAM	19.72
n41	30	30	502200	39@19	CP_16QAM	20.90
n41	30	30	502200	1@1	CP_16QAM	20.27
n41	30	30	502200	1@76	CP_16QAM	20.20
n41	30	30	502200	78@0	CP_64QAM	19.20
n41	30	30	502200	39@19	CP_64QAM	19.29
n41	30	30	502200	1@1	CP_64QAM	19.00
n41	30	30	502200	1@76	CP_64QAM	18.89
n41	30	30	502200	78@0	CP_256QAM	16.18
n41	30	30	502200	39@19	CP_256QAM	16.25
n41	30	30	502200	1@1	CP_256QAM	15.92
n41	30	30	502200	1@76	CP_256QAM	15.80
n41	30	30	518598	75@0	DFT_BPSK	22.69
n41	30	30	518598	36@18	DFT_BPSK	22.86
n41	30	30	518598	1@1	DFT_BPSK	22.53
n41	30	30	518598	1@76	DFT_BPSK	22.52
n41	30	30	518598	75@0	DFT_QPSK	22.83
n41	30	30	518598	36@18	DFT_QPSK	22.91
n41	30	30	518598	1@1	DFT_QPSK	22.45
n41	30	30	518598	1@76	DFT_QPSK	22.47
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n41	30	30	518598	1@1	DFT_16QAM	22.32
n41	30	30	518598	1@76	DFT_16QAM	22.35
n41	30	30	518598	75@0	DFT_64QAM	20.29
n41	30	30	518598	36@18	DFT_64QAM	20.32
n41	30	30	518598	1@1	DFT_64QAM	19.83
n41	30	30	518598	1@76	DFT_64QAM	19.84
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n41	30	30	518598	1@1	DFT_256QAM	18.42
n41	30	30	518598	1@76	DFT_256QAM	18.66
n41	30	30	518598	78@0	CP_QPSK	18.06



n41	30	30	518598	39@19	CP_QPSK	22.41
n41	30	30	518598	1@1	CP_QPSK	22.43
n41	30	30	518598	1@76	CP_QPSK	22.37
n41	30	30	518598	78@0	CP_16QAM	19.75
n41	30	30	518598	39@19	CP_16QAM	20.91
n41	30	30	518598	1@1	CP_16QAM	20.36
n41	30	30	518598	1@76	CP_16QAM	20.24
n41	30	30	518598	78@0	CP_64QAM	19.28
n41	30	30	518598	39@19	CP_64QAM	19.30
n41	30	30	518598	1@1	CP_64QAM	19.00
n41	30	30	518598	1@76	CP_64QAM	18.92
n41	30	30	518598	78@0	CP_256QAM	16.22
n41	30	30	518598	39@19	CP_256QAM	16.29
n41	30	30	518598	1@1	CP_256QAM	15.92
n41	30	30	518598	1@76	CP_256QAM	15.86
n41	30	30	534996	75@0	DFT_BPSK	22.63
n41	30	30	534996	36@18	DFT_BPSK	22.70
n41	30	30	534996	1@1	DFT_BPSK	22.42
n41	30	30	534996	1@76	DFT_BPSK	22.47
n41	30	30	534996	75@0	DFT_QPSK	22.66
n41	30	30	534996	36@18	DFT_QPSK	22.74
n41	30	30	534996	1@1	DFT_QPSK	22.36
n41	30	30	534996	1@76	DFT_QPSK	22.43
n41	30	30	534996	75@0	DFT_16QAM	21.13
n41	30	30	534996	36@18	DFT_16QAM	22.25
n41	30	30	534996	1@1	DFT_16QAM	22.19
n41	30	30	534996	1@76	DFT_16QAM	22.27
n41	30	30	534996	75@0	DFT_64QAM	20.14
n41	30	30	534996	36@18	DFT_64QAM	20.20
n41	30	30	534996	1@1	DFT_64QAM	19.72
n41	30	30	534996	1@76	DFT_64QAM	19.82
n41	30	30	534996	75@0	DFT_256QAM	18.14
n41	30	30	534996	36@18	DFT_256QAM	18.25
n41	30	30	534996	1@1	DFT_256QAM	18.22
n41	30	30	534996	1@76	DFT_256QAM	18.36
n41	30	30	534996	78@0	CP_QPSK	19.72
n41	30	30	534996	39@19	CP_QPSK	22.23
n41	30	30	534996	1@1	CP_QPSK	22.28
n41	30	30	534996	1@76	CP_QPSK	22.40
n41	30	30	534996	78@0	CP_16QAM	19.59
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n41	30	30	534996	1@1	CP_16QAM	20.24
n41	30	30	534996	1@76	CP_16QAM	20.27
n41	30	30	534996	78@0	CP_64QAM	19.09
n41	30	30	534996	39@19	CP_64QAM	19.15
n41	30	30	534996	1@1	CP_64QAM	18.85
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n41	30	30	534996	78@0	CP_256QAM	16.05



n41	30	30	534996	39@19	CP_256QAM	16.12
n41	30	30	534996	1@1	CP_256QAM	15.75
n41	30	30	534996	1@76	CP_256QAM	15.80
n41	30	40	503202	100@0	DFT_BPSK	22.63
n41	30	40	503202	50@25	DFT_BPSK	22.79
n41	30	40	503202	1@1	DFT_BPSK	22.32
n41	30	40	503202	1@104	DFT_BPSK	22.23
n41	30	40	503202	100@0	DFT_QPSK	22.64
n41	30	40	503202	50@25	DFT_QPSK	22.81
n41	30	40	503202	1@1	DFT_QPSK	22.26
n41	30	40	503202	1@104	DFT_QPSK	22.16
n41	30	40	503202	100@0	DFT_16QAM	21.15
n41	30	40	503202	50@25	DFT_16QAM	22.28
n41	30	40	503202	1@1	DFT_16QAM	22.16
n41	30	40	503202	1@104	DFT_16QAM	22.00
n41	30	40	503202	100@0	DFT_64QAM	20.14
n41	30	40	503202	50@25	DFT_64QAM	20.26
n41	30	40	503202	1@1	DFT_64QAM	19.62
n41	30	40	503202	1@104	DFT_64QAM	19.51
n41	30	40	503202	100@0	DFT_256QAM	18.12
n41	30	40	503202	50@25	DFT_256QAM	18.42
n41	30	40	503202	1@1	DFT_256QAM	18.25
n41	30	40	503202	1@104	DFT_256QAM	18.55
n41	30	40	503202	106@0	CP_QPSK	19.89
n41	30	40	503202	53@26	CP_QPSK	22.25
n41	30	40	503202	1@1	CP_QPSK	22.15
n41	30	40	503202	1@104	CP_QPSK	22.02
n41	30	40	503202	106@0	CP_16QAM	19.61
n41	30	40	503202	53@26	CP_16QAM	20.73
n41	30	40	503202	1@1	CP_16QAM	20.18
n41	30	40	503202	1@104	CP_16QAM	20.10
n41	30	40	503202	106@0	CP_64QAM	19.14
n41	30	40	503202	53@26	CP_64QAM	19.22
n41	30	40	503202	1@1	CP_64QAM	18.76
n41	30	40	503202	1@104	CP_64QAM	18.68
n41	30	40	503202	106@0	CP_256QAM	16.08
n41	30	40	503202	53@26	CP_256QAM	16.21
n41	30	40	503202	1@1	CP_256QAM	15.76
n41	30	40	503202	1@104	CP_256QAM	15.62
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n41	30	40	518598	50@25	DFT_BPSK	22.85
n41	30	40	518598	1@1	DFT_BPSK	22.79
n41	30	40	518598	1@104	DFT_BPSK	22.77
n41	30	40	518598	100@0	DFT_QPSK	22.75
n41	30	40	518598	50@25	DFT_QPSK	22.89
n41	30	40	518598	1@1	DFT_QPSK	22.23
n41	30	40	518598	1@104	DFT_QPSK	22.23
n41	30	40	518598	100@0	DFT_16QAM	21.26



n41	30	40	518598	50@25	DFT_16QAM	22.39
n41	30	40	518598	1@1	DFT_16QAM	22.07
n41	30	40	518598	1@104	DFT_16QAM	22.05
n41	30	40	518598	100@0	DFT_64QAM	20.21
n41	30	40	518598	50@25	DFT_64QAM	20.34
n41	30	40	518598	1@1	DFT_64QAM	19.56
n41	30	40	518598	1@104	DFT_64QAM	19.58
n41	30	40	518598	100@0	DFT_256QAM	18.11
n41	30	40	518598	50@25	DFT_256QAM	18.42
n41	30	40	518598	1@1	DFT_256QAM	18.36
n41	30	40	518598	1@104	DFT_256QAM	18.46
n41	30	40	518598	106@0	CP_QPSK	19.98
n41	30	40	518598	53@26	CP_QPSK	22.33
n41	30	40	518598	1@1	CP_QPSK	22.08
n41	30	40	518598	1@104	CP_QPSK	22.12
n41	30	40	518598	106@0	CP_16QAM	19.69
n41	30	40	518598	53@26	CP_16QAM	20.81
n41	30	40	518598	1@1	CP_16QAM	20.18
n41	30	40	518598	1@104	CP_16QAM	20.18
n41	30	40	518598	106@0	CP_64QAM	19.21
n41	30	40	518598	53@26	CP_64QAM	19.31
n41	30	40	518598	1@1	CP_64QAM	18.77
n41	30	40	518598	1@104	CP_64QAM	18.76
n41	30	40	518598	106@0	CP_256QAM	16.16
n41	30	40	518598	53@26	CP_256QAM	16.31
n41	30	40	518598	1@1	CP_256QAM	15.71
n41	30	40	518598	1@104	CP_256QAM	15.67
n41	30	40	534000	100@0	DFT_BPSK	22.85
n41	30	40	534000	50@25	DFT_BPSK	22.74
n41	30	40	534000	1@1	DFT_BPSK	22.18
n41	30	40	534000	1@104	DFT_BPSK	22.29
n41	30	40	534000	100@0	DFT_QPSK	22.59
n41	30	40	534000	50@25	DFT_QPSK	22.77
n41	30	40	534000	1@1	DFT_QPSK	22.12
n41	30	40	534000	1@104	DFT_QPSK	22.25
n41	30	40	534000	100@0	DFT_16QAM	21.09
n41	30	40	534000	50@25	DFT_16QAM	22.24
n41	30	40	534000	1@1	DFT_16QAM	21.96
n41	30	40	534000	1@104	DFT_16QAM	22.10
n41	30	40	534000	100@0	DFT_64QAM	20.08
n41	30	40	534000	50@25	DFT_64QAM	20.22
n41	30	40	534000	1@1	DFT_64QAM	19.49
n41	30	40	534000	1@104	DFT_64QAM	19.62
n41	30	40	534000	100@0	DFT_256QAM	18.26
n41	30	40	534000	50@25	DFT_256QAM	18.33
n41	30	40	534000	1@1	DFT_256QAM	18.16
n41	30	40	534000	1@104	DFT_256QAM	18.06
n41	30	40	534000	106@0	CP_QPSK	19.96



n41	30	40	534000	53@26	CP_QPSK	22.20
n41	30	40	534000	1@1	CP_QPSK	21.95
n41	30	40	534000	1@104	CP_QPSK	22.08
n41	30	40	534000	106@0	CP_16QAM	19.59
n41	30	40	534000	53@26	CP_16QAM	20.67
n41	30	40	534000	1@1	CP_16QAM	20.06
n41	30	40	534000	1@104	CP_16QAM	20.16
n41	30	40	534000	106@0	CP_64QAM	19.09
n41	30	40	534000	53@26	CP_64QAM	19.16
n41	30	40	534000	1@1	CP_64QAM	18.64
n41	30	40	534000	1@104	CP_64QAM	18.77
n41	30	40	534000	106@0	CP_256QAM	16.06
n41	30	40	534000	53@26	CP_256QAM	16.18
n41	30	40	534000	1@1	CP_256QAM	15.59
n41	30	40	534000	1@104	CP_256QAM	15.68
n41	30	50	504204	128@0	DFT_BPSK	22.96
n41	30	50	504204	64@32	DFT_BPSK	22.82
n41	30	50	504204	1@1	DFT_BPSK	22.65
n41	30	50	504204	1@131	DFT_BPSK	22.54
n41	30	50	504204	128@0	DFT_QPSK	22.70
n41	30	50	504204	64@32	DFT_QPSK	22.83
n41	30	50	504204	1@1	DFT_QPSK	22.58
n41	30	50	504204	1@131	DFT_QPSK	22.47
n41	30	50	504204	128@0	DFT_16QAM	21.22
n41	30	50	504204	64@32	DFT_16QAM	22.35
n41	30	50	504204	1@1	DFT_16QAM	22.45
n41	30	50	504204	1@131	DFT_16QAM	22.30
n41	30	50	504204	128@0	DFT_64QAM	20.19
n41	30	50	504204	64@32	DFT_64QAM	20.30
n41	30	50	504204	1@1	DFT_64QAM	19.94
n41	30	50	504204	1@131	DFT_64QAM	19.82
n41	30	50	504204	128@0	DFT_256QAM	18.26
n41	30	50	504204	64@32	DFT_256QAM	18.45
n41	30	50	504204	1@1	DFT_256QAM	18.25
n41	30	50	504204	1@131	DFT_256QAM	18.71
n41	30	50	504204	133@0	CP_QPSK	19.86
n41	30	50	504204	67@33	CP_QPSK	22.30
n41	30	50	504204	1@1	CP_QPSK	22.69
n41	30	50	504204	1@131	CP_QPSK	22.85
n41	30	50	504204	133@0	CP_16QAM	19.71
n41	30	50	504204	67@33	CP_16QAM	20.80
n41	30	50	504204	1@1	CP_16QAM	20.39
n41	30	50	504204	1@131	CP_16QAM	20.32
n41	30	50	504204	133@0	CP_64QAM	19.23
n41	30	50	504204	67@33	CP_64QAM	19.33
n41	30	50	504204	1@1	CP_64QAM	19.07
n41	30	50	504204	1@131	CP_64QAM	18.95
n41	30	50	504204	133@0	CP_256QAM	16.17



n41	30	50	504204	67@33	CP_256QAM	16.26
n41	30	50	504204	1@1	CP_256QAM	16.02
n41	30	50	504204	1@131	CP_256QAM	15.86
n41	30	50	518598	128@0	DFT_BPSK	22.36
n41	30	50	518598	64@32	DFT_BPSK	22.89
n41	30	50	518598	1@1	DFT_BPSK	22.61
n41	30	50	518598	1@131	DFT_BPSK	22.66
n41	30	50	518598	128@0	DFT_QPSK	22.82
n41	30	50	518598	64@32	DFT_QPSK	22.90
n41	30	50	518598	1@1	DFT_QPSK	22.54
n41	30	50	518598	1@131	DFT_QPSK	22.60
n41	30	50	518598	128@0	DFT_16QAM	21.32
n41	30	50	518598	64@32	DFT_16QAM	22.43
n41	30	50	518598	1@1	DFT_16QAM	22.41
n41	30	50	518598	1@131	DFT_16QAM	22.50
n41	30	50	518598	128@0	DFT_64QAM	20.30
n41	30	50	518598	64@32	DFT_64QAM	20.36
n41	30	50	518598	1@1	DFT_64QAM	19.85
n41	30	50	518598	1@131	DFT_64QAM	19.92
n41	30	50	518598	128@0	DFT_256QAM	18.26
n41	30	50	518598	64@32	DFT_256QAM	18.14
n41	30	50	518598	1@1	DFT_256QAM	18.42
n41	30	50	518598	1@131	DFT_256QAM	18.36
n41	30	50	518598	133@0	CP_QPSK	19.85
n41	30	50	518598	67@33	CP_QPSK	22.13
n41	30	50	518598	1@1	CP_QPSK	22.56
n41	30	50	518598	1@131	CP_QPSK	22.71
n41	30	50	518598	133@0	CP_16QAM	22.36
n41	30	50	518598	67@33	CP_16QAM	20.87
n41	30	50	518598	1@1	CP_16QAM	20.38
n41	30	50	518598	1@131	CP_16QAM	20.39
n41	30	50	518598	133@0	CP_64QAM	19.35
n41	30	50	518598	67@33	CP_64QAM	19.39
n41	30	50	518598	1@1	CP_64QAM	19.07
n41	30	50	518598	1@131	CP_64QAM	19.11
n41	30	50	518598	133@0	CP_256QAM	16.27
n41	30	50	518598	67@33	CP_256QAM	16.34
n41	30	50	518598	1@1	CP_256QAM	15.95
n41	30	50	518598	1@131	CP_256QAM	15.97
n41	30	50	532998	128@0	DFT_BPSK	22.68
n41	30	50	532998	64@32	DFT_BPSK	22.75
n41	30	50	532998	1@1	DFT_BPSK	22.49
n41	30	50	532998	1@131	DFT_BPSK	22.59
n41	30	50	532998	128@0	DFT_QPSK	22.62
n41	30	50	532998	64@32	DFT_QPSK	22.77
n41	30	50	532998	1@1	DFT_QPSK	22.45
n41	30	50	532998	1@131	DFT_QPSK	22.50
n41	30	50	532998	128@0	DFT_16QAM	21.15



n41	30	50	532998	64@32	DFT_16QAM	22.29
n41	30	50	532998	1@1	DFT_16QAM	22.31
n41	30	50	532998	1@131	DFT_16QAM	22.37
n41	30	50	532998	128@0	DFT_64QAM	20.11
n41	30	50	532998	64@32	DFT_64QAM	20.25
n41	30	50	532998	1@1	DFT_64QAM	19.74
n41	30	50	532998	1@131	DFT_64QAM	19.84
n41	30	50	532998	128@0	DFT_256QAM	18.16
n41	30	50	532998	64@32	DFT_256QAM	18.26
n41	30	50	532998	1@1	DFT_256QAM	18.25
n41	30	50	532998	1@131	DFT_256QAM	18.36
n41	30	50	532998	133@0	CP_QPSK	19.68
n41	30	50	532998	67@33	CP_QPSK	22.25
n41	30	50	532998	1@1	CP_QPSK	22.31
n41	30	50	532998	1@131	CP_QPSK	22.43
n41	30	50	532998	133@0	CP_16QAM	19.61
n41	30	50	532998	67@33	CP_16QAM	20.74
n41	30	50	532998	1@1	CP_16QAM	20.30
n41	30	50	532998	1@131	CP_16QAM	20.45
n41	30	50	532998	133@0	CP_64QAM	19.12
n41	30	50	532998	67@33	CP_64QAM	19.25
n41	30	50	532998	1@1	CP_64QAM	18.92
n41	30	50	532998	1@131	CP_64QAM	19.03
n41	30	50	532998	133@0	CP_256QAM	16.08
n41	30	50	532998	67@33	CP_256QAM	16.19
n41	30	50	532998	1@1	CP_256QAM	15.82
n41	30	50	532998	1@131	CP_256QAM	15.94
n41	30	60	505200	162@0	DFT_BPSK	22.64
n41	30	60	505200	81@40	DFT_BPSK	22.81
n41	30	60	505200	1@1	DFT_BPSK	22.46
n41	30	60	505200	1@160	DFT_BPSK	22.38
n41	30	60	505200	162@0	DFT_QPSK	22.70
n41	30	60	505200	81@40	DFT_QPSK	22.81
n41	30	60	505200	1@1	DFT_QPSK	22.41
n41	30	60	505200	1@160	DFT_QPSK	22.32
n41	30	60	505200	162@0	DFT_16QAM	21.20
n41	30	60	505200	81@40	DFT_16QAM	22.33
n41	30	60	505200	1@1	DFT_16QAM	22.25
n41	30	60	505200	1@160	DFT_16QAM	22.13
n41	30	60	505200	162@0	DFT_64QAM	20.15
n41	30	60	505200	81@40	DFT_64QAM	20.30
n41	30	60	505200	1@1	DFT_64QAM	19.77
n41	30	60	505200	1@160	DFT_64QAM	19.69
n41	30	60	505200	162@0	DFT_256QAM	18.12
n41	30	60	505200	81@40	DFT_256QAM	18.28
n41	30	60	505200	1@1	DFT_256QAM	17.91
n41	30	60	505200	1@160	DFT_256QAM	17.85
n41	30	60	505200	162@0	CP_QPSK	19.65



n41	30	60	505200	81@40	CP_QPSK	22.13
n41	30	60	505200	1@1	CP_QPSK	22.26
n41	30	60	505200	1@160	CP_QPSK	22.27
n41	30	60	505200	162@0	CP_16QAM	19.62
n41	30	60	505200	81@40	CP_16QAM	20.89
n41	30	60	505200	1@1	CP_16QAM	20.19
n41	30	60	505200	1@160	CP_16QAM	20.14
n41	30	60	505200	162@0	CP_64QAM	19.15
n41	30	60	505200	81@40	CP_64QAM	19.27
n41	30	60	505200	1@1	CP_64QAM	18.94
n41	30	60	505200	1@160	CP_64QAM	18.84
n41	30	60	505200	162@0	CP_256QAM	16.09
n41	30	60	505200	81@40	CP_256QAM	16.27
n41	30	60	505200	1@1	CP_256QAM	15.82
n41	30	60	505200	1@160	CP_256QAM	15.73
n41	30	60	518598	162@0	DFT_BPSK	22.33
n41	30	60	518598	81@40	DFT_BPSK	22.24
n41	30	60	518598	1@1	DFT_BPSK	22.58
n41	30	60	518598	1@160	DFT_BPSK	22.88
n41	30	60	518598	162@0	DFT_QPSK	22.86
n41	30	60	518598	81@40	DFT_QPSK	22.90
n41	30	60	518598	1@1	DFT_QPSK	22.41
n41	30	60	518598	1@160	DFT_QPSK	22.45
n41	30	60	518598	162@0	DFT_16QAM	21.34
n41	30	60	518598	81@40	DFT_16QAM	22.39
n41	30	60	518598	1@1	DFT_16QAM	22.20
n41	30	60	518598	1@160	DFT_16QAM	22.29
n41	30	60	518598	162@0	DFT_64QAM	20.26
n41	30	60	518598	81@40	DFT_64QAM	20.38
n41	30	60	518598	1@1	DFT_64QAM	19.74
n41	30	60	518598	1@160	DFT_64QAM	19.81
n41	30	60	518598	162@0	DFT_256QAM	18.26
n41	30	60	518598	81@40	DFT_256QAM	18.33
n41	30	60	518598	1@1	DFT_256QAM	18.14
n41	30	60	518598	1@160	DFT_256QAM	18.25
n41	30	60	518598	162@0	CP_QPSK	19.55
n41	30	60	518598	81@40	CP_QPSK	22.16
n41	30	60	518598	1@1	CP_QPSK	22.55
n41	30	60	518598	1@160	CP_QPSK	22.87
n41	30	60	518598	162@0	CP_16QAM	19.78
n41	30	60	518598	81@40	CP_16QAM	20.94
n41	30	60	518598	1@1	CP_16QAM	20.27
n41	30	60	518598	1@160	CP_16QAM	20.33
n41	30	60	518598	162@0	CP_64QAM	19.28
n41	30	60	518598	81@40	CP_64QAM	19.36
n41	30	60	518598	1@1	CP_64QAM	18.90
n41	30	60	518598	1@160	CP_64QAM	18.95
n41	30	60	518598	162@0	CP_256QAM	16.22



n41	30	60	518598	81@40	CP_256QAM	16.34
n41	30	60	518598	1@1	CP_256QAM	15.83
n41	30	60	518598	1@160	CP_256QAM	15.87
n41	30	60	531996	162@0	DFT_BPSK	22.69
n41	30	60	531996	81@40	DFT_BPSK	22.85
n41	30	60	531996	1@1	DFT_BPSK	22.76
n41	30	60	531996	1@160	DFT_BPSK	22.76
n41	30	60	531996	162@0	DFT_QPSK	22.61
n41	30	60	531996	81@40	DFT_QPSK	22.77
n41	30	60	531996	1@1	DFT_QPSK	22.29
n41	30	60	531996	1@160	DFT_QPSK	22.39
n41	30	60	531996	162@0	DFT_16QAM	21.11
n41	30	60	531996	81@40	DFT_16QAM	22.28
n41	30	60	531996	1@1	DFT_16QAM	22.20
n41	30	60	531996	1@160	DFT_16QAM	22.24
n41	30	60	531996	162@0	DFT_64QAM	20.04
n41	30	60	531996	81@40	DFT_64QAM	20.24
n41	30	60	531996	1@1	DFT_64QAM	19.64
n41	30	60	531996	1@160	DFT_64QAM	19.71
n41	30	60	531996	162@0	DFT_256QAM	18.33
n41	30	60	531996	81@40	DFT_256QAM	18.22
n41	30	60	531996	1@1	DFT_256QAM	18.25
n41	30	60	531996	1@160	DFT_256QAM	18.42
n41	30	60	531996	162@0	CP_QPSK	19.88
n41	30	60	531996	81@40	CP_QPSK	22.31
n41	30	60	531996	1@1	CP_QPSK	22.26
n41	30	60	531996	1@160	CP_QPSK	22.28
n41	30	60	531996	162@0	CP_16QAM	19.53
n41	30	60	531996	81@40	CP_16QAM	20.79
n41	30	60	531996	1@1	CP_16QAM	20.11
n41	30	60	531996	1@160	CP_16QAM	20.19
n41	30	60	531996	162@0	CP_64QAM	19.06
n41	30	60	531996	81@40	CP_64QAM	19.22
n41	30	60	531996	1@1	CP_64QAM	18.81
n41	30	60	531996	1@160	CP_64QAM	18.89
n41	30	60	531996	162@0	CP_256QAM	16.02
n41	30	60	531996	81@40	CP_256QAM	16.21
n41	30	60	531996	1@1	CP_256QAM	15.67
n41	30	60	531996	1@160	CP_256QAM	15.76
n41	30	80	507204	216@0	DFT_BPSK	22.56
n41	30	80	507204	108@54	DFT_BPSK	22.32
n41	30	80	507204	1@1	DFT_BPSK	21.89
n41	30	80	507204	1@215	DFT_BPSK	21.70
n41	30	80	507204	216@0	DFT_QPSK	22.18
n41	30	80	507204	108@54	DFT_QPSK	22.36
n41	30	80	507204	1@1	DFT_QPSK	21.80
n41	30	80	507204	1@215	DFT_QPSK	21.66
n41	30	80	507204	216@0	DFT_16QAM	20.70



n41	30	80	507204	108@54	DFT_16QAM	21.91
n41	30	80	507204	1@1	DFT_16QAM	21.90
n41	30	80	507204	1@215	DFT_16QAM	21.62
n41	30	80	507204	216@0	DFT_64QAM	19.67
n41	30	80	507204	108@54	DFT_64QAM	19.82
n41	30	80	507204	1@1	DFT_64QAM	19.17
n41	30	80	507204	1@215	DFT_64QAM	18.99
n41	30	80	507204	216@0	DFT_256QAM	18.25
n41	30	80	507204	108@54	DFT_256QAM	18.14
n41	30	80	507204	1@1	DFT_256QAM	18.22
n41	30	80	507204	1@215	DFT_256QAM	18.36
n41	30	80	507204	217@0	CP_QPSK	19.63
n41	30	80	507204	109@54	CP_QPSK	21.85
n41	30	80	507204	1@1	CP_QPSK	21.36
n41	30	80	507204	1@215	CP_QPSK	21.22
n41	30	80	507204	217@0	CP_16QAM	19.10
n41	30	80	507204	109@54	CP_16QAM	20.38
n41	30	80	507204	1@1	CP_16QAM	19.69
n41	30	80	507204	1@215	CP_16QAM	19.57
n41	30	80	507204	217@0	CP_64QAM	18.64
n41	30	80	507204	109@54	CP_64QAM	18.80
n41	30	80	507204	1@1	CP_64QAM	18.38
n41	30	80	507204	1@215	CP_64QAM	18.17
n41	30	80	507204	217@0	CP_256QAM	15.62
n41	30	80	507204	109@54	CP_256QAM	15.81
n41	30	80	507204	1@1	CP_256QAM	15.26
n41	30	80	507204	1@215	CP_256QAM	15.03
n41	30	80	518598	216@0	DFT_BPSK	22.26
n41	30	80	518598	108@54	DFT_BPSK	22.36
n41	30	80	518598	1@1	DFT_BPSK	21.85
n41	30	80	518598	1@215	DFT_BPSK	21.76
n41	30	80	518598	216@0	DFT_QPSK	22.29
n41	30	80	518598	108@54	DFT_QPSK	22.39
n41	30	80	518598	1@1	DFT_QPSK	21.76
n41	30	80	518598	1@215	DFT_QPSK	21.68
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n41	30	80	518598	108@54	DFT_16QAM	21.93
n41	30	80	518598	1@1	DFT_16QAM	21.70
n41	30	80	518598	1@215	DFT_16QAM	21.73
n41	30	80	518598	216@0	DFT_64QAM	19.77
n41	30	80	518598	108@54	DFT_64QAM	19.85
n41	30	80	518598	1@1	DFT_64QAM	19.16
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n41	30	80	518598	108@54	DFT_256QAM	17.81
n41	30	80	518598	1@1	DFT_256QAM	17.27
n41	30	80	518598	1@215	DFT_256QAM	17.19
n41	30	80	518598	217@0	CP_QPSK	19.27



n41	30	80	518598	109@54	CP_QPSK	21.88
n41	30	80	518598	1@1	CP_QPSK	21.38
n41	30	80	518598	1@215	CP_QPSK	21.17
n41	30	80	518598	217@0	CP_16QAM	19.20
n41	30	80	518598	109@54	CP_16QAM	20.42
n41	30	80	518598	1@1	CP_16QAM	19.68
n41	30	80	518598	1@215	CP_16QAM	19.53
n41	30	80	518598	217@0	CP_64QAM	18.71
n41	30	80	518598	109@54	CP_64QAM	18.81
n41	30	80	518598	1@1	CP_64QAM	18.29
n41	30	80	518598	1@215	CP_64QAM	18.22
n41	30	80	518598	217@0	CP_256QAM	15.72
n41	30	80	518598	109@54	CP_256QAM	15.81
n41	30	80	518598	1@1	CP_256QAM	15.16
n41	30	80	518598	1@215	CP_256QAM	15.07
n41	30	80	529998	216@0	DFT_BPSK	22.35
n41	30	80	529998	108@54	DFT_BPSK	22.27
n41	30	80	529998	1@1	DFT_BPSK	21.85
n41	30	80	529998	1@215	DFT_BPSK	21.78
n41	30	80	529998	216@0	DFT_QPSK	22.15
n41	30	80	529998	108@54	DFT_QPSK	22.29
n41	30	80	529998	1@1	DFT_QPSK	21.76
n41	30	80	529998	1@215	DFT_QPSK	21.74
n41	30	80	529998	216@0	DFT_16QAM	20.64
n41	30	80	529998	108@54	DFT_16QAM	21.82
n41	30	80	529998	1@1	DFT_16QAM	21.83
n41	30	80	529998	1@215	DFT_16QAM	21.69
n41	30	80	529998	216@0	DFT_64QAM	19.61
n41	30	80	529998	108@54	DFT_64QAM	19.71
n41	30	80	529998	1@1	DFT_64QAM	19.14
n41	30	80	529998	1@215	DFT_64QAM	19.10
n41	30	80	529998	216@0	DFT_256QAM	18.12
n41	30	80	529998	108@54	DFT_256QAM	18.03
n41	30	80	529998	1@1	DFT_256QAM	17.99
n41	30	80	529998	1@215	DFT_256QAM	18.00
n41	30	80	529998	217@0	CP_QPSK	19.33
n41	30	80	529998	109@54	CP_QPSK	21.69
n41	30	80	529998	1@1	CP_QPSK	21.27
n41	30	80	529998	1@215	CP_QPSK	21.25
n41	30	80	529998	217@0	CP_16QAM	19.05
n41	30	80	529998	109@54	CP_16QAM	20.24
n41	30	80	529998	1@1	CP_16QAM	19.71
n41	30	80	529998	1@215	CP_16QAM	19.64
n41	30	80	529998	217@0	CP_64QAM	18.50
n41	30	80	529998	109@54	CP_64QAM	18.62
n41	30	80	529998	1@1	CP_64QAM	18.28
n41	30	80	529998	1@215	CP_64QAM	18.19
n41	30	80	529998	217@0	CP_256QAM	15.49



n41	30	80	529998	109@54	CP_256QAM	15.60
n41	30	80	529998	1@1	CP_256QAM	15.10
n41	30	80	529998	1@215	CP_256QAM	15.03
n41	30	90	508200	240@0	DFT_BPSK	22.85
n41	30	90	508200	120@60	DFT_BPSK	22.78
n41	30	90	508200	1@1	DFT_BPSK	22.17
n41	30	90	508200	1@243	DFT_BPSK	22.15
n41	30	90	508200	240@0	DFT_QPSK	22.64
n41	30	90	508200	120@60	DFT_QPSK	22.80
n41	30	90	508200	1@1	DFT_QPSK	22.13
n41	30	90	508200	1@243	DFT_QPSK	22.08
n41	30	90	508200	240@0	DFT_16QAM	21.16
n41	30	90	508200	120@60	DFT_16QAM	22.31
n41	30	90	508200	1@1	DFT_16QAM	22.03
n41	30	90	508200	1@243	DFT_16QAM	21.92
n41	30	90	508200	240@0	DFT_64QAM	20.12
n41	30	90	508200	120@60	DFT_64QAM	20.26
n41	30	90	508200	1@1	DFT_64QAM	19.44
n41	30	90	508200	1@243	DFT_64QAM	19.40
n41	30	90	508200	240@0	DFT_256QAM	18.15
n41	30	90	508200	120@60	DFT_256QAM	18.36
n41	30	90	508200	1@1	DFT_256QAM	17.83
n41	30	90	508200	1@243	DFT_256QAM	17.99
n41	30	90	508200	245@0	CP_QPSK	19.56
n41	30	90	508200	123@61	CP_QPSK	22.32
n41	30	90	508200	1@1	CP_QPSK	21.98
n41	30	90	508200	1@243	CP_QPSK	21.94
n41	30	90	508200	245@0	CP_16QAM	19.58
n41	30	90	508200	123@61	CP_16QAM	20.79
n41	30	90	508200	1@1	CP_16QAM	19.93
n41	30	90	508200	1@243	CP_16QAM	19.91
n41	30	90	508200	245@0	CP_64QAM	19.10
n41	30	90	508200	123@61	CP_64QAM	19.27
n41	30	90	508200	1@1	CP_64QAM	18.64
n41	30	90	508200	1@243	CP_64QAM	18.59
n41	30	90	508200	245@0	CP_256QAM	16.03
n41	30	90	508200	123@61	CP_256QAM	16.22
n41	30	90	508200	1@1	CP_256QAM	15.49
n41	30	90	508200	1@243	CP_256QAM	15.47
n41	30	90	518598	240@0	DFT_BPSK	22.74
n41	30	90	518598	120@60	DFT_BPSK	22.83
n41	30	90	518598	1@1	DFT_BPSK	22.12
n41	30	90	518598	1@243	DFT_BPSK	22.18
n41	30	90	518598	240@0	DFT_QPSK	22.72
n41	30	90	518598	120@60	DFT_QPSK	22.83
n41	30	90	518598	1@1	DFT_QPSK	22.08
n41	30	90	518598	1@243	DFT_QPSK	22.11
n41	30	90	518598	240@0	DFT_16QAM	21.23



n41	30	90	518598	120@60	DFT_16QAM	22.39
n41	30	90	518598	1@1	DFT_16QAM	21.92
n41	30	90	518598	1@243	DFT_16QAM	21.96
n41	30	90	518598	240@0	DFT_64QAM	20.18
n41	30	90	518598	120@60	DFT_64QAM	20.29
n41	30	90	518598	1@1	DFT_64QAM	19.39
n41	30	90	518598	1@243	DFT_64QAM	19.39
n41	30	90	518598	240@0	DFT_256QAM	18.24
n41	30	90	518598	120@60	DFT_256QAM	18.15
n41	30	90	518598	1@1	DFT_256QAM	18.22
n41	30	90	518598	1@243	DFT_256QAM	18.36
n41	30	90	518598	245@0	CP_QPSK	19.77
n41	30	90	518598	123@61	CP_QPSK	22.38
n41	30	90	518598	1@1	CP_QPSK	21.99
n41	30	90	518598	1@243	CP_QPSK	21.98
n41	30	90	518598	245@0	CP_16QAM	19.67
n41	30	90	518598	123@61	CP_16QAM	20.82
n41	30	90	518598	1@1	CP_16QAM	20.00
n41	30	90	518598	1@243	CP_16QAM	20.00
n41	30	90	518598	245@0	CP_64QAM	19.18
n41	30	90	518598	123@61	CP_64QAM	19.31
n41	30	90	518598	1@1	CP_64QAM	18.60
n41	30	90	518598	1@243	CP_64QAM	18.61
n41	30	90	518598	245@0	CP_256QAM	16.11
n41	30	90	518598	123@61	CP_256QAM	16.23
n41	30	90	518598	1@1	CP_256QAM	15.46
n41	30	90	518598	1@243	CP_256QAM	15.46
n41	30	90	528996	240@0	DFT_BPSK	22.66
n41	30	90	528996	120@60	DFT_BPSK	22.81
n41	30	90	528996	1@1	DFT_BPSK	22.11
n41	30	90	528996	1@243	DFT_BPSK	22.21
n41	30	90	528996	240@0	DFT_QPSK	22.69
n41	30	90	528996	120@60	DFT_QPSK	22.83
n41	30	90	528996	1@1	DFT_QPSK	22.06
n41	30	90	528996	1@243	DFT_QPSK	22.17
n41	30	90	528996	240@0	DFT_16QAM	21.17
n41	30	90	528996	120@60	DFT_16QAM	22.36
n41	30	90	528996	1@1	DFT_16QAM	21.89
n41	30	90	528996	1@243	DFT_16QAM	22.02
n41	30	90	528996	240@0	DFT_64QAM	20.16
n41	30	90	528996	120@60	DFT_64QAM	20.29
n41	30	90	528996	1@1	DFT_64QAM	19.36
n41	30	90	528996	1@243	DFT_64QAM	19.44
n41	30	90	528996	240@0	DFT_256QAM	18.26
n41	30	90	528996	120@60	DFT_256QAM	18.14
n41	30	90	528996	1@1	DFT_256QAM	18.48
n41	30	90	528996	1@243	DFT_256QAM	18.12
n41	30	90	528996	245@0	CP_QPSK	19.97



n41	30	90	528996	123@61	CP_QPSK	22.35
n41	30	90	528996	1@1	CP_QPSK	21.88
n41	30	90	528996	1@243	CP_QPSK	22.00
n41	30	90	528996	245@0	CP_16QAM	19.63
n41	30	90	528996	123@61	CP_16QAM	20.80
n41	30	90	528996	1@1	CP_16QAM	19.97
n41	30	90	528996	1@243	CP_16QAM	20.12
n41	30	90	528996	245@0	CP_64QAM	19.11
n41	30	90	528996	123@61	CP_64QAM	19.29
n41	30	90	528996	1@1	CP_64QAM	18.55
n41	30	90	528996	1@243	CP_64QAM	18.73
n41	30	90	528996	245@0	CP_256QAM	16.06
n41	30	90	528996	123@61	CP_256QAM	16.23
n41	30	90	528996	1@1	CP_256QAM	15.42
n41	30	90	528996	1@243	CP_256QAM	15.59
n41	30	100	509202	270@0	DFT_BPSK	23.16
n41	30	100	509202	135@67	DFT_BPSK	23.14
n41	30	100	509202	1@1	DFT_BPSK	23.25
n41	30	100	509202	1@271	DFT_BPSK	23.36
n41	30	100	509202	270@0	DFT_QPSK	23.13
n41	30	100	509202	135@67	DFT_QPSK	23.27
n41	30	100	509202	1@1	DFT_QPSK	22.49
n41	30	100	509202	1@271	DFT_QPSK	22.46
n41	30	100	509202	270@0	DFT_16QAM	21.61
n41	30	100	509202	135@67	DFT_16QAM	22.78
n41	30	100	509202	1@1	DFT_16QAM	22.34
n41	30	100	509202	1@271	DFT_16QAM	22.26
n41	30	100	509202	270@0	DFT_64QAM	20.62
n41	30	100	509202	135@67	DFT_64QAM	20.76
n41	30	100	509202	1@1	DFT_64QAM	19.80
n41	30	100	509202	1@271	DFT_64QAM	19.74
n41	30	100	509202	270@0	DFT_256QAM	18.62
n41	30	100	509202	135@67	DFT_256QAM	18.83
n41	30	100	509202	1@1	DFT_256QAM	18.55
n41	30	100	509202	1@271	DFT_256QAM	18.71
n41	30	100	509202	273@0	CP_QPSK	20.04
n41	30	100	509202	137@68	CP_QPSK	22.84
n41	30	100	509202	1@1	CP_QPSK	22.33
n41	30	100	509202	1@271	CP_QPSK	22.31
n41	30	100	509202	273@0	CP_16QAM	20.06
n41	30	100	509202	137@68	CP_16QAM	21.26
n41	30	100	509202	1@1	CP_16QAM	20.33
n41	30	100	509202	1@271	CP_16QAM	20.30
n41	30	100	509202	273@0	CP_64QAM	19.58
n41	30	100	509202	137@68	CP_64QAM	19.71
n41	30	100	509202	1@1	CP_64QAM	19.02
n41	30	100	509202	1@271	CP_64QAM	18.97
n41	30	100	509202	273@0	CP_256QAM	16.48



n41	30	100	509202	137@68	CP_256QAM	16.69
n41	30	100	509202	1@1	CP_256QAM	15.86
n41	30	100	509202	1@271	CP_256QAM	15.81
n41	30	100	518598	270@0	DFT_BPSK	22.80
n41	30	100	518598	135@67	DFT_BPSK	23.30
n41	30	100	518598	1@1	DFT_BPSK	22.51
n41	30	100	518598	1@271	DFT_BPSK	22.42
n41	30	100	518598	270@0	DFT_QPSK	23.16
n41	30	100	518598	135@67	DFT_QPSK	23.32
n41	30	100	518598	1@1	DFT_QPSK	22.44
n41	30	100	518598	1@271	DFT_QPSK	22.40
n41	30	100	518598	270@0	DFT_16QAM	21.64
n41	30	100	518598	135@67	DFT_16QAM	22.83
n41	30	100	518598	1@1	DFT_16QAM	22.22
n41	30	100	518598	1@271	DFT_16QAM	22.17
n41	30	100	518598	270@0	DFT_64QAM	20.66
n41	30	100	518598	135@67	DFT_64QAM	20.80
n41	30	100	518598	1@1	DFT_64QAM	19.73
n41	30	100	518598	1@271	DFT_64QAM	19.68
n41	30	100	518598	270@0	DFT_256QAM	18.39
n41	30	100	518598	135@67	DFT_256QAM	18.62
n41	30	100	518598	1@1	DFT_256QAM	18.46
n41	30	100	518598	1@271	DFT_256QAM	18.73
n41	30	100	518598	273@0	CP_QPSK	20.09
n41	30	100	518598	137@68	CP_QPSK	22.88
n41	30	100	518598	1@1	CP_QPSK	22.27
n41	30	100	518598	1@271	CP_QPSK	22.24
n41	30	100	518598	273@0	CP_16QAM	20.11
n41	30	100	518598	137@68	CP_16QAM	21.29
n41	30	100	518598	1@1	CP_16QAM	20.31
n41	30	100	518598	1@271	CP_16QAM	20.25
n41	30	100	518598	273@0	CP_64QAM	19.60
n41	30	100	518598	137@68	CP_64QAM	19.74
n41	30	100	518598	1@1	CP_64QAM	18.96
n41	30	100	518598	1@271	CP_64QAM	18.92
n41	30	100	518598	273@0	CP_256QAM	16.52
n41	30	100	518598	137@68	CP_256QAM	16.73
n41	30	100	518598	1@1	CP_256QAM	15.83
n41	30	100	518598	1@271	CP_256QAM	15.76
n41	30	100	528000	270@0	DFT_BPSK	22.88
n41	30	100	528000	135@67	DFT_BPSK	23.29
n41	30	100	528000	1@1	DFT_BPSK	22.56
n41	30	100	528000	1@271	DFT_BPSK	22.58
n41	30	100	528000	270@0	DFT_QPSK	23.15
n41	30	100	528000	135@67	DFT_QPSK	23.32
n41	30	100	528000	1@1	DFT_QPSK	22.50
n41	30	100	528000	1@271	DFT_QPSK	22.54
n41	30	100	528000	270@0	DFT_16QAM	21.63

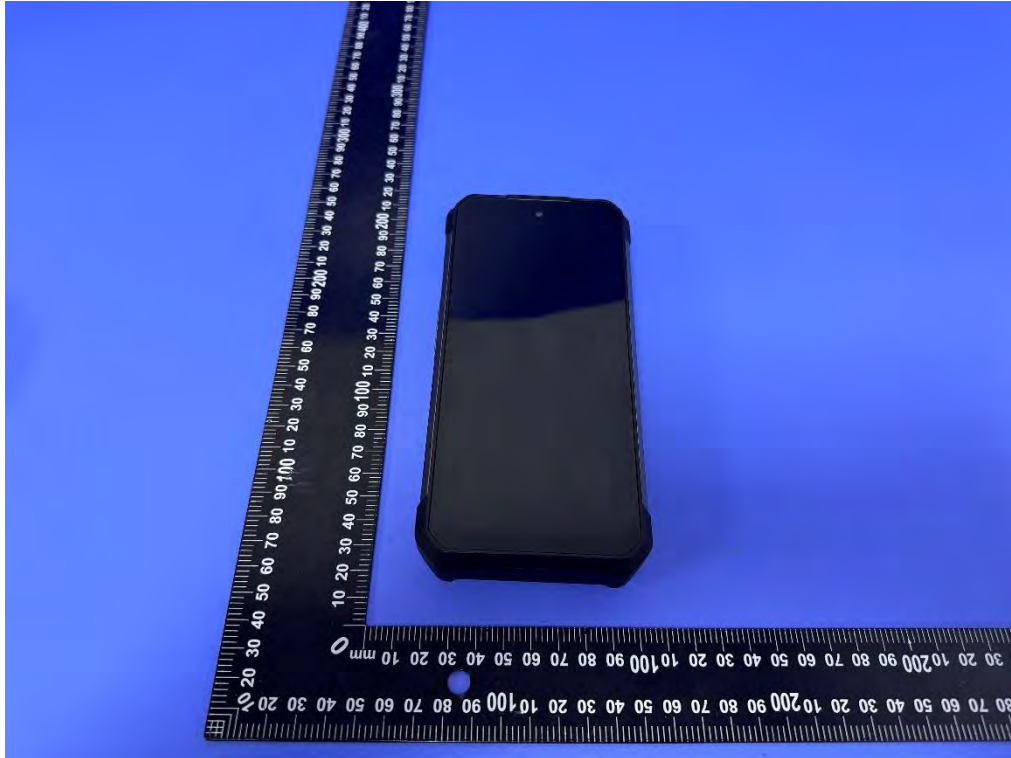


n41	30	100	528000	135@67	DFT_16QAM	22.82
n41	30	100	528000	1@1	DFT_16QAM	22.28
n41	30	100	528000	1@271	DFT_16QAM	22.30
n41	30	100	528000	270@0	DFT_64QAM	20.65
n41	30	100	528000	135@67	DFT_64QAM	20.80
n41	30	100	528000	1@1	DFT_64QAM	19.81
n41	30	100	528000	1@271	DFT_64QAM	19.81
n41	30	100	528000	270@0	DFT_256QAM	18.53
n41	30	100	528000	135@67	DFT_256QAM	18.73
n41	30	100	528000	1@1	DFT_256QAM	18.94
n41	30	100	528000	1@271	DFT_256QAM	18.62
n41	30	100	528000	273@0	CP_QPSK	20.19
n41	30	100	528000	137@68	CP_QPSK	22.88
n41	30	100	528000	1@1	CP_QPSK	22.33
n41	30	100	528000	1@271	CP_QPSK	22.38
n41	30	100	528000	273@0	CP_16QAM	20.09
n41	30	100	528000	137@68	CP_16QAM	21.25
n41	30	100	528000	1@1	CP_16QAM	20.36
n41	30	100	528000	1@271	CP_16QAM	20.42
n41	30	100	528000	273@0	CP_64QAM	19.57
n41	30	100	528000	137@68	CP_64QAM	19.75
n41	30	100	528000	1@1	CP_64QAM	18.99
n41	30	100	528000	1@271	CP_64QAM	19.06
n41	30	100	528000	273@0	CP_256QAM	16.52
n41	30	100	528000	137@68	CP_256QAM	16.75
n41	30	100	528000	1@1	CP_256QAM	15.85
n41	30	100	528000	1@271	CP_256QAM	15.93

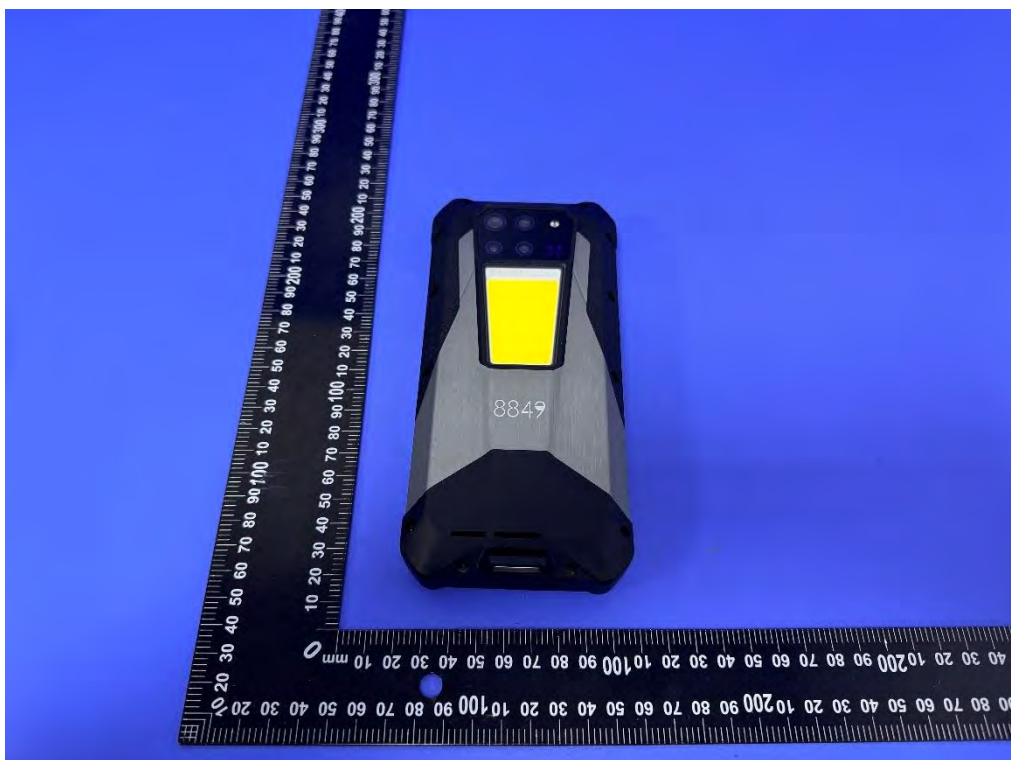
11. EUT and Test Setup Photo

11.1 EUT Photos

Front side

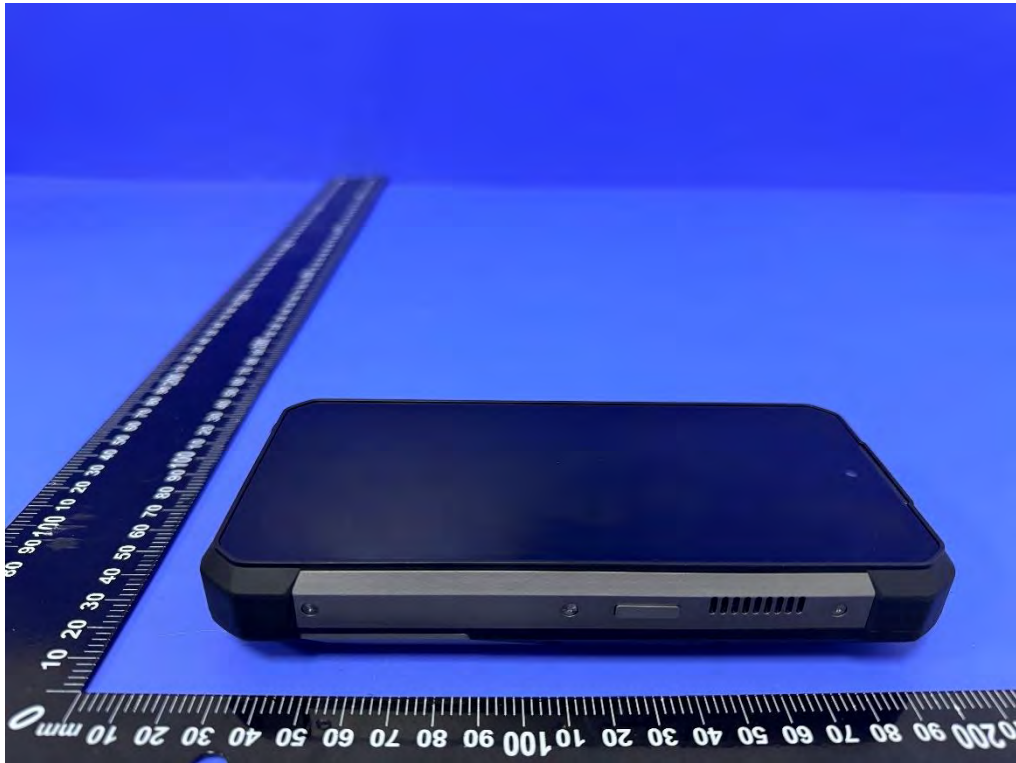


Back side

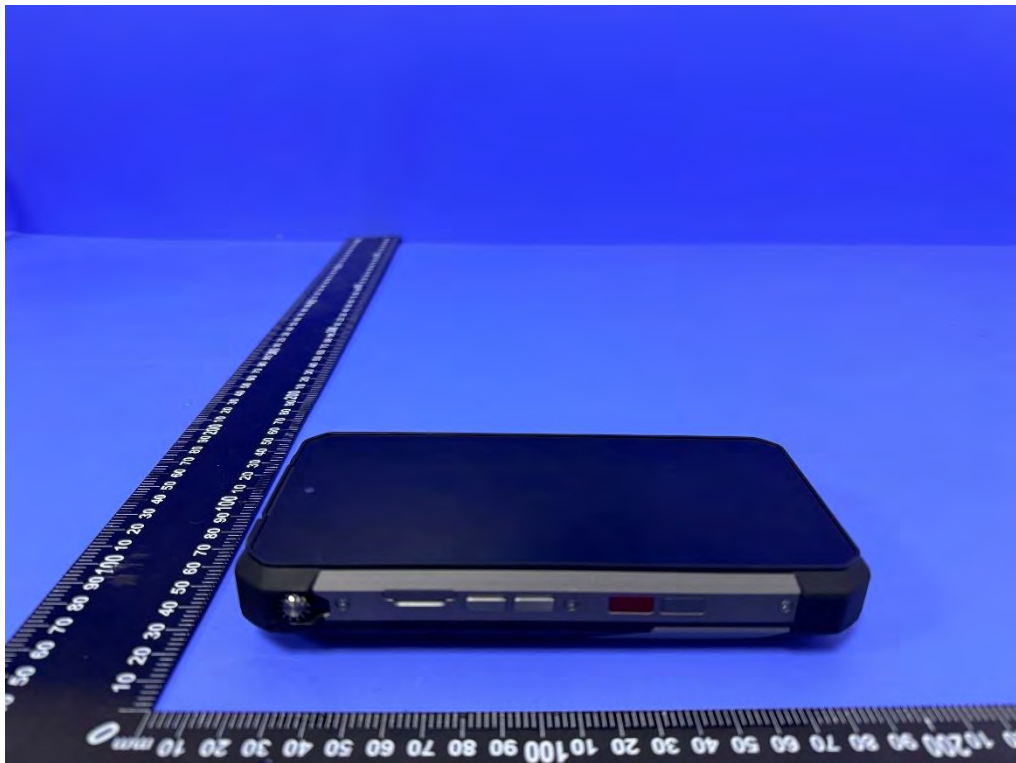




Right Edge

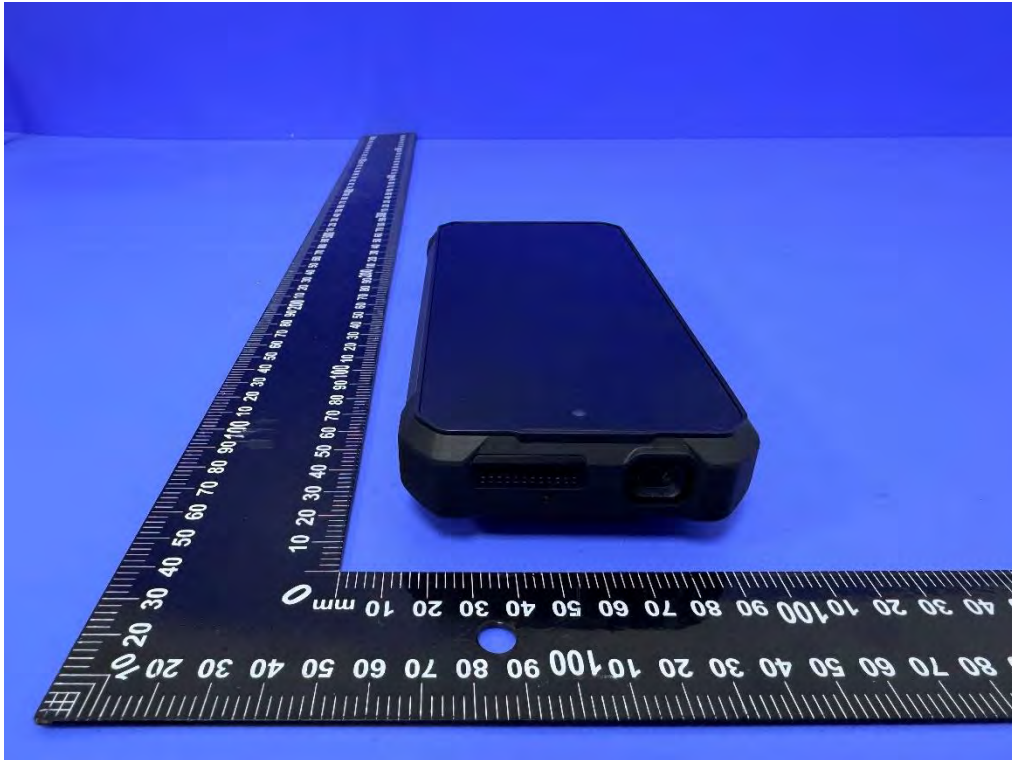


Left Edge

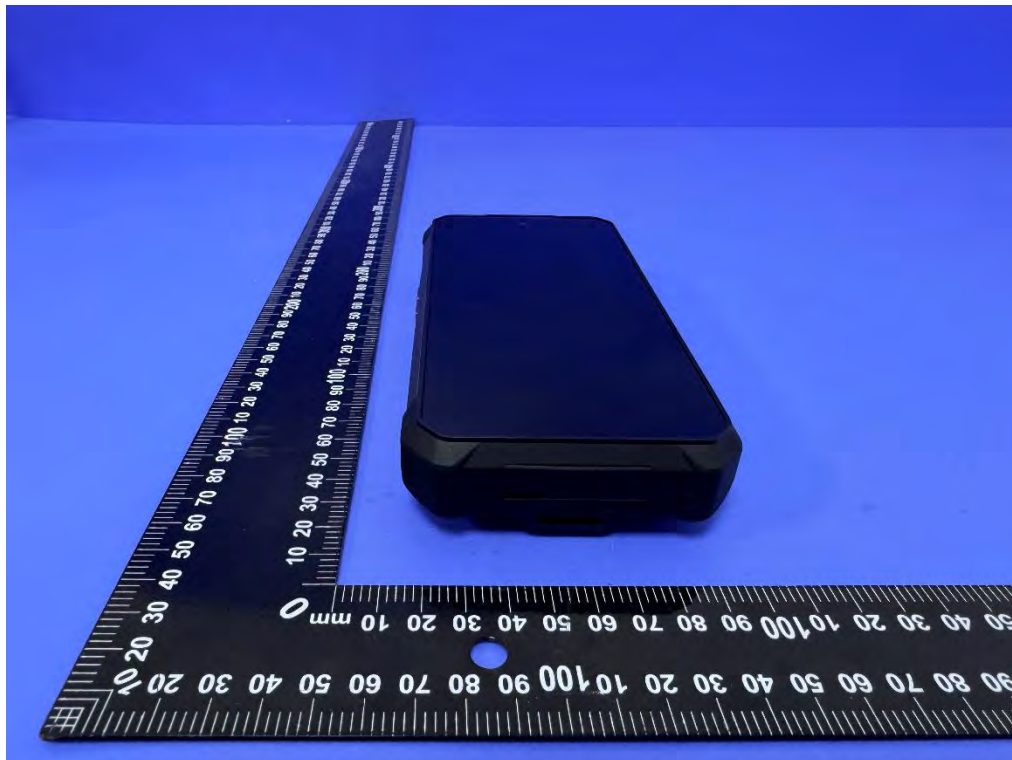




Top Edge

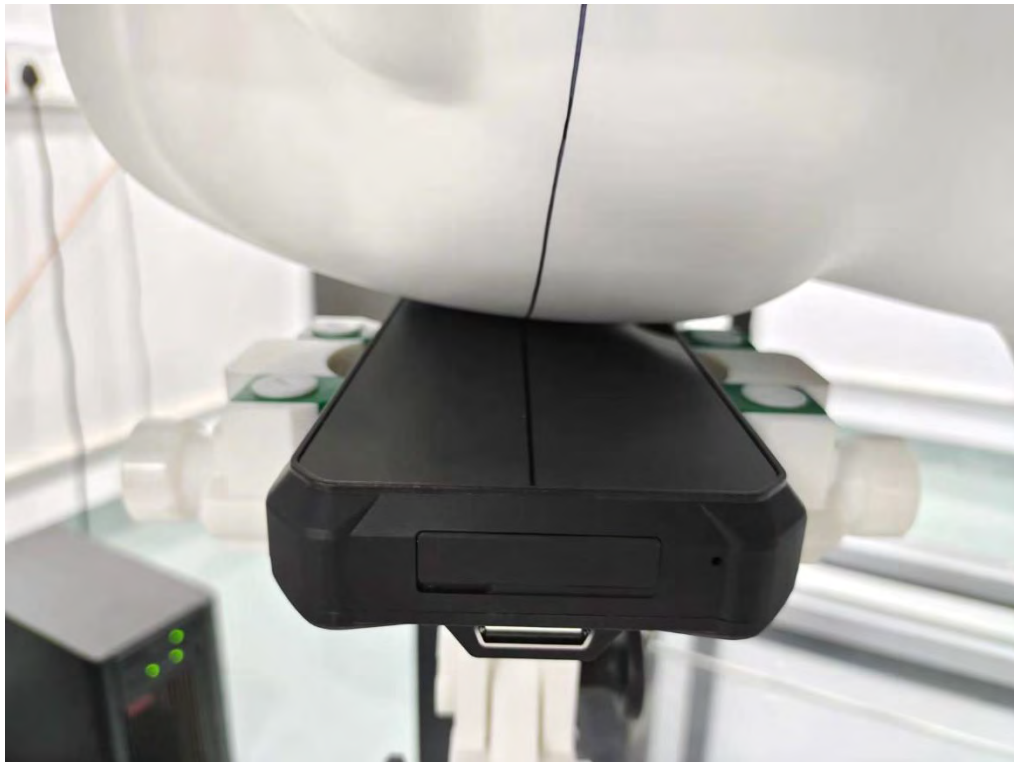


Bottom Edge

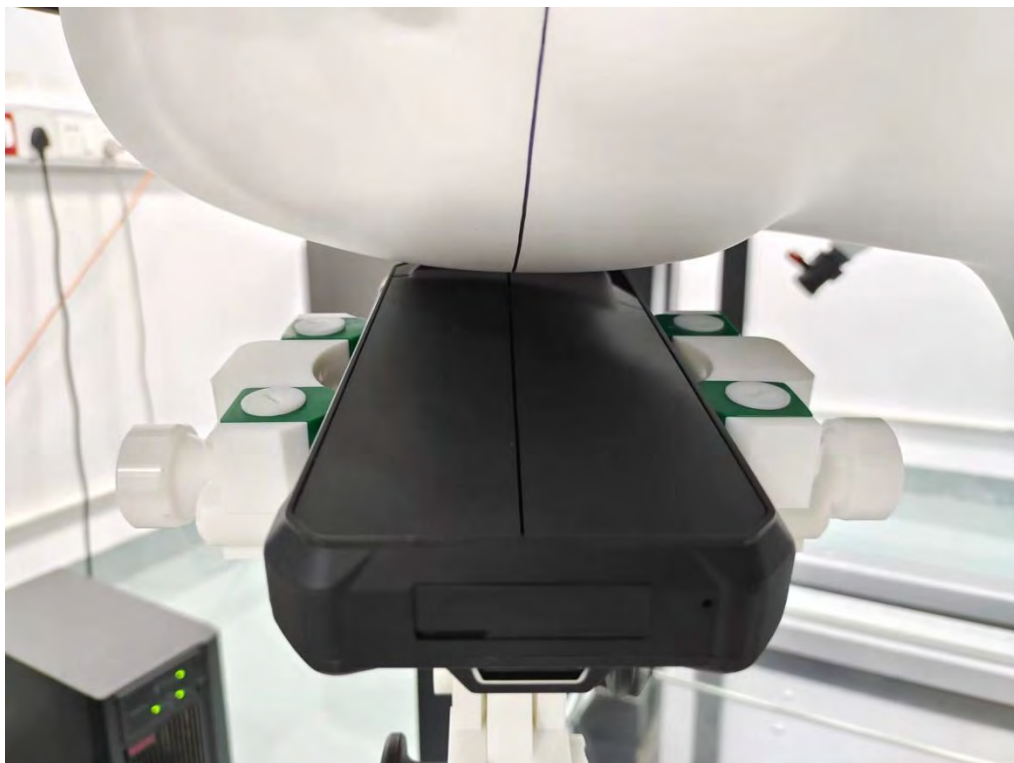


11.2 Setup Photos

Right Touch



Right Tilt





Left Touch

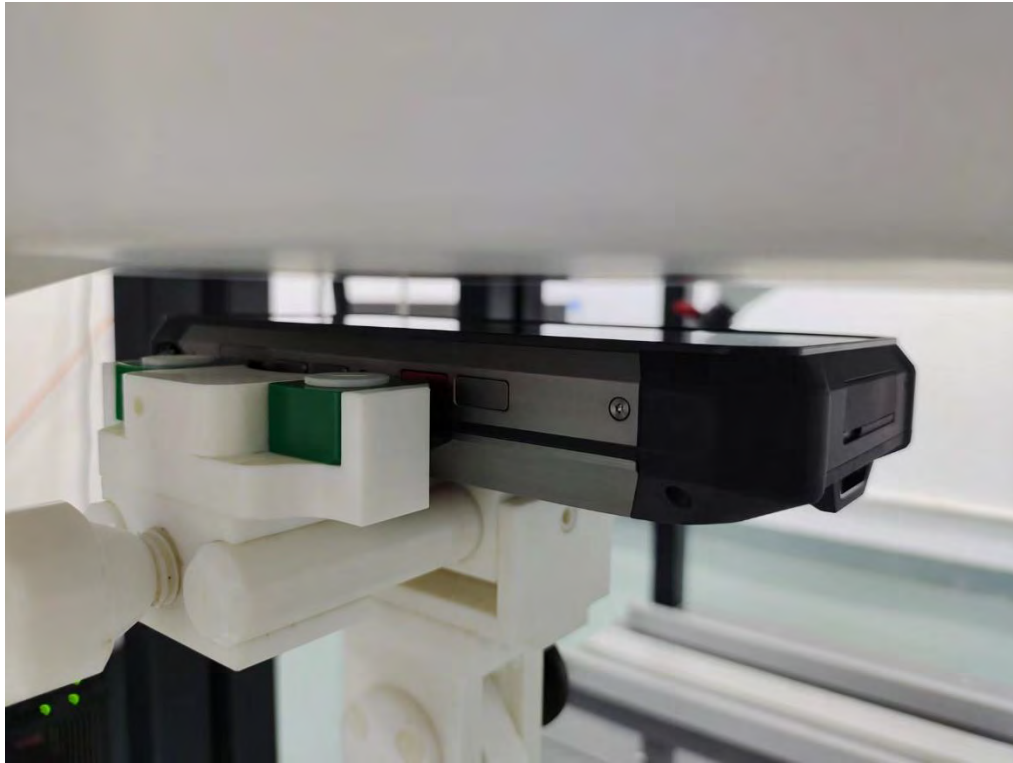


Left Tilt





Body Front side (separation distance is 10mm)

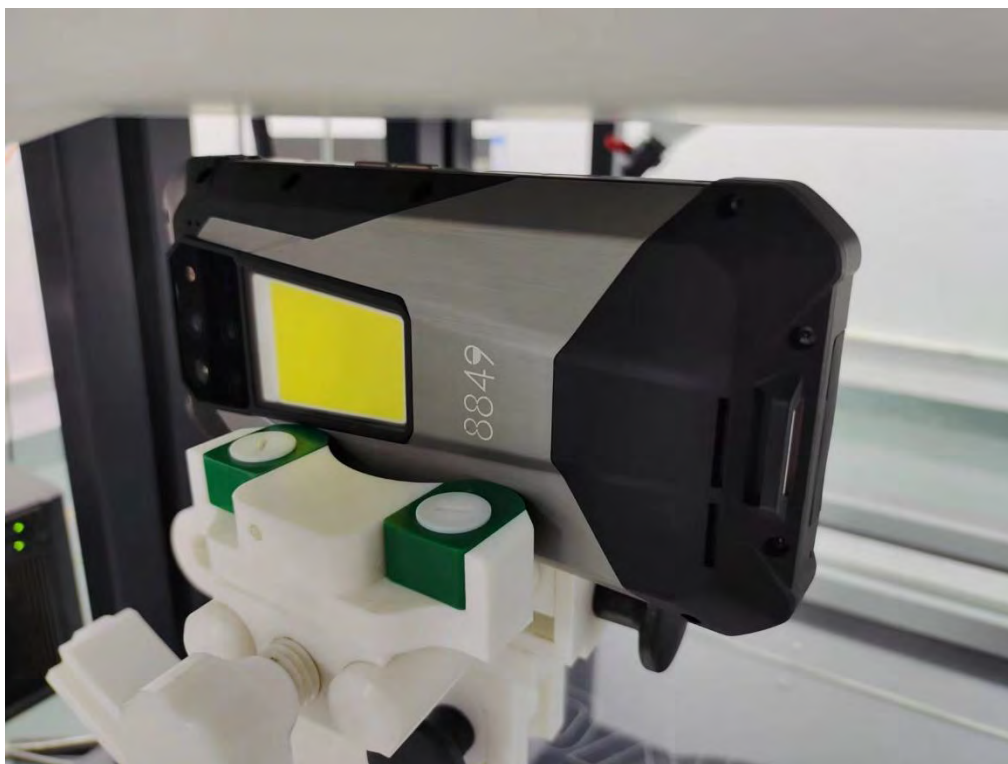


Body Back side (separation distance 10mm)

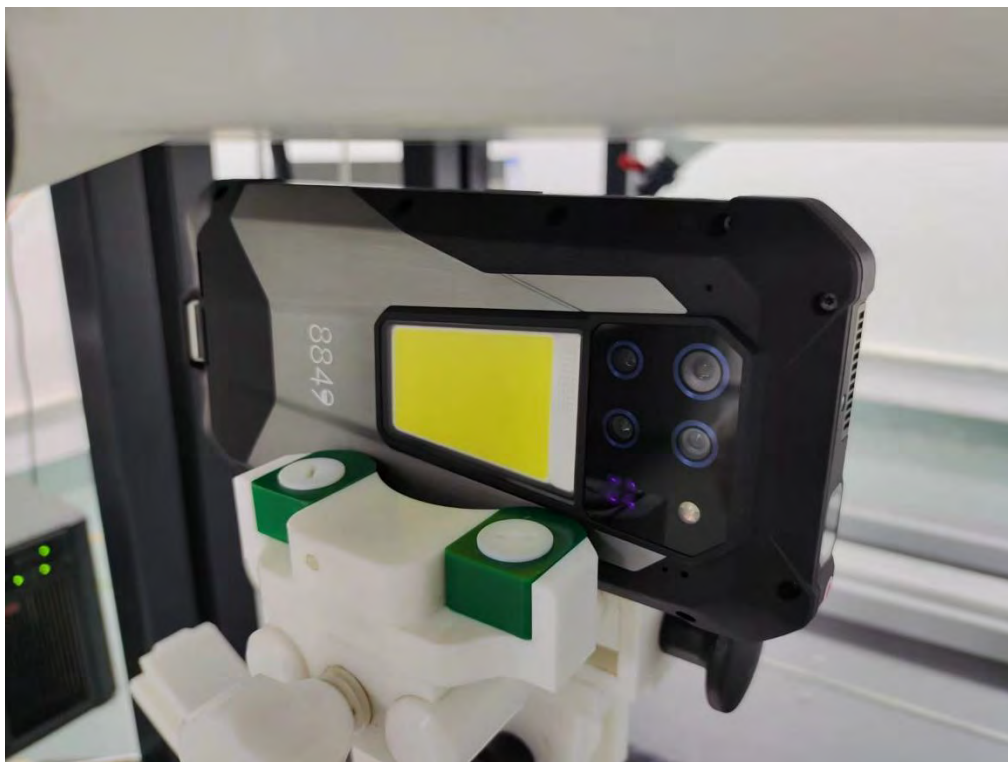




Body Left side (separation distance is 10mm)



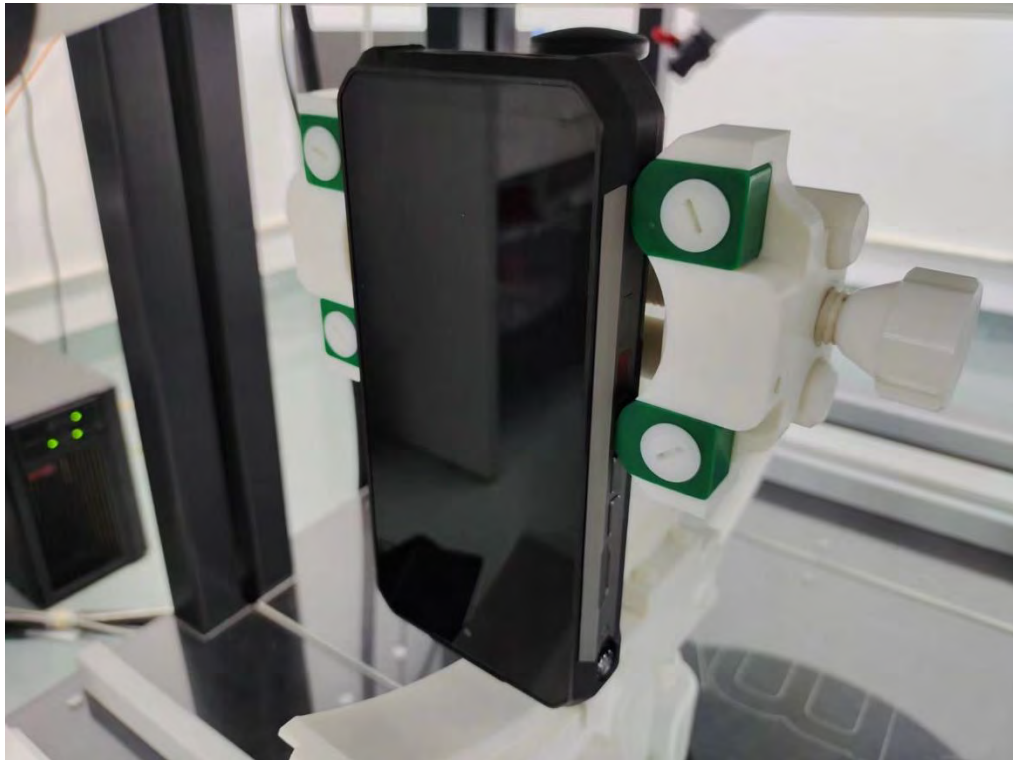
Body Right side (separation distance is 10mm)



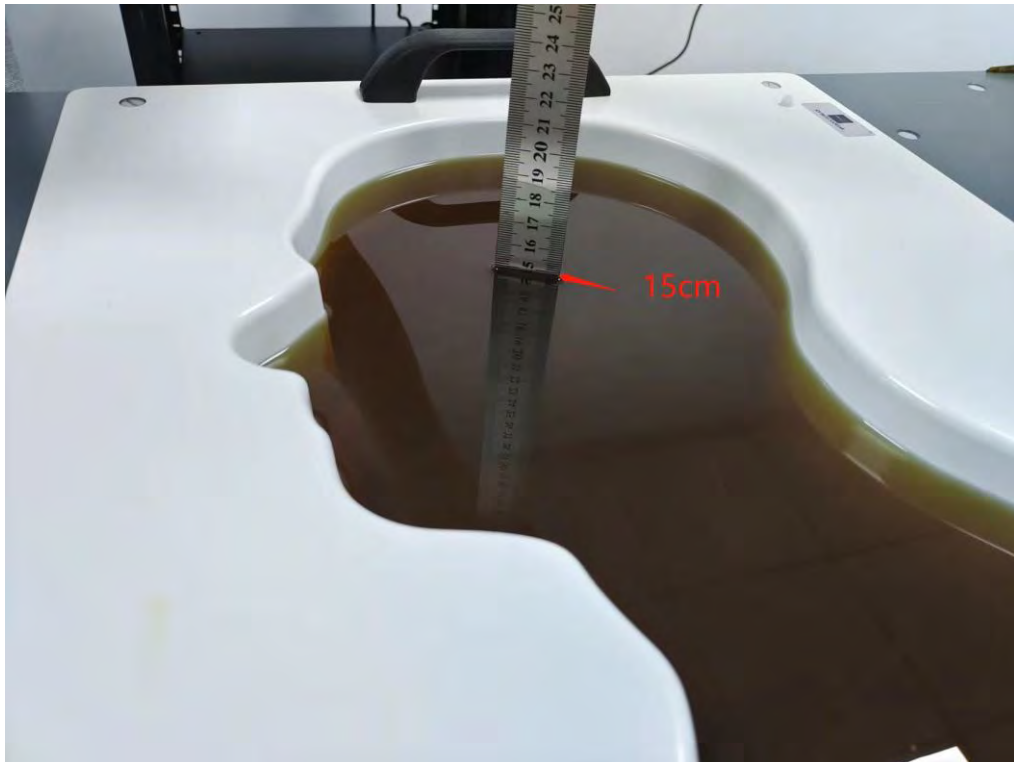
Body Top side (separation distance is 10mm)



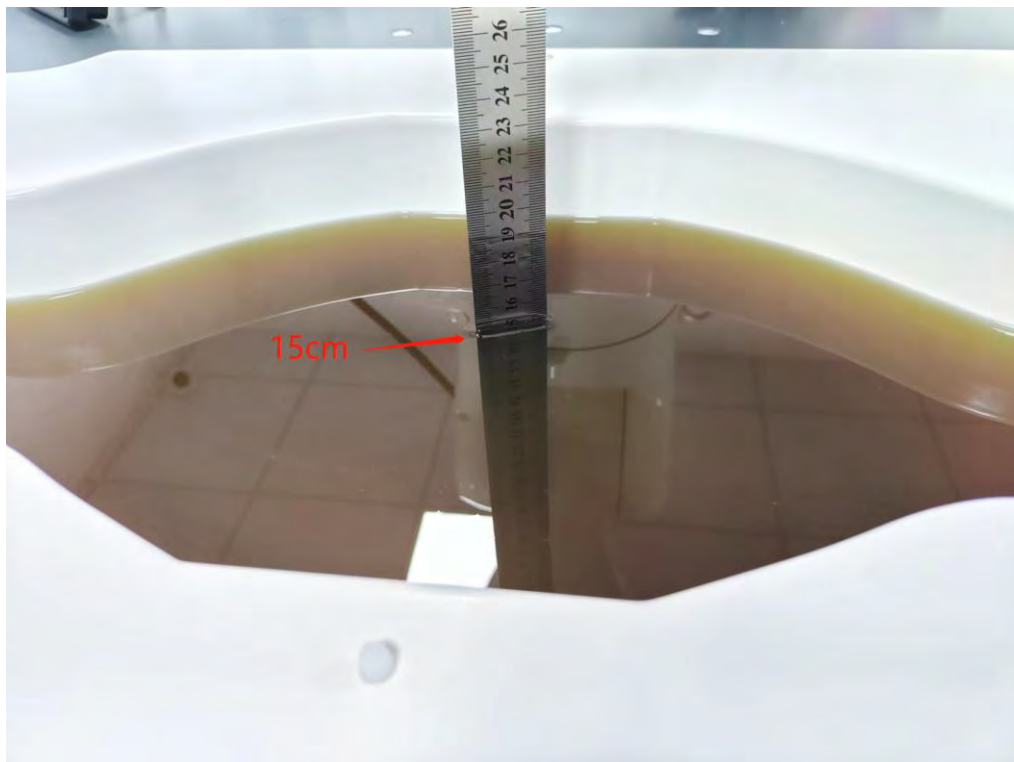
Body Bottom side (separation distance is 10mm)



Liquid depth (15 cm)



Liquid depth (15 cm)





12. SAR Result Summary

12.1 Head SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM850	GSM	Right Cheek	836.6	0.162	2.97	34.50	34.14	0.176	/
		Right Tilt	836.6	0.131	-1.61	34.50	34.14	0.142	/
		Left Cheek	836.6	0.173	-2.65	34.50	34.14	0.188	1
		Left Tilt	836.6	0.135	2.69	34.50	34.14	0.147	/
PCS 1900	GSM	Right Cheek	1880	0.098	-2.92	32.00	31.85	0.101	3
		Right Tilt	1880	0.082	1.49	32.00	31.85	0.085	/
		Left Cheek	1880	0.078	1.28	32.00	31.85	0.081	/
		Left Tilt	1880	0.057	2.25	32.00	31.85	0.059	/
WCDMA Band II	RMC	Right Cheek	1880	0.114	1.75	24.50	24.40	0.117	5
		Right Tilt	1880	0.081	0.36	24.50	24.40	0.083	/
		Left Cheek	1880	0.093	3.58	24.50	24.40	0.095	/
		Left Tilt	1880	0.077	-2.26	24.50	24.40	0.079	/
WCDMA Band IV	RMC	Right Cheek	1712.6	0.073	-0.29	25.00	24.67	0.079	7
		Right Tilt	1712.6	0.059	0.33	25.00	24.67	0.064	/
		Left Cheek	1712.6	0.064	2.87	25.00	24.67	0.069	/
		Left Tilt	1712.6	0.047	0.79	25.00	24.67	0.051	/
WCDMA Band V	RMC	Right Cheek	846.6	0.041	3.57	24.50	24.26	0.043	/
		Right Tilt	846.6	0.036	1.94	24.50	24.26	0.038	/
		Left Cheek	846.6	0.056	-2.73	24.50	24.26	0.059	9
		Left Tilt	846.6	0.040	-3.61	24.50	24.26	0.042	/
CDMA	BC0	Right Cheek	836.52	0.054	0.34	24.00	23.58	0.059	/
		Right Tilt	836.52	0.045	-3.90	24.00	23.58	0.050	/
		Left Cheek	836.52	0.092	1.31	24.00	23.58	0.101	11
		Left Tilt	836.52	0.068	-2.73	24.00	23.58	0.075	/
CDMA	BC1	Right Cheek	1908.75	0.048	-0.69	23.00	22.60	0.053	13
		Right Tilt	1908.75	0.045	2.89	23.00	22.60	0.049	/
		Left Cheek	1908.75	0.034	0.04	23.00	22.60	0.037	/
		Left Tilt	1908.75	0.025	-3.18	23.00	22.60	0.027	/
2.4G WLAN ANT1	802.11b	Right Cheek	2412	0.084	1.27	16.50	16.26	0.089	/
		Right Tilt	2412	0.118	1.96	16.50	16.26	0.125	/
		Left Cheek	2412	0.108	2.96	16.50	16.26	0.114	/
		Left Tilt	2412	0.136	1.10	16.50	16.26	0.144	15
2.4G WLAN ANT2	802.11b	Right Cheek	2462	0.164	2.00	15.00	14.67	0.177	/
		Right Tilt	2462	0.236	-2.11	15.00	14.67	0.255	/
		Left Cheek	2462	0.222	-2.92	15.00	14.67	0.240	/
		Left Tilt	2462	0.303	1.73	15.00	14.67	0.327	17
2.4G WLAN ANT 1 MIMO	802.11n-HT20	Right Cheek	2412	0.076	-1.34	16.50	16.03	0.085	/
		Right Tilt	2412	0.101	2.17	16.50	16.03	0.113	/
		Left Cheek	2412	0.074	-1.08	16.50	16.03	0.082	/
		Left Tilt	2412	0.107	2.72	16.50	16.03	0.119	19



2.4G WLAN ANT 2 MIMO	802.11n- HT20	Right Cheek	2412	0.113	1.01	16.50	16.03	0.126	/
		Right Tilt	2412	0.140	-2.30	16.50	16.03	0.156	/
		Left Cheek	2412	0.125	1.67	16.50	16.03	0.139	/
		Left Tilt	2412	0.166	0.79	16.50	16.03	0.185	21

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11ax-HE20 ANT 1	0.119	0.304
	802.11ax-HE20 ANT 2	0.185	

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Right Cheek	1880	0.105	-1.77	25.00	24.89	0.108	23
			50	0	Right Cheek	1860	0.092	-1.14	24.00	23.77	0.097	/
			1	0	Right Tilt	1880	0.084	2.16	25.00	24.89	0.086	/
			50	0	Right Tilt	1860	0.074	0.65	24.00	23.77	0.078	/
			1	0	Left Cheek	1880	0.104	-1.94	25.00	24.89	0.107	/
			50	0	Left Cheek	1860	0.092	2.61	24.00	23.77	0.097	/
			1	0	Left Tilt	1880	0.083	-0.46	25.00	24.89	0.085	/
			50	0	Left Tilt	1860	0.073	-2.56	24.00	23.77	0.077	/
LTE Band 4	20M	QPSK	1	0	Right Cheek	1745	0.042	-1.79	25.50	25.04	0.047	25
			50	0	Right Cheek	1745	0.038	-0.07	24.50	24.12	0.041	/
			1	0	Right Tilt	1745	0.035	2.34	25.50	25.04	0.039	/
			50	0	Right Tilt	1745	0.032	2.27	24.50	24.12	0.035	/
			1	0	Left Cheek	1745	0.039	1.24	25.50	25.04	0.043	/
			50	0	Left Cheek	1745	0.036	-0.94	24.50	24.12	0.039	/
			1	0	Left Tilt	1745	0.031	0.51	25.50	25.04	0.034	/
			50	0	Left Tilt	1745	0.026	-1.28	24.50	24.12	0.028	/
LTE Band 5	10M	QPSK	1	0	Right Cheek	844	0.126	3.22	25.50	25.02	0.141	/
			25	0	Right Cheek	844	0.113	2.69	24.00	23.93	0.115	/
			1	0	Right Tilt	844	0.101	-3.21	25.50	25.02	0.113	/
			25	0	Right Tilt	844	0.090	-3.78	24.00	23.93	0.091	/
			1	0	Left Cheek	844	0.173	-3.54	25.50	25.02	0.193	27
			25	0	Left Cheek	844	0.155	0.54	24.00	23.93	0.158	/
			1	0	Left Tilt	844	0.139	3.10	25.50	25.02	0.155	/
			25	0	Left Tilt	844	0.123	1.62	24.00	23.93	0.125	/
LTE Band 7	20M	QPSK	1	0	Right Cheek	2535	0.071	-2.02	26.00	25.71	0.076	29
			50	0	Right Cheek	2535	0.062	-2.60	26.00	25.62	0.068	/
			1	0	Right Tilt	2535	0.058	-2.04	26.00	25.71	0.062	/
			50	0	Right Tilt	2535	0.052	3.08	26.00	25.62	0.057	/
			1	0	Left Cheek	2535	0.065	0.76	26.00	25.71	0.069	/
			50	0	Left Cheek	2535	0.057	-2.49	26.00	25.62	0.062	/
			1	0	Left Tilt	2535	0.052	-3.74	26.00	25.71	0.056	/
			50	0	Left Tilt	2535	0.046	-2.28	26.00	25.62	0.050	/



LTE Band 12	10M	QPSK	1	0	Right Cheek	704	0.080	2.11	25.00	24.60	0.088	/
			25	0	Right Cheek	704	0.070	1.41	24.00	23.49	0.079	/
			1	0	Right Tilt	704	0.064	3.59	25.00	24.60	0.070	/
			25	0	Right Tilt	704	0.056	-0.32	24.00	23.49	0.063	/
			1	0	Left Cheek	704	0.086	0.42	25.00	24.60	0.094	31
			25	0	Left Cheek	704	0.076	-2.51	24.00	23.49	0.085	/
			1	0	Left Tilt	704	0.070	-2.14	25.00	24.60	0.077	/
			25	0	Left Tilt	704	0.062	0.61	24.00	23.49	0.070	/
LTE Band 13	10M	QPSK	1	0	Right Cheek	782	0.133	-2.14	25.00	24.80	0.139	/
			25	0	Right Cheek	782	0.119	1.93	24.00	23.69	0.128	/
			1	0	Right Tilt	782	0.107	1.36	25.00	24.80	0.112	/
			25	0	Right Tilt	782	0.095	3.13	24.00	23.69	0.102	/
			1	0	Left Cheek	782	0.145	1.69	25.00	24.80	0.152	33
			25	0	Left Cheek	782	0.129	3.25	24.00	23.69	0.139	/
			1	0	Left Tilt	782	0.116	-2.38	25.00	24.80	0.121	/
			25	0	Left Tilt	782	0.104	-2.10	24.00	23.69	0.112	/
LTE Band 17	10M	QPSK	1	0	Right Cheek	709	0.074	2.19	25.50	25.10	0.081	/
			25	0	Right Cheek	710	0.066	0.55	24.50	24.00	0.074	/
			1	0	Right Tilt	709	0.059	-2.32	25.50	25.10	0.065	/
			25	0	Right Tilt	710	0.052	3.55	24.50	24.00	0.058	/
			1	0	Left Cheek	709	0.078	3.27	25.50	25.10	0.086	35
			25	0	Left Cheek	710	0.068	3.36	24.50	24.00	0.076	/
			1	0	Left Tilt	709	0.062	-3.77	25.50	25.10	0.068	/
			25	0	Left Tilt	710	0.054	-0.47	24.50	24.00	0.061	/
LTE Band 25	20M	QPSK	1	0	Right Cheek	1860	0.152	1.82	25.50	25.00	0.171	37
			50	0	Right Cheek	1882.5	0.136	-3.02	24.00	23.96	0.137	/
			1	0	Right Tilt	1860	0.123	-0.60	25.50	25.00	0.138	/
			50	0	Right Tilt	1882.5	0.109	-3.68	24.00	23.96	0.110	/
			1	0	Left Cheek	1860	0.137	0.79	25.50	25.00	0.154	/
			50	0	Left Cheek	1882.5	0.121	-3.38	24.00	23.96	0.122	/
			1	0	Left Tilt	1860	0.109	-1.46	25.50	25.00	0.122	/
			50	0	Left Tilt	1882.5	0.096	2.48	24.00	23.96	0.097	/
LTE Band 26	15M	QPSK	1	0	Right Cheek	841.5	0.122	-1.63	25.00	24.95	0.123	/
			36	0	Right Cheek	841.5	0.109	0.62	24.00	23.89	0.112	/
			1	0	Right Tilt	841.5	0.097	3.96	25.00	24.95	0.098	/
			36	0	Right Tilt	841.5	0.086	-1.85	24.00	23.89	0.088	/
			1	0	Left Cheek	841.5	0.136	2.18	25.00	24.95	0.138	39
			36	0	Left Cheek	841.5	0.121	1.44	24.00	23.89	0.124	/
			1	0	Left Tilt	841.5	0.109	0.03	25.00	24.95	0.110	/
			36	0	Left Tilt	841.5	0.096	-0.77	24.00	23.89	0.098	/



LTE Band 38	20M	QPSK	1	0	Right Cheek	2610	0.082	-2.49	26.50	26.45	0.083	41
			50	0	Right Cheek	2580	0.073	-3.99	26.00	25.56	0.081	/
			1	0	Right Tilt	2610	0.066	1.24	26.50	26.45	0.067	/
			50	0	Right Tilt	2580	0.057	-0.98	26.00	25.56	0.063	/
			1	0	Left Cheek	2610	0.077	-2.58	26.50	26.45	0.078	/
			50	0	Left Cheek	2580	0.068	-1.75	26.00	25.56	0.075	/
			1	0	Left Tilt	2610	0.061	-3.55	26.50	26.45	0.062	/
			50	0	Left Tilt	2580	0.053	3.46	26.00	25.56	0.059	/
LTE Band 40	10M	QPSK	1	0	Right Cheek	2310	0.045	1.05	12.50	12.08	0.050	43
			50	0	Right Cheek	2310	0.040	-2.31	11.50	11.14	0.043	/
			1	0	Right Tilt	2310	0.037	-1.62	12.50	12.08	0.041	/
			50	0	Right Tilt	2310	0.032	2.17	11.50	11.14	0.035	/
			1	0	Left Cheek	2310	0.038	1.42	12.50	12.08	0.042	/
			50	0	Left Cheek	2310	0.033	-2.39	11.50	11.14	0.036	/
			1	0	Left Tilt	2310	0.030	-3.10	12.50	12.08	0.033	/
			50	0	Left Tilt	2310	0.025	3.57	11.50	11.14	0.027	/
LTE Band 41	20M	QPSK	1	0	Right Cheek	2506	0.080	-0.77	25.50	25.01	0.090	45
			50	0	Right Cheek	2506	0.071	-0.63	25.00	24.73	0.076	/
			1	0	Right Tilt	2506	0.064	-3.69	25.50	25.01	0.072	/
			50	0	Right Tilt	2506	0.055	1.36	25.00	24.73	0.059	/
			1	0	Left Cheek	2506	0.069	2.25	25.50	25.01	0.077	/
			50	0	Left Cheek	2506	0.061	-0.39	25.00	24.73	0.065	/
			1	0	Left Tilt	2506	0.055	-2.94	25.50	25.01	0.062	/
			50	0	Left Tilt	2506	0.047	-3.50	25.00	24.73	0.050	/
LTE Band 66	20M	QPSK	1	0	Right Cheek	1745	0.059	0.21	25.00	24.66	0.064	47
			50	0	Right Cheek	1745	0.052	-2.31	24.00	23.59	0.057	/
			1	0	Right Tilt	1745	0.049	-3.75	25.00	24.66	0.053	/
			50	0	Right Tilt	1745	0.043	3.32	24.00	23.59	0.047	/
			1	0	Left Cheek	1745	0.054	-0.52	25.00	24.66	0.058	/
			50	0	Left Cheek	1745	0.047	0.24	24.00	23.59	0.052	/
			1	0	Left Tilt	1745	0.044	3.80	25.00	24.66	0.048	/
			50	0	Left Tilt	1745	0.039	2.15	24.00	23.59	0.043	/
SA N2	20M	DFT_QPSK	1	1	Right Cheek	1900	0.108	2.37	24.00	23.67	0.117	49
			50	25	Right Cheek	1900	0.095	-0.89	24.00	23.95	0.096	/
			1	104	Right Tilt	1900	0.087	3.36	24.00	23.67	0.094	/
			50	25	Right Tilt	1900	0.077	-2.79	24.00	23.95	0.078	/
			1	104	Left Cheek	1900	0.093	-1.18	24.00	23.67	0.100	/
			50	25	Left Cheek	1900	0.082	-2.66	24.00	23.95	0.083	/
			1	104	Left Tilt	1900	0.074	0.19	24.00	23.67	0.080	/
			50	25	Left Tilt	1900	0.065	3.80	24.00	23.95	0.066	/
SA N5	20M	DFT_QPSK	1	104	Right Cheek	836.5	0.127	-0.09	24.5	24.04	0.141	/
			50	25	Right Cheek	839	0.143	2.00	24.5	24.08	0.158	/
			1	1	Right Tilt	836.5	0.101	-1.50	24.5	24.04	0.112	/
			50	25	Right Tilt	839	0.114	1.12	24.5	24.08	0.126	/
			1	1	Left Cheek	836.5	0.146	-3.18	24.5	24.04	0.162	/
			50	25	Left Cheek	839	0.164	1.32	24.5	24.08	0.181	51
			1	1	Left Tilt	836.5	0.117	-0.02	24.5	24.04	0.130	/
			50	25	Left Tilt	839	0.132	-0.93	24.5	24.08	0.145	/



SA N7	20M	DFT_QPSK	1	1	Right Cheek	2510	0.161	2.19	24.00	23.87	0.166	/
			50	25	Right Cheek	2560	0.179	0.06	24.50	24.08	0.197	53
			1	104	Right Tilt	2510	0.128	-1.39	24.00	23.87	0.132	/
			50	25	Right Tilt	2560	0.144	-0.76	24.50	24.08	0.159	/
			1	104	Left Cheek	2510	0.136	0.91	24.00	23.87	0.140	/
			50	25	Left Cheek	2560	0.152	-0.76	24.50	24.08	0.167	/
			1	104	Left Tilt	2510	0.106	-3.99	24.00	23.87	0.109	/
			50	25	Left Tilt	2560	0.121	-2.66	24.50	24.08	0.133	/
SA N25	20M	DFT_BPSK	1	104	Right Cheek	1905	0.067	-2.13	24.5	24.01	0.075	/
			50	25	Right Cheek	1905	0.072	-0.58	24.5	24.11	0.079	55
			1	1	Right Tilt	1905	0.058	2.04	24.5	24.01	0.065	/
			50	25	Right Tilt	1905	0.068	-3.66	24.5	24.11	0.074	/
			1	1	Left Cheek	1905	0.052	3.11	24.5	24.01	0.058	/
			50	25	Left Cheek	1905	0.066	3.52	24.5	24.11	0.072	/
			1	1	Left Tilt	1905	0.040	-0.46	24.5	24.01	0.045	/
			50	25	Left Tilt	1905	0.049	2.30	24.5	24.11	0.054	/
SA N38	40M	DFT_QPSK	1	104	Right Cheek	2600	0.289	-1.47	24	23.63	0.315	/
			50	25	Right Cheek	2590	0.297	3.44	24.5	24.05	0.329	/
			50	25	Right Cheek	2595	0.268	0.04	24.5	24.03	0.299	/
			50	25	Right Cheek	2600	0.323	3.33	24.5	24.06	0.357	57
			1	49	Right Tilt	2600	0.232	-1.64	24	23.63	0.253	/
			25	12	Right Tilt	2600	0.259	-2.21	24.5	24.06	0.287	/
			1	49	Left Cheek	2600	0.258	3.63	24	23.63	0.281	/
			25	12	Left Cheek	2600	0.289	2.15	24.5	24.06	0.320	/
			1	49	Left Tilt	2600	0.206	-0.35	24	23.63	0.224	/
			25	12	Left Tilt	2600	0.231	1.09	24.5	24.06	0.256	/
SA N41	100M	DFT_QPSK	1	1	Right Cheek	2546.01	0.248	3.91	23	22.81	0.259	/
			135	67	Right Cheek	2640	0.278	1.07	24	23.5	0.312	59
			1	271	Right Tilt	2546.01	0.197	0.98	23	22.81	0.206	/
			135	67	Right Tilt	2640	0.222	3.89	24	23.5	0.249	/
			1	271	Left Cheek	2546.01	0.198	-0.27	23	22.81	0.207	/
			135	67	Left Cheek	2640	0.221	2.15	24	23.5	0.248	/
			1	271	Left Tilt	2546.01	0.159	0.00	23	22.81	0.166	/
			135	67	Left Tilt	2640	0.177	-0.29	24	23.5	0.199	/
SA N77	100M	DFT_QPSK	1	271	Right Cheek	3500	0.196	-3.15	23	22.93	0.199	/
			135	67	Right Cheek	3500	0.219	-3.21	23.5	23.47	0.221	61
			1	271	Right Tilt	3500	0.157	0.14	23	22.93	0.160	/
			135	67	Right Tilt	3500	0.176	-0.61	23.5	23.47	0.177	/
			1	271	Left Cheek	3500	0.173	0.40	23	22.93	0.176	/
			135	67	Left Cheek	3500	0.194	-1.24	23.5	23.47	0.195	/
			1	271	Left Tilt	3500	0.138	-0.34	23	22.93	0.140	/
			135	67	Left Tilt	3500	0.155	-2.63	23.5	23.47	0.156	/



NSA

Band	BW (MHz)	Mod.	RB config	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
SA N41	100M	DFT_QPSK	1	Right Cheek	2546.01	0.248	3.91	23	22.81	0.259	/
			135	Right Cheek	2640	0.278	1.07	24	23.5	0.312	59
			1	Right Tilt	2546.01	0.197	0.98	23	22.81	0.206	/
			135	Right Tilt	2640	0.222	3.89	24	23.5	0.249	/
			1	Left Cheek	2546.01	0.198	-0.27	23	22.81	0.207	/
			135	Left Cheek	2640	0.221	2.15	24	23.5	0.248	/
			1	Left Tilt	2546.01	0.159	0.00	23	22.81	0.166	/
			135	Left Tilt	2640	0.177	-0.29	24	23.5	0.199	/
LTE Band 5	10M	QPSK	1	Right Cheek	844	0.126	3.22	25.50	25.02	0.141	/
			25	Right Cheek	844	0.113	2.69	24.00	23.93	0.115	/
			1	Right Tilt	844	0.101	-3.21	25.50	25.02	0.113	/
			25	Right Tilt	844	0.090	-3.78	24.00	23.93	0.091	/
			1	Left Cheek	844	0.173	-3.54	25.50	25.02	0.193	27
			25	Left Cheek	844	0.155	0.54	24.00	23.93	0.158	/
			1	Left Tilt	844	0.139	3.10	25.50	25.02	0.155	/
			25	Left Tilt	844	0.123	1.62	24.00	23.93	0.125	/

Band	Mode	Head Max SAR	Head Test sum
		(W/Kg)	
NSA N41+B5	SA N41	0.312	0.505
	LTE B5	0.193	



Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas.No.
5.2G WLAN ANT1	802.11ac-VHT80	Right Cheek	5210	0.119	-1.89	7.00	6.85	0.123	/
		Right Tilt	5210	0.148	-2.02	7.00	6.85	0.153	/
		Left Cheek	5210	0.124	-1.92	7.00	6.85	0.128	/
		Left Tilt	5210	0.171	1.12	7.00	6.85	0.177	63
5.2G WLAN ANT2	802.11ax-HE20	Right Cheek	5240	0.335	-3.57	9.00	8.81	0.350	/
		Right Tilt	5240	0.489	2.83	9.00	8.81	0.511	/
		Left Cheek	5240	0.443	-3.63	9.00	8.81	0.463	/
		Left Tilt	5240	0.639	3.16	9.00	8.81	0.668	65
5.2G WLAN ANT 1 MIMO	802.11n-HT20	Right Cheek	5200	0.191	-0.14	10.00	9.75	0.202	/
		Right Tilt	5200	0.270	-3.51	10.00	9.75	0.286	/
		Left Cheek	5200	0.234	-0.73	10.00	9.75	0.248	/
		Left Tilt	5200	0.337	0.56	10.00	9.75	0.357	67
5.2G WLAN ANT 2 MIMO	802.11n-HT20	Right Cheek	5200	0.173	-0.89	10.00	9.75	0.183	/
		Right Tilt	5200	0.252	-2.06	10.00	9.75	0.267	/
		Left Cheek	5200	0.226	3.34	10.00	9.75	0.239	/
		Left Tilt	5200	0.319	3.77	10.00	9.75	0.338	69
5.3G WLAN ANT1	802.11n-HT20	Right Cheek	5300	0.100	3.16	7.00	6.53	0.111	/
		Right Tilt	5300	0.131	0.08	7.00	6.53	0.146	/
		Left Cheek	5300	0.104	1.20	7.00	6.53	0.116	/
		Left Tilt	5300	0.150	2.29	7.00	6.53	0.167	71
5.3G WLAN ANT2	802.11ax-HE20	Right Cheek	5320	0.286	-0.32	10.00	9.93	0.291	/
		Right Tilt	5320	0.407	3.28	10.00	9.93	0.414	/
		Left Cheek	5320	0.364	-3.10	10.00	9.93	0.370	/
		Left Tilt	5320	0.509	2.55	10.00	9.93	0.517	73
5.3G WLAN ANT 1 MIMO	802.11n-HT20	Right Cheek	5300	0.157	-1.54	11.00	10.67	0.169	/
		Right Tilt	5300	0.209	-0.23	11.00	10.67	0.225	/
		Left Cheek	5300	0.176	2.31	11.00	10.67	0.190	/
		Left Tilt	5300	0.255	2.03	11.00	10.67	0.275	75
5.3G WLAN ANT 2 MIMO	802.11n-HT20	Right Cheek	5300	0.172	2.49	11.00	10.67	0.186	/
		Right Tilt	5300	0.248	1.49	11.00	10.67	0.268	/
		Left Cheek	5300	0.215	-0.78	11.00	10.67	0.232	/
		Left Tilt	5300	0.314	3.46	11.00	10.67	0.339	77
5.6G WLAN ANT1	802.11ac-VHT20	Right Cheek	5500	0.172	-1.61	6.50	6.02	0.192	/
		Right Tilt	5500	0.251	-3.30	6.50	6.02	0.280	/
		Left Cheek	5500	0.222	2.61	6.50	6.02	0.248	/
		Left Tilt	5500	0.306	-1.26	6.50	6.02	0.342	79
5.6G WLAN ANT2	802.11ac-VHT20	Right Cheek	5500	0.254	0.51	11.00	10.50	0.285	/
		Right Tilt	5500	0.362	0.04	11.00	10.50	0.406	/
		Left Cheek	5500	0.325	-2.84	11.00	10.50	0.365	/
		Left Tilt	5500	0.458	-2.63	11.00	10.50	0.514	81
5.6G WLAN ANT 1 MIMO	802.11n-HT20	Right Cheek	5500	0.199	3.12	11.00	10.66	0.215	/
		Right Tilt	5500	0.276	0.85	11.00	10.66	0.298	/
		Left Cheek	5500	0.240	2.91	11.00	10.66	0.260	/
		Left Tilt	5500	0.343	-0.43	11.00	10.66	0.371	83
	802.11n-HT20	Right Cheek	5500	0.230	-1.43	11.00	10.66	0.249	/
		Right Tilt	5500	0.321	-1.52	11.00	10.66	0.347	/



5.6G WLAN ANT 2 MIMO		Left Cheek	5500	0.285	-0.25	11.00	10.66	0.308	/
		Left Tilt	5500	0.397	1.43	11.00	10.66	0.429	85
5.8G WLAN ANT1	802.11n- HT20	Right Cheek	5785	0.111	2.12	6.50	6.15	0.120	/
		Right Tilt	5785	0.163	-0.36	6.50	6.15	0.177	/
		Left Cheek	5785	0.131	1.70	6.50	6.15	0.142	/
		Left Tilt	5785	0.190	-2.02	6.50	6.15	0.206	87
5.8G WLAN ANT2	802.11ac- VHT20	Right Cheek	5745	0.347	-0.40	9.50	9.29	0.364	/
		Right Tilt	5745	0.482	-2.60	9.50	9.29	0.506	/
		Left Cheek	5745	0.429	-1.24	9.50	9.29	0.450	/
		Left Tilt	5745	0.623	-1.50	9.50	9.29	0.654	89
5.8G WLAN ANT 1 MIMO	802.11n- HT20	Right Cheek	5785	0.188	-3.12	10.50	10.00	0.211	/
		Right Tilt	5785	0.260	3.20	10.50	10.00	0.292	/
		Left Cheek	5785	0.234	-0.58	10.50	10.00	0.263	/
		Left Tilt	5785	0.341	1.84	10.50	10.00	0.383	91
5.8G WLAN ANT 2 MIMO	802.11n- HT20	Right Cheek	5785	0.266	1.14	10.50	10.00	0.298	/
		Right Tilt	5785	0.371	-3.08	10.50	10.00	0.416	/
		Left Cheek	5785	0.339	-1.87	10.50	10.00	0.380	/
		Left Tilt	5785	0.486	0.40	10.50	10.00	0.545	93

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11ax-HE20 ANT 1	0.119	0.304
	802.11ax-HE20 ANT 2	0.185	
5.2G WLAN	802.11ac-VHT80 ANT 1	0.357	0.695
	802.11ac-VHT80 ANT 2	0.338	
5.3G WLAN	802.11n-HT40 ANT 1	0.275	0.614
	802.11n-HT40 ANT 2	0.339	
5.6G WLAN	802.11ac-VHT20 ANT 1	0.371	0.800
	802.11ac-VHT20 ANT 2	0.429	
5.8G WLAN	802.11n-HT20 ANT 1	0.383	0.928
	802.11n-HT20 ANT 2	0.545	

Note:

1. Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.

a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.

b. Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor

2. Per KDB 865664 D01, Repeated measurement is not required when the original highest measured SAR is <0.80 W/kg.



12.2 Body-worn and Hotspot SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM850	GPRS Data-4 Slot	Front Side	836.6	0.158	0.59	34.50	34.14	0.172	/
		Back Side	836.6	0.134	-0.47	34.50	34.14	0.146	/
		Left Side	836.6	0.209	1.67	34.50	34.14	0.227	/
		Right Side	836.6	0.093	1.29	34.50	34.14	0.101	/
		Top Side	836.6	0.094	-3.97	34.50	34.14	0.102	/
		Bottom Side	836.6	0.413	-0.27	34.50	34.14	0.449	2
PCS 1900	GPRS Data-4 Slot	Front Side	1880	0.266	3.22	32.00	31.85	0.275	/
		Back Side	1880	0.207	-1.09	32.00	31.85	0.214	/
		Left Side	1880	0.363	-1.95	32.00	31.85	0.376	/
		Right Side	1880	0.154	-0.38	32.00	31.85	0.159	/
		Top Side	1880	0.133	-2.81	32.00	31.85	0.138	/
		Bottom Side	1880	0.699	2.03	32.00	31.85	0.724	4
WCDMA Band II	RMC	Front Side	1880	0.284	-3.56	24.50	24.40	0.291	/
		Back Side	1880	0.213	-2.60	24.50	24.40	0.218	/
		Left Side	1880	0.376	1.67	24.50	24.40	0.385	/
		Right Side	1880	0.164	-0.38	24.50	24.40	0.168	/
		Bottom Side	1880	0.726	2.26	24.50	24.40	0.743	6
WCDMA Band IV	RMC	Front Side	1712.6	0.168	-2.72	25.00	24.67	0.181	/
		Back Side	1712.6	0.121	0.39	25.00	24.67	0.131	/
		Left Side	1712.6	0.213	2.96	25.00	24.67	0.230	/
		Right Side	1712.6	0.100	0.14	25.00	24.67	0.108	/
		Bottom Side	1712.6	0.417	1.42	25.00	24.67	0.450	8
WCDMA Band V	RMC	Front Side	846.6	0.122	3.35	24.50	24.26	0.129	/
		Back Side	846.6	0.084	-2.29	24.50	24.26	0.089	/
		Left Side	846.6	0.142	-3.36	24.50	24.26	0.150	/
		Right Side	846.6	0.072	3.71	24.50	24.26	0.076	/
		Bottom Side	846.6	0.280	-1.26	24.50	24.26	0.296	10
CDMA	BC0	Front Side	836.52	0.073	2.74	24.00	23.58	0.080	/
		Back Side	836.52	0.073	-0.32	24.00	23.58	0.080	/
		Left Side	836.52	0.110	2.17	24.00	23.58	0.121	/
		Right Side	836.52	0.050	-1.57	24.00	23.58	0.055	/
		Bottom Side	836.52	0.193	0.87	24.00	23.58	0.213	12
CDMA	BC1	Front Side	1908.75	0.171	0.52	23.00	22.60	0.187	/
		Back Side	1908.75	0.122	-2.11	23.00	22.60	0.134	/
		Left Side	1908.75	0.209	-0.34	23.00	22.60	0.229	/
		Right Side	1908.75	0.092	1.68	23.00	22.60	0.101	/
		Bottom Side	1908.75	0.417	-1.00	23.00	22.60	0.457	14
2.4G WLAN ANT 1	802.11b	Front Side	2412	0.069	-2.41	16.50	16.26	0.073	/
		Back Side	2412	0.070	3.64	16.50	16.26	0.074	/
		Left Side	2412	0.095	3.77	16.50	16.26	0.100	16
		Right Side	2412	0.038	-2.97	16.50	16.26	0.040	/
		Top Side	2412	0.084	-2.56	16.50	16.26	0.089	/
2.4G WLAN ANT 2	802.11b	Front Side	2462	0.133	-1.31	15.00	14.67	0.143	/
		Back Side	2462	0.119	-3.72	15.00	14.67	0.128	/
		Left Side	2462	0.072	2.62	15.00	14.67	0.078	/
		Right Side	2462	0.165	0.97	15.00	14.67	0.178	/
		Top Side	2462	0.230	0.06	15.00	14.67	0.248	18



2.4G WLAN ANT 1 MIMO	802.11n- HT20	Front Side	2412	0.095	0.75	16.50	16.03	0.106	/
		Back Side	2412	0.084	-1.86	16.50	16.03	0.094	/
		Left Side	2412	0.119	3.35	16.50	16.03	0.133	20
		Right Side	2412	0.040	1.09	16.50	16.03	0.045	/
		Top Side	2412	0.097	-3.24	16.50	16.03	0.082	/
2.4G WLAN ANT 2 MIMO	802.11n- HT20	Front Side	2412	0.116	-3.75	16.50	16.03	0.129	/
		Back Side	2412	0.092	3.65	16.50	16.03	0.103	/
		Left Side	2412	0.044	-0.72	16.50	16.03	0.049	/
		Right Side	2412	0.134	-0.32	16.50	16.03	0.149	/
		Top Side	2412	0.183	2.50	16.50	16.03	0.204	22

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11n-HT20 ANT 1 Left Side	0.133	0.182
	802.11n-HT20 ANT 2 Left Side	0.049	
	802.11n-HT20 ANT 1 Top Side	0.082	0.286
	802.11n-HT20 ANT 2 Top Side	0.204	



Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Front side	1880	0.214	3.95	25.00	24.89	0.219	/
			50	0	Front side	1860	0.174	1.12	24.00	23.77	0.183	/
			1	0	Back Side	1880	0.370	-3.19	25.00	24.89	0.379	/
			50	0	Back Side	1860	0.313	1.90	24.00	23.77	0.330	/
			1	0	Left Side	1880	0.087	-2.10	25.00	24.89	0.089	/
			50	0	Left Side	1860	0.048	-0.79	24.00	23.77	0.051	/
			1	0	Right Side	1880	0.044	0.60	25.00	24.89	0.045	/
			50	0	Right Side	1860	0.023	2.14	24.00	23.77	0.024	/
			1	0	Bottom Side	1880	0.688	2.59	25.00	24.89	0.706	24
			50	0	Bottom Side	1860	0.545	-3.30	24.00	23.77	0.575	/
LTE Band 4	20M	QPSK	1	0	Front side	1745	0.154	-3.44	25.50	25.04	0.171	/
			50	0	Front side	1745	0.123	-2.52	24.50	24.12	0.134	/
			1	0	Back Side	1745	0.133	-0.26	25.50	25.04	0.148	/
			50	0	Back Side	1745	0.099	-3.40	24.50	24.12	0.108	/
			1	0	Left Side	1745	0.198	-0.01	25.50	25.04	0.220	/
			50	0	Left Side	1745	0.162	-0.57	24.50	24.12	0.177	/
			1	0	Right Side	1745	0.085	0.00	25.50	25.04	0.094	/
			50	0	Right Side	1745	0.044	0.93	24.50	24.12	0.048	/
			1	0	Bottom Side	1745	0.395	1.82	25.50	25.04	0.439	26
			50	0	Bottom Side	1745	0.330	3.61	24.50	24.12	0.360	/



LTE Band 5	10M	QPSK	1	0	Front side	844	0.105	-3.19	25.50	25.02	0.117	/
			25	0	Front side	844	0.073	-2.73	24.00	23.93	0.074	/
			1	0	Back Side	844	0.215	-0.42	25.50	25.02	0.240	/
			25	0	Back Side	844	0.160	-1.56	24.00	23.93	0.163	/
			1	0	Left Side	844	0.143	3.20	25.50	25.02	0.160	/
			25	0	Left Side	844	0.099	-0.57	24.00	23.93	0.101	/
			1	0	Right Side	844	0.056	3.92	25.50	25.02	0.063	/
			25	0	Right Side	844	0.045	-0.63	24.00	23.93	0.046	/
			1	0	Top Side	844	0.036	-0.16	25.50	25.02	0.040	/
			25	0	Top Side	844	0.020	1.41	24.00	23.93	0.020	/
			1	0	Bottom Side	844	0.276	-0.98	25.50	25.02	0.308	28
			25	0	Bottom Side	844	0.217	-0.46	24.00	23.93	0.221	/
LTE Band 7	20M	QPSK	1	0	Front side	2535	0.371	2.80	26.00	25.71	0.397	/
			50	0	Front side	2535	0.268	-2.60	26.00	25.62	0.293	/
			1	0	Back Side	2535	0.203	-0.12	26.00	25.71	0.217	/
			50	0	Back Side	2535	0.166	-3.30	26.00	25.62	0.181	/
			1	0	Left Side	2535	0.133	1.23	26.00	25.71	0.142	/
			50	0	Left Side	2535	0.116	-2.34	26.00	25.62	0.127	/
			1	0	Right Side	2535	0.301	-2.12	26.00	25.71	0.322	/
			50	0	Right Side	2535	0.251	1.36	26.00	25.62	0.274	/
			1	0	Top Side	2535	0.580	-3.46	26.00	25.71	0.620	30
			50	0	Top Side	2535	0.459	-3.92	26.00	25.62	0.501	/
LTE Band 12	10M	QPSK	1	0	Front side	704	0.039	-2.01	25.00	24.60	0.043	/
			25	0	Front side	704	0.026	-0.52	24.00	23.49	0.029	/
			1	0	Back Side	704	0.032	1.54	25.00	24.60	0.035	/
			25	0	Back Side	704	0.020	0.37	24.00	23.49	0.022	/
			1	0	Left Side	704	0.042	-3.66	25.00	24.60	0.046	/
			25	0	Left Side	704	0.035	-1.06	24.00	23.49	0.039	/
			1	0	Right Side	704	0.021	3.37	25.00	24.60	0.023	/
			25	0	Right Side	704	0.016	3.55	24.00	23.49	0.018	/
			1	0	Bottom Side	704	0.062	-1.56	25.00	24.60	0.068	32
			25	0	Bottom Side	704	0.057	2.59	24.00	23.49	0.064	/



LTE Band 13	10M	QPSK	1	0	Front side	782	0.064	-2.46	25.00	24.80	0.067	/
			25	0	Front side	782	0.049	-1.31	24.00	23.69	0.053	/
			1	0	Back Side	782	0.062	-3.43	25.00	24.80	0.065	/
			25	0	Back Side	782	0.021	3.89	24.00	23.69	0.023	/
			1	0	Left Side	782	0.094	0.65	25.00	24.80	0.098	/
			25	0	Left Side	782	0.080	-0.29	24.00	23.69	0.086	/
			1	0	Right Side	782	0.047	-2.75	25.00	24.80	0.049	/
			25	0	Right Side	782	0.034	-0.94	24.00	23.69	0.037	/
			1	0	Bottom Side	782	0.156	0.49	25.00	24.80	0.163	34
			25	0	Bottom Side	782	0.121	3.89	24.00	23.69	0.130	/
LTE Band 17	10M	QPSK	1	0	Front side	709	0.040	-3.15	25.50	25.10	0.044	/
			25	0	Front side	710	0.021	1.69	24.50	24.00	0.024	/
			1	0	Back Side	709	0.028	-3.27	25.50	25.10	0.031	/
			25	0	Back Side	710	0.017	-3.50	24.50	24.00	0.019	/
			1	0	Left Side	709	0.038	1.82	25.50	25.10	0.042	/
			25	0	Left Side	710	0.035	1.93	24.50	24.00	0.039	/
			1	0	Right Side	709	0.025	-2.28	25.50	25.10	0.027	/
			25	0	Right Side	710	0.015	-2.40	24.50	24.00	0.017	/
			1	0	Bottom Side	709	0.068	-2.87	25.50	25.10	0.075	36
			25	0	Bottom Side	710	0.055	0.00	24.50	24.00	0.062	/
LTE Band 25	20M	QPSK	1	0	Front side	1860	0.243	-1.46	25.50	25.00	0.273	/
			50	0	Front side	1882.5	0.195	-1.82	24.00	23.96	0.197	/
			1	0	Back Side	1860	0.181	2.80	25.50	25.00	0.203	/
			50	0	Back Side	1882.5	0.145	-2.80	24.00	23.96	0.146	/
			1	0	Left Side	1860	0.320	1.72	25.50	25.00	0.359	/
			50	0	Left Side	1882.5	0.259	-0.98	24.00	23.96	0.261	/
			1	0	Right Side	1860	0.127	-3.71	25.50	25.00	0.142	/
			50	0	Right Side	1882.5	0.098	3.97	24.00	23.96	0.099	/
			1	0	Bottom Side	1860	0.608	3.62	25.50	25.00	0.682	38
			50	0	Bottom Side	1882.5	0.489	-2.76	24.00	23.96	0.494	/



LTE Band 26	15M	QPSK	1	0	Front side	841.5	0.089	-2.46	25.00	24.95	0.090	/
			36	0	Front side	841.5	0.066	2.43	24.00	23.89	0.068	/
			1	0	Back Side	841.5	0.066	-0.36	25.00	24.95	0.067	/
			36	0	Back Side	841.5	0.052	-3.98	24.00	23.89	0.053	/
			1	0	Left Side	841.5	0.116	-1.77	25.00	24.95	0.117	/
			36	0	Left Side	841.5	0.089	-1.43	24.00	23.89	0.091	/
			1	0	Right Side	841.5	0.062	2.65	25.00	24.95	0.063	/
			36	0	Right Side	841.5	0.040	-1.25	24.00	23.89	0.041	/
			1	0	Bottom Side	841.5	0.212	-0.47	25.00	24.95	0.214	40
			36	0	Bottom Side	841.5	0.169	3.15	24.00	23.89	0.173	/
LTE Band 38	20M	QPSK	1	0	Front side	2610	0.228	1.88	26.50	26.45	0.231	/
			50	0	Front side	2580	0.179	0.71	26.00	25.56	0.198	/
			1	0	Back Side	2610	0.183	-3.66	26.50	26.45	0.185	/
			50	0	Back Side	2580	0.165	-3.71	26.00	25.56	0.183	/
			1	0	Left Side	2610	0.307	0.73	26.50	26.45	0.311	/
			50	0	Left Side	2580	0.243	-0.77	26.00	25.56	0.269	/
			1	0	Right Side	2610	0.129	-0.73	26.50	26.45	0.130	/
			50	0	Right Side	2580	0.114	1.54	26.00	25.56	0.126	/
			1	0	Top Side	2610	0.581	-3.77	26.50	26.45	0.588	42
			50	0	Top Side	2580	0.468	0.68	26.00	25.56	0.518	/
LTE Band 40	10M	QPSK	1	0	Front side	2310	0.182	0.25	12.50	12.08	0.200	/
			50	0	Front side	2310	0.138	-1.88	11.50	11.14	0.150	/
			1	0	Back Side	2310	0.147	-2.12	12.50	12.08	0.162	/
			50	0	Back Side	2310	0.116	-0.97	11.50	11.14	0.126	/
			1	0	Left Side	2310	0.091	-0.74	12.50	12.08	0.100	/
			50	0	Left Side	2310	0.078	3.01	11.50	11.14	0.085	/
			1	0	Right Side	2310	0.240	-2.56	12.50	12.08	0.264	/
			50	0	Right Side	2310	0.194	-0.95	11.50	11.14	0.211	/
			1	0	Top Side	2310	0.457	-2.95	12.50	12.08	0.503	44
			50	0	Top Side	2310	0.366	2.49	11.50	11.14	0.398	/



LTE Band 41	20M	QPSK	1	0	Front side	2506	0.176	1.29	25.50	25.01	0.197	/
			50	0	Front side	2506	0.130	-1.11	25.00	24.73	0.138	/
			1	0	Back Side	2506	0.137	3.25	25.50	25.01	0.153	/
			50	0	Back Side	2506	0.085	3.41	25.00	24.73	0.090	/
			1	0	Left Side	2506	0.102	-1.80	25.50	25.01	0.114	/
			50	0	Left Side	2506	0.087	-0.97	25.00	24.73	0.093	/
			1	0	Right Side	2506	0.231	0.53	25.50	25.01	0.259	/
			50	0	Right Side	2506	0.177	-0.95	25.00	24.73	0.188	/
			1	0	Top Side	2506	0.453	-0.58	25.50	25.01	0.507	46
			50	0	Top Side	2506	0.374	0.61	25.00	24.73	0.398	/
LTE Band 66	20M	QPSK	1	0	Front side	1745	0.151	1.40	25.00	24.66	0.163	/
			50	0	Front side	1745	0.130	1.32	24.00	23.59	0.143	/
			1	0	Back Side	1745	0.107	2.20	25.00	24.66	0.116	/
			50	0	Back Side	1745	0.074	3.64	24.00	23.59	0.081	/
			1	0	Left Side	1745	0.181	-3.14	25.00	24.66	0.196	/
			50	0	Left Side	1745	0.158	-1.09	24.00	23.59	0.174	/
			1	0	Right Side	1745	0.079	0.97	25.00	24.66	0.085	/
			50	0	Right Side	1745	0.054	-1.56	24.00	23.59	0.059	/
			1	0	Bottom Side	1745	0.359	0.37	25.00	24.66	0.388	48
			50	0	Bottom Side	1745	0.274	3.24	24.00	23.59	0.301	/
SA N2	20M	DFT_QPSK	1	1	Front side	1900	0.190	2.69	24.00	23.67	0.205	/
			50	25	Front side	1900	0.253	-1.75	24.00	23.95	0.256	/
			1	1	Back Side	1900	0.166	2.88	24.00	23.67	0.179	/
			50	25	Back Side	1900	0.208	3.76	24.00	23.95	0.210	/
			1	1	Left Side	1900	0.271	-1.87	24.00	23.67	0.292	/
			50	25	Left Side	1900	0.354	1.39	24.00	23.95	0.358	/
			1	1	Right Side	1900	0.131	-3.94	24.00	23.67	0.141	/
			50	25	Right Side	1900	0.156	3.80	24.00	23.95	0.158	/
			1	1	Bottom Side	1900	0.539	-2.83	24.00	23.67	0.582	/
			50	25	Bottom Side	1900	0.680	-1.11	24.00	23.95	0.688	50



SA N5	20M	DFT_QPSK	1	104	Front side	836.5	0.074	0.95	24.5	24.04	0.082	/
			50	25	Front side	839	0.115	-3.30	24.5	24.08	0.127	/
			1	104	Back Side	836.5	0.074	-3.50	24.5	24.04	0.082	/
			50	25	Back Side	839	0.103	-1.74	24.5	24.08	0.113	/
			1	104	Left Side	836.5	0.131	-1.78	24.5	24.04	0.146	/
			50	25	Left Side	839	0.165	2.54	24.5	24.08	0.182	/
			1	104	Right Side	836.5	0.058	3.50	24.5	24.04	0.064	/
			50	25	Right Side	839	0.063	-2.16	24.5	24.08	0.069	/
			1	104	Bottom Side	836.5	0.256	-3.36	24.5	24.04	0.285	/
			50	25	Bottom Side	839	0.303	-1.66	24.5	24.08	0.334	52
SA N7	20M	DFT_QPSK	1	1	Front side	2510	0.297	2.04	24.00	23.87	0.306	/
			50	25	Front side	2560	0.382	3.40	24.50	24.08	0.421	/
			1	1	Back Side	2510	0.203	-1.05	24.00	23.87	0.209	/
			50	25	Back Side	2560	0.255	1.30	24.50	24.08	0.281	/
			1	1	Left Side	2510	0.153	-2.15	24.00	23.87	0.158	/
			50	25	Left Side	2560	0.171	-3.18	24.50	24.08	0.188	/
			1	1	Right Side	2510	0.118	-2.47	24.00	23.87	0.122	/
			50	25	Right Side	2560	0.141	0.91	24.50	24.08	0.155	/
			1	1	Top Side	2510	0.418	2.75	24.00	23.87	0.431	/
			50	25	Top Side	2560	0.523	-0.71	24.50	24.08	0.576	54
SA N25	20M	DFT_QPSK	1	104	Front side	1905	0.212	-1.65	24.5	24.01	0.237	/
			50	25	Front side	1905	0.261	-3.82	24.5	24.11	0.286	/
			1	104	Back Side	1905	0.165	2.09	24.5	24.01	0.185	/
			50	25	Back Side	1905	0.215	3.98	24.5	24.11	0.235	/
			1	104	Left Side	1905	0.284	-0.44	24.5	24.01	0.318	/
			50	25	Left Side	1905	0.359	-0.50	24.5	24.11	0.393	/
			1	104	Right Side	1905	0.114	3.83	24.5	24.01	0.128	/
			50	25	Right Side	1905	0.151	0.48	24.5	24.11	0.165	/
			1	104	Bottom Side	1905	0.551	-3.26	24.5	24.01	0.617	/
			50	25	Bottom Side	1905	0.689	0.35	24.5	24.11	0.754	56



SA N38	40M	DFT_QPSK	1	104	Front side	2600	0.486	2.24	24	23.63	0.529	/
			50	25	Front side	2600	0.556	3.26	24.5	24.06	0.615	/
			1	104	Back Side	2600	0.227	-3.91	24	23.63	0.247	/
			50	25	Back Side	2600	0.383	-1.91	24.5	24.06	0.424	/
			1	104	Left Side	2600	0.152	-0.52	24	23.63	0.166	/
			50	25	Left Side	2600	0.203	-2.06	24.5	24.06	0.225	/
			1	104	Right Side	2600	0.392	2.15	24	23.63	0.427	/
			50	25	Right Side	2600	0.469	3.85	24.5	24.06	0.519	/
			1	104	Top Side	2600	0.730	-2.43	24	23.63	0.795	/
			50	25	Top Side	2590	0.873	3.32	24.5	24.05	0.968	/
			50	25	Top Side	2595	0.822	-1.28	24.5	24.03	0.916	/
			50	25	Top Side	2600	0.916	2.69	24.5	24.06	1.014	58
SA N41	100M	DFT_QPSK	1	1	Front side	2546.01	0.104	-1.24	23	22.81	0.109	/
			135	67	Front side	2640	0.172	-3.76	24	23.5	0.193	/
			1	1	Back Side	2546.01	0.214	0.34	23	22.81	0.224	/
			135	67	Back Side	2640	0.292	1.11	24	23.5	0.328	/
			1	1	Left Side	2546.01	0.073	-0.07	23	22.81	0.076	/
			135	67	Left Side	2640	0.091	-2.91	24	23.5	0.102	/
			1	1	Right Side	2546.01	0.277	1.39	23	22.81	0.289	/
			135	67	Right Side	2640	0.362	3.23	24	23.5	0.406	/
			1	1	Top Side	2546.01	0.353	0.86	23	22.81	0.369	/
			135	67	Top Side	2640	0.603	-3.78	24	23.5	0.677	60
SA N77	100M	DFT_BPSK	1	271	Front side	3500	0.151	1.62	23	22.93	0.153	/
			135	67	Front side	3500	0.187	0.80	23.5	23.47	0.188	/
			1	271	Back Side	3500	0.093	-2.06	23	22.93	0.095	/
			135	67	Back Side	3500	0.119	-2.76	23.5	23.47	0.120	/
			1	271	Left Side	3500	0.043	2.03	23	22.93	0.044	/
			135	67	Left Side	3500	0.060	-0.53	23.5	23.47	0.060	/
			1	271	Right Side	3500	0.086	0.72	23	22.93	0.087	/
			135	67	Right Side	3500	0.126	1.02	23.5	23.47	0.127	/
			1	271	Bottom Side	3500	0.167	0.19	23	22.93	0.170	/
			135	67	Bottom Side	3500	0.218	3.48	23.5	23.47	0.220	62



NSA

Band	BW (MHz)	Mod.	RB config	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
SA N41	100M	DFT_QPSK	1	Front side	2546.01	0.104	-1.24	23	22.81	0.109	/
			135	Front side	2640	0.172	-3.76	24	23.5	0.193	/
			1	Back Side	2546.01	0.214	0.34	23	22.81	0.224	/
			135	Back Side	2640	0.292	1.11	24	23.5	0.328	/
			1	Left Side	2546.01	0.073	-0.07	23	22.81	0.076	/
			135	Left Side	2640	0.091	-2.91	24	23.5	0.102	/
			1	Right Side	2546.01	0.277	1.39	23	22.81	0.289	/
			135	Right Side	2640	0.362	3.23	24	23.5	0.406	/
			1	Top Side	2546.01	0.353	0.86	23	22.81	0.369	/
			135	Top Side	2640	0.603	-3.78	24	23.5	0.677	60
LTE Band 5	10M	QPSK	1	Front side	844	0.105	-3.19	25.50	25.02	0.117	/
			25	Front side	844	0.073	-2.73	24.00	23.93	0.074	/
			1	Back Side	844	0.215	-0.42	25.50	25.02	0.240	/
			25	Back Side	844	0.160	-1.56	24.00	23.93	0.163	/
			1	Left Side	844	0.143	3.20	25.50	25.02	0.160	/
			25	Left Side	844	0.099	-0.57	24.00	23.93	0.101	/
			1	Right Side	844	0.056	3.92	25.50	25.02	0.063	/
			25	Right Side	844	0.045	-0.63	24.00	23.93	0.046	/
			1	Top Side	844	0.036	-0.16	25.50	25.02	0.040	/
			25	Top Side	844	0.020	1.41	24.00	23.93	0.020	/
			1	Bottom Side	844	0.276	-0.98	25.50	25.02	0.308	28
			25	Bottom Side	844	0.217	-0.46	24.00	23.93	0.221	/

Band	Mode	Max SAR (W/Kg)	NSA
NSA N41+ LTE B5	SA N41 Left Side	0.091	0.234
	LTE B5 Left Side	0.143	
NSA N41+ LTE B5	SA N41 Top Side	0.677	0.713
	LTE B5 Top Side	0.036	



Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas.No.
5.2G WLAN ANT 1	802.11ac-VHT80	Front Side	5210	0.116	-0.84	7.00	6.85	0.120	/
		Back Side	5210	0.094	2.31	7.00	6.85	0.097	/
		Left Side	5210	0.150	0.94	7.00	6.85	0.155	64
		Right Side	5210	0.035	1.60	7.00	6.85	0.036	/
		Top Side	5210	0.105	2.37	7.00	6.85	0.109	/
5.2G WLAN ANT 2	802.11ax-HE20	Front Side	5240	0.091	-0.18	9.00	8.81	0.095	/
		Back Side	5240	0.077	-3.07	9.00	8.81	0.080	/
		Left Side	5240	0.053	-3.29	9.00	8.81	0.055	/
		Right Side	5240	0.118	3.09	9.00	8.81	0.123	/
		Top Side	5240	0.158	-2.94	9.00	8.81	0.165	66
5.2G WLAN ANT 1 MIMO	802.11n-HT20	Front Side	5200	0.294	1.87	10.00	9.75	0.311	/
		Back Side	5200	0.263	2.41	10.00	9.75	0.279	/
		Left Side	5200	0.444	-3.72	10.00	9.75	0.470	68
		Right Side	5200	0.104	0.85	10.00	9.75	0.110	/
		Top Side	5200	0.311	3.55	10.00	9.75	0.329	/
5.2G WLAN ANT 2 MIMO	802.11n-HT20	Front Side	5200	0.177	0.99	10.00	9.75	0.187	/
		Back Side	5200	0.151	0.09	10.00	9.75	0.160	/
		Left Side	5200	0.078	2.67	10.00	9.75	0.083	/
		Right Side	5200	0.211	2.02	10.00	9.75	0.224	/
		Top Side	5200	0.286	-3.79	10.00	9.75	0.303	70
5.3G WLAN ANT 1	802.11n-HT40	Front Side	5300	0.118	-0.98	7.00	6.53	0.131	/
		Back Side	5300	0.102	-1.30	7.00	6.53	0.114	/
		Left Side	5300	0.160	1.02	7.00	6.53	0.178	72
		Right Side	5300	0.050	-1.45	7.00	6.53	0.056	/
		Top Side	5300	0.126	2.00	7.00	6.53	0.140	/
5.3G WLAN ANT 2	802.11ax-HE20	Front Side	5320	0.075	2.60	10.00	9.93	0.076	/
		Back Side	5320	0.062	-2.25	10.00	9.93	0.063	/
		Left Side	5320	0.036	-1.88	10.00	9.93	0.037	/
		Right Side	5320	0.085	0.02	10.00	9.93	0.086	/
		Top Side	5320	0.111	-0.23	10.00	9.93	0.113	74
5.3G WLAN ANT 1 MIMO	802.11n-HT20	Front Side	5300	0.213	-1.97	11.00	10.67	0.230	/
		Back Side	5300	0.177	1.76	11.00	10.67	0.191	/
		Left Side	5300	0.304	2.23	11.00	10.67	0.328	76
		Right Side	5300	0.075	1.08	11.00	10.67	0.081	/
		Top Side	5300	0.229	3.83	11.00	10.67	0.247	/
5.3G WLAN ANT 2 MIMO	802.11n-HT20	Front Side	5300	0.148	0.59	11.00	10.67	0.160	/
		Back Side	5300	0.126	1.55	11.00	10.67	0.136	/
		Left Side	5300	0.072	-1.40	11.00	10.67	0.078	/
		Right Side	5300	0.178	2.90	11.00	10.67	0.192	/
		Top Side	5300	0.235	3.48	11.00	10.67	0.254	78
5.6G WLAN ANT 1	802.11ac-VHT20	Front Side	5500	0.113	0.25	6.50	6.02	0.126	/
		Back Side	5500	0.117	1.77	6.50	6.02	0.131	/
		Left Side	5500	0.154	-2.27	6.50	6.02	0.172	80
		Right Side	5500	0.037	3.34	6.50	6.02	0.041	/
		Top Side	5500	0.121	-3.75	6.50	6.02	0.135	/
5.6G WLAN ANT 2	802.11ac-VHT20	Front Side	5500	0.076	-2.09	11.00	10.50	0.085	/
		Back Side	5500	0.071	-0.80	11.00	10.50	0.080	/
		Left Side	5500	0.042	-0.71	11.00	10.50	0.047	/
		Right Side	5500	0.099	-0.35	11.00	10.50	0.111	/
		Top Side	5500	0.124	-3.51	11.00	10.50	0.139	82
5.6G WLAN ANT 1 MIMO	802.11n-HT20	Front Side	5500	0.169	3.02	11.00	10.66	0.183	/
		Back Side	5500	0.138	-3.93	11.00	10.66	0.149	/
		Left Side	5500	0.240	0.84	11.00	10.66	0.260	84
		Right Side	5500	0.061	-0.32	11.00	10.66	0.066	/
		Top Side	5500	0.179	-3.04	11.00	10.66	0.194	/
		Front Side	5500	0.138	1.27	11.00	10.66	0.149	/



5.6G WLAN ANT 2 MIMO	802.11n-HT20	Back Side	5500	0.127	-3.48	11.00	10.66	0.137	/
		Left Side	5500	0.067	2.05	11.00	10.66	0.072	/
		Right Side	5500	0.181	-1.58	11.00	10.66	0.196	/
		Top Side	5500	0.239	-0.72	11.00	10.66	0.258	86
5.8G WLAN ANT 1	802.11n-HT20	Front Side	5785	0.148	1.84	6.50	6.15	0.160	/
		Back Side	5785	0.161	-0.58	6.50	6.15	0.175	/
		Left Side	5785	0.098	-2.21	6.50	6.15	0.106	/
		Right Side	5785	0.057	1.44	6.50	6.15	0.062	/
		Top Side	5785	0.224	-3.87	6.50	6.15	0.243	88
5.8G WLAN ANT 2	802.11ac-VHT20	Front Side	5745	0.141	-0.39	9.50	9.29	0.148	/
		Back Side	5745	0.106	2.48	9.50	9.29	0.111	/
		Left Side	5745	0.071	0.90	9.50	9.29	0.075	/
		Right Side	5745	0.164	-2.86	9.50	9.29	0.172	/
		Top Side	5745	0.230	1.36	9.50	9.29	0.241	90
5.8G WLAN ANT 1 MIMO	802.11n-HT20	Front Side	5785	0.244	-2.44	10.50	10.00	0.274	/
		Back Side	5785	0.205	1.30	10.50	10.00	0.230	/
		Left Side	5785	0.264	0.09	10.50	10.00	0.296	92
		Right Side	5785	0.085	-0.67	10.50	10.00	0.095	/
		Top Side	5785	0.259	-2.53	10.50	10.00	0.291	/
5.8G WLAN ANT 2 MIMO	802.11n-HT20	Front Side	5785	0.198	3.93	10.50	10.00	0.222	/
		Back Side	5785	0.166	1.51	10.50	10.00	0.186	/
		Left Side	5785	0.084	-3.12	10.50	10.00	0.094	/
		Right Side	5785	0.252	3.29	10.50	10.00	0.283	/
		Top Side	5785	0.241	-3.95	10.50	10.00	0.270	94

Band	Mode	Max SAR(W/Kg)	WIFI MIMO
5.2G WLAN	802.11ac-VHT80 ANT 1 Left Side	0.47	0.553
	802.11ac-VHT80 ANT 2 Left Side	0.083	
	802.11ac-VHT80 ANT 1 Top Side	0.329	0.632
	802.11ac-VHT80 ANT 2 Top Side	0.303	
5.3G WLAN	802.11n-HT40 ANT 1 Left Side	0.328	0.406
	802.11n-HT40 ANT 2 Left Side	0.078	
	802.11n-HT40 ANT 1 Top Side	0.247	0.501
	802.11n-HT40 ANT 2 Top Side	0.254	
5.6G WLAN	802.11ac-VHT20 ANT 1 Left Side	0.26	0.332
	802.11ac-VHT20 ANT 2 Left Side	0.072	
	802.11ac-VHT20 ANT 1 Top Side	0.194	0.452
	802.11ac-VHT20 ANT 2 Top Side	0.258	
5.8G WLAN	802.11n-HT20 ANT 1 Left Side	0.296	0.39
	802.11n-HT20 ANT 2 Left Side	0.094	
5.8G WLAN	802.11n-HT20 ANT 1 Top Side	0.291	0.561
	802.11n-HT20 ANT 2 Top Side	0.27	

Note:

- The test separation of all above table is 10mm.
- Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor
- When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.



12.3 Repeated SAR

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)
SA N38	40M	DFT_QPSK	50	25	Top Side	2590	0.857	-1.64	24.5	24.05	0.951
			50	25	Top Side	2595	0.818	-1.51	24.5	24.03	0.912
			50	25	Top Side	2600	0.894	-3.63	24.5	24.06	0.989

12.4 Repeated SAR measurement

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 1g(W/kg) 1g (W/Kg)	1 st Repeated SAR 1g	Ratio
SA N38	40M	DFT_QPSK	50	25	Top Side	2590	0.873	0.857	1.019
			50	25	Top Side	2595	0.822	0.818	1.004
			50	25	Top Side	2600	0.916	0.894	1.025

Note:

1. Per KDB 865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/Kg.
2. Per KDB 865664 D01, if the ratio of largest to smallest SAR for the original and first repeated measurement is ≤ 1.2 and the measured SAR < 1.45 W/Kg, only one repeated measurement is required.
3. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/Kg.
4. The ratio is the difference in percentage between original and repeated measured SAR.



12.5 Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

Position	Simultaneous State
Head	1. GSM + 2.4GHz WLAN/5G WLAN
	2. GSM + Bluetooth
	3. WCDMA + 2.4GHz WLAN/5G WLAN
	4. WCDMA + Bluetooth
	5. LTE + 2.4GHz WLAN/5G WLAN
	6. LTE + Bluetooth
	7. CDMA + 2.4GHz WLAN
	8. CDMA + 5GHz WLAN
	9. CDMA + Bluetooth
Body	1. GSM + 2.4GHz WLAN/5G WLAN
	2. GSM + Bluetooth
	3. WCDMA + 2.4GHz WLAN/5G WLAN
	4. WCDMA + Bluetooth
	5. LTE + 2.4GHz WLAN/5G WLAN
	6. LTE + Bluetooth
	7. CDMA + 2.4GHz WLAN
	8. CDMA + 5GHz WLAN
	9. CDMA + Bluetooth

NOTE:

1. Bluetooth and WLAN can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
4. KDB 447498 / 4.3.2 (2) when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:
 - a) $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f} (\text{GHz}) / x] \text{ W/kg}$ for test separation distances $\leq 50 \text{ mm}$;
Where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.
 - b) 0.4 W/Kg for 1-g SAR and 1.0 W/Kg for 10-g SAR, when the separation distance is $>50 \text{ mm}$.

Estimated SAR		Maximum Turn-up Power		Antenna to user(mm)	Frequency(GHz)	Stand Alone SAR(1g) [W/kg]
		dBm	mW			
BLE	Head	2.5	1.778	5	2.402	0.073
	Body			5	2.402	0.073



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN	Head	GSM	0.188	0.515
		2.4G WLAN	0.327	
	Body	GSM	0.724	1.061
		2.4G WLAN	0.337	
GSM + Bluetooth	Head	GSM	0.188	0.261
		Bluetooth	0.073	
	Body	GSM	0.724	0.797
		Bluetooth	0.073	
GSM + 5G WLAN	Head	GSM	0.188	1.116
		5G WLAN	0.928	
	Body	GSM	0.724	1.285
		5G WLAN	0.561	
WCDMA + 2.4G WLAN	Head	WCDMA	0.117	0.444
		2.4G WLAN	0.327	
	Body	WCDMA	0.743	1.080
		2.4G WLAN	0.337	
WCDMA + Bluetooth	Head	WCDMA	0.117	0.190
		Bluetooth	0.073	
	Body	WCDMA	0.743	0.816
		Bluetooth	0.073	
WCDMA + 5G WLAN	Head	WCDMA	0.117	1.045
		5G WLAN	0.928	
	Body	WCDMA	0.743	1.304
		5G WLAN	0.561	
CDMA + 2.4G WLAN	Head	CDMA	0.101	0.428
		2.4G WLAN	0.327	
	Body	CDMA	0.457	0.794
		2.4G WLAN	0.337	
CDMA + Bluetooth	Head	CDMA	0.101	0.174
		Bluetooth	0.073	
	Body	CDMA	0.457	0.530
		Bluetooth	0.073	
CDMA + 5G WLAN	Head	CDMA	0.101	1.029
		5G WLAN	0.928	
	Body	CDMA	0.457	1.018
		5G WLAN	0.561	
LTE + 2.4G WLAN	Head	LTE	0.193	0.520
		2.4G WLAN	0.327	
	Body	LTE	0.706	1.043
		2.4G WLAN	0.337	
LTE + Bluetooth	Head	LTE	0.193	0.266
		Bluetooth	0.073	
	Body	LTE	0.706	0.779
		Bluetooth	0.073	
LTE + 5G WLAN	Head	LTE	0.193	1.121
		5G WLAN	0.928	
	Body	LTE	0.706	1.267
		5G WLAN	0.561	
SA + 2.4G WLAN	Head	SA	0.357	0.684
		2.4G WLAN	0.327	
	Body	SA	1.014	1.351
		2.4G WLAN	0.337	
SA+ Bluetooth	Head	SA	0.357	0.430
		Bluetooth	0.073	



	Body	SA	1.014	1.087
		Bluetooth	0.073	
SA + 5G WLAN	Head	SA	0.357	1.285
		5G WLAN	0.928	
	Body	SA	1.014	1.575
		5G WLAN	0.561	
NSA + 2.4G WLAN	Head	NR NSA	0.505	0.832
		2.4G WLAN	0.327	
	Body Left Side	NR NSA	0.388	0.570
		2.4G WLAN	0.182	
	Body Top Side	NR NSA	0.713	0.999
		2.4G WLAN	0.286	
NSA+Bluetooth	Head	NR NSA	0.505	0.578
		Bluetooth	0.073	
	Body Left Side	NR NSA	0.388	0.461
		Bluetooth	0.073	
	Body Top Side	NR NSA	0.713	0.786
		Bluetooth	0.073	
NSA + 5G WLAN	Head	NR NSA	0.505	1.433
		5G WLAN	0.928	
	Body Left Side	NR NSA	0.388	0.941
		5G WLAN	0.553	
	Body Top Side	NR NSA	0.713	1.274
		5G WLAN	0.561	

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna.

When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR-1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR-1g 1.6 W/kg), SAR test exclusion is determined by the SPLSR.



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
750MHz Dipole	MVG	DIP0G750	SN 06/22 DIP0G750-638	2022.02.11	2025.02.10
835MHz Dipole	MVG	DIP0G835	SN 06/22 DIP0G835-639	2022.02.11	2025.02.10
1800MHz Dipole	MVG	DIP1G800	SN 06/22 DIP1G800-640	2022.02.11	2025.02.10
1900MHz Dipole	MVG	DIP1G900	SN 06/22 DIP1G900-641	2022.02.11	2025.02.10
2300MHz Dipole	MVG	DIP2G300	SN 06/22 DIP2G100-644	2022.02.11	2025.02.10
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2022.02.11	2025.02.10
2600MHz Dipole	MVG	DIP2G600	SN 06/22 DIP2G600-646	2022.02.11	2025.02.10
3500MHz Dipole	MVG	DIP3G500	SN 06/22 DIP3G500-647	2022.02.11	2025.02.10
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2022.02.11	2025.02.10
E-Field Probe	MVG	EPGO364	SN 04/22 EPGO364	2024.02.07	2025.02.06
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2024.02.07	2025.02.06
Antenna	MVG	ANTA 73	SN 06/22 ANTA 73	N/A	N/A
Ellipsoid Phantom	MVG	ELLI 51	SN 06/22 ELLI 51	N/A	N/A
Phantom	MVG	SAM 148	SN 06/22 SAM148	N/A	N/A
Phone holder	MVG	MSH 117	SN 06/22 MSH 117	N/A	N/A
Laptop positioner	MVG	LSH 36	SN 06/22 LSH 38	N/A	N/A
Directional coupler	SHW	SHWDCP	202203280013	N/A	N/A
Network Analyzer	ZVL	R&S	116184-HC	2024.03.25	2025.03.24
Multi Meter	DMM6500	Keithley	4527252	2024.03.15	2025.03.14
Signal Generator	Keysight	N5182B	MY59100717	2024.03.09	2025.03.08
Wireless Communication Test Set	R&S	CMW500	137737	2024.03.09	2025.03.08
Power Sensor	R&S	Z11	116184	2024.02.23	2025.02.22
Electronic Temperature hygrometer	N/A	ST-W2318	N/A	2024.03.11	2025.03.10
Temperature hygrometer	N/A	TP101	N/A	2024.03.11	2025.03.10



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

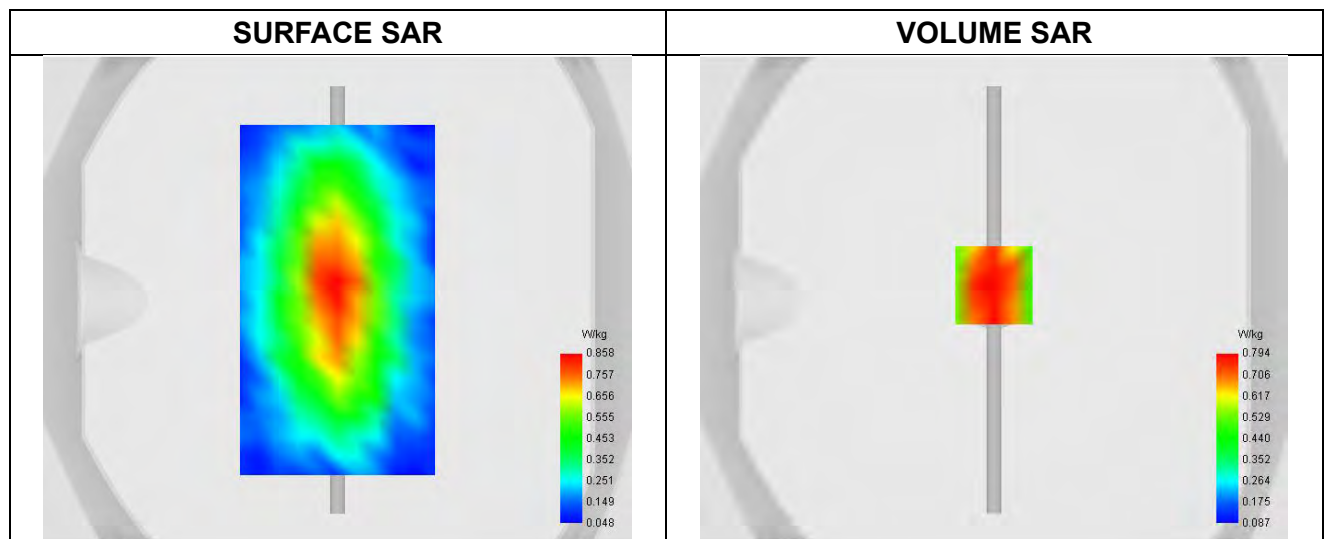
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2024-02-27

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.46
Conductivity (S/m)	0.88
Probe	SN 04/22 EPGO364
ConvF	1.68
Crest factor:	1:1

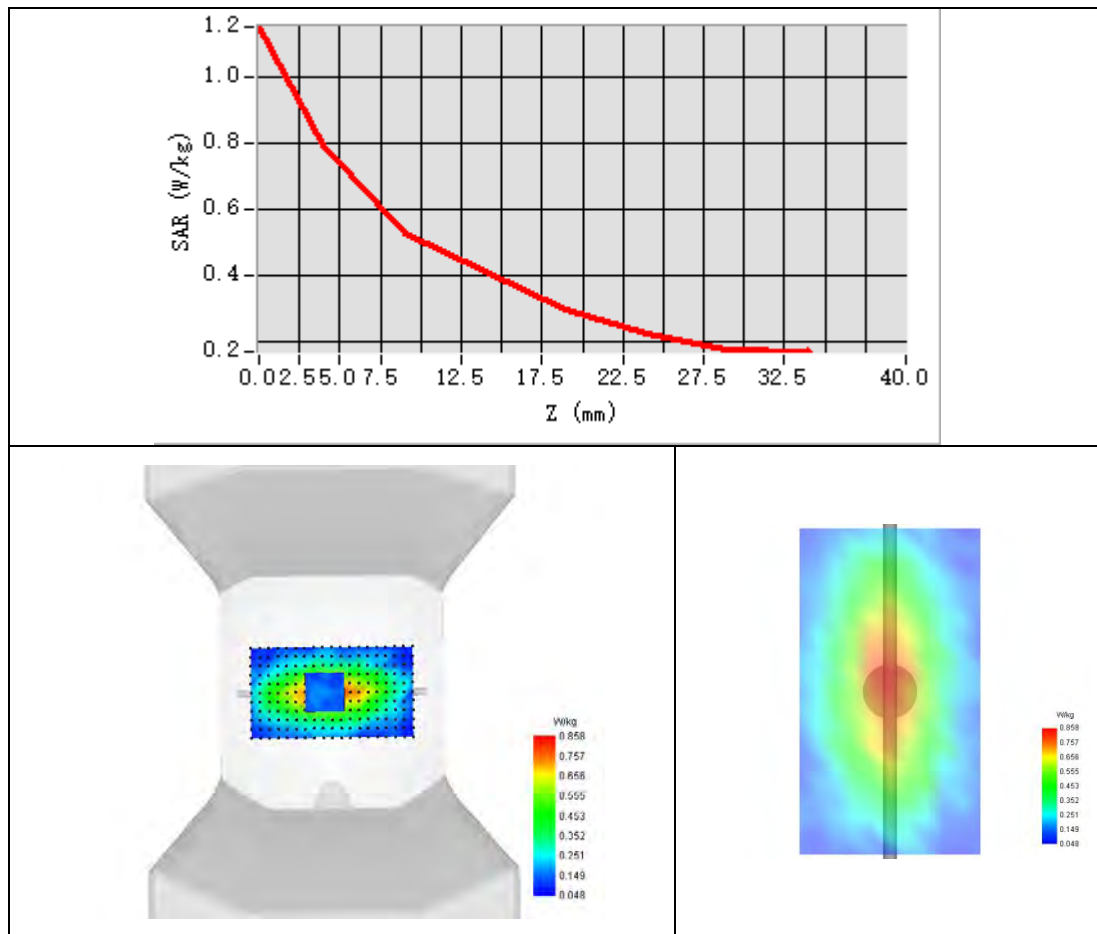


Maximum location: X=0.00, Y=6.00 ; SAR Peak: 1.14 W/kg

SAR 10g (W/Kg)	0.522
SAR 1g (W/Kg)	0.819



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

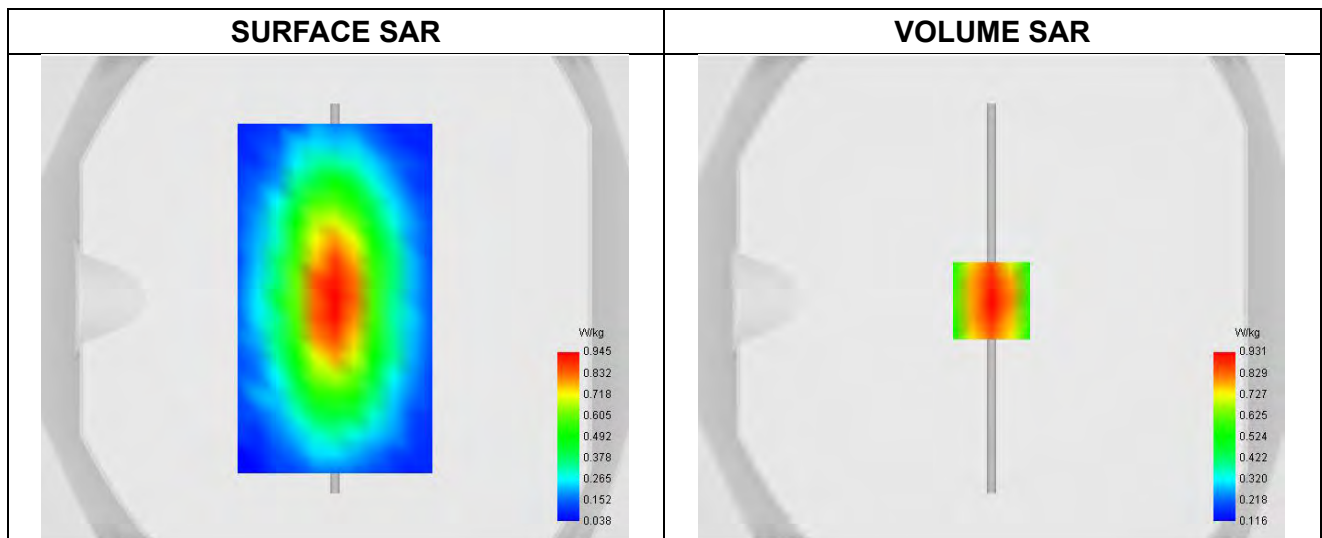
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2024-03-16

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.83
Conductivity (S/m)	0.92
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

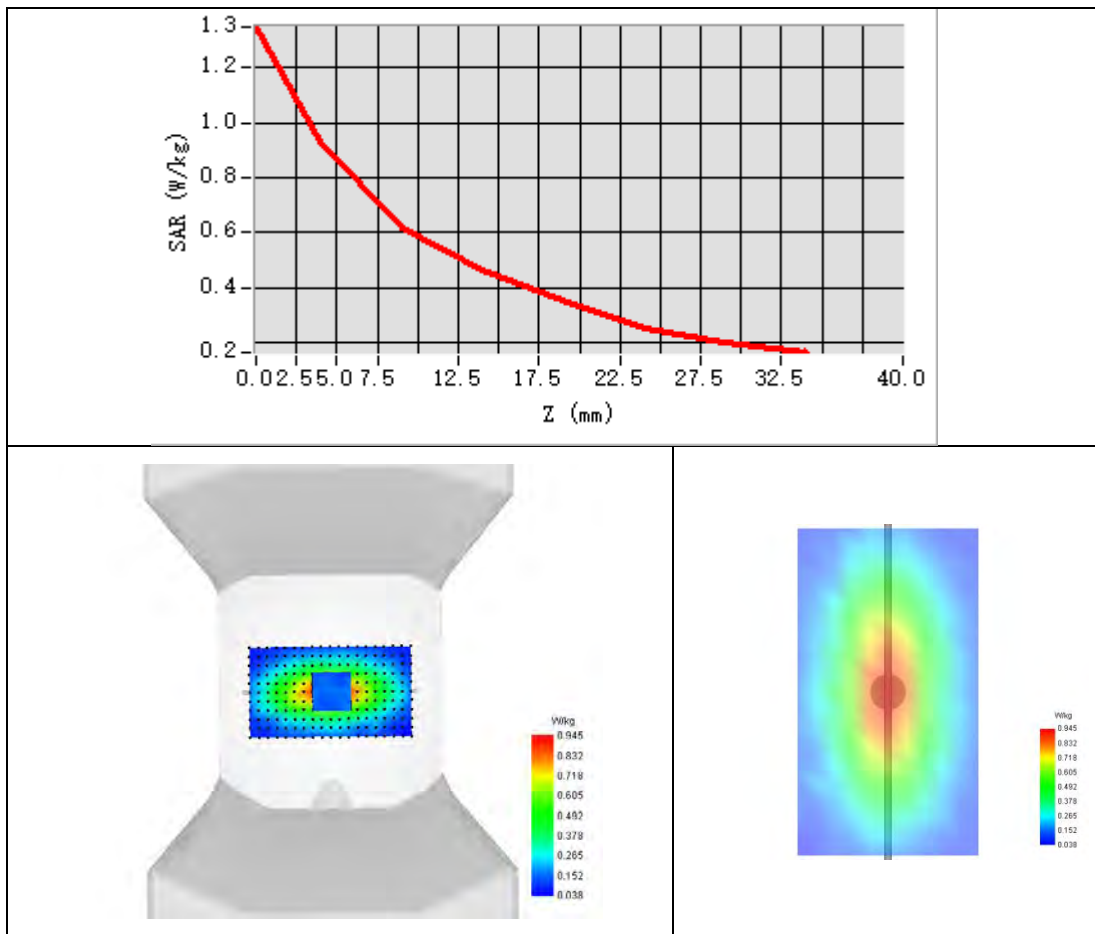


Maximum location: X=0.00, Y=-1.00 ; SAR Peak: 1.34 W/kg

SAR 10g (W/Kg)	0.589
SAR 1g (W/Kg)	0.902



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

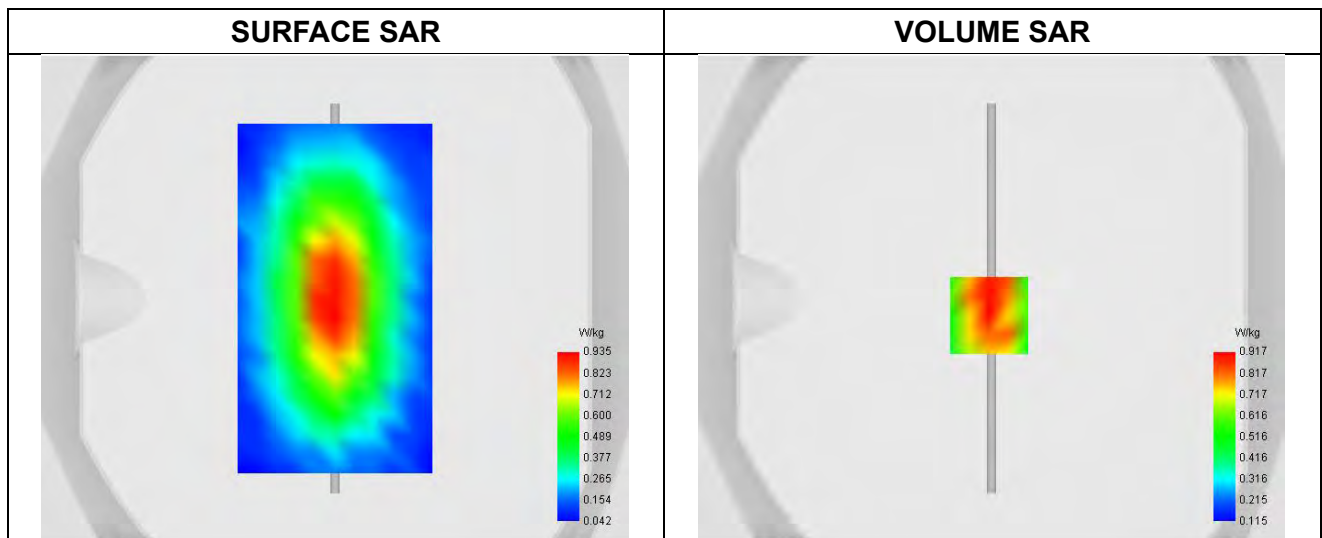
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2024-03-14

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.12
Conductivity (S/m)	0.93
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

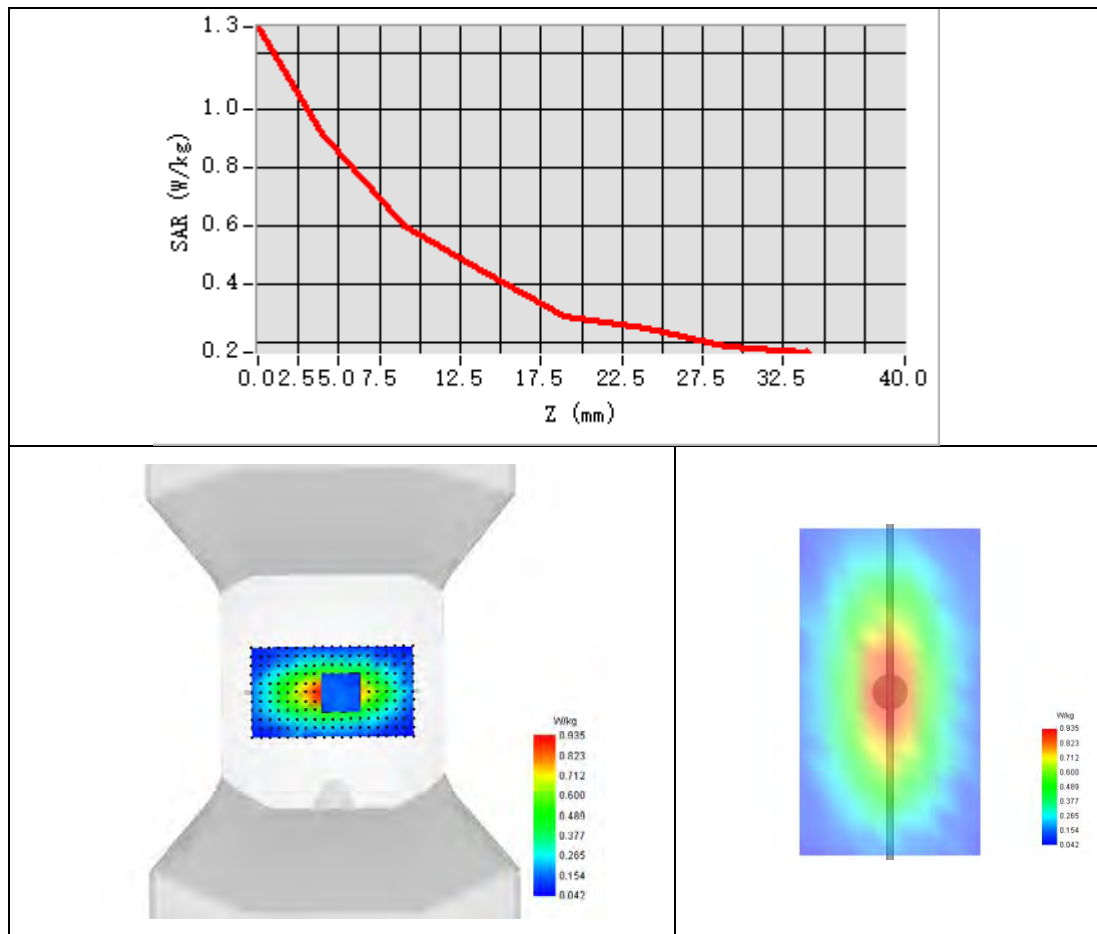


Maximum location: X=-1.00, Y=-7.00 ; SAR Peak: 1.30 W/kg

SAR 10g (W/Kg)	0.530
SAR 1g (W/Kg)	0.878



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

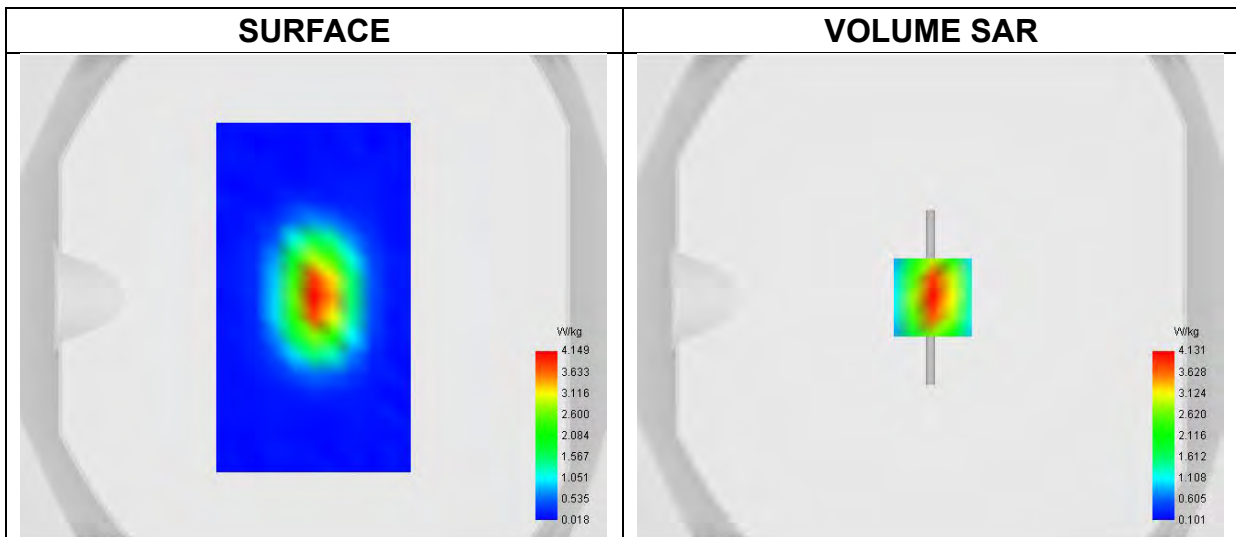
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2024-02-25

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.98
Conductivity (S/m)	1.38
Probe	SN 04/22 EPGO364
ConvF	1.91
Crest factor:	1:1

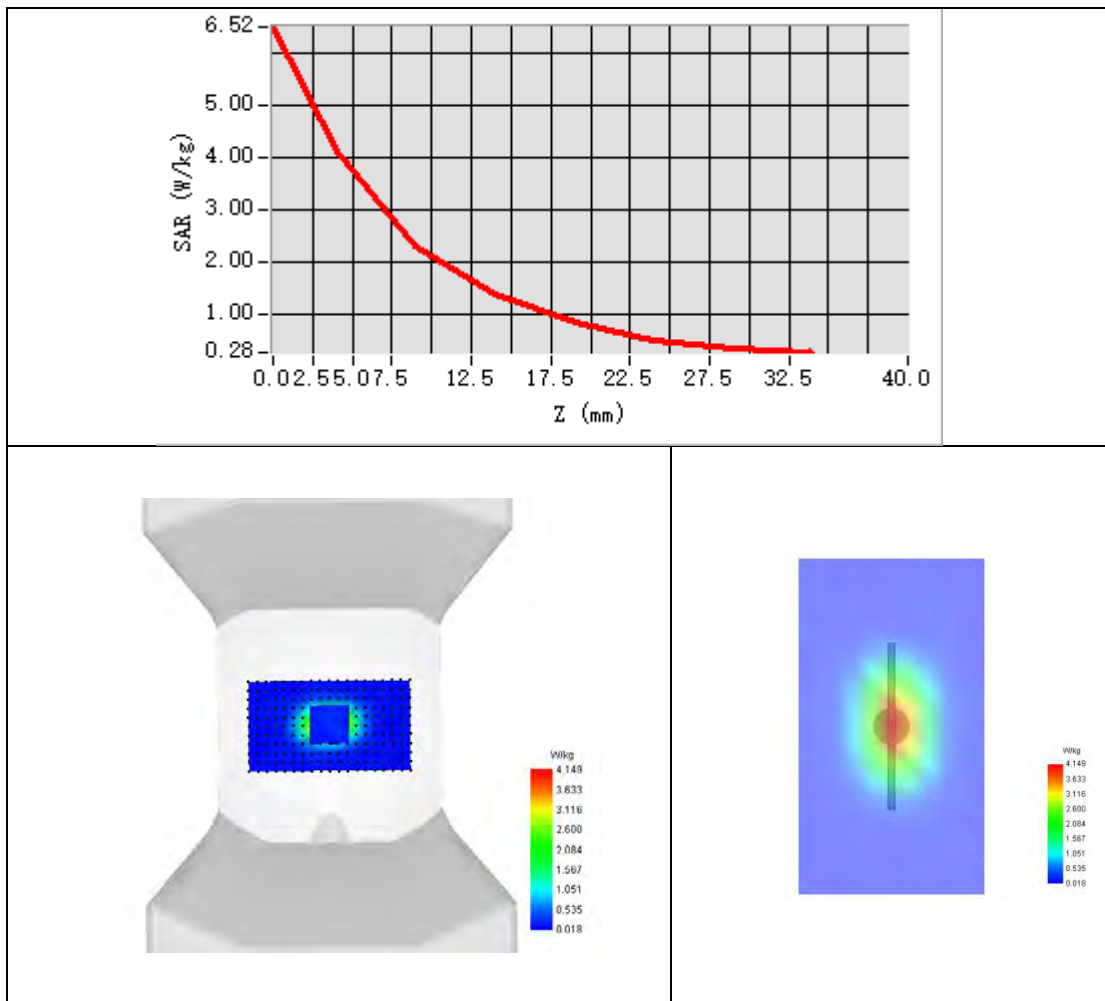


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.44 W/kg

SAR 10g (W/Kg)	2.027
SAR 1g (W/Kg)	3.862



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

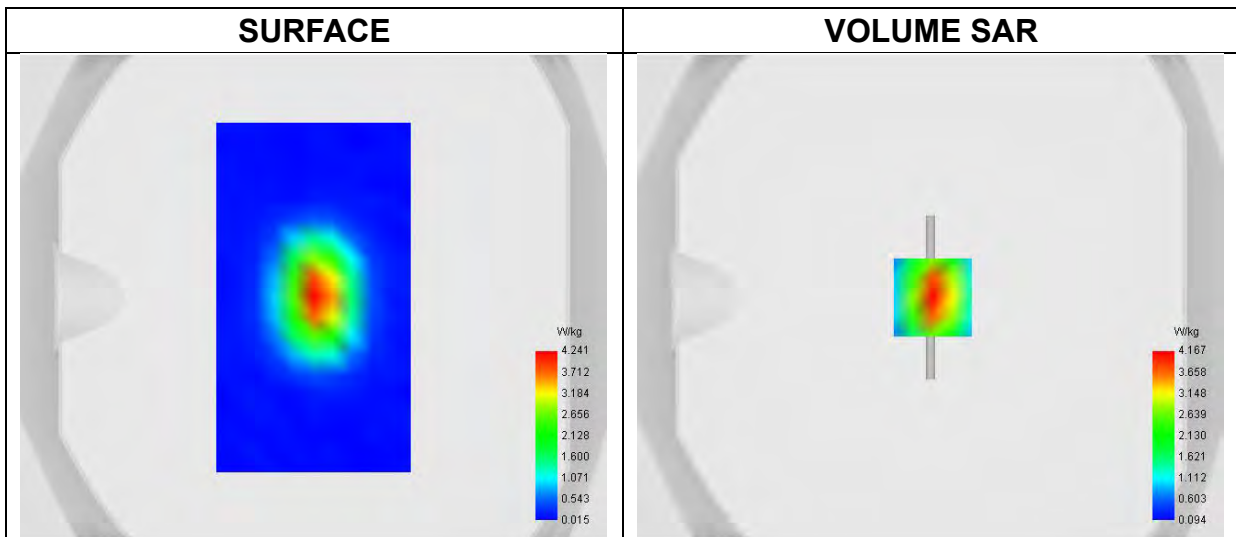
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2024-02-26

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	41.12
Conductivity (S/m)	1.41
Probe	SN 04/22 EPGO364
ConvF	2.24
Crest factor:	1:1

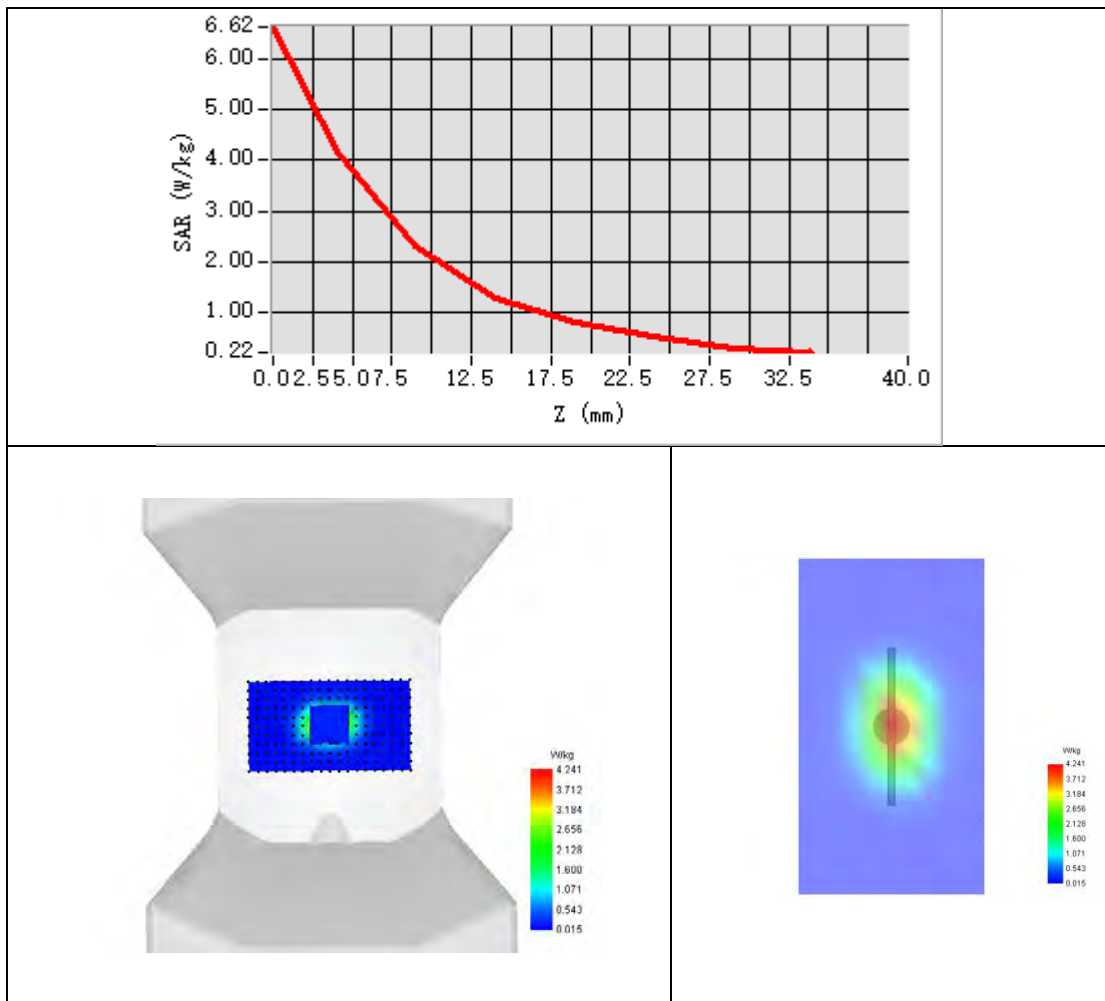


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.56 W/kg

SAR 10g (W/Kg)	1.987
SAR 1g (W/Kg)	3.876



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

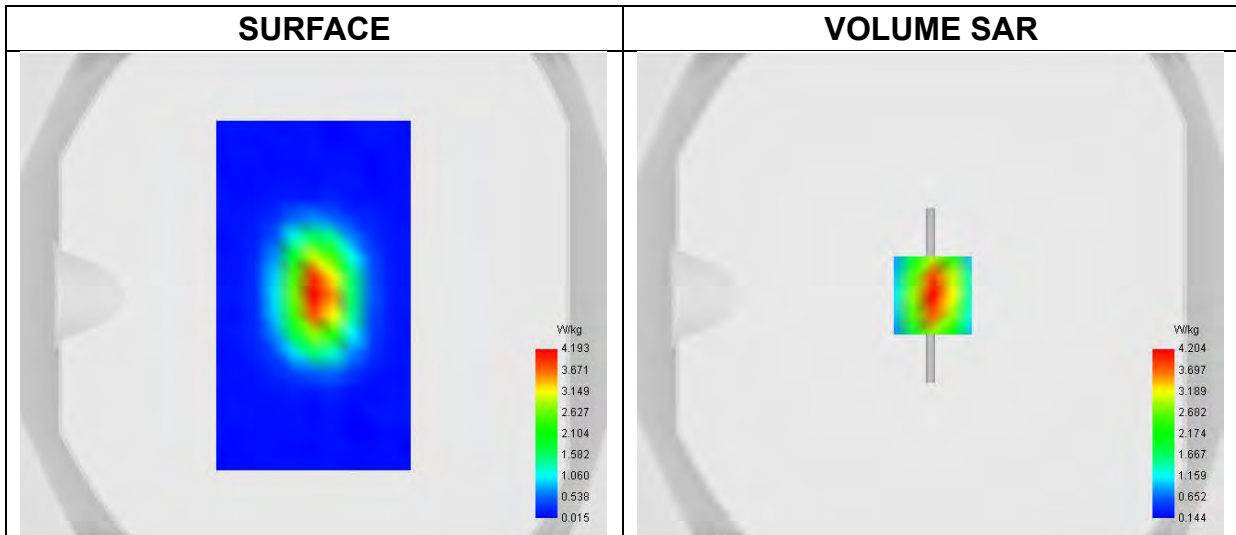
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2024-02-23

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.36
Conductivity (S/m)	1.38
Probe	SN 04/22 EPGO364
ConvF	2.24
Crest factor:	1:1

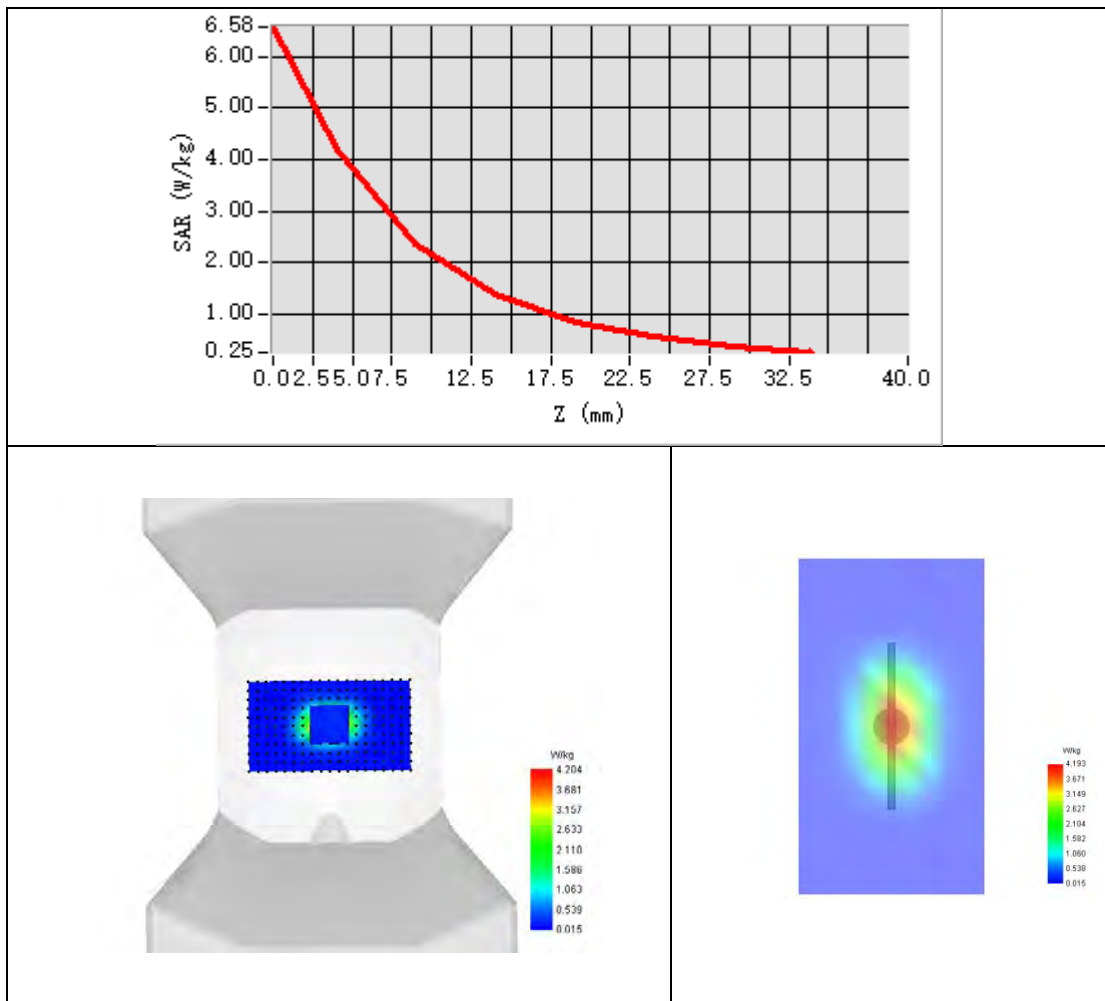


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.54 W/kg

SAR 10g (W/Kg)	2.062
SAR 1g (W/Kg)	3.922



Z Axis Scan





System Performance Check Data (2300MHz)

Type: Phone measurement (Complete)

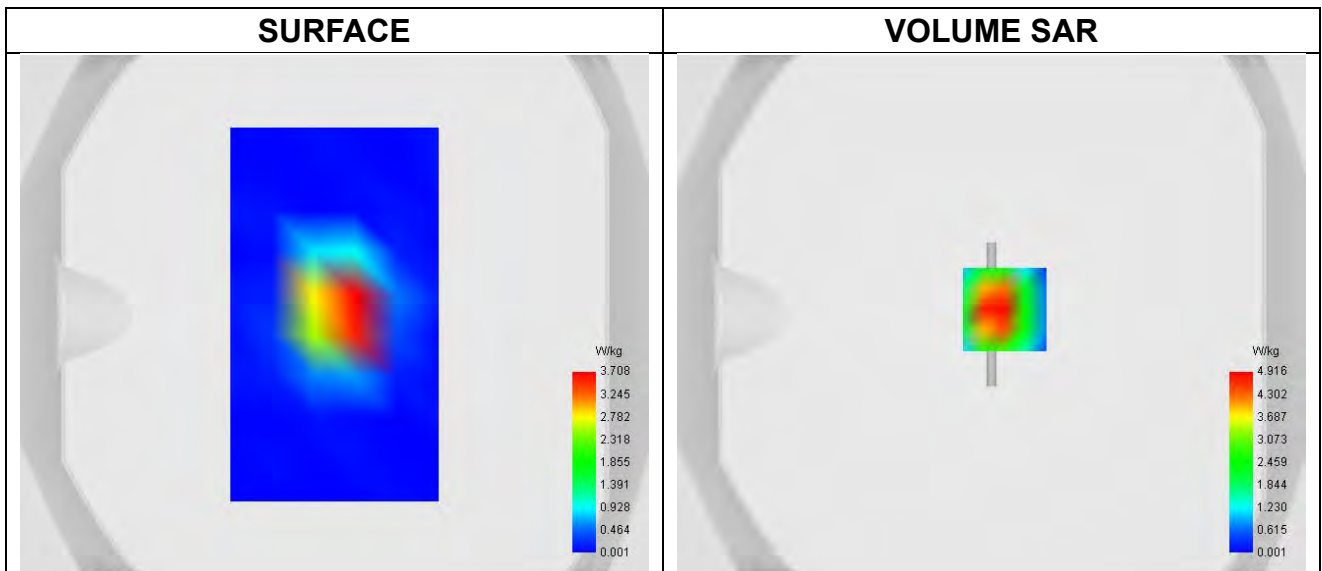
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2024-03-19

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Channels	Middle
Signal	CW
Frequency (MHz)	2300.000
Relative permittivity	40.45
Conductivity (S/m)	1.69
Probe	SN 04/22 EPGO364
ConvF	2.31
Crest factor:	1:1

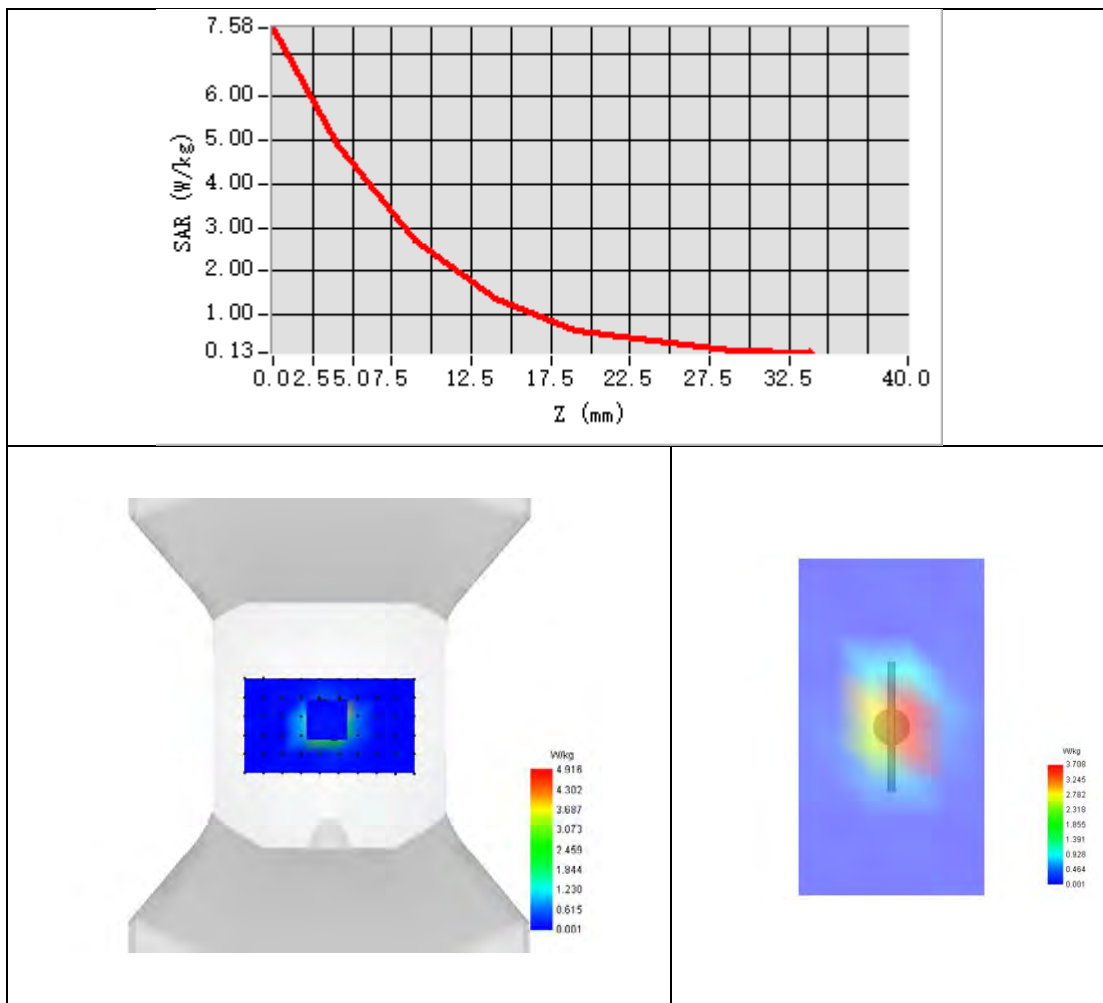


Maximum location: X=5.00, Y=2.00 ; SAR Peak: 8.58 W/kg

SAR 10g (W/Kg)	2.267
SAR 1g (W/Kg)	4.872



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

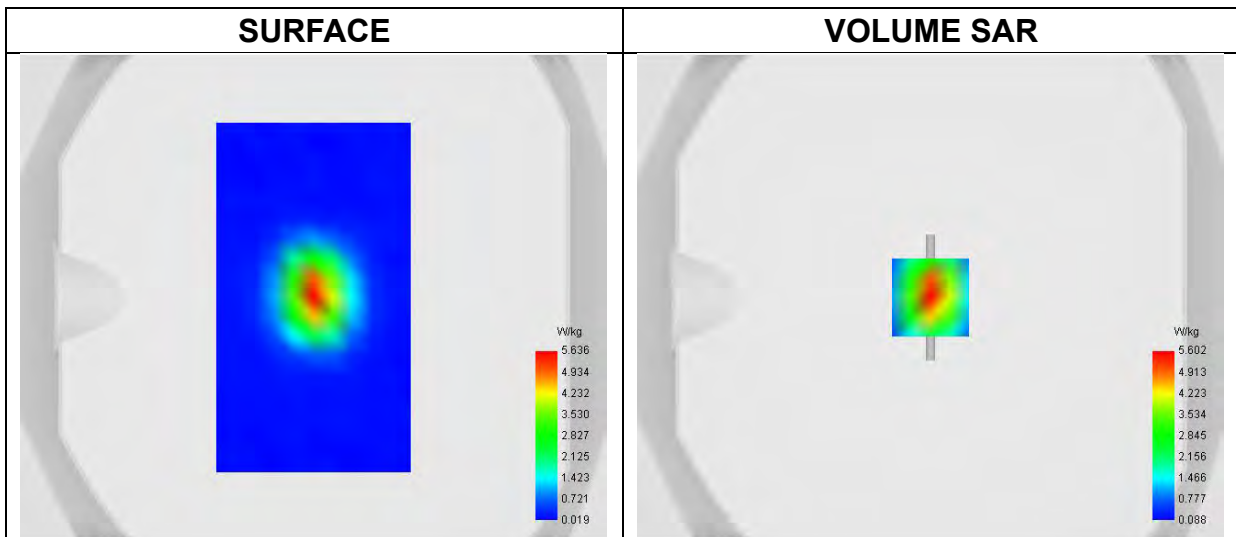
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2024-02-24

Experimental conditions.

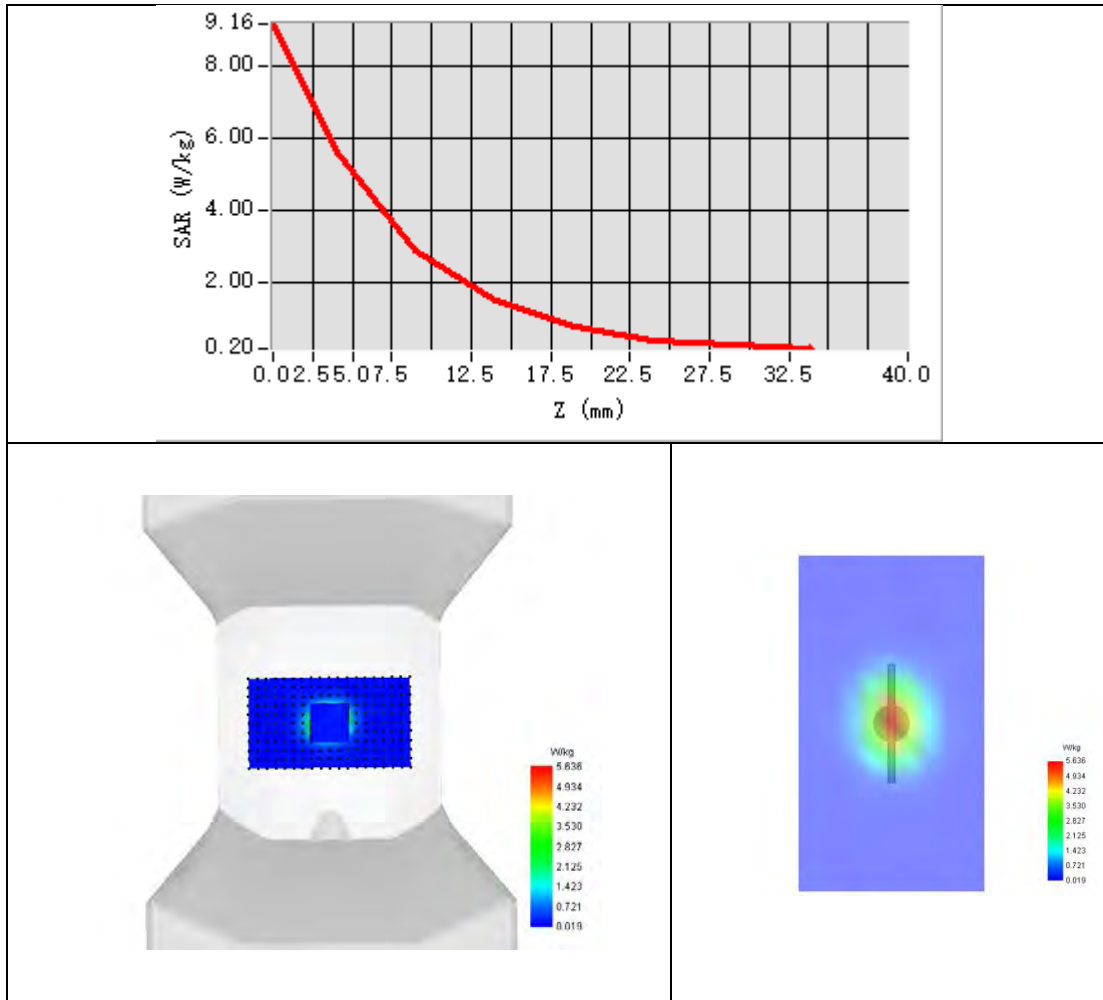
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.52
Conductivity (S/m)	1.82
Probe	SN 04/22 EPGO364
ConvF	2.30
Crest factor:	1:1



Maximum location: X=0.00, Y=0.00 ; SAR Peak: 9.25 W/kg

SAR 10g (W/Kg)	2.390
SAR 1g (W/Kg)	5.141

Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

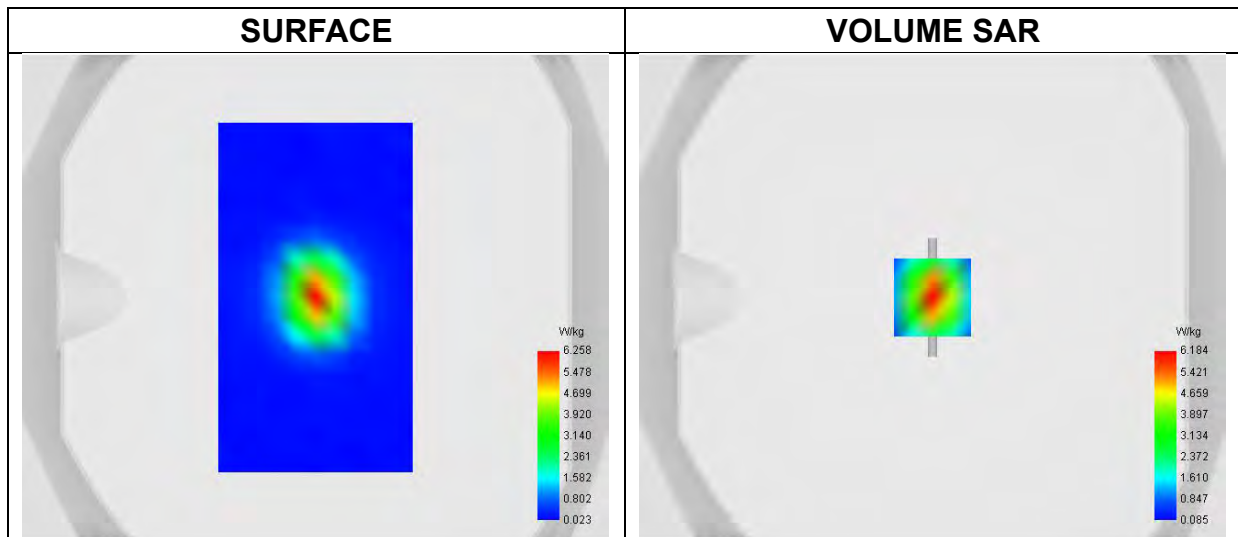
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2024-03-15

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.78
Conductivity (S/m)	1.93
Probe	SN 04/22 EPGO364
ConvF	2.35
Crest factor:	1:1



Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.27 W/kg

SAR 10g (W/Kg)	2.581
SAR 1g (W/Kg)	5.670

Z Axis Scan

